# NAWAB SHAH ALAM KHAN COLLEGE OF ENGINEERING AND TECHNOLOGY

Civil Engineering.

Part A : Institutional Information

1 *Name and Address of the Institution*

NAWAB SHAH ALAM KHAN COLLEGE OF

ENGINEERING AND TECHNOLOGY, 16-4-1/A NEW MALAKPET, HYDERABAD PIN:500024. TELANGANA STATE INDIA.

2 *Name and Address of Affiliating University*

OSMANIA UNIVERSITY HYDERABAD (From 2019-20 onwards) earlier JNTUH

3 *Year of establishment of the Institution:*

2008

4 *Type of the Institution:*

| | | | |
|---|---|---|---|
| | University | | Autonomous |
| | Deemed University | √ | Affiliated |
| | Government Aided | | |

**5 Ownership Status:**

**B. Contractual* Employees (Faculty and Staff):**

| | | | |
|---|---|---|---|
| | Central Government | | Trust |
| | State Government | √ | Society |
| | Government Aided | | Section 25 Company |
| √ | Self financing | | Any Other (Please Specify) |

7 *Details of all the programs being offered by the institution under consideration:*

| Name of Program | Program Applied level | Start of year | Year of AICTE approval | Initial Intake | Intake Increase | Current Intake | Accreditation status | From | To | Program for consideration | Program for Duration |
|---|---|---|---|---|---|---|---|---|---|---|---|
| BE/B.TECH | UG | 2008 | 2008 | 60 | No | 60 | Applying first time | -- | -- | Yes | 4 |
| | | | | | | | | | | | |
| ME/M.TECH | PG | 2012 | 2012 | 18 | No | 18 | Eligible but not applied | -- | -- | No | 2 |
| | | | | | | | | | | | |

8 **Programs to be considered for Accreditation vide this application:**

| S No | Level | Discipline | Program |
|---|---|---|---|
| 1 | Under Graduate | Engineering & Technology | Civil Engg. |
| 2 | Under Graduate | Engineering & Technology | Computer Science & Engg. |
| 3 | Under Graduate | Engineering & Technology | Information Technology |
| 4 | Under Graduate | Engineering & Technology | Mechanical Engg. |

9 *Total number of employees in the institution:*

A. **Regular* Employees (Faculty and Staff):**

| Items | 2021-22 | | 2020-21 | | 2019-20 | | 2018-19 | | 2017-18 | |
|---|---|---|---|---|---|---|---|---|---|---|
| | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX |
| Faculty in Engineering (Male) | 98 | 98 | 93 | 93 | 7 | 7 | 7 | 7 | 5 | 5 |
| Faculty in Engineering (Female) | 36 | 36 | 35 | 35 | 5 | 5 | 5 | 5 | 5 | 5 |
| Faculty in Maths, Science & Humanities (Male) | 24 | 24 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |

| Items | 2020-21 | | 2019-20 | | 2018-19 | | 2017-18 | |
|---|---|---|---|---|---|---|---|---|
| | MIN | MIN | MIN | MAX | MIN | MAX | MIN | MAX |
| Faculty in Engineering (Male) | - | | - | | - | | - | |
| Faculty in Engineering (Female) | - | | - | | - | | - | |
| Faculty in Maths, Science & | - | | - | | - | | - | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Faculty in Maths, Science & Humanities (FeMale) | 16 | 16 | 13 | 13 | 19 | 19 | 19 | 19 | 19 | 19 |
| Non-teaching staff (Male) | 11 | 11 | 25 | 25 | 23 | 23 | 23 | 23 | 23 | 23 |
| Non-teaching staff (FeMale) | 5 | 5 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |

**B. Contractual* Employees (Faculty and Staff):**

| | | | | |
|---|---|---|---|---|
| Humanities (Male) | - | - | - | - |
| Faculty in Maths, Science & Humanities (FeMale) | - | - | - | - |
| Non-teaching staff (Male) | - | - | - | - |
| Non-teaching staff (FeMale) | - | - | - | - |

*10 Total number of Engineering Students:*

| | | | |
|---|---|---|---|
| **Engineering and Technology- UG** | √ Shift1 | | Shift2 |
| **Engineering and Technology- PG** | √ Shift1 | | Shift2 |
| **Engineering and Technology- Polytechnic** | Shift1 | | Shift2 |
| **MBA** | Shift1 | | Shift2 |
| **MCA** | Shift1 | | Shift2 |

**Engineering and Technology- UG Shift-1**

| **Items** | **2021-22** | **2020-21** | **2019-20** | **2018-19** | **2017-18** |
|---|---|---|---|---|---|
| Total no. of Boys | 1510 | 1392 | 1342 | 1189 | 929 |
| Total no. of Girls | 140 | 134 | 110 | 92 | 66 |
| **Total** | **1650** | **1526** | **1452** | **1281** | **995** |

*Engineering and Technology- PG Shift-1*

| **Items** | **2021-22** | **2020-21** | **2019-20** | **2018-19** | **2017-18** |
|---|---|---|---|---|---|
| Total no. of Boys | 64 | 79 | 85 | 97 | 93 |
| Total no. of Girls | 24 | 32 | 34 | 26 | 20 |
| **Total** | 88 | 111 | **119** | **123** | **113** |

11 **Vision of the Institution:**

To impart quality technical education with strong ethics, producing technically sound engineers capable of serving the society and the nation in a responsible manner.

12 *Mission of the Institution:*

**M1:** To provide adequate knowledge encompassing strong technical concepts and soft skills thereby inculcating sound ethics.

**M2:** To provide a conducive environment to nurture creativity in teaching- learning process.

**M3:** To identify and provide facilities which create opportunities for deserving students of all communities to excel in their chosen fields.

**M4:** To strive and contribute to the needs of the society and the nation by applying advanced engineering and technical concepts.

13 *Contact Information of the Head of the Institution and NBA coordinator, if designated:*

| **Head of the Institution** | |
|---|---|
| **Name** | Dr. Syed Abdul Sattar |
| Designation | PROFESSOR OF CSE AND<br>PRINCIPAL |
| Mobile No. | 7032580275 |
| Email ID | nsakcet@gmail.com |

**NBA Coordinator, If Designated**

| | |
|---|---|
| Name | Dr. MOHAMMAD SANAULLAH QASEEM |
| Designation | PROFESSOR AND HOD CSE,<br>IQAC COORDINATOR, NBA COORDINATOR |
| Mobile No. | 9866879942 |
| Email ID | ms_qaseem@yahoo.com |

1 VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES (60) Total Marks 60.00

**1.1 State the Vision and Mission of the Department and Institute** (5) Total Marks 5.00 Institute Marks : 5.00

| | |
|---|---|
| Vision of the institute | To impart quality technical education with strong ethics, producing technically sound engineers capable of serving the society and the nation in a responsible manner. |
| Mission of the institute | **M1:** To provide adequate knowledge encompassing strong technical concepts and soft skills thereby inculcating sound ethics.<br>**M2:** To provide a conducive environment to nurture creativity in teaching- learning process.<br>**M3:** To identify and provide facilities which create opportunities for deserving students of all communities to excel in their chosen fields.<br>**M4:** To strive and contribute to the needs of the society and the nation by applying advanced engineering and technical concepts. |
| Vision of the Department | To develop technically strong Civil engineers having ethics and human values by providing quality education, enabling them to be competent in facing any challenges that may arise during their service in particular to the society and in general to the nation. |
| Mission of the Department | |

| Mission No. | Mission Statements |
|---|---|
| M1 | To provide conceptually strong technical knowledge relating to all fields of Civil engineering braced with professional ethics. |
| M2 | To adopt the latest developments in Civil engineering to provide conducive environment for better teaching learning process. |
| M3 | To provide adequate soft skills and make the students industry ready, to grab the opportunities in this field. |
| M4 | To encourage students to participate in various technical events at research institutes, institutes of higher learning so that they develop the capabilities to serve the nation effectively. |

### 1.2 State the Program Educational Objectives (PEOs) (5) Total Marks 5.00

Institute Marks : 5.00

| PEO No. | Program Educational Objectives Statements |
|---|---|
| PEO1 | Graduates will be capable of handling the Civil Engineering projects independently in their future assignments |
| PEO2 | Graduates will be able to apply technical skills in their chosen fields in an ethical manner. |
| PEO3 | Graduates will be able to implement their core concept to obtain solution for real time problems. |

### 1.3 Indicate where the Vision, Mission and PEOs are published and disseminated among stakeholders (10) Total Marks 10.00 Institute Marks : 10.00

The Department Vision, Mission and PEOs are displayed at the following locations College Website

**(http://www.nsakcet.ac.in**(http://www.nsakcet.ac.in)**)**

HOD Chamber Staff Rooms Course files Lab Manuals

All Department Laboratories All Department Notice Boards

Department Library

Corridors of the department

**The Vision and Mission are disseminated during the conduction of:**

Workshops Seminars Conferences

Faculty Development Programs Training Programs for Students

The following platforms are used to disseminate the Vision, Mission and PEOs of the department among stake holders in order to educate them and to get their support in reaching out the goals.

BOG Meetings – Management and BOG members

Induction Program / Orientation Program – Students and Parents Parent Teacher Meeting –

Parents

Campus Recruitment Drives – Employers, Industry Alumni Meet - Alumni

Symbolically through Brochures, Technical Magazines, etc., sent from college Faculty Meetings -

Student Awarenes Workshop - Students Parent Teacher Meeting – Parents

The Internal Stakeholders of the program are: Students Management BOG members Faculty Support staff

Parents

The External Stakeholders of the program are:

Alumni

Employer

Industry

Funding Agencies

**Extent of Awareness of vision, mission & PEOs among stake holders:**

**BOG Meetings – Management and BOG members –** BOG reviews the Vision, Mission statements of both Institute and Department and later PEOs of each program and reviews the progress in successive meetings

**Publishing at various places of the Department -** Faculty members, students and visitors will be aware of Vision, Mission and PEOs.

**Induction Program (Freshers)** - *Students and Parents*: The Head of the Department will introduce the principles, objectives and culture of both institute and department through Vision, Mission and PEOs.

**Parents and Teachers Meet** – The Head of the Department and the concerned faculty members will address the activities initiated in the institute/department to achieve the objectives. Future course of action will be discussed.

**Campus Recruitment Drives** – The Vision and Mission of the Institute & Department and PEOs are distributed among the employers.

**Alumni Meet –** During the Alumni meet, the opinions and suggestions from the alumni are collected and considered to improve the attainment.

**Workshops and FDPs** – The participants from other institutions get awareness on the Vision and Mission of the Institute & the Department and PEOs through oral presentation about the department.

**1.4 State the process for defining the Vision and Mission of the Department, and PEOs of the program** (25)

Total Marks 25.00 Institute Marks : 25.00

**Description of process involve in defining the Vision of the department**:

A bottom-up approach has been employed for the process of defining the Departmental Vision and Mission statement. The Departmental Vision and Mission statement has been developed in alignment with the Institute's Vision and Mission with the active participation of Department Head, teaching faculty members and staff along with the continuous feedback from various stakeholders. The following procedure is followed in formulating the Vision and Mission of the Department:

**Step 1:**

Vision and Mission of the Institution are taken as basis.

**Step 2:**

Views are taken from stakeholders of the Department such as students, alumni, faculty members, employers and parents.

**Step 3:**

The views about the Departmental Vision and Mission are formulated by the team of teaching faculty members of the Department and which are then shared among the external stake holders for feedback.

**Step 4:**

Department Advisory Committee (DAC) reviews and approves the Departmental Vision and Mission to check the consistency with the Vision and Mission of the Institute.

**Step 5 :**

The Departmental Vision and Mission statements are then published.

**Internal Stake holders**

**Management** regularly reviews the programme objectives and improves on them.

**Teaching faculty** members frequently contribute to the evaluation process.

**External Stakeholders.**

**Parents** assist the department in implementing several measures that enable their wards to grow into well equipped, professionally qualified and responsible electrical engineers and citizens.

**Alumni** regularly rate the objectives and assess their relevance to the changing global needs.

**Employers** assess the applicability of the objectives while evaluating graduates for specific employment requirements during CRTs.

With the active participation of Department Head, Internal Quality Assessment Committee (IQAC) members, teaching faculty members and staff along with the continuous feedback from stakeholders, the Vision and Mission statement of the department was developed in alignment with Vision and Mission of the Institute.

**Process defining Department Vision and Mission**

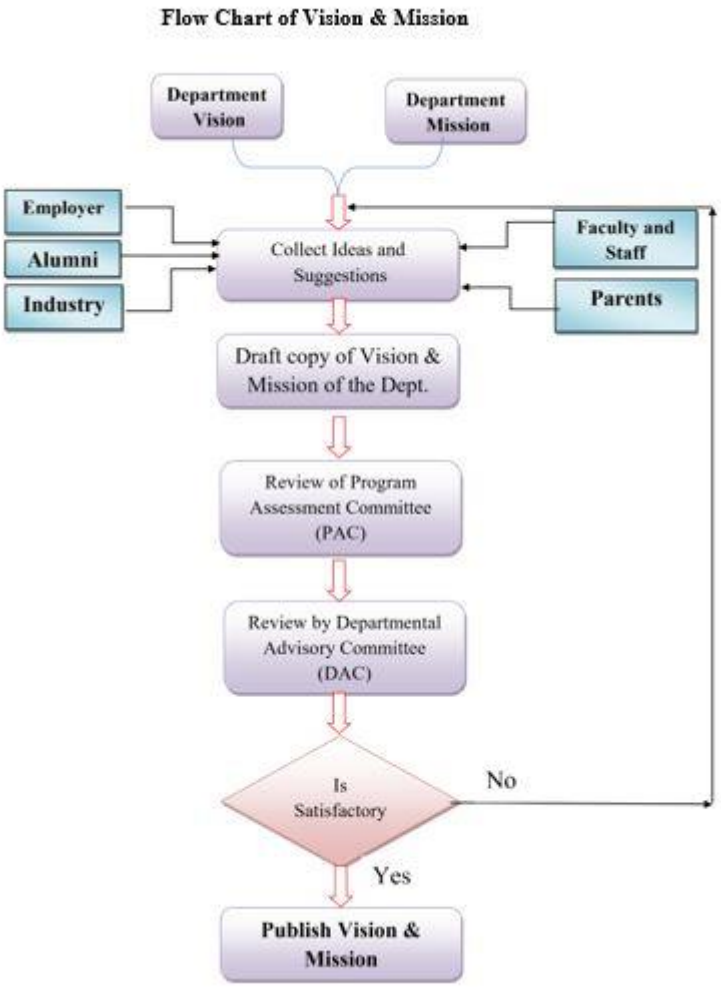



**Figure 1.4.1 Process defining Department Vision and Mission**

Description of process involved in defining the PEOs of the program

The Program Educational Objectives (PEOs) are established through a consultation process involving the stakeholders such as Students, Alumni, Teaching faculty,
Employers and Parents

The PEOs are formulated through the following steps.

**Step 1:** The Institute's Vision and Mission statements are taken as basis.

**Step 2:** The Departmental Vision and Mission of the Department are taken as a basis to interact with various stakeholders.

**Step 3:**. The program coordinator collects the survey results of various stakeholders

**Step 4:** On considering the views of the stakeholders, the PEOs are formulated by the

team of senior faculty members identified for the program.

**Step 5:** The PEOs are represented before the Department Advisory Committee for

additional inputs to improvise the program

**Step 6:** Finally the Department Advisory Committee approves the PEOs.

**Step 7:** PEOs of the Department are published.

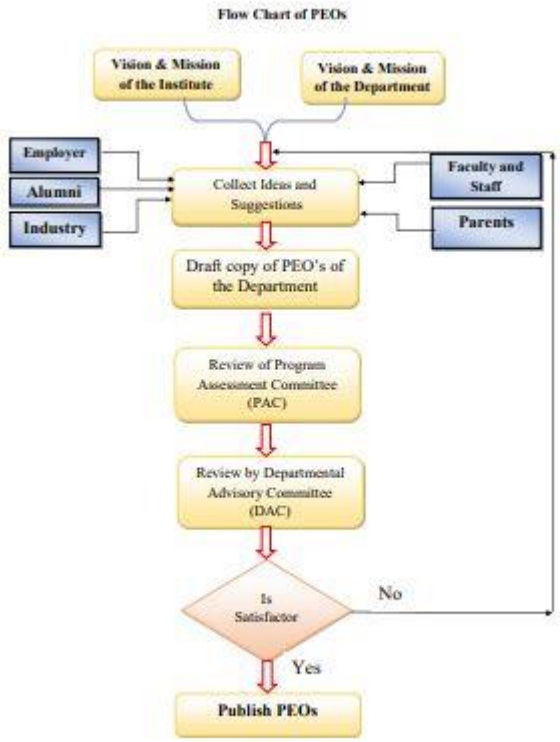



**Figure 1.4.2. Process for defining the PEOs of the Department**

**1.5 Establish consistency of PEOs with Mission of the Department** (15) Total Marks 15.00

Institute Marks : 15.00

**PEO-1: M1** Is moderately support by providing highest Quality Education in civil Engineering
**PEO-1: M2 PEO**1 Strongly supporting by developing the skills of the students so that they become excellent designers, planning engineer and site Engineer.
**PEO-1: M3** Is strongly supportive to PEO1 as they Developing the overall personality of the students in such a way that they become very good Team leaders. Team members and respectable citizens of the country.
**PEO-1: M4**Is strongly supportive to PEO1 as creating interest in the field of research and development.
**PEO-2:M1** strongly supports PEO2 as providing highest Quality Education in Civil engineering.
**PEO-2:M2** strongly supports PEO2 as developing the skills of the students so that become excellent designers, planning engineers and site engineers.
**PEO-2:M3** strongly supports PEO2 developing the overall personality of the students in such a way that they become very good team leaders. Team members and respectable citizens of the country.
**PEO-2:M4** strongly supports PEO2 for creating Interest in the field of research and development.
**PEO-3:M1 strongly** supports PEO1 to provide highest quality education in civil engineering
**PEO-3:M2** Is moderately supportive to PEO2 as Developing the skills of the students so that become excellent designers, planning engineers and site engineers.
**PEO-3:M3** Is strongly supportive to PEO3 as for developing the overall personality of the students in such a way that they become very good team leaders. Team members and respectable citizens of the country
**PEO-3:M4 strongly** supports PEO1to creating Interest in the field of research and development

| Number of Peo's | PEOs statement | M1 | M2 | M3 | M4 |
|---|---|---|---|---|---|
| PEO1 | Graduates will be capable of handling the civil engineering projects independently in their future assignments | 2 | 3 | 3 | 3 |
| PEO2 | Graduates will be able to apply technical skills in their chosen fields in an ethical manner of employment | 2 | 3 | 3 | 3 |
| PEO3 | Graduates will be able to implement their core concept to obtain solution for real time problems. | 2 | 2 | 3 | 3 |

2 PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES (120) Total Marks 120.00

**2.1Program Curriculum** (20) Total Marks

**2.1.1 State the process used to identify extent of compliance of the University curriculum for attaining the Program Outcomes and Program**

**Specific Outcomes as mentioned in Annexure I. Also mention the identified curricular gaps, if any** (10) Institute Mark

NAWAB SHAH ALAM KHAN COLLEGE OF ENGINEERING AND TECHNOLOGY is affiliated to Osmania University, Hyderabad from Academic Year 2019-2020 onwards and prior to that our institution was affiliated to Jawahar Lal technological University, Hyderabad. The curriculum is designed by affiliated university. The university curriculum has a composition of Basic Sciences, Humanities & social Sciences, Engineering Sciences, Professional core, Professional Electives, Open Electives, Project work Industrial training and Seminar.

Curriculum fulfillment is an organized analysis of the curriculum prescribed by the University to identify the degree of pr oficiency and content of the syllabi for the achievement of program Outcomes and program specific outcomes.

In this view, the Departmental Advisory Committee (DAC) is made. The Departmental Advisory Committee undertakes a study to determine whether the syllabi and its contents provide the opportunity to the students to gain appropriate knowledge, skills and attitude. This process helps to identify the gap between university curriculum and Program Outcomes. Relevant courses are collected based on its contents and grouped them as modules. Curriculum compliance is verified by organizing the information into a matrix (Course-PO matrix) which maps each one to the other. Mapping involves making collective judgments, by Departmental Advisory Committee, about the link between the Course Outcomes (COs) and the program outcomes (POs). The same process is extended to course-PSOs matrix. Curricular Gaps are also identified by mapping.

## A. Process used to identify extent of compliance of university curriculum for attaining POs & PSOs

### Process:

a. The mapping of COs to POs and PSOs which in turn computes the average POs and PSOs correlation for each course, is prepared by the faculty members and verified by the Program Assessment Committee.

b. Based on the suggestions provided by the faculty members and Program assessment committee on curricular gap of courses, the Departmental Advisory Committee evaluates the improvement in the attainment of POs and PSOs, considering PEOs, Vision and Mission statements.

c. The delivery plan is prepared for the course related curricular gap and seminars/workshops are planned by the department.

d. Average correlation of Program Outcome attainments Academic Years of each subject has been calculated carefully and presented in criterion 3. Based on the Program Outcome attainment values the curricular gaps are identified.

## B. Program Outcome:

### List of POs

| | |
|---|---|
| PO1 | **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems. |
| PO2 | **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences. |
| PO3 | **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations. |
| PO4 | **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions. |
| PO5 | **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations. |
| PO6 | **The Engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice. |
| PO7 | **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. |
| PO8 | **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice. |
| PO9 | **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings. |
| PO10 | **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions. |
| PO11 | **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments. |
| PO12 | **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change. |

## C. Program Specific Outcomes (PSO):

**PSO1:** To plan the building and perform analysis, design, estimation and execute all kinds of civil Engineering Projects.

**PSO2:** To adopt new innovative technology and use modern techniques, so as to execute the project within the stipulated time.

## Process used to identify the curricular Gaps:

Step 1: The faculty members will study the curriculum given by the University for the respective subject allotted to them.

Step 2: By analyzing the contents of the course, the faculty members prepare the four outcomes of the course.

Step 3: Course outcomes are mapped with program outcomes (POs) and Program Specific outcomes (PSOs)

Step 4: Program assessment committee collects the data from faculty members and approves the proposed mapping.

Step 5: The mapping of the course's verses PO/PSO is consolidated by the program assessment committee.

Step 6: By collecting information in the form of Alumni Survey, industrial experts survey, program assessment committee analyze the information along with the consolidated PO/PSO mapping and identifies the gap in the curriculum.

Step 7: The identified gaps are communicated to the department advisory committee for review.

Step 8: After review, the committee finalizes the curriculum gap.

The following flowcharts represent the process followed.

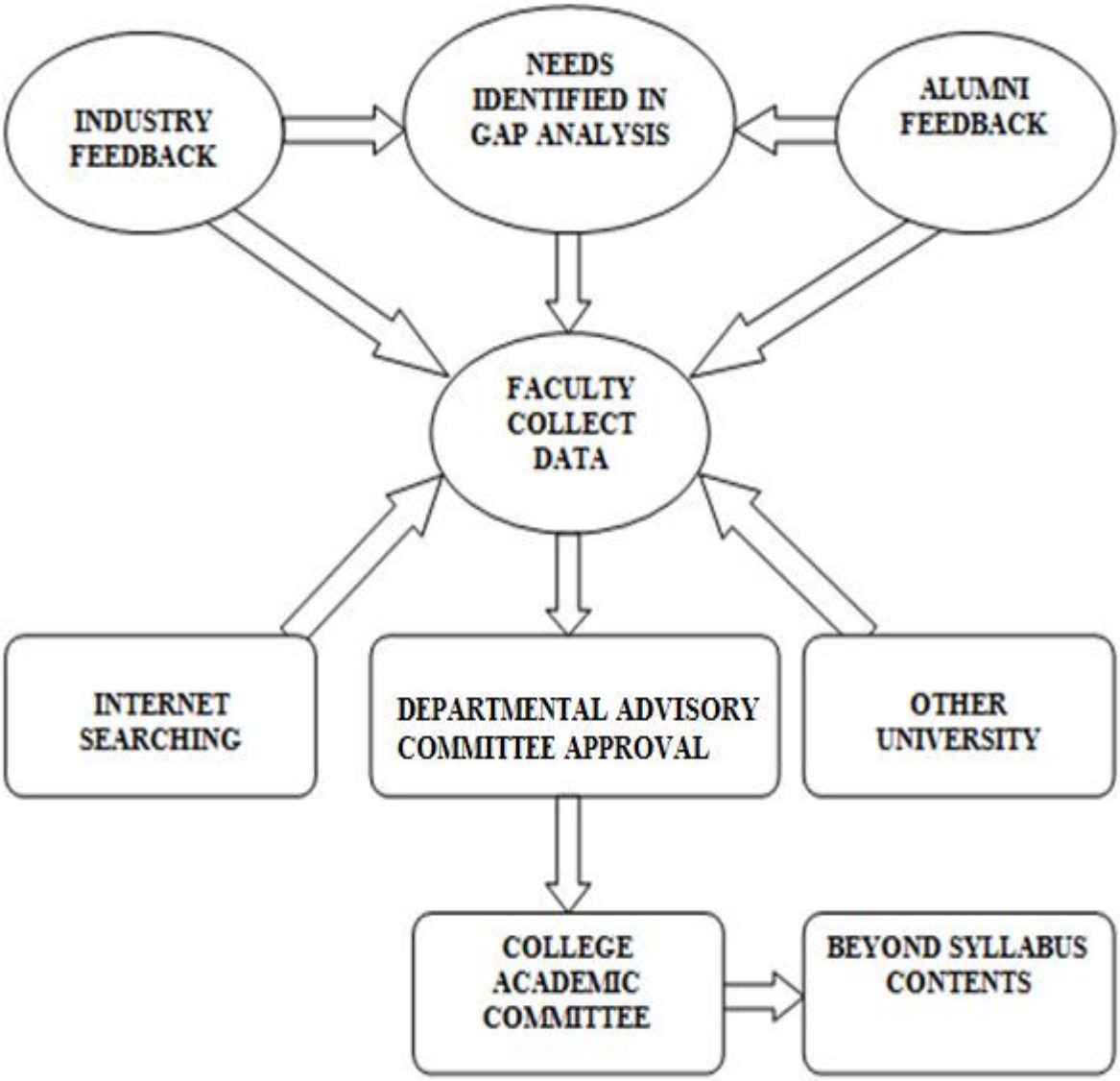



**Figure 2.1: Process used to identify the curricular Gaps**.

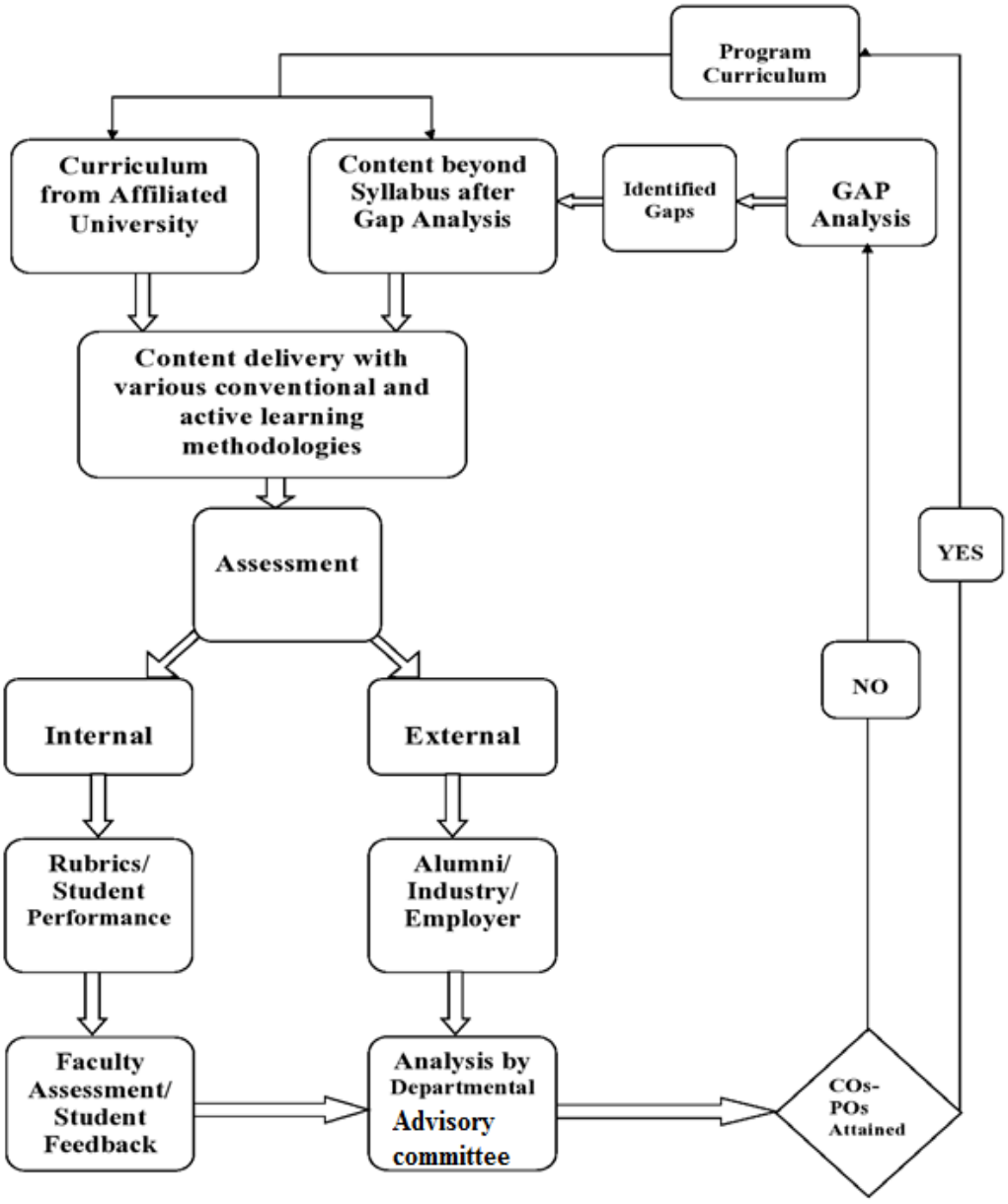



**Figure 2.2: Process of assessment of Gap Analysis**

**Some of the GAPS identified are as follows:**

**List of Curricular Gaps for 2020-2021 (CAY)**

| S. No | Course Name | Title Of the Topic |
|---|---|---|
| 1. | Computer aided drafting lab | Analysis and design of buildings using STAAD Pro software. |
| 2. | Elements of earthquake engineering | Basics Of Earthquake and Earthquake Resistant Design. |
| 3. | Design of steel structures | Pre-engineered buildings (PEB). |
| 4. | Career guidance | Career Guidance and Counselling |
| 5. | Career guidance | International careers |
| 6. | Career guidance | Let’s crack the GATE |

**List of Curricular Gaps for 2019-2020 (CAYm1)**

| S. No | Course Name | Title Of the Topic |
|---|---|---|
| 1. | Soil mechanics | Soil nailing |
| 2. | Rehabilitation and repair of structures | Failure of Concrete Structures |
| 3. | Computer aided drafting lab | Building information Modelling |
| 4. | Advance English communication skills lab | Soft skills development |
| 5. | Advance English communication skills lab | Higher Education Opportunities & Skills for the Future Jobs |

**List of Curricular Gaps for 2018-2019 (CAYm2)**

| S. No | Course Name | Title Of the Topic |
|---|---|---|
| 1. | Disaster management | Urban flood analysis |
| 2. | Design of steel structures | Design Of Steel towers |
| 3. | Computer aided drafting | Building information modelling & sustainability |
| 4. | Concrete technology | Quality control & non-destructive test applications |
| 5. | Concrete technology | Nano Structures of Concrete |
| 6. | Information technology & artificial intelligence | Potential of Artificial Intelligence |
| 7. | Career guidance | Career Guidance and Counselling |

**List of Curricular Gaps for 2017-2018 (CAYm3)**

| S. No | Course Name | Title Of the Topic |
|---|---|---|
| 1. | Water resource engineering | Innovative ways Of Water Conservation |
| 2. | Elements of earthquake engineering | Basics Of Earthquake and Earthquake Resistant Design |
| 3. | Computer aided drafting | Analysis and Design of Building Structures |
| 4. | Ground improvement techniques | Intensification of black cotton soil |
| 5. | Reinforced concrete structures design and drawing | Design of water tank |
| 6. | Repair and rehabilitation of structures | Repair Rehab and Retrofitting of Structures by using Fenugreek Powder |

**2.1.2 State the delivery details of the content beyond the syllabus for the attainment of POs and PSOs** (10)

## Delivery Details of Content Beyond Syllabus

The following are the means and methods used to achieve the extent of fulfilment of the University curriculum & content beyond syllabus for attaining the Program Outcomes, Program Specific Outcome.

- **Lecturing**
- **Seminar**
- **Guest lectures**
- **Workshops**
- **Industrial Visits and internships**

Delivery Details of Content beyond syllabus 2020-2021(CAY)

| S.NO | Gap(title of the Topic) | Action Taken | Date-Month-Year | Resource Person with Designation | % of Students | Relevance to PO's, PSO's |
|---|---|---|---|---|---|---|
| 1 | Basics Of Earthquake and Earthquake Resistant Design. | **Lecture** | 05-02-2021 | **Prof. Syed Farrukh Anwar** VP(Ad),Professor,CEDNSAKCET | 86 | PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO12, |
| 2 | Pre-engineered buildings (PEB). | **Lecture** | 08-02-2021 | **Prof. Syed Farrukh Anwar** VP(Ad),Professor,CEDNSAKCET | 88 | PO1,PO2,PO3, PO4,PO5,PO7, PO8, PO9,PO12, PSO1,PSO2 |
| 3 | Analysis and design of buildings using STAAD Pro software. | **Seminar** | 30-07-2021 | **Mr. Imtiyaz Qureshi** Assistant Professor , CED, NSAKCET | 90 | PO1,PO2,PO3, PO4,PO5,PO7, PO8, PO9,PO11,PO12, PSO1,PSO2 |
| 4 | Career Guidance and Counselling | **Seminar** | 14-08-2021 | **Mr. Mohd Ismail** Associate Professor , CED, NSAKCET | 86 | PO9,PO10,PO11, PO12 |
| 5 | International careers | **Seminar** | 14-08-2021 | **Mr. Mohd Yousuf** Assistant Professor , CED, NSAKCET | 84 | PO9,PO10,PO11, PO12 |
| 6 | Let's crack the GATE | **Seminar** | 14-08-2021 | **Dr. Mohd Ishaq** Professor,CED, NSAKCET | 87 | PO9,PO10,PO11, PO12 |

Delivery Details of Content beyond syllabus for 2019-2020 (CAYm1)

| S.NO | Gap(title of the Topic) | Action Taken | Date-Month-Year | Resource Person with Designation | % of Students | Relevance to PO's, PSO's |
|---|---|---|---|---|---|---|
| 1. | Industrial Visit to Multiple Arch Dam | **Industrial visit** | 27-7-2019 | **Multiple Arch Dam**, Mir Alam Tank, Hyderabad | 85 | PO1, PO2, PO3, PO4, PO6, PO7, PO8, PO10, PO11, PO12 PSO1, PSO2 |
| 2. | Industrial Visit to Sewage Treatment Plant | **Industrial visit** | 27-7-2019 | **GHMC**, Hyderabad | 80 | PO1, PO2, PO3, PO4, PO6, PO7, PO8, PO10, PO11, PO12 PSO1, PSO2 |
| 3. | Soft Skills Development | **Lecture** | 24-07-2019 | **Dr. Mohd Mohiuddin Hussain**, Professor, H& BS, NSAKCET | 85% | PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11, PO12 |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | | | PSO1,PSO2 |
| 4. | Industrial Visit to Gandipet reservoir | **Industrial visit** | 03-08-2019 | **HMWSSB**, Hyderabad | 86 | PO1, PO2, PO3, PO4, PO6, PO7, PO8, PO10, PO11, PO12 PSO1, PSO2 |
| 5. | Repair Rehab & Retrofitting (Makkah Masjid) | **Industrial visit** | 22-08-2019 | **Superintendent**, Makkah Masjid, Hyderabad | 90 | PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO10, PO11, PO12 PSO1, PSO2 |
| 6. | Land Management and Conversation of Water | **Industrial Visit** | 21-09-2019 | **Director Generel**, WALAMTARI, Himayat Sagar, Hyderabad | 92 | PO1, PO2, PO3, PO4, PO6, PO7, PO8, PO10, PO11, PO12 PSO1, PSO2 |
| 7. | Industrial Visit to TSERL | **Industrial visit** | 21-09-2019 | **TSERL**, Hyderabad | 85 | PO1, PO2, PO3, PO4, PO6, PO7, PO8, PO10, PO11, PO12 PSO1, PSO2 |
| 8. | Industrial Visit to Nagarjuna sagar | **Industrial visit** | 05-11-2019 | **TSGENCO**, Hyderabad | 80 | PO1, PO2, PO3, PO4, PO6, PO7, PO8, PO10, PO11, PO12 PSO1, PSO2 |
| 9. | Soil Nailing | **Lecture** | 30-04-2020 | **Mr, Md Ameer Khusro**, Assistant Professor, CED, NSAKCET | 80% | PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11, PO12 PSO1,PSO2 |
| 10. | TechnoVision - 2020 | **Industrial Fest** | 04-02-2020 | **NSAKCET Campus** | 100 | PO1, PO2, PO4, PO5, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12 PSO1, PSO2 |
| 11. | Building Information Modelling | **Guest Lecture** | 14-02-2020 | **Dr. Mazharuddin Syed Ahmed**, Technology Evangelist Ara Institute Of Canterbury, New Zealand | 80% | PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11, PO12 PSO1,PSO2 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 12. | Higher Education Opportunities & Skills for the future jobs | **Lecture** | 14-02-2020 | **Dr. Mazharuddin Syed Ahmed**, Technology Evangelist Ara Institute Of Canterbury, New Zealand | 82% | PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11, PO12 PSO1,PSO2 |
| 13. | Failures of Concrete Structures. | **Webinar** | 26-06-2020 | **Dr. N.V. Ramana Rao** Director, NIT Warangal | 82% | PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO12 PSO1,PSO2 |

-

Delivery Details of Content beyond syllabus for 2018-2019 (CAYm2)

*Institute Marks : 10.00*

| S.NO | Gap(title of the Topic) | Action Taken | Date-Month-Year | Resource Person with Designation | % of Students | Relevance to PO's, PSO's |
|---|---|---|---|---|---|---|
| 1 | Urban flood Analysis | **Workshop** | 10-09-2018 | **Dr.K.M. Lakhmana Rao** Professor, JNTUH | 96 | PO1,PO2,PO3, PO5,PO6,PO8, PO11,PO12, PSO1,PSO2 |
| 2 | Design of Steel Towers | **Workshop** | 11-09-2018 | **Mr. S. Sunhash Babu** Joint Chief Engineer BSNL | 96 | PO1,PO2,PO3, PO4,PO5,PO6, PO9,PO12,PSO1 ,PSO2 |
| 3 | Building Information Modelling & Sustainability | **Workshop** | 11-09-2018 | **Dr. Syed Mazharuddin** Technology Evangelist | 96 | PO1,PO2,PO3,P O4,PO5,PO6,PO 9,PO12,PSO1,PS O2 |
| 4 | Potential of Artificial Intelligence | **Workshop** | 11-09-2018 | **Dr. R. Ramesh Reddy**, Professor , CED, NSAKCET | 96 | PO1,PO2,PO3,P O4,PO5,PO6,PO 9,PO12,PSO1,PS O2 |
| 5 | Career Guidance and councelling | **Workshop** | 11-09-2018 | **Mr. Md. Ismail**, Associate Professor, CED, NSAKCET | 96 | PO1,PO2,PO3,P O4,PO5,PO6,PO 7,PO8,PO9, PO10,PO11, PO12 PSO1,PSO2 |
| 6 | Nano structure of concrete | **Lecture** | 19-03-2019 | **Mr. Mohd Zaker** Assistant Professor, CED, NSAKCET | 90 | PO1,PO2,PO3,P O,PO5,PO,PO11 0,PO11,PSO1,PS O2 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 7 | Quality Control & NDT Applications | **Guest Lecture** | 18-04-2019 | **Dr. V. Bhikshma** Professor, Osmania University | 92 | PO1,PO2,PO3,PO4,PO5,PO6,PO9,PO11,PSO2 |

Delivery Details of Content beyond syllabus for 2017-2018 (CAYm3)

| S.NO | Gap(title of the Topic) | Action Taken | Date-Month-Year | Resource Person with Designation | % of Students | Relevance to PO's, PSO's |
|---|---|---|---|---|---|---|
| 1. | Innovative Water Conservation Practice | **Guest Lecture** | 21-09-2017 | **Dr.G.K Viswanadh** Professor , JNTUH | 89 | PO1,PO2,PO3,PO6,PO7,PO8,PO9,PO10,PO11,PO12,PSO1,PSO2 |
| 2 | Design Of water Tank | **Lecture** | 06-10-2017 | **Md.Mubasheer Shahzeb** Assistant Professor,CED, NSAKCET | 82 | PO1,PO2,PO3,PO4,PO5,PO9,PO10,PO11,PSO1,PSO,2 |
| 3 | Intensification of Black Cotton Soil Proerties | **Lecture** | 16-10-2017 | **Mr. Syed Amjad** Assistant Professor, CED, NSAKCET | 87 | PO1,PO2,PO3,PO4,PO5,,PO9,PO10,PO11,PSO1,PSO,2 |
| 4 | Analysis & Design of Building Using Staad Pro Software | **Seminar** | 02-04-2018 | **Md.Imtiyaz qureshi** Assistant Professor, CED, NSAKCET | 85 | PO1,PO2,PO3,PO4,PO5,PO6,PO9,PO10,PO11,PSO1,PSO2 |
| 5 | Introduction to Engineering Seismology | **Lecture** | 06-03-2018 | **Dr. A.K Asthana** Professor, CED,NSAKCET | 87 | PO1,PO4,PO5,PO7,PO8,PO9,PO12,PSO1. |
| 6 | Tech Fest 2K18 | **Technical fest** | 28-02-2018 | **NSAKCET Campus** | - | PO1, PO2, PO4, PO5, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12 PSO1, PSO2 |
| 7 | Repair and Rehabilitation of structures | **Lecture** | 24-03-2018 | **Dr. R. Ramesh Reddy**, Professor , CED, NSAKCET | 90 | PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO12 PSO1,PSO2 |

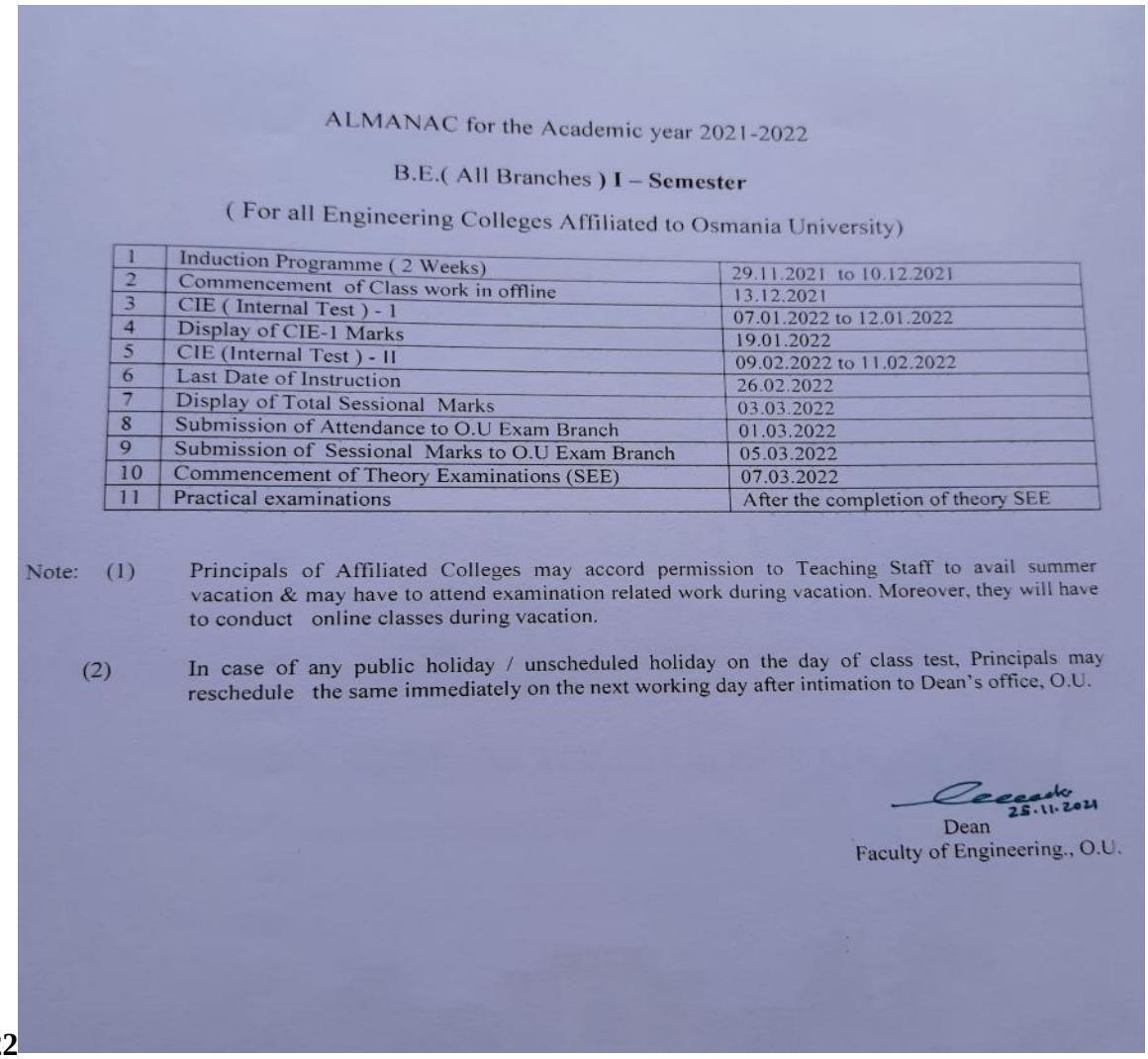
Total Marks 100.00

**2.2.3 Quality of student projects** (25) Institute Marks : 25.00

## 2.2.1 Describe processes followed to improve quality of teaching and learning.

To improve the quality policy in the Department, faculty strictly adheres to the University, Institutional and Department Calendars.

1. **University Calendar:** University academic calendar has been provided by the JNTUH and OU Hyderabad every year. For every academic year, JNTUH AND OU Universities circulates the academic calendars for both odd and even semesters before the commencement of the class work. \



ALMANAC for the Academic year 2021-2022

B.E.( All Branches ) **I – Semester**

( For all Engineering Colleges Affiliated to Osmania University)

| | | |
|---|---|---|
| 1 | Induction Programme ( 2 Weeks) | 29.11.2021 to 10.12.2021 |
| 2 | Commencement of Class work in offline | 13.12.2021 |
| 3 | CIE ( Internal Test ) - 1 | 07.01.2022 to 12.01.2022 |
| 4 | Display of CIE-1 Marks | 19.01.2022 |
| 5 | CIE (Internal Test ) - II | 09.02.2022 to 11.02.2022 |
| 6 | Last Date of Instruction | 26.02.2022 |
| 7 | Display of Total Sessional Marks | 03.03.2022 |
| 8 | Submission of Attendance to O.U Exam Branch | 01.03.2022 |
| 9 | Submission of Sessional Marks to O.U Exam Branch | 05.03.2022 |
| 10 | Commencement of Theory Examinations (SEE) | 07.03.2022 |
| 11 | Practical examinations | After the completion of theory SEE |

Note: (1) Principals of Affiliated Colleges may accord permission to Teaching Staff to avail summer vacation & may have to attend examination related work during vacation. Moreover, they will have to conduct online classes during vacation.

(2) In case of any public holiday / unscheduled holiday on the day of class test, Principals may reschedule the same immediately on the next working day after intimation to Dean's office, O.U.

25.11.2021

Dean

Faculty of Engineering., O.U.

**2021-2022**

The sample of the OU academic calendar for the year (2021 – 2022 ) SEM-I

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**Academic Calendar 2021-22**

**B. TECH./B.PHARM. III & IV YEARS I & II SEMESTERS**

**I SEM**

| S. No | Description | Duration | |
|---|---|---|---|
| | | From | To |
| 1 | Commencement of I Semester classwork | **06.092021** | |
| 2 | 1st Spell of Instructions (including Dussehra Recess) | 06.09.2021 | 06.11.2021 (9 Weeks) |
| 3 | Dusschra Recess | 11.10.2021 | 16.10.2021 (1 Week) |
| 4 | First Mid Term Examinations | 08.11.2021 | 13.11.2021 (1 Week) |
| 5 | Submission of First Mid Term Exam Marks to the University on or before | 20.11.2021 | |
| 6 | 2nd Spell of Instructions | 15.11.2021 | 08.01.2022 (8 Weeks) |
| 7 | Second Mid Term Examinations | 10.01.2022 | 18.01.2022 (1 Week) |
| 8 | Preparation Holidays and Practical Examinations | 19.01.2022 | 25.01.2022 (1 Week) |
| 9 | Submission of Second Mid Term Exam Marks to the University on or before | 25.01.2022 | |
| 10 | End Semester Examinations | 27.01.2022 | 09.02.2022 |

**II SEM**

| S. No | Description | Duration | |
|---|---|---|---|
| | | From | To |
| 1 | Commencement of II Semester classwork | **10.02.2022** | |
| 2 | 1st Spell of Instructions | 10.02.2022 | 06.04.2022 (8 Weeks) |
| 3 | First Mid Term Examinations | 07.04.2022 | 13.04.2022 (1 Week) |
| 4 | Submission of First Mid Term Exam Marks to the University on or before | 20.04.2022 | |
| 5 | 2nd Spell of Instructions (including Summer Vacation) | 16.04.2022 | 24.06.2022 (10 Weeks) |
| 6 | Summer Vacation | 09.05.2022 | 21.05.2022 (2 Weeks) |
| 7 | Second Mid Term Examinations | 25.06.2022 | 01.07.2022 (1 Week) |
| 8 | Preparation Holidays and Practical Examinations | 02.07.2022 | 09.07.2022 (1 Week) |
| 9 | Submission of Second Mid Term Exam Marks to the University on or before | 09.07.2022 | |
| 10 | End Semester Examinations | 11.07.2022 | 23.07.2022 (2 Weeks) |

REGISTRAR

The sample of the JNTUH academic calendar for the year (2021 – 2022 ) SEM-I and SEM-II

**2020-2021**

OSMANIA UNIVERSITY
HYDERABAD – 500 007

No. 616 /Stat./Acad/2020 Dated: 5 -10-2020

To
All the Principals of Affiliated Colleges offering B.E. course
under the jurisdiction of Osmania University.

Sub:- Almanac of B.E. (All Branches) III,IV,V,VI semesters (AICTE Model) and VII & VIII semesters (CBCS Model) for the Affiliated Colleges for the academic year 2020-2021 – Approval – Communicated – Reg.

Ref:- Letter No.DFE/2020/B.E(Almanac)/60, dated:14-09-2020 from the Dean, Faculty of Engineering, OU.

***

Sir/Madam,

With reference to the letter cited, I am desired to communicate the approval of the University for the following Almanac of B.E.(All Branches) III,IV,V,VI semesters (AICTE Model) and VII & VIII semesters (CBCS Model) semesters for the Affiliated Colleges for the academic year 2020-2021:-

**B.E (all Branches) III &V (AICTE), & VII (CBCS) -Semesters**

| | | |
|---|---|---|
| 1. | Commencement of Instruction | 01-09-2020 |
| 2. | Engineers day | 15-09-2020 |
| 3. | CIE ( Internal Test) -I | 14-10-2020 to 16-10-2020 |
| 4. | Dasara Vacation | 17-10-2020 to 25.10.2020 |
| 5. | Display of CIE-I Marks on or before | 28-10-2020 |
| 6. | CIE ( Class Test) -II | 28-12-2020 to 30-12-2020 |
| 7. | Last day of Instruction | 31-12-2020 |
| 8. | Display of CIE-II Marks on or before | 02-01-2021 |
| 9. | Preparation Holidays and Practical Examinations | 06-01-2021 to 25-01-2021 |
| 10. | Submission of attendance to O.U Exam Branch | 06-01-2021 |
| 11. | Submission of CIE Marks to O.U Exam Branch | 16-01-2021 |
| 12. | Republic Day | 26-01-2021 |
| 13. | Commencement of theory Examinations | 27-01-2021 |

**B.E (all Branches) IV &VI (AICTE), & VIII (CBCS) -Semesters**

| | | |
|---|---|---|
| 1 | Commencement of Instruction | 08-03-2021 |
| 2 | CIE ( Class Test) - I | 21-04-2021 to 23-04-202 |
| 3 | Display of CIE-I Marks on or before | 30-04-2021 |
| 4 | CIE ( Internal Test) -II | 02-06-2021 to 04-06-2021 |
| 5 | Last day of Instruction | 15-06-2021 |
| 6 | Display of CIE-II Marks on or before | 15-06-2021 |
| 7 | Preparation Holidays and Practical Examinations | 17-06-2021 to 29-06-2021 |
| 8 | Submission of attendance to O.U Exam Branch | 22-06-2021 |
| 9 | Submission of CIE Marks to O.U Exam Branch | 22-06-2021 |
| 10 | Commencement of theory Examinations | 01-07-2021 |
| 11 | Commencement of Next Academic Year 2021-2022 | 26-08-2021 |

* Staff may be permitted to avail 4/6 weeks of Vacation in consultation with the Principal concerned.

Yours Sincerely,

ASSISTANT REGISTRAR
(Academic)

The sample of the OU academic calendar for the year (2020 – 2021)

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**
**ACADEMIC CALENDAR 2020-21**
**For All Constituent & Affiliated Colleges of JNTUH**
B. Tech./B.Pharm. II, III & IV Years I & II Semesters

**I SEM**

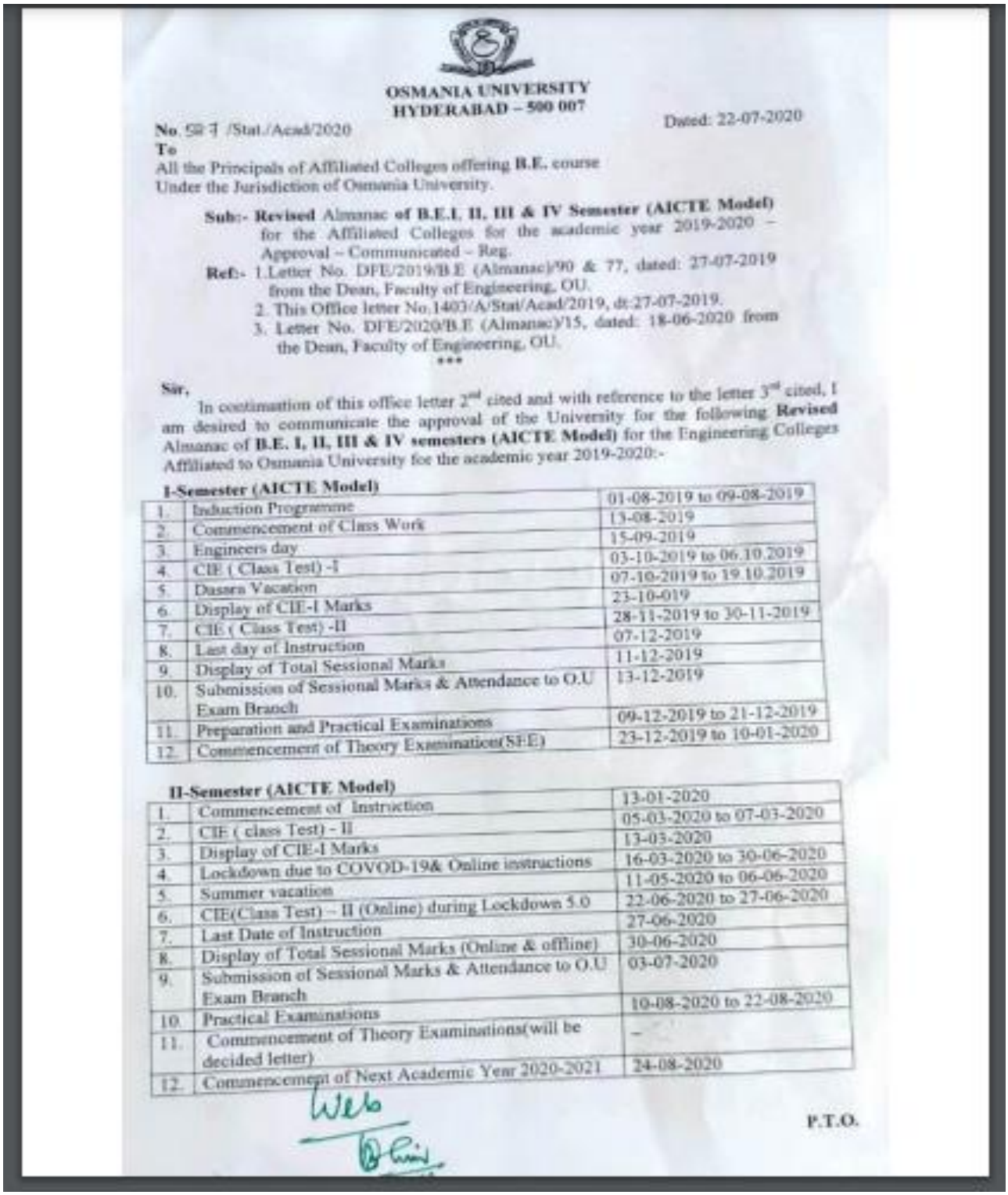
| S. No | Description | Duration | |
|---|---|---|---|
| | | From | To |
| 1. | Commencement of 1st Semester classwork | 24.08.2020 | |
| 2. | 1st Spell of Instructions | 24.08.2020 | 17.10.2020 (8 Weeks) |
| 3. | Dussehra Recess | 19.10.2020 | 24.10.2020 (1 Week) |
| 4. | First Mid Term Examinations | 26.10.2020 | 31.10.2020 (1 Week) |
| 5. | Submission of First Mid Term Exam Marks to the University on or before | 07.11.2020 | |
| 6. | Parent-Teacher Meeting | 13.11.2020 | |
| 7. | 2nd Spell of Instructions | 02.11.2020 | 26.12.2020 (8 Weeks) |
| 8. | Second Mid Term Examinations | 28.12.2020 | 02.01.2021 (1 Week) |
| 9. | Preparation Holidays and Practical Examinations | 04.01.2021 | 09.01.2021 (1 Week) |
| 10. | Submission of Second Mid Term Exam Marks to the University on or before | 09.01.2021 | |
| 11. | End Semester Examinations | 11.01.2021 | 23.01.2021 (2 Weeks) |

**II SEM**

| S. No | Description | Duration | |
|---|---|---|---|
| | | From | To |
| 1. | Commencement of 2nd Semester classwork | 25.01.2021 | |
| 2. | 1st Spell of Instructions | 25.01.2021 | 20.03.2021 (8 Weeks) |
| 3. | First Mid Term Examinations | 22.03.2021 | 27.03.2021 (1 Week) |
| 4. | Submission of First Mid Term Exam Marks to the University on or before | 06.04.2021 | |
| 5. | Parent-Teacher Meeting | 09.04.2021 | |
| 6. | 2nd Spell of Instructions | 29.03.2021 | 22.05.2021 (8 Weeks) |
| 7. | Second Mid Term Examinations | 24.05.2021 | 29.05.2021 (1 Week) |
| 8. | Preparation Holidays and Practical Examinations | 31.05.2021 | 05.06.2021 (1 Week) |
| 9. | Submission of Second Mid Term Exam Marks to the University on or before | 05.06.2021 | |
| 10. | End Semester Examinations | 07.06.2021 | 19.06.2021 (2 Weeks) |
| 11. | Summer Vacation | 21.06.2021 | 10.07.2021 (3 Weeks) |

The sample of the JNTUH academic calendar for the year (2020 – 2021 ) SEM-I and SEM-II

## 2019-2020



**OSMANIA UNIVERSITY**
**HYDERABAD – 500 007**

No. 58 3 /Stat./Acad/2020 Dated: 22-07-2020

**To**
All the Principals of Affiliated Colleges offering **B.E.** course
Under the Jurisdiction of Osmania University.

**Sub:- Revised** Almanac **of B.E.I, II, III & IV Semester (AICTE Model)** for the Affiliated Colleges for the academic year 2019-2020 – Approval – Communicated – Reg.

**Ref:-** 1.Letter No. DFE/2019/B.E (Almanac)/90 & 77, dated: 27-07-2019 from the Dean, Faculty of Engineering, OU.
2. This Office letter No.1403/A/Stat/Acad/2019, dt:27-07-2019.
3. Letter No. DFE/2020/B.E (Almanac)/15, dated: 18-06-2020 from the Dean, Faculty of Engineering, OU.

***

**Sir,**

In continuation of this office letter 2nd cited and with reference to the letter 3rd cited, I am desired to communicate the approval of the University for the following **Revised** Almanac of **B.E. I, II, III & IV semesters (AICTE Model)** for the Engineering Colleges Affiliated to Osmania University foe the academic year 2019-2020:-

**I-Semester (AICTE Model)**

| | | |
|---|---|---|
| 1. | Induction Programme | 01-08-2019 to 09-08-2019 |
| 2. | Commencement of Class Work | 13-08-2019 |
| 3. | Engineers day | 15-09-2019 |
| 4. | CIE ( Class Test) -I | 03-10-2019 to 06.10.2019 |
| 5. | Dussera Vacation | 07-10-2019 to 19.10.2019 |
| 6. | Display of CIE-I Marks | 23-10-019 |
| 7. | CIE ( Class Test) -II | 28-11-2019 to 30-11-2019 |
| 8. | Last day of Instruction | 07-12-2019 |
| 9. | Display of Total Sessional Marks | 11-12-2019 |
| 10. | Submission of Sessional Marks & Attendance to O.U Exam Branch | 13-12-2019 |
| 11. | Preparation and Practical Examinations | 09-12-2019 to 21-12-2019 |
| 12. | Commencement of Theory Examination(SEE) | 23-12-2019 to 10-01-2020 |

**II-Semester (AICTE Model)**

| | | |
|---|---|---|
| 1. | Commencement of Instruction | 13-01-2020 |
| 2. | CIE ( class Test) - II | 05-03-2020 to 07-03-2020 |
| 3. | Display of CIE-I Marks | 13-03-2020 |
| 4. | Lockdown due to COVOD-19& Online instructions | 16-03-2020 to 30-06-2020 |
| 5. | Summer vacation | 11-05-2020 to 06-06-2020 |
| 6. | CIE(Class Test) – II (Online) during Lockdown 5.0 | 22-06-2020 to 27-06-2020 |
| 7. | Last Date of Instruction | 27-06-2020 |
| 8. | Display of Total Sessional Marks (Online & offline) | 30-06-2020 |
| 9. | Submission of Sessional Marks & Attendance to O.U Exam Branch | 03-07-2020 |
| 10. | Practical Examinations | 10-08-2020 to 22-08-2020 |
| 11. | Commencement of Theory Examinations(will be decided letter) | – |
| 12. | Commencement of Next Academic Year 2020-2021 | 24-08-2020 |

P.T.O.

**III-Semester (AICTE Model)**

| | | |
|---|---|---|
| 1. | Commencement of Instruction | 08-07-2019 |
| 3. | CIE ( Class Test) -I | 26-08-2019 to 30-08-2019 |
| 4. | Display of CIE-I Marks on or before | 07-09-2019 |
| 5. | Engineers Day | 15-09-2019 |
| 6. | Dasara Vacation | 07-10-2019 to 19-10-2019 |
| 7. | CIE (Class Test) –II | 05-11-2019 to 09-11-2019 |
| 8. | Last day of Instruction | 09-11-2019 |
| 9. | Display of CIE –II Marks | 11-11-2019 |
| 10. | Preparation Holidays and Practical Examinations | 11-11-2019 to 30-11-2019 |
| 11. | Submission of attendance to O.U Exam Branch | 15-11-2019 |
| 12. | Submission of CIE Marks to O.U Exam Branch | 23-11-2019 |
| 13. | Commencement of Theory Examinations (SEE) | 02-12-2019 |

**IV-Semester (AICTE Model)**

| | | |
|---|---|---|
| 1. | Commencement of Instruction | 06-01-2020 |
| 2. | CIE (Class Test) -I | 24-02-2020 to 28-02-2020 |
| 3. | Display of CIE-I Marks on or before | 07-03-2020 |
| 4. | Lockdown due to COVOD-19& Online instructions | 16-03-2020 to 30-06-2020 |
| 5. | Summer Vacation | 11-05-2020 to 06-06-2020 |
| 6. | CIE (Class Test) –II Online) (during Lockdown 5.0 | 22-06-2020 to 27-06-2020 |
| 7. | Last day of Instruction | 27-06-2020 |
| 8. | Display of Total Sessional Marks (Online & offline) | 30-06-2020 |
| 9. | Submission of Sessional Marks & Attendance to O.U Exam Branch | 03-07-2020 |
| 10. | Practical Classes | 10-08-2020 to 22-08-2020 |
| 11. | Commencement of Theory Examinations (will be decided leter) | – |
| 12. | Commencement of Next Academic Year 2020-2021 | 24-08-2020 |

* Staff may be permitted to avail 4/6 weeks of Vacation in consultation with the Principal concerned.

Yours Sincerely,

**ASSISTANT REGISTRAR**
(Academic)

**Copy to:-**

1. The Dean, Faculty of Engineering, OU.
2. The Head, Department of Civil/Electrical/Mechanical/Bio-Medical/ECE/CSE,OU.
3. The Director, Directorate of Academic Audit, OU.
4. The Director, University Foreign Relations Office, OU.
5. The Director, (Infrastructure), OU – with a request to place this on the University Web site.
6. The Chairman, Board of Studies in Civil/Electrical/Mechanical/Bio-Medical/ECE/CSE, OU.
7. The Controller of Examinations, OU.
8. The Addl. Controller of Examinations (Professional/Confidential), OU.
9. The Deputy Registrar, Cheque-II Section, Examination Branch, OU.
10. The Secretary to the Vice-Chancellor, OU.
11. The P.A. to Registrar, OU.

The sample of the OU academic calendar for the year (2019 – 2020 ) SEM-I and SEM-II

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

**REVISED ACADEMIC CALENDAR (2019-20)**

FOR NON-AUTONOMOUS CONSTITUENT& AFFILIATED COLLEGES

B. TECH./B.PHARM. II, III & IV YEARS I & II SEMESTERS

**I SEM**

| S. No | EVENT | DATE | Duration |
|---|---|---|---|
| 1 | Commencement of Instruction | 15th July 2019 | -- |
| 2 | First Mid Term Examinations | 12th to 14th Sept. 2019 | -- |
| 3 | Submission of First Mid Term Exam Marks to University on or before | 20th Sept. 2019 | -- |
| 4 | Parent-Teacher Meeting | 21st Sept. 2019 | -- |
| 5 | Dussehra recess | 7th to 19th Oct. 2019 | 2 weeks |
| 6 | Last date of Instruction | 20th Nov. 2019 | 17 weeks |
| 7 | Second Mid Term Examinations | 21st to 23rd Nov. 2019 | -- |
| 8 | Preparation Holidays and Practical Examinations | 25th to 30th Nov. 2019 | 1 week |
| 9 | Submission of Second Mid Term Exam Marks to University on or before | 30th Nov. 2019 | -- |
| 10 | End Semester Examinations | 2nd to 14th Dec. 2019 | 2 weeks |

**II SEM**

| S. No | EVENT | DATE | Duration |
|---|---|---|---|
| 1 | Commencement of Instruction | 16th Dec. 2019 | -- |
| 2 | First Mid Term Examinations | 10th to 12th Feb. 2020 | -- |
| 3 | Submission of First Mid Term Exam Marks to University on or before | 19th Feb. 2020 | -- |
| 4 | Parent-Teacher Meeting | 14th March 2020 | -- |
| 5 | Last date of Instruction | 7th April 2020 | 16 weeks |
| 6 | Second Mid Term Examinations | 8th to 11th April 2020 | -- |
| 7 | Preparation Holidays and Practical Examinations | 13th to 18th April 2020 | 1 week |
| 8 | Submission of Second Mid Term Exam Marks to University on or before | 18th April 2020 | -- |
| 9 | End Semester Examinations | 20th April to 2nd May 2020 | 2 weeks |
| 10 | Summer Vacation | 4th May to 4th July 2020 | 9 weeks |

21.10.19

**DIRECTOR**

**ACADEMIC & PLANNING, JNTUH**

The sample of Revised JNTUH Academic Calendar (2019-20)

**2018-2019**

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

**REVISED ACADEMIC CALENDAR (2018-19)**

FOR NON-AUTONOMOUS CONSTITUENT& AFFILIATED COLLEGES

B. TECH. II, III & IV YEARS I & II SEMESTERS

**I SEM**

| S. No | EVENT | DATE | Duration |
|---|---|---|---|
| 12. | Commencement of Instruction | 9th July 2018 | -- |
| 13. | First Mid Term Examinations | 4th to 6th Sept. 2018 | -- |
| 14. | Submission of First Mid Term Exam Marks to University on or before | 15th Sept. 2018 | -- |
| 15. | Parent-Teacher Meeting | 13th Oct. 2018 | -- |
| 16. | Dussehra recess | 15th to 20th Oct. 2018 | 1 week |
| 17. | Last date of Instruction | 10th Nov. 2018 | 16 weeks |
| 18. | Second Mid Term Examinations | 12th to 14th Nov. 2018 | -- |
| 19. | Preparation Holidays and Practical Examinations | 15th to 24th Nov. 2018 | 1 week |
| 20. | Submission of Second Mid Term Exam Marks to University on or before | 24th Nov. 2018 | -- |
| 21. | End Semester / Supplementary Examinations | 26th Nov. to 8th Dec. 2018 | 2 weeks |
| 22. | Semester Break | 10th to 15th Dec. 2018 | 1 week |

**II SEM**

| S. No | EVENT | DATE | Duration |
|---|---|---|---|
| 11. | Commencement of Instruction | 24th Dec. 2018 | -- |
| 12. | First Mid Term Examinations | 18th to 20th Feb. 2019 | -- |
| 13. | Submission of First Mid Term Exam Marks to University on or before | 27th Feb. 2019 | -- |
| 14. | Parent-Teacher Meeting | 9th March. 2019 | -- |
| 15. | Last date of Instruction | 20th April 2019 | 16 weeks |
| 16. | Second Mid Term Examinations | 22nd to 24th April 2019 | -- |
| 17. | Preparation Holidays and Practical Examinations | 25th April to 4th May 2019 | 1 week |
| 18. | Submission of Second Mid Term Exam Marks to University on or before | 2nd May 2019 | -- |
| 19. | End Semester / Supplementary Examinations | 6th to 18th May 2019 | 2 weeks |
| 20. | Summer Vacation | 20th May to 13th July 2019 | 8 weeks |

17.12.18

**DIRECTOR**

**ACADEMIC & PLANNING, JNTUH**

The sample of the calendar (2018 – 2019 of JNTUH )

**2. Institute Calendar-** It has been prepared every year just after receipt of the University academic calendar. It contains the events of the University and the events of the Institute which are useful in overall development of the Students. We follow the institute academic calendar in total. Our management and higher officials are keen to follow up the academic calendar. From the college calendar of events a Department calendar of events is derived which is specific to the Department.

The sample of the calendar of Even and Odd semesters (2018-19) is given below:

**INSTITUTE ACADEMIC CALENDERS (2021-2022)**

**Nawab Shah Alam Khan College Of Engineering and Technology**

**New Malakpet Hyderabad 500004**

**Academic calendar 2021-2022**

**I,III,V,VII ODD SEMESTERS**

**Civil Engineering Department**

| Events | Dates |
|---|---|
| B.TECH IV Year Commencement Of Class | 06.09.2021 to 06.11.2021 |
| Dusserha Recess | 11.10.2021 to 16.10.2021 |
| B.E III, V Sem Commencement Of Class | 08.11.2021 |
| B.TECH IV Year First Mid-Term Examination | 08.11.2021 to 13.11.2021 |
| B.TECH IV Year 2nd Spell of instruction | 15.11.2021 to 08.01.2022 |
| B.TECH IV Year Submission Of I-MID Marks to University | 20.11.2021 |
| B.E I Sem Orientation program | 01.12.2021 |
| B.E I Sem Induction program | 29.11.2021 to 10.12.2021 |
| B.E I Sem Commencement Of Class work | 13.12.2021 |
| B.E III,V Sem Ist CIE | 13.12.2021 to 16.12.2021 |
| **ORIENTATION PROGRAM FOR B.E I SEM** | **23.12.2021** |
| **GRADUATION DAY FOR B.TECH PASS OUTS** | **23.12.2021** |
| B.E III, V Sem Submission Of I-CIE Marks to University | 27.12.2021 |
| B.E I Sem Ist CIE | 07.01.2022 TO 12.01.2022 |
| B.E I Sem Display Of I-CIE Marks | 19.01.2022 |
| B.TECH IV Year Second Mid-Term Examination | 10.01.2022 to 18.01.2022 |
| Preparation Holidays & Practical exam | 19.01.2022 to 25.01.2022 |
| B.TECH IV Year Submission Of II-MID Marks to University | 25.01.2022 |
| | |
| B.Tech IV Year End Exam | 27.01.2022 to 09.02.2022 |
| B.E III,V Sem IInd CIE | 27.01.2022 to 29.01.2022 |
| B.E I Sem 2ND CIE | 09.02.2022 TO 11.02.2022 |
| B.E III, V Sem last day of Instruction | 05.02.2022 |
| B.E I Sem last day of Instruction | 20.02.2022 |
| B.E III,V Sem Remedial Classes | 05.02.2022 to 12.02.2022 |
| B.E III,V Sem Submission Of Attendance to OU University | 07.02.2022 |
| B.E III,V Sem Display Of II-CIE Marks | 08.02.2022 |

| | |
|---|---|
| B.E III,V Sem Submission Of II-CIE Marks to University | 10.02.2022 |
| B.E III,V Sem Commencement of theory Examination | 13.02.2022 |
| B.E I Sem Submission Of Attendance to OU University | 01.03.2022 |
| B.E I Sem Display Of II-CIE Marks | 03.03.2022 |
| B.E I Sem Submission Of II-CIE Marks to University | 05.03.2022 |
| B.E I Sem Commencement of theory Examination | 07.03.2022 |
| B.Tech VI Sem Classwork | 10.02.2022 |
| B.Tech IV Year -II Sem 1st Spell | 10.02.2022 to 06.04.2022 |
| | |
| B.TECH IV Year IInd Mid-Term Examination | 14.02.2022 to 19.02.2022 |
| B.TECH IV Year Remedial Classes and Practical Examination | 21.02.2022 to 26.02.2022 |
| B.TECH IV Year End Semester/Supplementary Examination | 28.02.2022 to 12.03.2022 |
| B.Tech First Mid Term Examination | 07.04.2022 to 13.04.2022 |
| B.Tech Submission of First Mid Term Marks to the University on or before | 20.04.2022 |
| B.Tech IInd Spell of Instructions | 16.04.2022 to 24.06.2022 |
| B.Tech Summer Vaccation | 09.05.2022 to 21.05.2022 |
| B.Tech Second Mid Term Examination | 25.06.2022 to 01.07.2022 |
| B.Tech Preparation Holidays and Practical Examinations | 02.07.2022 to 09.07.2022 |
| B.Tech Submission of Second Mid Term Marks to the University on or before | 09.07.2022 |
| B.Tech End Semester Examinations | 11.07.2022 to 23.07.2022 |

H.O.D HEAD
Department of Civil Engineering
NAWAB SHAH ALAM KHAN COLLEGE
OF ENGINEERING & TECHNOLOGY

PRINCIPAL

**Sample of institute academic calendar of the odd semesters for the year (2021-2022)**

# Nawab Shah Alam Khan College Of Engineering and Technology

## New Malakpet Hyderabad 500004

## Academic calendar 2021-2022

## II,IV,VI,VIII EVEN SEMESTERS

## Civil Engineering Department

| Events | Dates |
|---|---|
| B.Tech VI Sem Classwork | 10.02.2022 |
| B.Tech IV Year -II Sem 1st Spell | 10.02.2022 to 06.04.2022 |
| **SPORT WEEK** | **07.03.2022 TO 12.03.2022** |
| **TECHNO VISSION** | **04.04.2022 TO 05.04.2022** |
| B.Tech First Mid Term Examination | 07.04.2022 to 13.04.2022 |
| B.Tech Submission of First Mid Term Marks to the University on or before | 20.04.2022 |
| B.Tech IInd Spell of Instructions | 16.04.2022 to 24.06.2022 |
| B.Tech Summer Vaccation | 09.05.2022 to 21.05.2022 |
| B.Tech Second Mid Term Examination | 25.06.2022 to 01.07.2022 |
| B.Tech Preparation Holidays and Practical Examinations | 02.07.2022 to 09.07.2022 |
| B.Tech Submission of Second Mid Term Marks to the University on or before | 09.07.2022 |
| B.Tech End Semester Examinations | 11.07.2022 to 23.07.2022 |

HEAD
Department of Civil Engineering
NAWAB SHAH ALAM KHAN COLLEGE
OF ENGINEERING & TECHNOLOGY
16-4-1/A, New Malakpet, Hyderabad - 500 024.

**Sample of institute academic calendar of the Even semesters for the year (2021-2022)**

# Academic calendar for the year 2020-21

## Nawab Shah Alam Khan College Of Engineering And Technology

**New Malakpet Hyderabad 500004**

**Academic calendar for the year 2020-21**

**I,III,V,VII ODD SEMESTERS**

**CIVIL Engineering Department**

| Events | Dates |
|---|---|
| B.TECH II,III,IV Year Commencement Of Class | 01.09.2020 |
| B.TECH II,III,IV Year 1ST Spell of instruction | 01.09.2020 to 31.10.2020 |
| B.E III Sem Commencement Of Class | 01.09.2020 |
| B.E I Sem Induction program | 01.12.2020 to 19.12.2020 |
| B.E I Sem Commencement Of Class work | 21.12.2020 |
| B.TECH II,III,IV Year Pervious Semester End Exam preparation holidays | 02.11.2020 to 04.11.2020 |
| B.TECH II,III,IV Year 2nd Spell of instruction | 14.12.2020 to 12.02.2021 |
| B.TECH II,III,IV Year First Mid-Term Examination | 21.12.2020 to 28.12.2020 |
| B.TECH II,III,IV Year Submission Of I-MID Marks to University | 01.01,2021 |
| **CIVIL ENGINEERING TECHNO-VISION2020** | **04.02.2020** |
| B.TECH II,III,IV Year Quiz | 8th July 2020 |
| **SESSION ON ENGINEERING WORKSHOP(GUEST LECTURE)** | 14.02.2020 |
| B.E III Sem Ist CIE | |
| B.E I Sem Ist CIE | 08.02.2021 to 10.02.2021 |
| B.E I Sem Display Of I-CIE Marks | 01.03.2021 |
| B.E III Sem Submission Of I-CIE Marks to University | |
| B.TECH II,III,IV Year IInd Mid-Term Examination | 15.02.2021 to 20.02.2021 |
| **Practical classes** | 22.02.2021 to 27.02.2021 |
| B.TECH II,III,IV Year Preparation Holidays and Practical Examination | 01.03.2021 to 06.03.2021 |
| B.E III Sem IInd CIE | 22.02.2021 to 25.02.2021 |
| B.E I Sem IInd CIE | 25.03.2021 to 27.03.2021 |
| B.E III Sem last day of Instruction | 12.03.2021 |
| B.E I Sem last day of Instruction | 03.04.2021 |

| | |
|---|---|
| B.E III Sem Display Of II-CIE Marks | 22.03.2021 |
| B.E III Sem Submission Of Attendance to OU University | 23.03.2021 |
| B.E III Sem Submission Of II-CIE Marks to University | 25.03.2021 |
| B.E I Sem Display Of Sessional Marks | 12.04.2021 |
| B.E III Sem Commencement of theory Examination | 29.03.2021 |
| B.E III Preparation Holidays and Practical Examination | 13.03.2021 to 27.03.2021 |
| B.TECH II,III,IV Year End Semester/Supplementary Examination | 08.03.2021 to 20.03.2021 |
| B.E I Sem submission of attendance and Sessional Marks to OU | 13.04.2021 |
| B.E I Sem Practical Examination and Preparation | 05.04.2021 to 17.04.2021 |
| B.E I Sem Commencement of theory Examination | 19.04.2021 |

HEAD
Department of Civil Engineering
NAWAB SHAH ALAM KHAN COLLEGE
OF ENGINEERING & TECHNOLOGY
16-4-1/A, New Malakpet, Hyderabad - 500 024

**Sample of institute academic calendar of the odd semesters for the year (2020-2021)**

# Nawab Shah Alam Khan College Of Engineering And Technology

## New Malakpet Hyderabad 500004

## Academic calendar for the year 2020-21

## II,IV,VI,VIII EVEN SEMESTER

## CIVIL Engineering Department

| Events | Dates |
|---|---|
| B.TECH II,III,IV Year Commencement Of Class | 22.03.2021 |
| B.TECH II,III,IV Year 1ST Spell of instruction | 22.03.2021 to 15.05.2021 |
| B.E II Sem Commencement Of Class work | 10.05.2021 TO 19.06.2021 |
| B.E II Sem Classwork for practicals | 21.06.2021 to 26.06.2021 |
| B.TECH II,III,IV Year summer vacation holidays | 17.05.2021 to 29.05.2021 |
| B.TECH II,III,IV Year First Mid-Term Examination | 31.05.2021 to 05.06.2021 |
| B.TECH II,III,IV Year Submission Of I-MID Marks to University | 11.06.2021 |
| B.TECH II,III,IV Year 2nd spell of instruction | **07.06.2021 to 31.07.2021** |
| B.E II Sem Ist CIE | 28.06.2021 TO 30.06.2021 |
| B.E II Sem Display Of I-CIE Marks | 12.07.2021 |
| B.TECH II,III,IV Year IInd Mid-Term Examination | 02.08.2021 to 07.08.2021 |
| **Practical classes** | 22.02.2021 to 27.02.2021 |
| B.TECH II,III,IV Year Preparation Holidays and Practical Examination | 09.08.2021 to 14.08.2021 |
| B.E II Sem IInd CIE | 19.08.2021 to 21.08.2021 |
| B.E II Sem last day of Instruction | 28.08.2021 |
| B.E III Sem Display Of II-CIE Marks | 22.03.2021 |
| B.E II Sem Display Of Sessional Marks | 06.09.2021 |
| B.E II Sem Submission Of Attendance to OU University | 07.09.2021 |
| B.E II Preparation Holidays and Practical Examination | 30.08.2021 to 12.09.2021 |
| B.TECH II,III,IV Year End Semester/Supplementary Examination | 16.08.2021 to 28.08.2021 |
| B.E II Sem Commencement of theory Examination | 13.09.2021 |

HEAD
Department of Civil Engineering
NAWAB SHAH ALAM KHAN COLLEGE
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16-4-[illegible] Malakpet, Hyderabad - 500 024

**Sample of institute academic calendar of the Even semesters for the year (2020-2021)**

# Academic calendar for the year 2019-20

## Nawab Shah Alam Khan College Of Engineering And Technology

**New Malakpet Hyderabad 500004**

**Academic calendar for the year 2019-20**

**I,III,V,VII ODD SEMESTERS**

**CIVIL Engineering Department**

| Events | Dates |
|---|---|
| B.TECH II,III,IV Year Commencement Of Class | 15TH JULY 2019 |
| B.E I Year 3 weeks induction program | 01 to 09 Aug 2019 |
| B.E I Year Commencement Of Instraction | 13 Aug 2019 |
| B.E I year conselling session and PTM | 3rd Sept 2019 |
| Annual Academic award function | 9th Sept 2019 |
| Engineering Day | 15th Sept 2019 |
| B.TECH II,III,IV Year Guest lecture | 24th july 2019 |
| B.TECH II,III,IV Year Industrial visit | 3rd 22nd Aug 2019 |
| Parent- teacher meeting | 7th Sep 2019 |
| quizz | 19TH sep 2019 |
| B.TECH II,III,IV Year Industrial visit | 21st sep 2019 |
| B.TECH II,III,IV Year First Mid-Term Examination | 12TH TO 14 SEPT |
| B.TECH II,III,IV Year Submission Of I-MID Marks to University | 20TH Sept 2019 |
| B.TECH II,III,IV Year Parents And Teachers Meeting | 21 Sept 2019 |
| B.E I year CIE-I | 03 to 06 Oct 2019 |
| DUSSEHRA HOLIDAYS | 07 TO 19.Oct .2019 |
| B.E I year Submission Of I-MID Marks to University | 23RD Oct 2019 |
| Graduation Day -2019 | 28th Nov 2019 |
| B.E I year CIE-II | 28TH TO 30TH NOV 20219 |
| LAST DATE IF INSTRUCTION | 07 DEC 2019 |
| DISPLAY OF MARKS CIE-II | 11TH DEC 2019 |
| B.E I year Year Parents And Teachers Meeting | 28th Dec 2019 |
| B.E I year last day of submission of Sessional marks | 13 DEC 2019 |
| M.E II year Submission list of approved student | 20th Aug 2019 |
| B.TECH II,III,IV Year Last date of Instructions | 20TH NOV 2019 |
| B.TECH II,III,IV Year IInd Mid-Term Examination | 21ST TO 23 Nov 2019 |

| | |
|---|---|
| B.TECH II,III,IV Year Preparation Holidays and Practical Examination | 25TH TO 30 Nov 2019 |
| B.TECH II,III,IV Year Submission Of II-MID Marks to University | 30TH Nov 2019 |
| B.E I year Preparation Holidays and Practical Examination | 09 Dec to 21 Dec 2019 |
| B.TECH II,III,IV Year End Semester/Supplementary Examination | 2ND TO 14TH Dec 2019 |

HEAD
Department of Civil Engineering
NAWAB SHAH ALAM KHAN COLLEGE
OF ENGINEERING & TECHNOLOGY
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**Sample of institute academic calendar of the odd semesters for the year (2019-2020)**

# Nawab Shah Alam Khan College Of Engineering And Technology

## New Malakpet Hyderabad 500004

## Academic calendar for the year 2019-20

## II,IV,VI,VIII EVEN SEMESTER

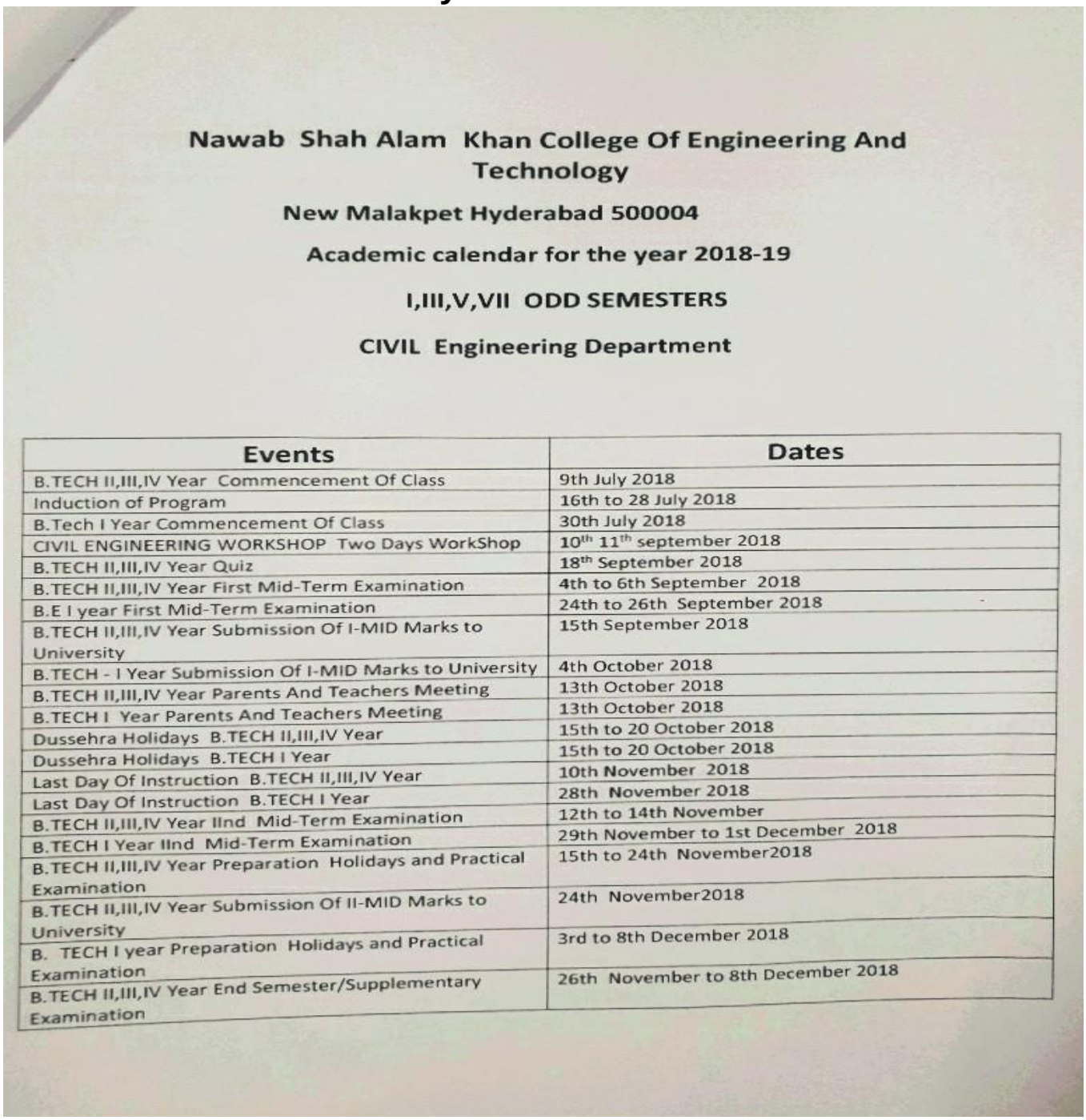
## CIVIL Engineering Department

| Events | Dates |
|---|---|
| B.Tech-II Sem commencement of class | 16th Dec 2019 |
| B.E I year II Sem Commencement Of Class | 13.Jan2020 |
| B.Tech-II sem Mid-I Marks | 10 to 12th Feb 2020 |
| Submission of Mid-I to university | 19th Feb2020 |
| **TECHNOVISION -2020** | **26TH Feb 2020** |
| B.E I year III Sem First Mid-Term Examination | 05 march to 07 march 2020 |
| Parent Techer Meeting B.Tech ,B.E | 14th march 2020 |
| DISPLAY OF CIE-I MARKS | 13TH MARCH 2020 |
| **LockDown Due to COVOD-19 &Onine classes** | **16 march to 30 June 2020** |
| SUMMER VACTION | 11TH MAY TO 6TH JUNE 2020 |
| B.E I year II Sem Second Mid-Term Examination | 22 June to 27 June 2020 |
| LAST DAY OF INSTRUCTION | 27TH JUNE 2020 |
| B.E I year III Sem last day of submission of Sessional marks | 3July 2020 |
| ParticaL Exams | 10th TO 22nd AUG 2020 |
| Commencement Of Exams | DECIDED LATER |
| B.TECH II,III,IV Year Summer Vacation | 4th May to 4th July 2020 |
| B.E I year Summer Vacation | 11 Mayto 06 June2020 |

HEAD
Department of Civil Engineering
NAWAB SHAH ALAM KHAN C... E
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...1/A, New Malakpet, Hyderabad ... 024

**Sample of institute academic calendar of the Even semesters for the year (2019-2020)**

# Academic calendar for the year 2018-19



**Nawab Shah Alam Khan College Of Engineering And Technology**

**New Malakpet Hyderabad 500004**

**Academic calendar for the year 2018-19**

**I,III,V,VII ODD SEMESTERS**

**CIVIL Engineering Department**

| Events | Dates |
|---|---|
| B.TECH II,III,IV Year Commencement Of Class | 9th July 2018 |
| Induction of Program | 16th to 28 July 2018 |
| B.Tech I Year Commencement Of Class | 30th July 2018 |
| CIVIL ENGINEERING WORKSHOP Two Days WorkShop | 10th 11th september 2018 |
| B.TECH II,III,IV Year Quiz | 18th September 2018 |
| B.TECH II,III,IV Year First Mid-Term Examination | 4th to 6th September 2018 |
| B.E I year First Mid-Term Examination | 24th to 26th September 2018 |
| B.TECH II,III,IV Year Submission Of I-MID Marks to University | 15th September 2018 |
| B.TECH - I Year Submission Of I-MID Marks to University | 4th October 2018 |
| B.TECH II,III,IV Year Parents And Teachers Meeting | 13th October 2018 |
| B.TECH I Year Parents And Teachers Meeting | 13th October 2018 |
| Dussehra Holidays B.TECH II,III,IV Year | 15th to 20 October 2018 |
| Dussehra Holidays B.TECH I Year | 15th to 20 October 2018 |
| Last Day Of Instruction B.TECH II,III,IV Year | 10th November 2018 |
| Last Day Of Instruction B.TECH I Year | 28th November 2018 |
| B.TECH II,III,IV Year IInd Mid-Term Examination | 12th to 14th November |
| B.TECH I Year IInd Mid-Term Examination | 29th November to 1st December 2018 |
| B.TECH II,III,IV Year Preparation Holidays and Practical Examination | 15th to 24th November2018 |
| B.TECH II,III,IV Year Submission Of II-MID Marks to University | 24th November2018 |
| B. TECH I year Preparation Holidays and Practical Examination | 3rd to 8th December 2018 |
| B.TECH II,III,IV Year End Semester/Supplementary Examination | 26th November to 8th December 2018 |

| | |
|---|---|
| B. TECH I year Submission Of II-MID Marks to University | 8th December 2018 |
| B.TECH I Year End Semester/Supplementary Examination | 10th to 22nd December 2018 |
| B. TECH I year Semester Break | 24th to 29th December 2018 |
| B.TECH II,III,IV Year End Semester Break | 10th to 15th December 2018 |

HEAD
Department of Civil Engineering
NAWAB SHAH ALAM KHAN COLLEGE
OF ENGINEERING & TECHNOLOGY
16-4-1/A, New Malakpet, Hyderabad - 500 024.

**Sample of institute academic calendar of the odd semesters for the year (2018-2019)**

# Nawab Shah Alam Khan College Of Engineering And Technology

## New Malakpet Hyderabad 500004

## Academic calendar for the year 2018-19

## II,IV,VI,VIII EVEN SEMESTER

## CIVIL Engineering Department

| Events | Dates |
|---|---|
| B.TECH II,III,IV Year Commencement Of Class | 24th December 2018 |
| B.Tech I Year Commencement Of Class | 31st December 2018 |
| B.Tech I year conselling session and sports | On Every Saturday |
| Faculty Developing Program | 11th - 12 th January 2019 |
| Parent- teacher meeting | 23rd January 2019 |
| B.TECH II,III,IV Year Guest lecture | 18th april 2019 |
| B.TECH II,III,IV Year Industrial visit | 3rd 21st 22nd august 2019 |
| B.TECH II,III,IV Year Workshop | 19th march 2019 |
| B.TECH II,III,IV Year First Mid-Term Examination | 18th to 23 February 2019 |
| **Sports Week** | 20th to 25 February 2019 |
| B.E I year First Mid-Term Examination | 25th to 17th february 2019 |
| B.TECH II,III,IV Year Submission Of I-MID Marks to University | 27th February 2019 |
| B.Tech I year Submission Of I-MID Marks to University | 7th march 2019 |
| B.TECH II,III,IV Year Parents And Teachers Meeting | 9th march 2019 |
| B.Tech I year Year Parents And Teachers Meeting | 9th march 2019 |
| B.TECH II,III,IV Year Last date of Instructions | 20th April 2019 |
| B.TECH II,III,IV Year IInd Mid-Term Examination | 22nd to 24 April 2019 |
| B.TECH I Year Last date of Instructions | 20th April 2019 |
| B.Tech I year Year IInd Mid-Term Examination | 22nd to 24 April 2019 |
| B.TECH II,III,IV Year Preparation Holidays and Practical Examination | 25th April to 4th May 2019 |
| B.TECH I Year Preparation Holidays and Practical Examination | 25th April to 4th May 2019 |
| B.TECH II,III,IV Year Submission Of II-MID Marks to University | 2nd May 2019 |

| | |
|---|---|
| B.TECH I Year Submission Of II-MID Marks to University | 1st may 2019 |
| | |
| B.Tech I year End Semester/Supplementary Examination | 2nd to 16th May |
| B.Tech II,III,IV year End Semester/Supplementary Examination | 6th May to 18th May 2019 |
| B.TECH II,III,IV Year Summer Vacation | 20th May to 13 July 2019 |
| B.Tech I year Summer Vacation | 17th May to 16 Jult 2019 |

HEAD
Department of Civil Engineering
NAWAB SHAH ALAM KHAN COLLEGE
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**Sample of institute academic calendar of the Even semesters for the year (2018-2019)**

3. **Departmental Calendar:** Departmental calendar (based on University calendar and Institutional calendar) is prepared before the commencement of each semester. It presents the activities planned for the semester. Subject allotment is done well in advance for the staff to prepare lesson plans, soft and hard copies of the lecture notes.

**SAMPLES OF DEPARTMENT CALENDERS:**

## Nawab Shah Alam Khan College of Engineering & Technology

## Academic Calenders OF B.TECH II, III, IV, - Ist SEMESTER(2020-2021)

## CIVIL ENGINEERING DEPARTMENT

| | | |
|---|---|---|
| 1. COMMENCEMENT OF INSTRUCTION | -------- | 24-08-2020 |
| 2.Industrial visit | --------- | 04.02-2020 |
| 3. DUSSERA HOLIDAYS | -------- | **19-10-2020 TO 22-10-2020** |
| 4. WEBINAR | ------- | 26-06-2020 |
| 5. MARKS SUBMISSION | ------- | 07-11-2020 |
| 6. PARENT-TEACHER MEETING | ------- | 13-11-2020 |
| 7. HOLI HOLIDAY | ------ | 10-03-2020 |
| 08. **MID – II EXAMINATIONS** | ------- | **28-12-2020 TO 02-01-2021** |
| 09. PREPARATION HOLIDAYS | ------- | **04-01-2021 TO 09-01-2021** |
| 10. MARKS SUBMISSION | ------- | 09-01-2020 |
| 11. END SEMISTER EXAMINATIONS | ------- | **11-01-2021 TO 23-01-2021** |
| 12.Industrial visit | | 04-02-2020 |
| 13.Guest lecture | - | 30-04-2020 |

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Department Calendar of NSAKCET 2020-2021

# Nawab Shah Alam Khan College of Engineering & Technology

## Academic Calenders OF B.TECH II, III, IV, -- Ist SEMESTER(2019-2020)

## CIVIL ENGINEERING DEPARTMENT

| | | |
|---|---|---|
| 1. COMMENCEMENT OF INSTRUCTION | -------- | 15-07-2019 |
| 2. GUEST LECTURE | -------- | 24-07-2019 |
| 3. INDUSTRIAL VISIT | -------- | 27-07-2019 |
| 4. INDEPENDENCE CELEBRATIONS (PRIZE DISTRIBUTION) | ------- | 15-08-2019 |
| 5. INDUSTRIAL VISIT | -------- | 03-08-2019 |
| 6. TEACHERS DAY | ------- | 05-09-2019 |
| 7. INDUSTRIAL VISIT | --- --- | 22-08-2019 |
| **8.** ENGINEER'S DAY | ------- | 15-09-2019 |
| 9. **MID – I EXAMINATIONS** | ------- | **12, 13,14 SEPT-2019** |
| 10. TECHNICAL VISIT | ------- | 21-09-2019 |
| 11. DUSHERA HOLIDAY'S | ------ | 07-10-2019 TO 19-10-2019 |
| 12. **MID – II EXAMINATIONS** | ------- | **14-11-2019 TO 16-11-2019** |

| | | |
|---|---|---|
| 13. GRADUATION DAY | ------- | 28-11-2019 |
| 14. Industrial visit | | 05-11-2019 |
| 14. End Semester examinations | ------- | 25-11-2019 TO 07-12-2019 |



# Nawab Shah Alam Khan College of Engineering & Technology

## Academic Calenders OF B.TECH II, III, IV, -- IInd SEMESTER(2019-2020)

## CIVIL ENGINEERING DEPARTMENT

| | | |
|---|---|---|
| **1. COMMENCEMENT OF INSTRUCTION** | **--------** | **09-12-2019** |
| **2 Guest lecture** | -------- | **19-03-2019** |
| **3 Guest lecture** | | **18-04-2019** |
| **3. first mid examinations** | -------- | **12-09-2019 to 14-09-2019** |
| **4. PARENT TEACHER MEETING** | ------- | **16-02-2019** |
| **(PRIZE DISTRIBUTION)** | | |
| **7. MID – I EXAMINATIONS** | ------- | **03, 04,05 feb,2020** |
| **9. GUEST LECTURE** | ------- | **30-04-2020** |
| **11. MID – II EXAMINATIONS** | ------- | **01-04-2020 TO 04-04-2020** |
| **12. END SEMESTER EXAMINATIONS** | ------- | **13-04-2020 TO 25-04-2020** |
| **13. SUMMER VACATION** | ------- | **26-04-2020 TO 04-07-2020** |

**Department Calendar of NSAKCET 2019-2020 2nd SEM**

# Nawab Shah Alam Khan College of Engineering & Technology

## Academic Calenders OF B.TECH II, III, IV, -- Ist SEMESTER(2018-2019)

## CIVIL ENGINEERING DEPARTMENT

| | | |
|---|---|---|
| 1. COMMENCEMENT OF INSTRUCTION | -------- | 09-07-2018 |
| 2. WORKSHOP | -------- | 10-09-2018 |
| 3. WORKSHOP | -------- | 11-09-2018 |
| 4. INDEPENDENCE CELEBRATIONS (PRIZE DISTRIBUTION) | ------- | 15-08-2018 |
| 5. INDUSTRIAL VISIT | -------- | 25-08-2018 |
| 6. GUEST LECTURE | --- --- | 10-09-2018 |
| 7. ENGINEER'S DAY | ------- | 15-09-2018 |
| 8. **MID – I EXAMINATIONS** | ------- | **4-09-2018 TO 6-9-2018** |

| | | |
|---|---|---|
| 9. DUSHERA HOLIDAY'S | ------ | 15-10-2018 TO 20-10-2018 |
| 10. **MID – II EXAMINATIONS** | ------- | **12-11-2018 TO 14-11-2018** |
| 11. GRADUATION DAY | ------- | 28-11-2018 |
| 12. UNIVERSITY EXAMS | ------- | 26-11-2018 TO 8-12-2018 |



# Nawab Shah Alam Khan College of Engineering & Technology

## Academic Calenders OF B.TECH II, III, IV, -- IInd SEMESTER(2018-2019)

## CIVIL ENGINEERING DEPARTMENT

---

| | | |
|---|---|---|
| 1. COMMENCEMENT OF INSTRUCTION | -------- | 24-12-2018 |
| 2. GUEST LECTURE | -------- | 19-03-2019 |
| 3. GUEST LECTURE | -------- | 18-04-2019 |
| 4. FACULTY DEVELOPMENT PROGRAM | ------- | 11-01-2019 &11-01-2019 23-01-2019 |
| 5 PARENT TEACHER MEETING | ------- | |
| 6 . **MID – I EXAMINATIONS** | ------- | **18-02-2019 TO 20-02-2019** |
| 7 PARENT TEACHER MEETING | ------- | 21-03-2019 |
| 8. **MID – II EXAMINATIONS** | ------- | **22-04-2019 TO 24-04-2019** |
| 9 PREPRATION HOLIDAYS | ------- | |

| | | |
|---|---|---|
| | | 25-04-2019 TO 04-05-2019 |
| 10. UNIVERSITY EXAMS | ------- | 6-05-2019 TO 18-05-2019 |
| 11 SUMMER VACATION | ------- | 20-05-2019 TO 13-07-2019 |

Department Calendar of NSAKCET 2018-2019 2nd SEM

All the course is handling as per the schedule in the academic calendar. For each course a course file is prepared by the subject handling faculty given format. The course file consists of syllabus, detailed course information with course outcome. Mapping of Cos and Pos

Teaching plan: Teaching plans for each and every course are prepared by the faculty. Whole syllabus is divided into 5 units and 52 lectures as per the teaching scheme prescribed by the university.

The course objectives are defined for each course in line with the POs.

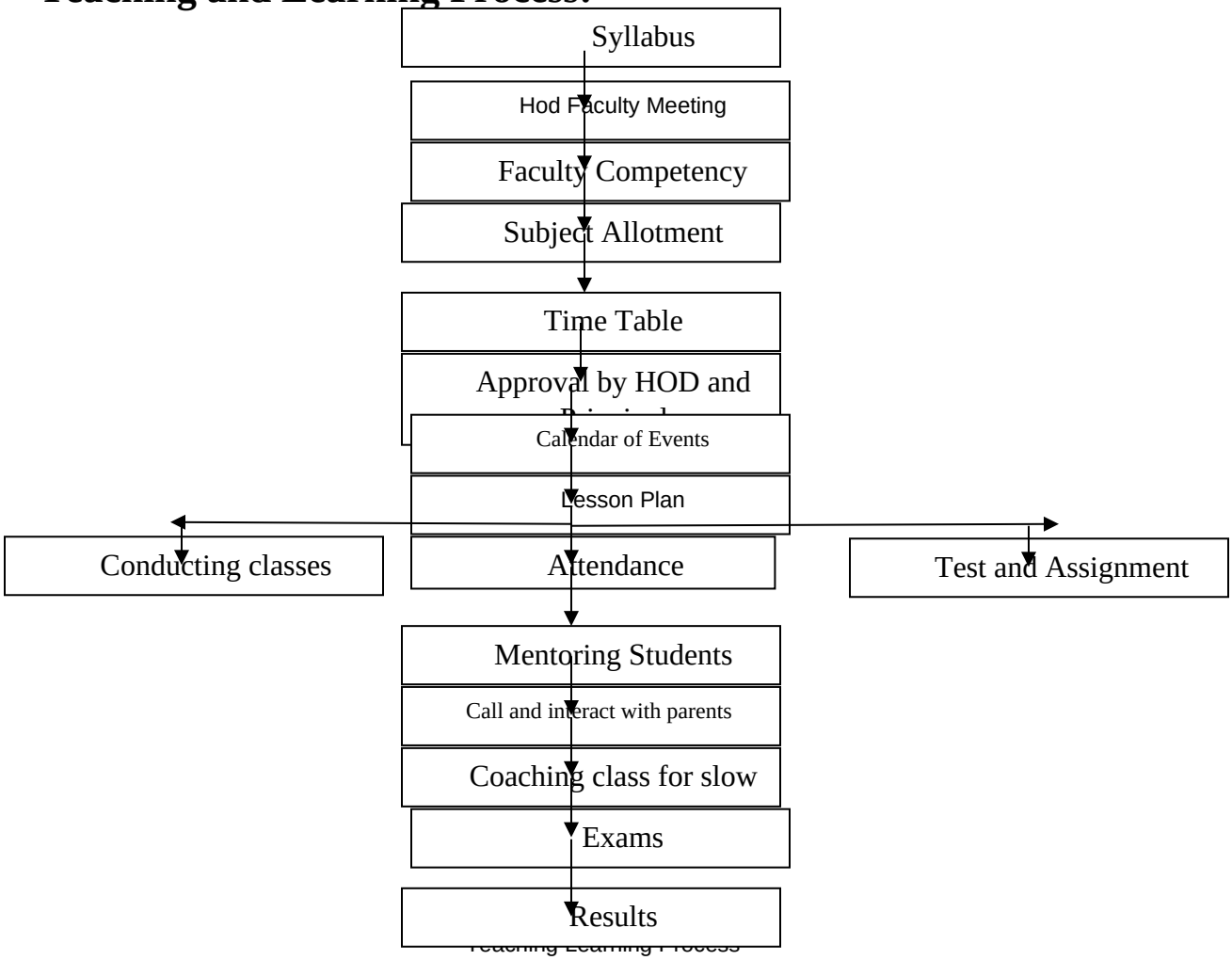
**Lesson plan:**

Lesson plans are prepared for each lecture in the teaching plan by the faculty before the commencement of the semester and it is duly approved after careful examination by the Head of the Department and made available to the students.

The lesson plan encompasses the learning outcomes and the assessment of outcomes.

- Question Bank: Question banks are prepared for each topic in the course based on the course objectives and considering the nature of the university question papers. The previous question papers of University are also maintained in the course files.
- Assignment: Questions and test question papers along with key solutions are included in the course files
- LIC audit (internal/external): LIC Audit Members monitors the maintenance of course files and class deliveries. Below Figure shows the template of lesson plan.

## Teaching and Learning Process:



TEACHING LEARNING PROCESS

## Lecture Schedule with methodology being used/adopted Lesson Plan:

| S. No. | Period No. | Topic | Regular/ Additional | Teaching aids used PPT/ OHP/ BB | Remarks |
|---|---|---|---|---|---|
| | | **UNIT-1** | | | |
| 1 | 1 | **Introduction** | | | |
| 2 | 2 | Introduction to engineering hydrology | Regular | BB | |
| 3 | 3 | Its applications. Hydrologic cycle, types and forms of precipitation | Regular | BB | |
| 4 | 4,5,6 | rainfall measurement, types of rain gauges | Regular | BB, PPT | |
| 5 | 7 | computation of average rainfall over a basin | Regular | BB | |
| 6 | 8 | **Geometric Design of Railway Tracks** | Regular | BB | |
| 7 | 9,10,11 | processing of rainfall data – Adjustment of record– Rainfall Double Mass Curve | Regular | BB, PPT | |
| 8 | 12 | Runoff- Factors affecting Runoff – Runoff over a Catchment – Empirical and Rational Formulae | Regular | BB | |
| 9 | 13 | Abstraction from rainfall-evaporation, factors affecting evaporation, measurement of evaporation | Regular | BB | |
| 10 | 14 | Evapotranspiration-Penman and Blaney & Criddle Methods | Regular | BB | |
| 11 | 15 | Infiltration, factors affecting infiltration, | Regular | BB | |

| | | | | | |
|---|---|---|---|---|---|
| 12 | 15 | Measurement of infiltration, infiltration indices. | Regular | BB | |
| | | **UNIT-II** | | | |
| 13 | 16 | Distribution of Runoff | Regular | BB | |
| 14 | 17,18,19 | Hydrograph Analysis Flood Hydrograph – Effective Rainfall – Base Flow | Regular | BB, PPT | |
| 15 | 19 | Direct Runoff Hydrograph – Unit Hydrograph | Regular | BB | |
| 16 | 20,21 | definition, and limitations of applications of Unit hydrograph | Regular | BB, PPT | |
| 17 | 22 | Derivation of Unit Hydrograph from Direct Runoff Hydrograph and vice versa. | Regular | BB | |
| 18 | 23 | S-hydrograph | Regular | BB | |
| 19 | 23 | Synthetic Unit Hydrograph. | Regular | BB | |
| | | **UNIT-III** | | | |
| 24 | 29 | Ground water Occurrence | Regular | BB | |
| 25 | 29 | types of aquifers, aquifer parameters, | Regular | BB | |
| 26 | 30,31 | porosity, specific yield, permeability | Regular | BB | |
| 27 | 32,33,34 | transmissivity and storage coefficient | Regular | BB, PPT | |
| 28 | 35,36 | Darcy's law | Regular | BB, PPT | |
| 29 | 36 | radial flow to wells in confined and unconfined aquifers | Regular | BB | |

| | | | | | |
|---|---|---|---|---|---|
| 31 | 37 | Types of well's, Well Construction | Regular | BB, PPT | |
| 32 | 38,39 | Well Development | Regular | BB, PPT | |
| | | **UNIT-IV** | | | |
| 33 | 39 | Necessity and Importance of Irrigation, advantages and ill effects of irrigation, types of Irrigation, | Regular | BB | |
| 34 | 40,41 | methods of application of Irrigation water, Indian agricultural soils, methods of improving soil fertility – Crop Rotation, preparation of land for Irrigation | Regular | BB | |
| 35 | 42,43, 44 | Standards of quality for Irrigation water. Soil-water-plant relationship, vertical distribution of soil moisture, | Regular | BB | |
| 36 | 45,46 | soil moisture constants, soil moisture tension, consumptive use, Duty and delta, | Regular | BB | |
| 37 | 47 | Factors affecting duty-Design discharge for a water course. | Regular | BB | |
| 38 | 48,49 | . Depth and frequency of Irrigation, irrigation Efficiencies-Water Logging. | Regular | BB | |
| | | **UNIT-V** | | | |
| 39 | 50 | Classification of canals | Regular | BB | |
| 40 | | Design of Irrigation canals by Kennedy's and Lacey's theories, | Regular | BB | |
| 41 | | , balancing depth of cutting, IS standard | Regular | BB | |

| | | | | | |
|---|---|---|---|---|---|
| | | for a canal design canal lining. | | | |
| 42 | | Design Discharge over a catchment | Regular | BB | |
| 43 | | Computation of design discharge rational formula, SCS curve number method | Regular | BB | |
| 44 | | , flood frequency analysis- Introductory Part Only. Stream Gauging | Regular | BB | |
| 45 | | Measurement and estimation of stream flow. | Regular | BB | |

# Lesson Plan & Schedule

| NAWAB SHAH ALAM KHAN COLLEGE OF ENGG & TECH | | | |
|---|---|---|---|
| NEW MALAKPET HYDERABAD-24 | | | |
| **Department of CIVIL Engineering** | | | |
| B.Tech(CIVIL) III$^{nd}$ Year Semester-I 2019-2020 | | | |
| TEACHING PLAN | | | |
| Subject: WRE-1 Faculty Name: | | | |
| **S. No.** | **Date** | **Topic** | **Total No. of Periods** |
| | | | |
| 1 | | **UNIT-I** | |
| 2 | 16/7/2019 | **Introduction** | 2 |
| 3 | 17/7/2019 | Introduction to engineering hydrology and its applications | 2 |
| 4 | 18/7/2019 | Hydrologic cycle, types and forms of precipitation. rainfall measurement, types of rain gauges, computation of average rainfall over a basin | 2 |
| 5 | 23/7/2019 | Processing of rainfall data - Adjustment of record - Rainfall Double Mass Curve. Runoff- Factors affecting Runoff - Runoff over a Catchment - Empirical and Rational Formulae. | 2 |
| 6 | 24/7/2019 | Abstraction from rainfall-evaporation, factors affecting evaporation, measurement of evaporation | 2 |
| 7 | 25/7/2019 | Evapotranspiration- Penman and Blaney & Criddle Methods | 2 |
| 8 | 30/7/2019 | Infiltration, factors affecting infiltration, measurement of infiltration, | 2 |
| 9 | 31/7/2019 | Infiltration indices. | 2 |
| 10 | 1/8/2019 | Introduction | 2 |

| | | | |
|---|---|---|---|
| | | **UNIT-II** | |
| 11 | 2/8/2019 | Distribution of Runoff - Hydrograph Analysis Flood Hydrography | 2 |
| 12 | 6/8/2019 | Effective Rainfall - Base Flow - Base Flow Separation | 2 |
| 13 | 7/8/2019 | - Direct Runoff Hydrograph | 2 |
| 14 | 8/8/2019 | - Unit Hydrograph, definition, | 2 |
| 15 | 13/8/2019 | limitations of applications of Unit hydrograph, | 2 |
| 16 | 14/8/2019 | limitations of applications of Unit hydrograph, | 2 |
| 17 | 15/8/2019 | derivation of Unit Hydrograph from Direct Runoff Hydrograph and vice versa | 2 |
| 18 | 20/8/2019 | | 2 |
| 19 | 21/8/2019 | derivation of Unit Hydrograph from Direct Runoff Hydrograph and vice versa | 2 |
| 20 | 22/8/2019 | S-hydrograph, | 2 |
| 21 | 27/8/2019 | Synthetic Unit Hydrograph | 2 |
| 22 | 28/8/2019 | s-curve | 2 |
| 23 | 29/8/2019 | **UNIT-III** | |
| | | Introduction | |
| 24 | 3/9/2019 | Ground water Occurrence | 2 |
| 25 | 4/9/2019 | types of aquifers, aquifer parameters | 2 |
| 26 | 5/9/2019 | porosity, specific yield, permeability | 2 |
| 27 | 10/92019 | transmissivity | 2 |
| 28 | 11/9/2019 | radial flow to wells in confined and unconfined aquifers | 2 |
| 29 | 12/9/2019 | Types of well's, | 2 |
| 30 | 17/9/2019 | Well Construction | 2 |

| | | | |
|---|---|---|---|
| 31 | 18/9/2019 | storage coefficient | 2 |
| 32 | 19/9/2019 | Darcy's law | 2 |
| 33 | 24/9/2019 | Well Development | 2 |
| | | **UNIT-IV** | |
| 34 | 25/9/2019 | Necessity and Importance of Irrigation | 2 |
| 35 | 26/9/2019 | advantages and ill effects of irrigation, types of Irrigation, methods of application of Irrigation water | 2 |
| 36 | 1/10/2019 | Indian agricultural soils, methods of improving soil fertility - Crop Rotation, preparation of land for Irrigation, standards of quality for Irrigation water | 2 |
| 37 | 2/10/2019 | Soil-water-plant relationship, vertical distribution of soil moisture, soil moisture constants, | 2 |
| 38 | 3/10/2019 | soil moisture tension, consumptive use | 1 |
| 39 | 8/9/2019 | Duty and delta | 1 |
| 40 | 9/9/2019 | factors affecting duty | 1 |
| 41 | 10/9/2019 | Design discharge for a water course | 1 |
| 42 | 15/10/2019 | Depth and frequency of Irrigation | 1 |
| 43 | 16/10/2019 | irrigation Efficiencies-Water Logging | 1 |
| | | **UNIT-V** | |
| 44 | 17/10/2019 | Classification of canals | 1 |
| 45 | 22/10/2019 | Design of Irrigation canals by Kennedy's and Lacey's theories, | 1 |
| 46 | 23/10/2019 | balancing depth of cutting | 1 |
| 47 | 24/10/2019 | IS standard for a canal design canal lining. | 1 |

**SUGGESTED TEXTBOOK:**

WATER RESOURCE ENGINEERING-1-Vol I & Vol II by BC PUNMIA, Khanna Publications, New Delhi.

GUIDELINES: Distribution of periods:

| | |
|---|---|
| No. of classes required to cover JNTUH syllabus | : 80 |
| No. of classes required to cover Additional topics | : Nil |
| No. of classes required to cover Assignment tests (for every 2 units 1 test) | : 4 |
| No. of classes required to cover tutorials | : 2 |
| No. of classes required to cover Mid tests | : 2 |
| No of classes required to solve University Question papers | : 2 |
| Total periods | : 80 |

Sample of Lesson Plan

**COURSE FILE CONTENTS**

| S.No | Topic | Page. No. |
|---|---|---|

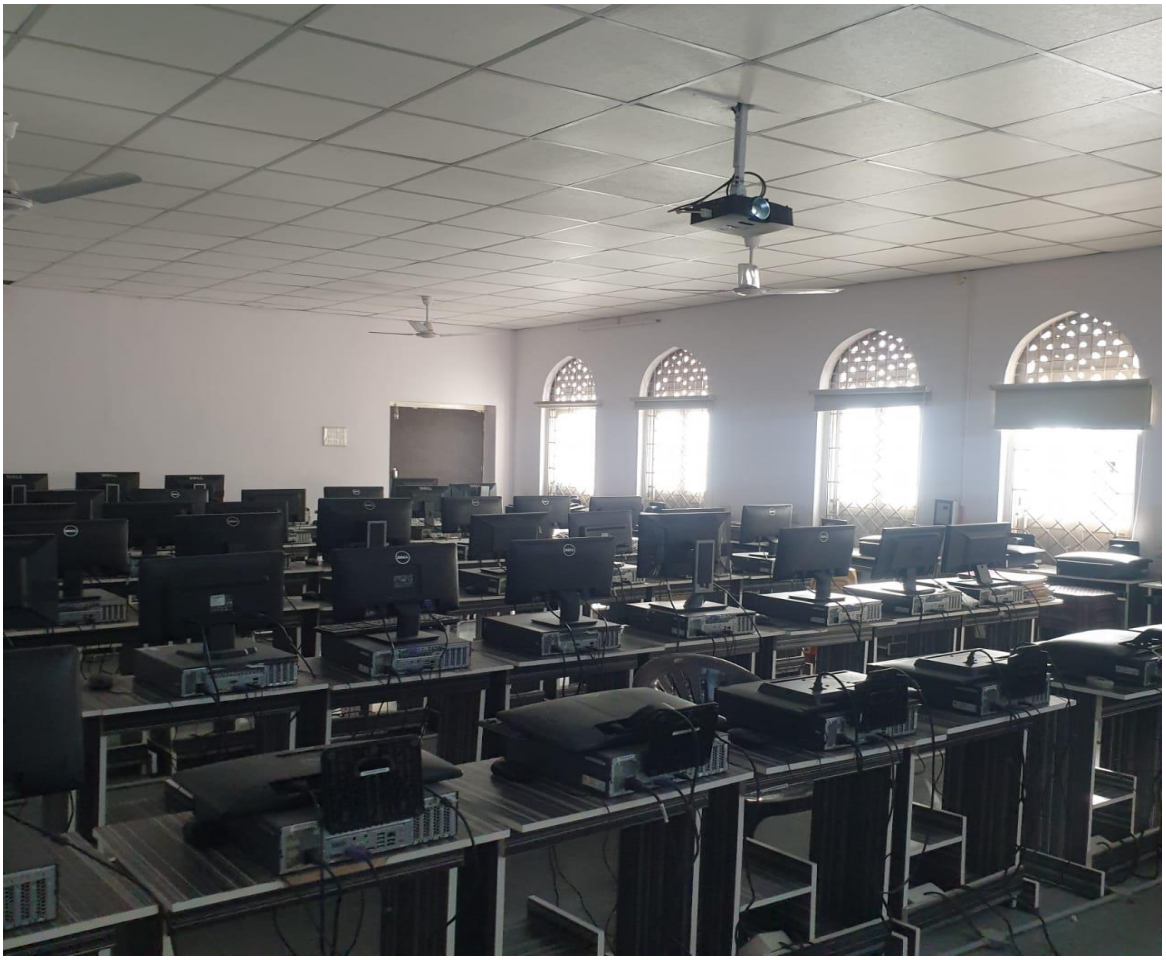
| | | |
|---|---|---|
| **1** | Cover Page | |
| **2** | Syllabus copy | |
| **3** | Vision Mission of the Institutes | |
| **4** | Vision Mission of the Department | |
| **5** | PEOs and Pos | |
| **6** | Course objectives and outcomes | |
| **7** | Course mapping with POs | |
| **8** | Prerequisites if any | |
| **9** | Class Time Table | |
| **10** | Individual Time Table | |
| **11** | Lecture schedule with methodology being used/adopted | |
| **12** | Lesson Schedule | |
| **13** | Detailed notes | |
| **14** | Additional topics | |
| **15** | University Question papers of previous years | |
| **16** | Question Bank | |
| **17** | Assignment Questions | |
| **18** | Unit wise Quiz Questions and long answer questions | |
| **19** | Tutorial problems | |
| **20** | Known gaps, if any and inclusion of the same in lecture schedule | |
| **21** | Discussion topics, if any | |
| **22** | References, Journals, websites and E-links if any | |
| **23** | Attainments | |
| **24** | students list with slow learner and advance learners | |

Sample of Course File

**B Use of Various instructional methods and pedagogical initiatives:**

- Lecture method and Interactive learning: The faculty use chalk and board and audio-visual aids in teaching. Students are also encouraged to actually interact during the lecture hour by getting the doubts clarified on the spot.
- Project-based learning: During the Survey Camp in 6th semester and project work in 8th semester, many real time projects are given to the students and they are guided by both faculty and Industry/Research personnel.
- Computer-assisted learning: The Department has required number of computers, printers, LCD projectors, application software's and system software's with wifi connections. These are effectively used for teaching. Many final year projects are completed through the use of above said resources.
- SMART class Room
- Our Department encourages guest lecturers to motivate the Students and also improve the thinking knowledge related to the current trends in technology.
- Quizzes A quiz can function throughout a course as an informative feedback device allowing both the instructor and the Students to see where they are excelling or need more focus. In order to effectively create Exams and quizze**s**, it is important to establish and understand the learning objectives that are being measured.
- Soft Skill Class Understanding the need of one's personality enables an individual to act more genuinely and effectively in a team environment. Students are encouraged to deliver presentations in the class which help them to develop ability to gather information, make decisions and interact with others. Soft skills classes empower Students with confidence, boldness, expressiveness etc. Also, the Students' personality is developed overall.

- We have organized a workshop "Recent Trends in Civil Engineering" on 10th - 11thSeptember 2018. This workshop will provide the latest trends emerging in the infrastructure related projects in the arena of Civil Engineering. The main objective of the workshop is to give insight to the students about the recent trends, development and research in Civil Engineering.



SAMPLE OF LCD COMPUTER CLASSROOM



SAMPLE OF BLACK BOARD CLASS ROOM

rom: <onlinecourses@nptel.iitm.ac.in>
Date: Fri, 13 Aug 2021, 11:55 am
Subject: Welcome to NPTEL Online Course : Reinforced Concrete Road Bridges
To: <aslambinnaser47@gmail.com>

Dear Learner

Welcome to SWAYAM-NPTEL Online Courses and Certification!

Thank you for signing up for our online course **"Reinforced Concrete Road Bridges"**. We wish you an enjoyable and informative learning experience.

**Details regarding the course:**
**Name of the course:** Reinforced Concrete Road Bridges
**Course url:** https://onlinecourses.nptel.ac.in/noc21_ce43/preview
**Course duration :** 4 weeks

The course will begin on **23 August 2021** When content is released on the portal, you will get an email alerting you.

**CONTENT AND ASSIGNMENTS**

Every week, about 2.5 to 4 hours of videos containing content by the Course instructor will be released along with an assignment based on this. Please watch the lectures, follow the course regularly and submit all assessments and assignments before the due date. Your regular participation is vital for learning and doing well in the course. This will be done week on week through the duration of the course.
Please do the assignments yourself and even if you take help, kindly try to learn from it. These assignment will help you prepare for the final exams. Plagiarism and violating the Honor code will be taken very seriously if detected during the submission of assignments.

**ANNOUNCEMENT AND DISCUSSION GROUPS TO CLEAR DOUBTS:**

The announcement group - will only have messages from course instructors and teaching assistants - regarding the lessons, assignments, exam registration, hall tickets etc.
The discussion forum (Ask a question tab on the portal) - is for everyone to ask questions and interact.Anyone who knows the answers can reply to anyone's post and the course instructor/TA will also respond to your queries. Please make maximum use of this feature as this will help you learn much better.
If you have any questions regarding the exam, registration, hall tickets, results, queries related to the technical content in the lectures, any doubts in the assignments, etc can be posted in the forum section

**TO GET A CERTIFICATE - PROCESS AND CRITERIA:**
The course is free to enroll and learn from. But if you want a certificate, you have to register and write the proctored exam conducted by us in person at any of the designated exam centres.
The exam is optional for a fee of Rs 1000/- (Rupees one thousand only).
Date and Time of Exams: **23 October 2021** Morning session 9am to 12 noon; Afternoon Session 2pm to 5pm.
Registration url: Announcements will be made when the registration form is open for registrations.
The online registration form has to be filled and the certification exam fee needs to be paid. More details will be made available when the exam registration form is published. If there are any changes, it will be mentioned then.
Please check the form for more details on the cities where the exams will be held, the conditions you agree to when you fill the form etc.

**CRITERIA TO GET A CERTIFICATE**

Average assignment score = 25% of average of best 3 assignments out of the total 4 assignments given in the course.
Exam score = 75% of the proctored certification exam score out of 100

Final score = Average assignment score + Exam score

**YOU WILL BE ELIGIBLE FOR A CERTIFICATE ONLY IF AVERAGE ASSIGNMENT SCORE >=10/25 AND EXAM SCORE >= 30/75. If one of the 2 criteria is not met, you will not get the certificate even if the Final score >= 40/100.**

Certificate will have your name, photograph and the score in the final exam with the breakup.It will have the logos of NPTEL and IIT Kharagpur .It will be e-verifiable at nptel.ac.in/noc.

Only the e-certificate will be made available. Hard copies will not be dispatched.

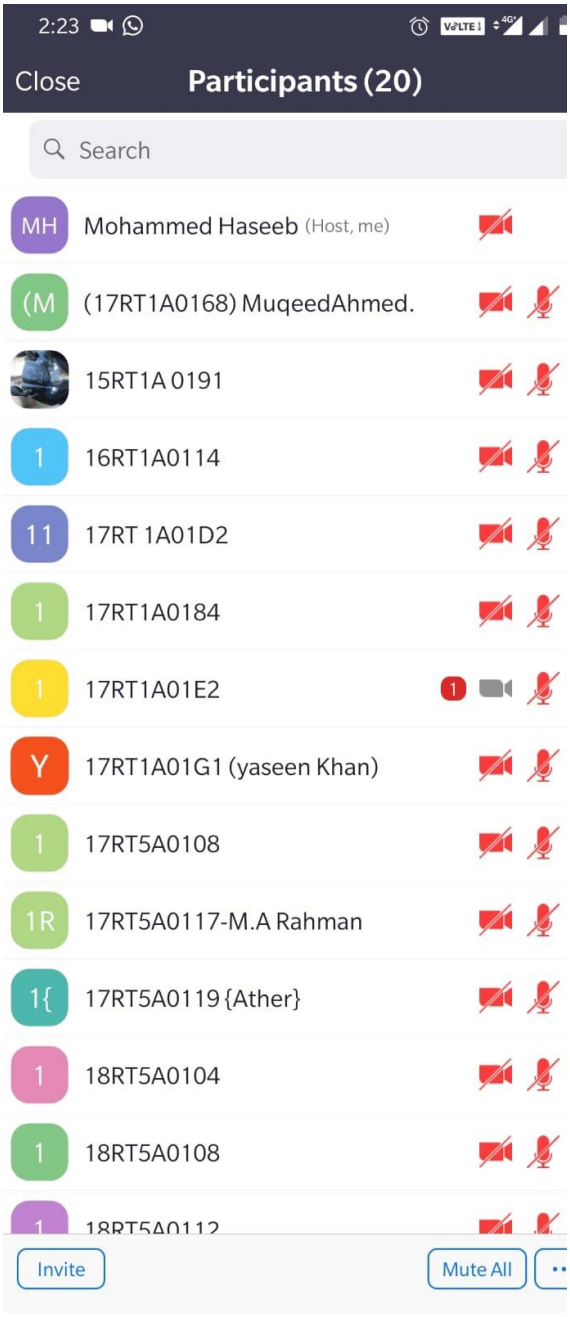
Once again, thanks for your interest in our online courses and certification. Happy learning.

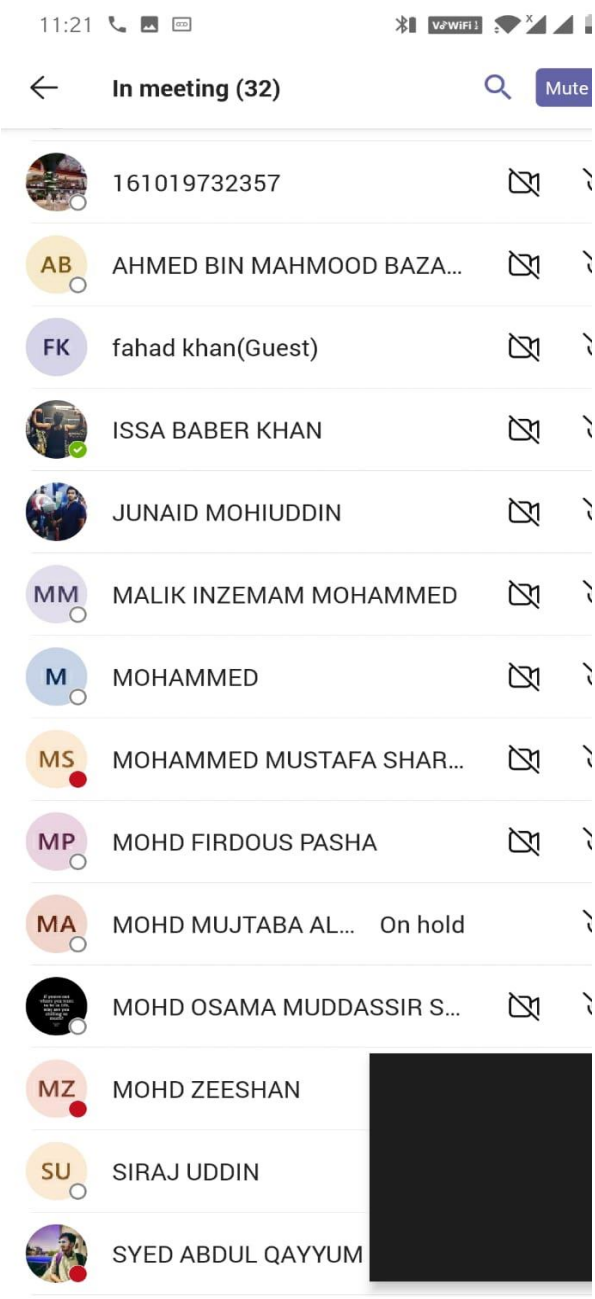




- NPTEL team

SAMPLE OF NPTEL CLASS ATTENDED BY THE STUDENT




SAMPLE OF ONLINE CLASSES CONDUCTED THROUGH ONLINE APPS (ZOOM/MS TEAMS)



Workshop conducted




Workshop conducted




Seminar conducted




Sample of Seminar conducted by civil engineering department

- 

Sample of guest lecture

**C. Methodologies to Support Weak Students and Encourage Bright Student**

**Methodology to support weak Students:** The Department has a well-defined process of monitoring, guiding and assisting slow learners (weak Students). Teachers attempt to enhance the performance of weak Students as follows:

- Care is taken by the faculty in monitoring the performance of slow learners, the Students deviations from studies is observed by the respective section class teacher and corrective measures are suggested.
- The faculty also goes a step ahead and have periodic interaction with the parents about the performance of slow learners.
- A blended motivation and responsibility from both parents and faculty will create a positive mindset and will help to overcome the inabilities and hurdles faced by the slow learners.
- Every parent is informed about the Marks and the Attendance.
- Regular counseling and providing moral support to them by counselor. For each counselor around 20 Students are allotted for counseling.
- Additional coaching is given to slow learners through Remedial classes.
- Tutorial classes are conducted by the faculty for those Students who have failed in any subject.
- Students are counseled for regular attendance.

## INITIATIVES TAKEN TO IMPROVE THE PERFORMANCE OF WEAK-STUDENTS

The following efforts were taken to improve the quality of weak students:

1. Basics of the subjects were cleared through remedial classes.
2. Notes on important topics were provided.
3. Theoretical portions were explained through presentations.

**Guidelines for slow learner (Weak Students):**

- The connotation of academically slow learner (Weak Students) means those who could not keep pace with the classroom teaching need extra attention so as to bring such students on par with the rest of the students of the class.
- Slow learners are identified based on their performance in of internal examinations.

**Measures taken for improving academic performance of these students**

(i) Remedial/Extra classes are conducted with appropriate focus on the subject/topic codes in which the students are found to be slow learners

(ii) Individual academic counseling is done by concerned subject teacher.

(iii) Student helpdesk.

(iv) Students study groups are formed for peer-to-peer learning.

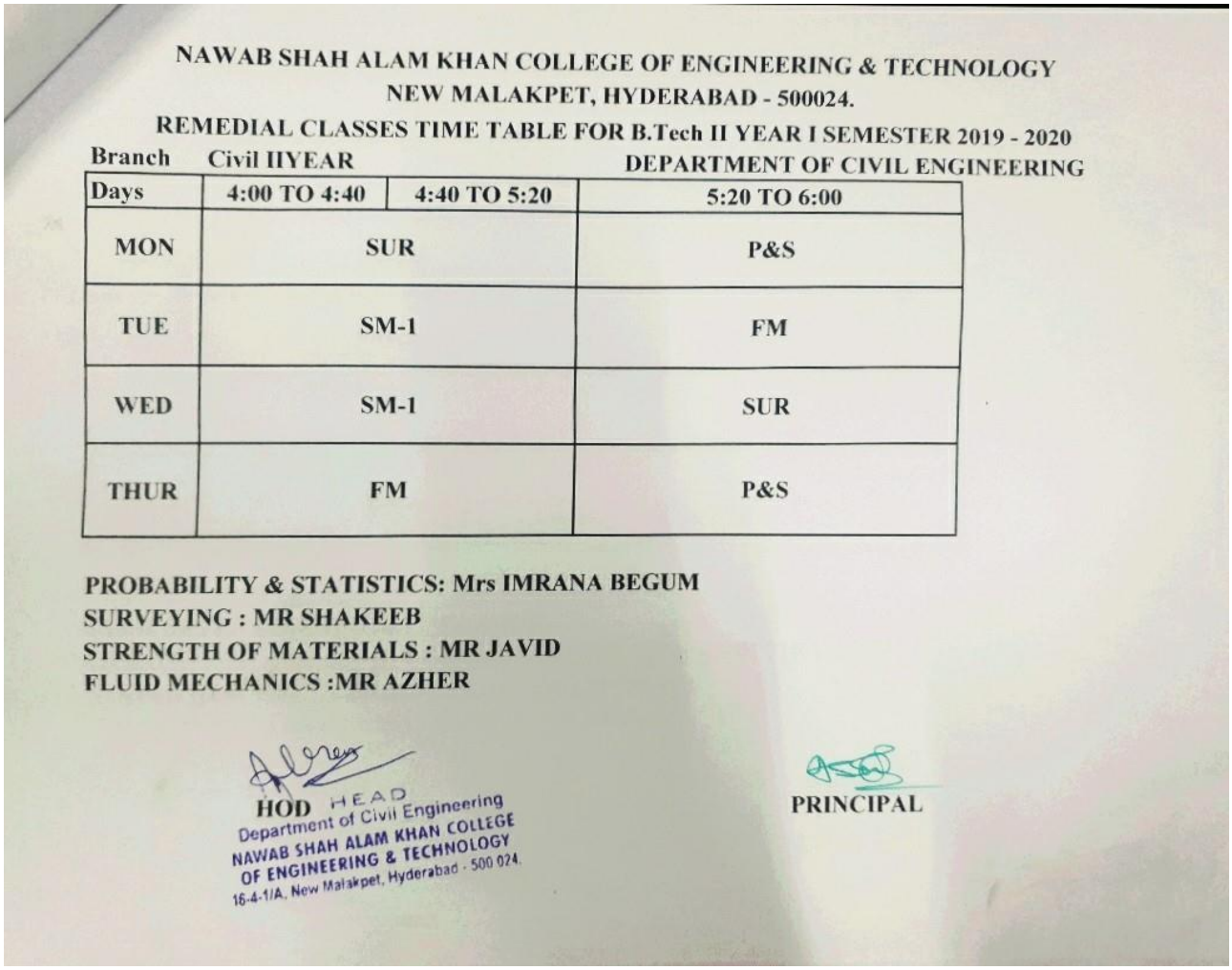
(v) Personal counseling is done through mentoring (Teacher guardian) scheme which takes care of the student's mentors maintain the entire academic record of the student which is also conveyed to the parent's time to time by the teacher guardian. Slow learners are counseled and motivated by the mentors.

**NAWAB SHAH ALAM KHAN COLLEGE OF ENGINEERING & TECHNOLOGY**
**NEW MALAKPET HYDERABAD 500 024**
**I B.TECH I SEM STUDENT NAME LIST (A.Y. 2018-19)**
**SLOW LEARNERS/WEAK STUDENTS**

| S.NO | H.T NO | Name of the student (CIVIL DEPARTMENT) |
|---|---|---|
| 1 | 17RT1A0102 | ABDUL WAHID |
| 2 | 17RT1A0120 | JABER BIN OSMAN |
| 3 | 17RT1A01C2 | SYED BIN AHMED |
| 4 | 17RT1A01F2 | SYED OMER YAMEEN |
| 5 | 18RT1A0101 | ABDUL AZIZ |
| 6 | 18RT1A0105 | ABDUL WASAY |
| 7 | 18RT1A0109 | ARFATH SIDDIQUE |
| 8 | 18RT1A0111 | FAHEEM ULLAH KHAN |
| 9 | 18RT1A0113 | GULAM MOZZAM, GULAMHABEEB |
| 10 | 18RT1A0115 | KASIM MOHD BASEER AJAZ |
| 11 | 18RT1A0117 | KHAJA AZIZUDDIN |
| 12 | 18RT1A0120 | MD KHAKA NAWAZ PASHA, MOHD ISMAIL |
| 13 | 18RT1A0123 | MIR MOHD ALI |
| 14 | 18RT1A0125 | MIRZA MURTUZA HUSSAIN, MIRZA EHSAN ALI |
| 15 | 18RT1A0128 | MOHAMMAD ABDUL MUQTADIR |
| 16 | 18RT1A0129 | MOHAMMAD IMRAN |

| | | |
|---|---|---|
| 17 | 18RT1A0131 | MOHAMMED AMMAR, MOHD ALEEM |
| 18 | 18RT1A0135 | MOHAMMED SHOIB RAZA, MOHD HYDER |
| 19 | 18RT1A0143 | MOHD ABDUL RASHEED, MOHD ABDUL MANNAN |
| 20 | 18RT1A0144 | MOHD ABDUL SHAHED UL HAAQ |
| 21 | 18RT1A0145 | MOHD ABDUL ZAHIR |
| 22 | 18RT1A0149 | MOHD AHMED |
| 23 | 18RT1A0150 | MOHD AHMED RAZA |
| 24 | 18RT1A0153 | MOHD AIYAZ JUNAID |
| 25 | 18RT1A0154 | MOHD AKBAR |
| 26 | 18RT1A0156 | MOHD ASIM UZ ZAMA |
| 27 | 18RT1A0157 | MOHD AZEEMUDDIN AWAIS, QUTUBUDDIN RIAZ |
| 28 | 18RT1A0163 | MOHD INZEMAM UR RAHMAN |
| 29 | 18RT1A0166 | MOHD KHAJA AKRAM MOHIUDDIN |
| 30 | 18RT1A0167 | MOHD KHALEELULLAH |
| 31 | 18RT1A0168 | MOHD MAAZ UDDIN |
| 32 | 18RT1A0170 | MOHD MERAJ KHAN |
| 33 | 18RT1A0171 | MOHD MURTAZA RAZA |
| 34 | 18RT1A0173 | MOHD RAFIUDDIN |
| 35 | 18RT1A0176 | MOHD SHOAIB |
| 36 | 18RT1A0177 | MOHD SHOAINB MOHIUDDIN |
| 37 | 18RT1A0178 | MOHD SHOEB ADNAN |
| 38 | 18RT1A0179 | MOHD SOHAIL |
| 39 | 18RT1A0185 | SAIF ALI KHAN, MAZHER ALI KHAN |
| 40 | 18RT1A0186 | SAMEER AHMED MOHAMMED, SALEEM AHMED MOHD |
| 41 | 18RT1A0189 | SHAIK FAHAD |
| 42 | 18RT1A0191 | SHAIK MOHD AKIF |
| 43 | 18RT1A0193 | SHAIK MOHD MUJAHED, MAHBOOB ALI ELIAS |
| 44 | 18RT1A0196 | ARQAM, SHAIK MOINUDDIN SIDDIQUI |
| 45 | 18RT1A0197 | SYED ABDUL QASIM ABEDI, SYED HASSAN ABBAS ABEDI |
| 46 | 18RT1A01A4 | SYED MISAQ UDDIN AZIZ |
| 47 | 18RT1A01A8 | SYED MUSHTAQ AHMED |
| 48 | 18RT1A01B0 | SYED YASER ALI |
| 49 | 18RT1A01B1 | WAHAJ UDDIN AHMED KHAN |
| 50 | 18RT1A01B3 | ZAINUDDIN MOHD ABDULLAH |

**Remedial classes schedule:**



NAWAB SHAH ALAM KHAN COLLEGE OF ENGINEERING & TECHNOLOGY
NEW MALAKPET, HYDERABAD - 500024.

REMEDIAL CLASSES TIME TABLE FOR B.Tech II YEAR I SEMESTER 2019 - 2020

Branch Civil IIYEAR DEPARTMENT OF CIVIL ENGINEERING

| Days | 4:00 TO 4:40 | 4:40 TO 5:20 | 5:20 TO 6:00 |
|---|---|---|---|
| MON | SUR | | P&S |
| TUE | SM-1 | | FM |
| WED | SM-1 | | SUR |
| THUR | FM | | P&S |

PROBABILITY & STATISTICS: Mrs IMRANA BEGUM
SURVEYING : MR SHAKEEB
STRENGTH OF MATERIALS : MR JAVID
FLUID MECHANICS :MR AZHER

HOD HEAD
Department of Civil Engineering
NAWAB SHAH ALAM KHAN COLLEGE
OF ENGINEERING & TECHNOLOGY
16-4-1/A, New Malakpet, Hyderabad - 500 024.

PRINCIPAL

**Sample of remedial classes time table**

NAWAB SHAH ALAM KHAN COLLEGE OF ENGINEERING & TECHNOLOGY
NEW MALAKPET, HYDERABAD - 500024.
REMEDIAL CLASSES TIME TABLE FOR B.Tech III YEAR I SEMESTER 2019 - 2020
Branch Civil IIIYEAR DEPARTMENT OF CIVIL ENGINEERING

| Days | 4:00 TO 4:40 | 4:40 TO 5:20 | 5:20 TO 6:00 |
|---|---|---|---|
| MON | DRCS | | WRE |
| TUE | DRCS | | CT |
| WED | CT | | WRE |
| THUR | WRE | | EE |

CONCRETE TECHNOLOGY:MR.AQUIL
DESIGN OF REINFORCED CONCRETE STRUCTURES:MR.FIRASATH
WATER RESOURCES ENGINEERING :MR.MUJAMIL
ENVIRONMENTAL ENGINEERING :MS.MANGA

HOD
Department of Civil Engineering
NAWAB SHAH ALAM KHAN COLLEGE OF ENGINEERING & TECHNOLOGY
16-4-1/A, New Malakpet, Hyderabad - 500 024.

PRINCIPAL

NAWAB SHAH ALAM KHAN COLLEGE OF ENGINEERING & TECHNOLOGY
NEW MALAKPET, HYDERABAD - 500024.
REMEDIAL CLASSES TIME TABLE FOR B.Tech IV YEAR I SEMESTER 2019 - 2020
Branch Civil IVYEAR DEPARTMENT OF CIVIL ENGINEERING

| Days | 4:00 TO 4:40 | 4:40 TO 5:20 | 5:20 TO 6:00 |
|---|---|---|---|
| MON | RRS | | E&C |
| TUE | WSM | | E&C |
| WED | TE | | WSM |
| THUR | HIS | | - |

E&C : MR IMTIYAZ
WSM : MR HASEEB
RRS: MR SHAKEEB
TE : MR SHOEB
IHS : MR TOUFEEQ

HOD
Department of Civil Engineering
NAWAB SHAH ALAM KHAN COLLEGE OF ENGINEERING & TECHNOLOGY
16-4-1/A, New Malakpet, Hyderabad - 500 024.

PRINCIPAL

**Sample of remedial classes time table**

**Methodology to support bright student:**

- The bright Students are identified based on their overall performance and their orientation towards Academics.
- The Civil engineering Department always has the culture of encouraging bright Students by providing them necessary guidance and moral support.
- Encouraging them to score good percentile in their final Examination by providing special and challenging assignments.
- Encouraging them to participate in seminars/conferences in different institutes.
- Encouraging them to participate in state and national levels quiz and debate competitions.
- Students are encouraged to present their ideas in Workshops, Seminars, and Competitive Exams and also in various events.
- Encouraging them to guide their weak classmates. Teaching others make them more perfect.

**Impact analysis:**
**The following are the positive outcomes observed after adopting the above mentioned Innovative Teaching Learning Process (TLP):**

- Improved attendance of Students for every class.
- Improved Pass Percentage.
- Achieving awards and rewards for their participation in and outside the campus.
- New view points and new project ideas are derived in class.
- Better bondage between Students and faculty.
- Appreciation from the parents.

**Quality of Class room Teaching**

- Faculty maintains Teaching plan, Tutorial classes list, Teaching notes, Attendance registers, Teaching diaries relative to their subject.
- Duration of each Theory Session is 50 minutes, Laboratory session is 3 Hrs.
- The faculty of Department adopts various innovative Teaching & Learning methodologies to create the best learning environment for Students.

- Lectures are delivered to Students as per Teaching plan.
- Faculty provides brief summary of last class before the start of new topic.
- Computers are used for teaching purposes and internet facility is available to Students and faculty.
- Faculty members are taking advantage of sources like National Program on Technology Enhanced Learning (NPTEL), internet sources for effective teaching.

## Guidelines for identifying Advanced Learners (bright students):

- Advanced Learners (bright students) are those students who are ahead on the learning curve and require advanced technical know-how.

- Advanced earners are identified based on the performance in University Examination of previous semester and internal examinations.

| II B. TECH I SEM ADVANCED LEARNER/BRIGHT STUDENTS NAME LIST (A.Y. 2019-2020) | |
|---|---|
| **ROLL NUMBER** | **MARKS OBTAINED** |
| 18RT1A0164 | 22 |
| 18RT1A0169 | 18 |
| 18RT1A0170 | 12 |
| 18RT1A0171 | 22 |
| 18RT1A0172 | 15 |
| 18RT1A0174 | 18 |
| 18RT1A0175 | 18 |
| 18RT1A0176 | 18 |
| 18RT1A0179 | 23 |
| 18RT1A0180 | 22 |
| 18RT1A0182 | 22 |
| 18RT1A0183 | 23 |
| 18RT1A0192 | 22 |
| 18RT1A0194 | 20 |
| 18RT1A0195 | 21 |
| 18RT1A01A5 | 20 |
| 18RT1A01A6 | 16 |
| 18RT1A01A7 | 20 |
| 18RT1A01B3 | 19 |
| 18RT1A01B4 | 17 |
| 19RT5A0101 | 15 |
| 19RT5A0102 | 15 |
| 19RT5A0103 | 22 |
| 19RT5A0104 | 16 |
| 19RT5A0106 | 23 |
| 19RT5A0107 | 17 |
| 19RT5A0108 | 22 |
| 19RT5A0109 | 21 |
| 19RT5A0110 | 19 |
| 19RT5A0111 | 16 |
| 19RT5A0112 | 21 |
| 19RT5A0113 | 19 |
| 19RT5A0114 | 18 |
| 19RT5A0115 | 18 |
| 19RT5A0116 | 18 |
| 19RT5A0118 | 22 |
| 19RT5A0119 | 22 |
| 19RT5A0120 | 18 |
| 19RT5A0121 | 15 |
| 19RT5A0122 | 19 |

| | |
|---|---|
| 19RT5A0123 | 18 |
| 19RT5A0125 | 18 |
| | |
| 19RT5A0126 | 17 |
| 19RT5A0127 | 22 |
| 19RT5A0128 | 18 |
| 19RT5A0129 | 19 |
| 19RT5A0130 | 18 |

Following Special activities are conducted for Advanced Learners:

i. Guiding for career planning.
ii. Discussion or seminar on the advanced topic
iii. Guiding and encouraging to communicate research papers in conferences/Journals
iv. Guiding the students for GATE/Competitive Examinations.
v. Training programs for gaining advanced technical know-how.
vi. Encouraging to participate in various symposiums like quiz, poster presentation, Conferences, inter institution competition etc.

**Conduct of Experiment (observation in Lab)**

- Course coordinator along with the faculty are involved in preparation of laboratory manual.
- The Civil Engineering Laboratories are conducted in duration of 3 hours with the faculty demonstrating the experiment which applied on practical field.
- Two faculty members and one instructor are assigned for each lab session. This guides the Students to understand and perform experiment easily.
- The Students perform the experiment and note the output of the program in the observation book.
- The performance of each student in the laboratory during the three hour laboratory session is evaluated for 10 Marks.
- The executed experiment is documented by the Students in the record book and is evaluated for 5 Marks.
- Each student prepares a lab Record which is assessed by the teacher before commencement of the next practical.
- In each laboratory, the Students are trained to perform experiments on content beyond syllabus for better understanding/performance and to meet the industry requirements.
- The Internal Laboratory Exam is evaluated for 10 Marks.
- The total Internal Assessment is evaluated for **25 Marks** (Day to Day Performance **(10M)** + Record **(5M)** + Internal Exam **(10M)**).

As per the University, Curriculum stipulates a Minimum of 2 laboratory courses or a Maximum of 4 laboratory courses per semester from **I to VII** semester. As per the University guidelines 10 – 12 experiments are to be conducted. Students carry out more than the required number of experiments, beyond the minimum specified by the University.

# Nawab Shah Alam Khan
## COLLEGE OF ENGINEERING & TECHNOLOGY

Affiliated to OU I Approved by AICTE I Accredited by NAAC I Permitted by Govt. of TS I Included in 2F UGC I Registered with TASK I Cisco Networking Academy

## DEPARTMENT OF CIVIL ENGINEERING

**YEAR: II** **SEM: I** **BATCH: 1**

**LAB NAME** **DATE**

**LAB LOCATION** **LAB TIMING**

| SNO | ROLL NO | STUDENT NAME | EXPERIMENT NAME | SIGNATURE |
|---|---|---|---|---|
| 1 | 18RT1A0139 | MOHD ABDUL RAHEEM | Study of Physical Properties of minerals | |
| 2 | 18RT1A0140 | MOHAMMED ABDUL RAHEEM SIDDIQUI | 〃 | |
| 3 | 18RT1A0141 | MOHAMMED ABDUL RAHMAN | 〃 | |
| 4 | 18RT1A0142 | MOHD ABDUL RAHMAN | 〃 | |
| 5 | 18RT1A0143 | MOHD ABDUL RASHEED | 〃 | |
| 6 | 18RT1A0144 | MOHAMMED ABDUL SHAHED UL HAQ SUBHANI | 〃 | |
| 7 | 18RT1A0146 | MOHAMMED ABDULLAH | 〃 | |
| 8 | 18RT1A0147 | MOHAMMED AFROZ | 〃 | |
| 9 | 18RT1A0148 | MOHAMMED AFWAN MASI | 〃 | |
| 10 | 18RT1A0149 | MOHAMMED AHMED | 〃 | |
| 11 | 18RT1A0151 | M D AHSAN WAHEED | 〃 | |
| 12 | 18RT1A0152 | MOHAMMED AIJAZ ALI | 〃 | |
| 13 | 18RT1A0154 | MOHAMMED AKBER | 〃 | |
| 14 | 18RT1A0158 | MOHAMMED FAREED | 〃 | |
| 15 | 18RT1A0159 | MD FIRASATH AHMED | 〃 | |
| 16 | 18RT1A0161 | MOHAMMED IMADUDDIN HUSSAIN | 〃 | |
| 17 | 18RT1A0164 | MOHAMMED KAIF AHMED | 〃 | |
| 18 | 18RT1A0169 | MOHD MAJID ALI KHAN | 〃 | |
| 19 | 18RT1A0170 | MOHD MERAJ KHAN | 〃 | |
| 20 | 18RT1A0171 | MD MURTAZA RAZA | 〃 | |
| 21 | 18RT1A0172 | MOHAMMED MUSTAFA FAROOQUI | 〃 | |
| 22 | 18RT1A0174 | MOHD RAHMATH UDDIN | 〃 | |
| 23 | 19RT5A0122 | MOHAMMED AMAAN | 〃 | |
| 24 | 19RT5A0123 | MOHAMMED ANSAR | 〃 | |
| 25 | 19RT5A0124 | MOHAMMED ARBAZ | 〃 | |
| 26 | 19RT5A0125 | MOHAMMED SAMEER | 〃 | |

Students Attendance Sheet of lab

**Continuous Assessment in the Laboratory**

| SNo | Day to Day Performance | Record Assessment | Internal lab Examination | Total |
|---|---|---|---|---|
| 1 | 10 | 5 | 10 | 25 |

**Student Feedback of Teaching Learning process and actions taken**

Student feedback is collected twice in a semester. Students fills a feedback-form apprising the faculty using a scale of 1 (low) through 4 (high) which helps in continuously monitoring and improving Teaching Learning Process.

Dear student,
Please rate the teaching quality of each of ten criteria by marking 5,4,3,2,1 by marking in the rectangular box given below
Please note: 5. Excellent/Outstanding 4. Very Good 3. Good 2. Average 1. Bad/Poor

**NAWAB SHAH ALAM KHAN COLLEGE OF ENGINEERING & TECHNOLOGY**

(Approved by AICTE-New Delhi, Affiliated to OU, JNTUH Hyderabad)

*New Malakpet, Hyderabad 5000024*

**CIVIL ENGINEERING DEPARTMENT**

Dear student,

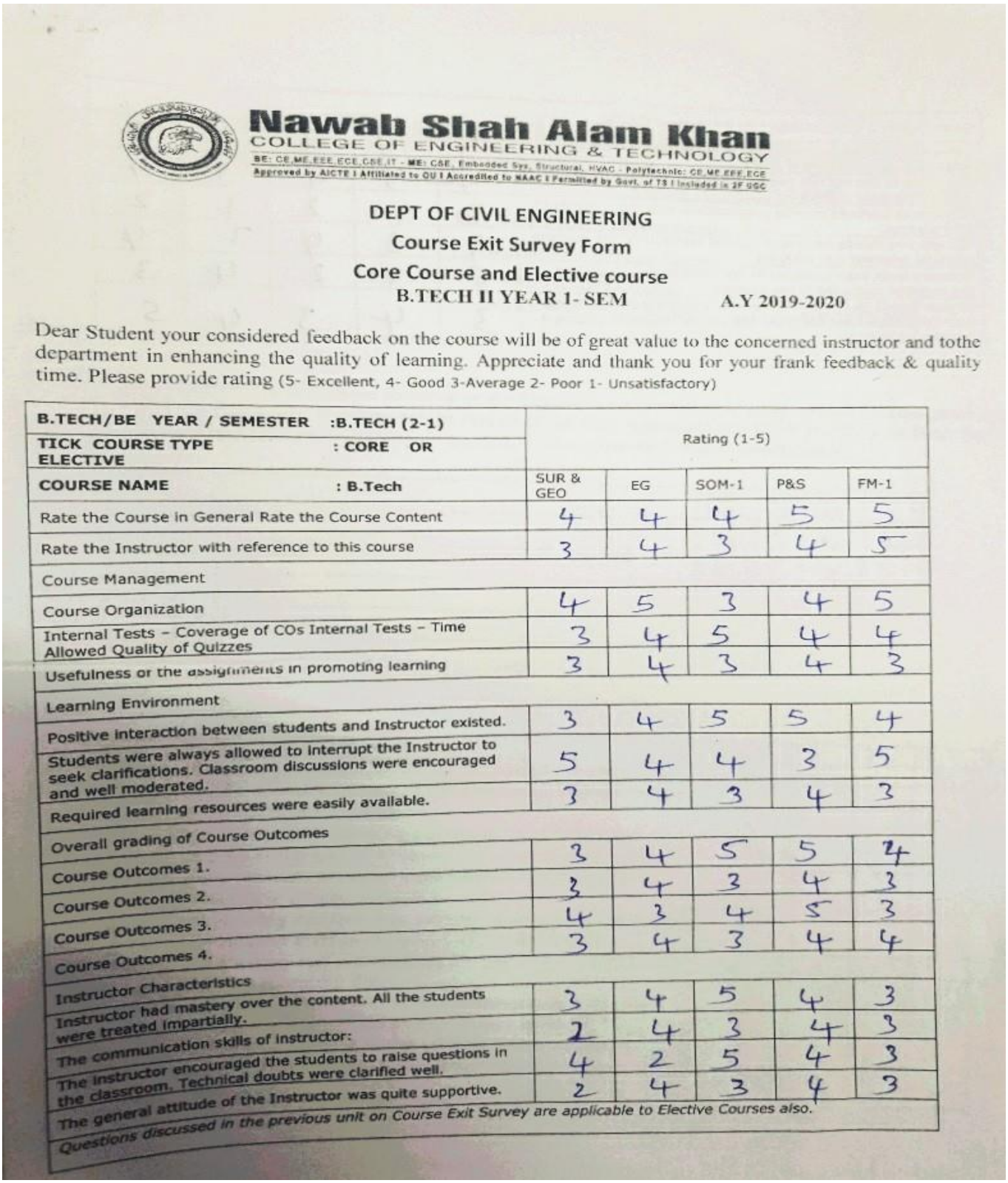
Please rate the teaching quality of each of ten criterias by marking 5,4,3,2,1 by marking in the rectangular box given below

Please note: 5.Excellent/Outstanding 4. Very Good 3. Good 2. Average 1.Bad/Poor

| COURSE | B.E | YEAR | I | SEMESTER | I | SEC | A,B | DATE |
|---|---|---|---|---|---|---|---|---|

| S.NO | | M-1 | CHEM | PPS | ES | CHEM LAB | PPS LAB | WP |
|---|---|---|---|---|---|---|---|---|
| 1. | Subject Knowledge | 3 | 4 | 3 | 3 | 4 | 4 | 4 |
| 2. | Ability to teach in a clear and understanding manner. | 3 | 2 | 2 | 2 | 4 | 4 | 4 |
| 3. | Starting and Ending class on time. | 3 | 3 | 3 | 3 | 4 | 4 | 4 |
| 4. | Syllabus Coverage | 4 | 3 | 4 | 4 | 4 | 4 | 4 |
| 5. | Solving/Explaining of Important Previous questions in class. | 4 | 4 | 4 | 2 | 3 | 5 | 4 |
| 6. | Doubt Clarification | 3 | 2 | 4 | 4 | 3 | 5 | 5 |
| 7. | Homeworks/Assignments | 3 | 2 | 4 | 3 | 5 | 4 | 4 |
| 8. | Language used for Explanation | 3 | 2 | 4 | 3 | 5 | 5 | 4 |
| 9. | Behavior with students | 4 | 2 | 4 | 5 | 5 | 4 | 4 |
| 10. | If any other thing please specify | - | - | - | - | - | - | - |

The Sample of Teaching- Learning Feedback Form



**Nawab Shah Alam Khan**
COLLEGE OF ENGINEERING & TECHNOLOGY
BE: CE,ME,EEE,ECE,CSE,IT - ME: CSE, Embedded Sys, Structural, HVAC - Polytechnic: CE,ME,EEE,ECE
Approved by AICTE I Affiliated to OU I Accredited to NAAC I Permitted by Govt. of TS I Included in 2F UGC

## DEPT OF CIVIL ENGINEERING

### Course Exit Survey Form

### Core Course and Elective course

**B.TECH II YEAR 1- SEM** **A.Y 2019-2020**

Dear Student your considered feedback on the course will be of great value to the concerned instructor and tothe department in enhancing the quality of learning. Appreciate and thank you for your frank feedback & quality time. Please provide rating (5- Excellent, 4- Good 3-Average 2- Poor 1- Unsatisfactory)

| **B.TECH/BE YEAR / SEMESTER :B.TECH (2-1)**<br>**TICK COURSE TYPE : CORE OR ELECTIVE** | Rating (1-5) | | | | |
|---|---|---|---|---|---|
| **COURSE NAME : B.Tech** | SUR & GEO | EG | SOM-1 | P&S | FM-1 |
| Rate the Course in General Rate the Course Content | 4 | 4 | 4 | 5 | 5 |
| Rate the Instructor with reference to this course | 3 | 4 | 3 | 4 | 5 |
| Course Management | | | | | |
| Course Organization | 4 | 5 | 3 | 4 | 5 |
| Internal Tests – Coverage of COs Internal Tests – Time Allowed Quality of Quizzes | 3 | 4 | 5 | 4 | 4 |
| Usefulness of the assignments in promoting learning | 3 | 4 | 3 | 4 | 3 |
| Learning Environment | | | | | |
| Positive interaction between students and Instructor existed. | 3 | 4 | 5 | 5 | 4 |
| Students were always allowed to interrupt the Instructor to seek clarifications. Classroom discussions were encouraged and well moderated. | 5 | 4 | 4 | 3 | 5 |
| Required learning resources were easily available. | 3 | 4 | 3 | 4 | 3 |
| Overall grading of Course Outcomes | | | | | |
| Course Outcomes 1. | 3 | 4 | 5 | 5 | 4 |
| Course Outcomes 2. | 3 | 4 | 3 | 4 | 3 |
| Course Outcomes 3. | 4 | 3 | 4 | 5 | 3 |
| Course Outcomes 4. | 3 | 4 | 3 | 4 | 4 |
| Instructor Characteristics | | | | | |
| Instructor had mastery over the content. All the students were treated impartially. | 3 | 4 | 5 | 4 | 3 |
| The communication skills of instructor: | 2 | 4 | 3 | 4 | 3 |
| The instructor encouraged the students to raise questions in the classroom. Technical doubts were clarified well. | 4 | 2 | 5 | 4 | 3 |
| The general attitude of the Instructor was quite supportive. | 2 | 4 | 3 | 4 | 3 |
| *Questions discussed in the previous unit on Course Exit Survey are applicable to Elective Courses also.* | | | | | |

The Sample Course exit survey Form

| Some typical additional issues for an Elective Course | | | | | |
|---|---|---|---|---|---|
| Semester in which it is offered is appropriate Course is relevant to the program of study | 4 | 4 | 3 | 4 | 3 |
| The value of the elective course would have been better if it had a laboratory component also | 4 | 3 | 4 | 3 | 4 |
| The course contents overlap substantially with the contents of core courses | 5 | 4 | 2 | 3 | 2 |
| The elective course deals with current technology The learning material provided was relevant | 4 | 3 | 4 | 3 | 4 |
| Relevant tools were available in the Laboratories to explore the material discussed in the course | 5 | 4 | 2 | 4 | 3 |
| Stream Based Electives: The stream is logically coherent and well-structured Open Elective: The course helped in getting a broader perspective | 3 | 4 | 3 | 4 | 5 |

The Sample Course exit survey Form

**Analysis of Student Feedback:**

- Counseling by the respective HOD for those faculty members who have secured low scores and negative comments, if any, in the feedback.
- This motivates them to improve their skills and abilities.
- If required training / orientation Programs are conducted by professional experts to master the skills of the faculty members in the nuances of teaching, thus improving the efficiency of teaching-learning process.

## 2.2.2 Quality of internal semester Question paper,Assignments and Evaluation.

A Process of internal question paper setting,evaluation and effective process implementation

- Subjective Tests Questions are framed as per the COs.
- The Department Examination Section monitors the smooth conduction of Subjective Test in the Department.

**Process of Subjective Test**

1. Two Subjective Tests are conducted per semester.
2. Each Subjective Test covers half of the syllabus i.e., 2.5 Units.
3. For every 4 weeks 1 Subjective Test is conducted.
4. For each subject, Assignment questions are prepared for all the units.
5. The Duration of the test is 90 Minutes for B.tech & 60 Minutes for BE
6. After the completion of the Exam the Faculty submits Scheme of Evaluation and key for the respective question paper.
7. The question paper is set for 20 Marks and scaled to 14 Marks for Btech and 30 marks for BE And scaled to 15 marks as minimum.
8. The Department conducts assignments in the respective subjects for 5 Marks.
9. The assignments may be solving problems, home assignment or slip test.
10. The total internal evaluation is the sum of Internal Subjective Test, Objective Test and Assignments **(10+10+5=25)** for **Btech** and **(10+10+10=30) for BE**
11. Second Subjective Test Assessment is also done similarly.
12. The Marks are uploaded to the respective University and best of the one is considered.

After conduction of assignments the test post activities are done:

1. All the results are placed in the Examination section website.
2. The progress reports are sent to their parents.
3. The slow learners are identified by counselors based on the Internal Marks and recommended for Tutorial / remedial classes.

**Evaluation:**

- Each course coordinator in consultation with Department Academic Committee prepares the question paper. Department Academic Committee verifies the quality of Question paper in all aspects and submits to the Department Internal Exam Section.

**Effective process implementation**

- The Department Academic Committee will conduct the question paper review meeting to verify the quality of question papers and approves them for the conduction of Internal Exams.

Process to ensure questions from outcomes/learning level perpectives

- Department Academic Committee ensures that each question is mapped with COs in the Question paper. Student who answered to particular question is taken into consideration and average of all Students' Marks is taken for CO – PO attainment.

**Evidence of COs Coverage in class test/Mid-term test**

The below sample paper represents model paper for the subjective test (Mid-Term Test).

# NAWAB SHAH ALAM KHAN COLLEGE OF ENGINEERING AND TECHNOLOGY
# BE CIVIL II-YEAR SEM- I -(2020-2021)
# ENGINEERING GEOLOGY

# MID-II

CE6301 MAX.MARKS 20MARKS

## PART –A

ANSWER ALL THE QUESTIONS 6X1=6MARKS

| Q.NO | Question | Blooms level | Copo-mapping |
|---|---|---|---|
| 1 | How do you classify rocks? | L2 | Co1 |
| 2 | Define fault? | L1 | Co1 |
| 3 | Define standard up time of different rocks? | L1 | Co1 |
| 4 | What are decorative, roofing and facing stones? | L1 | Co2 |
| 5 | Define tunnels? | L1 | Co2 |
| 6 | Define earthquake and landslides? | L1 | Co2 |

## PART -B

ANSWER ANY TWO QUESTIONS 7X2=14MARKS

| Q.NO | Question | Blooms level | Copo-mapping |
|---|---|---|---|
| 1 | What are the geological consideration for the selection of a concrete aggregate, highway and runway aggregate? | L1 | Co1 |
| 2 | What are the geological investigation of tunnels in rocks? What are the different types of tunnels? | L2 | Co1 |
| 3 | Define dam and reservoir? What are the different types of dams? | L2 | Co2 |

Sample Question Paper for Mid Exams(BE)

**NAWAB SHAH ALAM KHAN COLLEGE OF ENGINEERING & TECHNOLOGY**

*NEW MALAKPET, HYDERABAD-500024*

I. III-B. TECH I-SEM MID-I EXAMINATION Sept - 2019

**II. BRANCH: CE** **DATE: 11.09.2019**

III. **SUBJECT: CT** **TIME: 02:00 PM 3.30PM**

**IV. Answer any two of the following questions.** **2×5=10**

| S.No | Questions | Bloom Taxonomy Level | Course outcomes |
|---|---|---|---|
| 1. | Explain briefly about chemical composition of cement, and hydration of cement? | L2 | **CO1** |
| | Or | | |
| 2. | Explain the process of manufacturing of cement? What is Wet process &Dry process? | L2 | **CO1** |
| 3. | What are aggregates? Explain different Types of aggregates with example? | L4 | **CO2** |
| | or | | |
| 4. | Write a short note on<br>a) Crushing value.<br>b) Bulking of sand.<br>c) impact test. | L3 | **CO2** |

Sample Question Paper for Mid Exams(Btech)

**NAWAB SHAH ALAM KHAN COLLEGE OF ENGINEERING & TECHNOLOGY**
**III B.Tech. I Sem., I Mid-Term Examinations, SEPTEMBER – 2019**
**CONCRETE TECHNOLGY**
**Objective Exam**

**BRANCH: CE**
**Name: _____ Hall Ticket No.**

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | **A** | | | | |

***II* Answer All Questions. All Questions Carry Equal Marks. Time: 20 Min. Marks: 10.**

**I Choose the correct alternative:**

1. [ ]

The smallest particle may have a size of about in fineness of cement is CO1

A) 1.5microns B) 3.00microns C) 10 microns D) 25microns

2. The size of the cube mould for compressive strength of cement is [ ] CO1
A) 7.02 X7.02 cm B) 7.04X7.04 cm C) 7.05x7.05cm D)7.06x7.06 cm

3. The optimum air content in concrete is [ ] CO1
A)1.5-2.00 % B) 2.00-2.50% C)2.50-3.00% D)3.00-3.50%

4. Silicon dioxide percent present in chemical composition of cement is CO3 [ ]

A)5% B) 10% C) 15% D) 20%

5. The crushing value of aggregate is restricted for concrete used for roads is CO1 [ ]

A)10% B) 15% C)20% D) 30%

6. The percentage of bulking of aggregate is CO1 [ ]
A) $\{h_1 - h_2\}/h_2 X100$ B) $\{h_2 - h_1\}/h_2$ X 100 C) $\{h_2 - h_1\}/h_1 X100$ D) $\{h_1 - h_2\}/h_1$ X100

7. Maximum size of aggregate for concrete is about CO2 [ ]
A) 50 mm B)75 mm C)100 mm D) 150mm

8. Most important factor that affects the workability of the concrete is [ ] CO2 A)shape B)surface texture C)use of admixtures D)grading

9. The top diameter ,height and bottom diameter of slump cone is [ ] respectively CO2
A) 20 cm,10 cm,30 cm B) 30 cm,20cm,10cm
C)20cm,30cm,10cm D) 10cm,30cm,20cm.

10. The separation of constituent of material of concrete is termed as CO2 [ ]
A) bleeding B) segregation C) setting D) hardening

***III*** **Fill in the blanks:**

11. The reaction of cement with water is_____.CO3
12. Specific surface of cement for 53 grade opc as per IS 12269-1987 should not be less than ___. CO3
13. High degree of workability is required in situations like _____ CO3
14. The use of super plasticizers was developed in_____ and _____ countries. CO3
15. The elongation index is not applicable to sizes smaller than _____ CO4
16. Average value of linear thermal coefficient of expansion of concrete may be taken as _____ CO4
17. Fineness modulus of coarse sand is in between_____ CO4
18. For medium degree of workability recommended slump as per IS 456-2000is ____ CO4
19. The stripping time for props to slabs spanning up to 4.5 m is _____ CO4
20. As per is 1791-1985 concrete mixers are designates by_____. CO4

**CONCRETE TECHNOLOGY III-I SEM MID-1**

**KEYS**

**I choose the correct alternative**

1. C
2. D
3. A
4. D
5. D
6. B
7. A
8. A
9. D
10. B

II FILL IN THE BLANKS

11 . hydration
12. 0.6%
13. self-compacting
14. Japan & Germany
15. 6.3MM
16. 7-12MPDC
17. 3.5-6.5
18 . 50 - 100MM
19. 24HRS
20. BOI

Sample answer key for objective question paper

**NAWAB SHAH ALAM KHAN COLLEGE OF ENGINEERING & TECHNOLOGY**

**New Malakpet Hyderabad-500 024**

**DEPARTMENT OF CIVIL ENGINEERING**

**III B.TECH I SEMESTER MID-I AWARD LIST SEPT - 2019 (A.Y. 2019-20)**

**NAME OF THE FACULTY:** MOHD ABDUL AQUIL

**SUBJECT NAME:** concrete technology **BRANCH: CIVIL - A**

**SUBJECT CODE:** 135AD **DATE OF EXAM :** 12-9-2019

| S.NO | H.T. NO | NAME OF STUDENT | DESC | OBJ | ASSN | TOTAL |
|---|---|---|---|---|---|---|
| | | | 10 | 10 | 5 | 25 |
| 1 | 15E01A0133 | MUZAMMIL HUSSAIN | AB | AB | AB | AB |
| 2 | 15E01A0150 | MOHD NADEEM | 6 | 5 | 5 | 16 |
| 3 | 15RT1A0137 | MD TOUFEEQ | 6 | 6 | 5 | 17 |
| 4 | 15RT1A0191 | MOHD AYAZ | 5 | 5 | 5 | 15 |
| 5 | 15RT1A01B5 | MOHAMMED WASI | 6 | 5 | 5 | 16 |
| 6 | 16E01A0121 | KASIM MOHAMMED ZAID KAMRAN | 4 1/2 | 5 1/2 | 5 | 15 |
| 7 | 16E01A0141 | ARBAAZ KHAN | 8 | 5 | 5 | 18 |
| 8 | 16H11A0189 | SYED OBAID UZZAMA | 4 | 5 | 5 | 14 |
| 9 | 16K31A0129 | MOHD ABRAR | 8 | 6 | 5 | 19 |
| 10 | 16RT1A0114 | HUZAIFA SYED ASIF | 8 | 6 | 5 | 19 |
| 11 | 16RT1A0121 | KHAJA WAHEEDUDDIN | 5 | 5 | 5 | 15 |
| 12 | 16RT1A0167 | MOHAMMED MAZHARUDDIN | 5 | 5 | 5 | 15 |
| 13 | 16RT1A0180 | MD SAQAWATH ULLAH SIDDIQUI | 7 1/2 | 6 1/2 | 5 | 19 |
| 14 | 16RT1A0182 | MOHAMMED SHAHID ARBAZ | 4 | 5 | 5 | 14 |
| 15 | 16RT1A0185 | MOHAMMED TAHA MOHIUDDIN | 6 1/2 | 5 1/2 | 5 | 17 |
| 16 | 16RT1A01B2 | MOHD SUBOOR AHMED KHAN | 7 | 6 | 5 | 18 |
| 17 | 16RT1A01C6 | NUMAM MOHD AFZAL | 5 | 6 | 5 | 16 |
| 18 | 16RT1A01C7 | OMAR MOHAMMED FAIYAZ | 5 | 5 | 5 | 15 |
| 19 | 16RT1A01D6 | SHAHZAN KHAN | 8 | 5 | 5 | 18 |
| 20 | 16RT1A01E9 | SYED ASLAM ASADULLAH | 4 | 6 | 5 | 15 |
| 21 | 16RT1A01F8 | SYED SADATH ALI SHAH | 5 | 5 | 5 | 15 |
| 22 | 16RT1A01F9 | SYED SANAULLAH HUSSAINI | 6 1/2 | 6 1/2 | 5 | 18 |
| 23 | 16RT1A01G1 | SYEDSHOEBMOHIUDDIN | 7 | 5 | 5 | 17 |
| 24 | 16RT1A01G2 | SYED SHUJA UDDIN AFAQ | 4 | 6 | 5 | 15 |
| 25 | 16RT1A01G8 | ZUBAIDULLAH KHAN | 8 | 5 | 5 | 18 |
| 26 | 16RT1A01H1 | MOHD KASHIF QURESHI | 6 | 5 | 5 | 16 |
| 27 | 17E01A0101 | SYED NAWAZ | 7 | 5 | 5 | 17 |
| 28 | 17E01A0102 | SYED SHAH VISAM HUSSAINI | 6 | 5 | 5 | 16 |
| 29 | 17E01A0104 | SYED VASIM | 8 | 6 | 5 | 19 |
| 30 | 17E01A0110 | SYED AHMED | 9 | 6 | 5 | 20 |
| 31 | 17E01A0112 | MOHAMMED SAYEED | 8 1/2 | 5 1/2 | 5 | 19 |
| 32 | 17E01A0113 | MOHAMMED ASAD UDDIN | 9 | 6 | 5 | 20 |
| 33 | 17E01A0116 | AMIR SOHAIL | 6 | 6 | 5 | 17 |
| 34 | 17E01A0118 | SYED FAZEEL AHMED | 8 | 6 | 5 | 19 |
| 35 | 17E01A0120 | MOHAMMED ABDUL RASHEED | 8 | 5 | 5 | 18 |
| 36 | 17E01A0127 | MOHAMMED ARSHAD | 8 | 5 | 5 | 18 |
| 37 | 17RT1A0103 | ABDULLAH SHAFIUDDIN | 8 | 6 | 5 | 19 |
| 38 | 17RT1A0110 | BADAR UBAIDUR RAHIM QURESHI | 8 | 6 | 5 | 19 |
| 39 | 17RT1A0116 | HABEEB BABA | 9 1/2 | 7 1/2 | 5 | 22 |

Sample of award list of mid exams

**NAWAB SHAH ALAM KHAN COLLEGE OF ENGINEERING & TECHNOLOGY**

**New Malakpet Hyderabad-500 024**

**DEPARTMENT OF CIVIL ENGINEERING**

**III B.TECH I SEMESTER MID-I AWARD LIST SEPT - 2019 (A.Y. 2019-20)**

**NAME OF THE FACULTY:** MOHD ABDUL AQUIL

**SUBJECT NAME:** Concrete Technology **BRANCH:** CIVIL - A

**SUBJECT CODE:** 135 AD **DATE OF EXAM :** 11-9-2019

| S.NO | H.T. NO | NAME OF STUDENT | DESC | OBJ | ASSN | TOTAL |
|---|---|---|---|---|---|---|
| | | | 10 | 10 | 5 | 25 |
| 40 | 17RT1A0122 | KHAJA MUDASSIR HUSSAIN | 9 1/2 | 6 1/2 | 5 | 21 |
| 41 | 17RT1A0125 | KHATEEB MOHAMMED YASER RAZA | 9 1/2 | 7 1/2 | 5 | 22 |
| 42 | 17RT1A0133 | MD SAIF AMEEN FAROOQI | 6 | 5 | 5 | 16 |
| 43 | 17RT1A0138 | MIRZA RASHEED ALI BAIG | 7 | 5 | 5 | 17 |
| 44 | 17RT1A0140 | MOHAMMED MASTAN JAVEED | 6 1/2 | 5 1/2 | 5 | 17 |
| 45 | 17RT1A0141 | MOHAMMED ABDUL AQEEB AHMED | 8 | 6 | 5 | 19 |
| 46 | 17RT1A0143 | MOHAMMED ABDUL BILLAL SIDDIQUI | 7 | 5 | 5 | 17 |
| 47 | 17RT1A0144 | MOHAMMED ABDUL MAAZ | 7 | 6 | 5 | 18 |
| 48 | 17RT1A0150 | MOHAMMED AHMED HUSSAIN | 8 1/2 | 6 1/2 | 5 | 20 |
| 49 | 17RT1A0151 | MOHAMMED ALI | 7 | 6 | 5 | 18 |
| 50 | 17RT1A0153 | MOHAMMED ASIF | 4 1/2 | 5 1/2 | 5 | 15 |
| 51 | 17RT1A0154 | MOHAMMED ASIFUDDIN JUNAID | 7 | 6 | 5 | 18 |
| 52 | 17RT1A0157 | MOHAMMED BIN HAMID ALI RUBAKI | 6 | 5 | 5 | 16 |
| 53 | 17RT1A0168 | MOHAMMED MUQEED AHMED | 8 | 6 | 5 | 19 |
| 54 | 17RT1A0172 | MOHAMMED OMER | 9 | 7 | 5 | 21 |
| 55 | 17RT1A0174 | MOHAMMED QUTUBUDDIN | 9 1/2 | 6 1/2 | 5 | 21 |
| 56 | 17RT1A0177 | MOHAMMED SALMAN | 6 | 5 | 5 | 16 |
| 57 | 17RT1A0181 | MOHAMMED ZAINUL ABADEEN1 | 9 | 6 | 5 | 20 |
| 58 | 17RT1A0182 | MOHAMMED ZAKI ALI | 7 1/2 | 5 1/2 | 5 | 18 |
| 59 | 17RT1A0183 | MOHAMMED ZESHAN | 9 | 6 | 5 | 20 |
| 60 | 17RT1A0184 | MOHD ABDUL AZEEM | 9 1/2 | 6 1/2 | 5 | 21 |
| 61 | 17RT1A0187 | MOHD ABDUL WASEY | 8 | 6 | 5 | 19 |
| 62 | 17RT1A0189 | MOHD ATIF ALI | 9 | 6 | 5 | 20 |
| 63 | 17RT1A0190 | MOHD AZAM KHAN | 8 | 6 | 5 | 19 |
| 64 | 17RT1A0197 | MOHD IMAAD | 4 1/2 | 5 1/2 | 5 | 15 |
| 65 | 17RT1A0199 | MOHD MURTUZA ALI | 4 1/2 | 5 1/2 | 5 | 15 |
| 66 | 17RT1A01A0 | MOHD MUSHARAF ALI | 8 | 7 | 5 | 20 |
| 67 | 17RT1A01A1 | MOHD MUSHRAF ANWAR | 8 | 6 | 5 | 19 |
| 68 | 17RT1A01A2 | MOHD MUZAFFER ALI SAJJAD | 8 | 6 | 5 | 19 |
| 69 | 17RT1A01A3 | MOHD MUZAMMIL | 9 1/2 | 7 1/2 | 5 | 22 |
| 70 | 17RT1A01A7 | MOHD SAFI UDDIN SHAHBAZ | 5 | 6 | 5 | 16 |
| 71 | 17RT1A01A8 | MOHD SARFARAZ-UR-RAHMAN | 4 1/2 | 5 1/2 | 5 | 15 |
| 72 | 17RT1A01B0 | MOHD SHOAIB | 8 | 6 | 5 | 19 |

| | |
|---|---|
| Faculty Signature : | |
| Date Of Submission : | 4-11-2019 |
| No. of Absentees : | 01 |

| | |
|---|---|
| No. of Students Secured Above 20 : | 14 |
| No. of Students Secured 15 - 19 : | 55 |
| No. of Students Secured 10 - 14 : | 02 |
| No.of Students Secured Below 10: | 0 |

PRINCIPAL

Sample of award list of mid exam

**Assignments:**

- Assignments are conducted periodically and evaluated by the respective faculty members.
- In order to bridge the gap in Curriculum, bright Students are given some assignments in the content beyond syllabus.

According to level of toughness the questions are prepared (viz., analyzing the problems, implementation of modern tools, formulating the problems etc).

The questions will be of three categories:

a. Some of the questions is direct and can be answered by all Students.
b. Some of the questions need analysis and use of content covered as per syllabus.
c. Remaining one third of the question is knowledge based. Certain amount of thinking, analysis and mathematical knowledge is required to resolve.

## Syllabus copy

**CE501PC: CONCRETE TECHNOLOGY**

**B.Tech. III Year I Sem.**

**Course Objectives:** Concrete is the basic construction material in the advancemans present construction industry Lot of advances are taking place in the concrete technology on par with development taking place in the engineering. The present day industry needs the knowledge of concrete technology thoroughly. The subject is designed to give the basic knowledge as well as latest developments in concrete technology

**Course Outcomes:** At the end of the course, the student will be able to:

Identify Quality Control tests on concrete making materials Understand the behavior of fresh and hardened concrete

Design concrete mixes as per IS and ACI codes

Understand the durability requirements of concrete Understand the need for special concretes

**UNIT - I**

**Cement:** Portland cement – chemical composition – Hydration, Setting of cement – Structure of hydrate cement – Test on physical properties – Different grades of cement. Admixtures: Types of admixtures – mineral and chemical admixtures.

**UNIT - II**

**Aggregates:** Classification of aggregate – Particle shape & texture –, strength & other mechanical properties of aggregate – Specific gravity, Bulk density, porosity, adsorption & moisture content of aggregate – Bulking of sand – Deleterious substance in aggregate – Soundness of aggregate – Alkali aggregate reaction – Thermal properties – Sieve analysis – Fineness modulus – Grading curves – Grading of fine & coarse Aggregates – Gap graded aggregate – Maximum aggregate size.

**UNIT – III**

**Fresh Concrete:** Workability – Factors affecting workability – Measurement of workability by different tests – Setting times of concrete – Effect of time and temperature on workability – Segregation & bleeding – Mixing and vibration of concrete – Steps in manufacture of concrete – Quality of mixing water.

**UNIT - IV**

**Hardened Concrete :** Water / Cement ratio – Abram's Law – Gel space ratio – Nature of strength of concrete – Maturity concept – Strength in tension & compression – Factors affecting strength – Relation between compressive & tensile strength - Curing.

**Testing Of Hardened Concrete:** Compression tests –Tension tests– Flexure tests – Splitting tests – Pull-out test, Non-destructive testing methods – codal provisions for NDT.

Elasticity, Creep & Shrinkage – Modulus of elasticity – Dynamic modulus of elasticity – Poisson's ratio – Creep of concrete – Factors influencing creep – Relation between creep & time – Nature of creep – Effects of creep – Shrinkage – types of shrinkage.

**UNIT – V**

**Mix Design:** Factors in the choice of mix proportions – Durability of concrete – Quality Control of concrete – Statistical methods – Acceptance criteria – Proportioning of concrete mixes by– BIS method and ACI mix design.

**Special Concretes:** Introduction to light weight concrete – Cellular concrete – No-fines concrete – High density concrete – Fibre reinforced concrete – Polymer concrete – High performance concrete – Self compacting concrete.

**TEXT BOOKS:**

1. Properties of Concrete by A. M. Neville Pearson 5th edition Education ltd 2016.
2. Concrete Technology by M. S. Shetty. – S. Chand & Co. 2004
3. Concrete Technology by Job Thomas -Cengage learning India Pvt Ltd 2015.

**REFERENCES:**

1. Concrete Technology by M.L. Gambhir. – Tata Mc. Graw Hill Publishers, New Delhi
2. Concrete: Micro structure, Properties and Materials – P. K. Mehta and J. M. Monteiro, McGraw Hill Publishers

# Question bank given to the students by faculty:

## CEMENT ADMIXTURE AND AGGREGATE

### UNIT-1

**Part - A (Short Answer Questions) CO1**

| | |
|---|---|
| 1 | What is the chemical composition of cement? |
| 2 | List various types of cement. |
| 3 | What is grade of cement? List any three grades of cement with their strengths. |
| 4 | Give step by step method of manufacture of cement by wet process. |
| 5 | What is the common classification of aggregates? |
| 6 | Write various properties of Aggregate? |
| 7 | What are the Physical Quality requirements of aggregates? |
| 8 | Distinguish between plasticizers and super plasticizers. |
| 9 | Distinguish between natural and chemical admixtures. |
| 10 | Explain hydration of cement? |
| 11 | What is the percentage of water required, if 1500 g of water is required to have a cement paste of 1875 g of normal consistency? |
| 12 | Which cement is preferred for construction in sea water? |
| 13 | How does alkali aggregate reaction affect the concrete mix? |
| 14 | Why does hydration of cement occur? |
| 15 | At what temperature is slurry burnt in a rotary kiln? |
| 16 | What is the maximum amount of dust which may be permitted in aggregates? |
| 17 | On which factors the bulk density of aggregates does not depend upon? |
| 18 | How does alkali aggregate reaction affect concrete? |
| 19 | If 20 kg of coarse aggregate is sieved through 80 mm, 40 mm, 20 mm, 10 mm, 4.75 mm, 2.36 mm, 1.18 mm, 600 micron, 300 micron and 150 micron standard sieves and the weights retained are 0 kg, 2 kg, 8 kg, 6 kg, 4 kg respectively, what is the fineness modulus of the aggregate? |
| 20 | If *X*, *Y* and *Z* are the fineness moduli of course, fine and combined aggregates, what is the percentage (*P*) of fine aggregates to combined aggregates? |

**Part - B (Long Answer Questions) CO1**

| | |
|---|---|
| 1 | Explain the different types of cement in detail. |
| 2 | Describe the setting time and soundness test of cement. |
| 3 | Explain the bulking phenomenon of aggregates. |
| 4 | Explain the procedure of determining ‘10 per cent fines value’. What is gap graded aggregate? |
| 5 | Describe the hydration reaction of Bouges compounds indicating the products of hydration. |

| | |
|---|---|
| 6. | How is compressive strength of cement determined? |
| 7. | Describe the test done to determine aggregate abrasion value. |
| 8 | Write briefly about Retarders. |
| 9. | Write short notes on Damp proofing agents |
| 10 | Describe Dry process of cement manufacturing. |
| 11 | Write short notes on Air entraining agents |
| 12 | Describe Wet process of cement manufacturing. |
| 13 | Write briefly about Accelerators. |
| 14 | Explain shape and texture of the aggregate? |
| 15 | What are the different types of admixtures? |
| 16 | Explain mechanical properties of aggregate? |
| 17 | Properties of mineral and chemical admixtures? |
| 18 | Explain Bond and Strength of the aggregate? |
| 19 | Write short note on thermal properties of aggregate? |
| 20 | What is grading of fine and coarse aggregate? |

**Part - C (Problem Solving and Critical Thinking Questions)**
**CO1**

| | |
|---|---|
| 1 | What is the percentage of water required, if 1500 g of water is required to have a cement paste of 1875 g of normal consistency? |
| 2 | If *X*, *Y* and *Z* are the fineness moduli of course, fine and combined aggregates, what is the percentage (*P*) of fine aggregates to combined aggregates? |
| 3 | Which cement is preferred for construction in sea water? |
| 4 | How does alkali aggregate reaction affect the concrete mix? |
| 5 | Why does hydration of cement occur? |
| 6 | At what temperature is slurry burnt in a rotary kiln? |
| 7 | What is the maximum amount of dust which may be permitted in Aggregates? |
| 8 | On which factors the bulk density of aggregates does not depend upon? |
| 9 | How does alkali aggregate reaction affect concrete? |
| 10 | If 20 kg of coarse aggregate is sieved through 80 mm, 40 mm, 20 mm,10 mm, 4.75 mm, 2.36 mm, 1.18 mm, 600 micron, 300 micron and 150 micron standard sieves and the weights retained are 0 kg, 2 kg, 8 kg, 6 kg, 4 kg respectively, what is the fineness modulus of the aggregate? |

UNIT II

FRESH CONCRETE

## Part - A (Short Answer Questions) CO2

| | |
|---|---|
| 1 | What is meant by proportioning of concrete? |
| 2 | Can sea water be used for making concrete? Explain. |
| 3 | What is meant by curing of concrete? |
| 4 | What is meant by controlled concrete? |
| 5 | Define Workability. |
| 6 | Mention the Properties of concrete at Early Ages. |
| 7 | Identify the Causes of bleeding and segregation? |
| 8 | Write some of the Methods for Controlling Bleeding? |
| 9 | Define segregation of concrete. |
| 10 | Define bleeding of concrete. |
| 11 | What is the effect of temperature on curing of concrete? |
| 12 | How can shrinkage in concrete be reduced? |
| 13 | What is the process of hardening the concrete by keeping its surface moist known as? |
| 14 | Which grade of concrete not recommended by I.S: 456 and why? |
| 15 | What does proper batching ensure? |
| 16 | Which method is used for compacting plain concrete road surface of thickness less than 20 cm? |
| 17 | How does segregation affect concrete? |
| 18 | What is separation of water or water sand cement from a freshly concrete? |
| 19 | How does high temperature affect fresh concrete? |
| 20 | How is workability of concrete mix with low water cement ratio determined? |

## Part - B (Long Answer Questions) CO2

| | |
|---|---|
| 1 | What is meant by workability? |
| 2 | Explain Flow test in detail. |
| 3 | What are the methods available for measuring air content in fresh concrete? Explain one of the methods in detail. |
| 4 | Write the effects of time and temperature on workability? |

| | |
|---|---|
| 5 | Describe briefly about segregation? |
| 6. | What are the various steps involved in concrete manufacturing? |
| 7. | How do you understand segregation describe briefly? |
| 8 | What is bleeding and how can it be prevented? |
| 9. | How does freeze-thaw damage occur? |
| 10 | What is alkali-aggregate reaction? Explain. |
| 11 | Define re-vibration briefly? |
| 12 | Describe the importance of the quality of water used for concreting. |
| 13 | What is mixing and vibration of concrete? |
| 14 | Describe briefly about bleeding? |
| 15 | Explain Compaction factor test in detail. |
| 16 | What are the factors affecting workability of concrete? |
| 17 | Define measurement of workability by different tests? |
| 18 | Explain how can we be prevented segregation? |
| 19 | Describe the setting time of concrete? |
| 20 | What are the various vibration techniques used for concrete |

**Part - C (Problem Solving and Critical Thinking Questions) CO2**

| | |
|---|---|
| 1 | How does water cement ratio affect the properties of hardened concrete? |
| 2 | Is it desirable to use concrete of very high strength i.e. exceeding 60MPa? What are the potential problems associated with such high strength concrete? |
| 3 | Which factors lead to strength in hardened concrete? |
| 4 | In carrying out compression test for concrete, should test cubes or test cylinders be adopted? |
| 5 | How does gel space ratio affect the properties of hardened concrete? |
| 6 | Discuss the relationship between time and creep. |
| 7 | In concrete compression test, normally 150mmx150mmx150mm concrete cube samples are used for testing. Why isn't 100mmx100mmx100mm concrete cube samples used in the test instead of 150mmx150mmx150mm concrete cube samples? |
| 8 | Why is the compressive strength of hardened concrete determined after 28 days? |
| 9 | What is the purpose of conducting non destructive tests? |
| 10 | How does creep affect hardened concrete? |

UNIT - III

**HARDENED CONCRETE AND ITS TESTING**

## Part - A (Short Answer Questions) CO2

| | |
|---|---|
| 1 | Define Water/cement ratio. |
| 2 | What is meant by gel-space ratio? |
| 3 | Why is Elastic Modulii Important for Concrete? |
| 4 | Define Shrinkage cracking |
| 5 | What is Tension cracking |
| 6 | Define Creep of concrete |
| 7 | Write short notes on the following: Acid attack, |
| 8 | Write short notes on the following: Sulphate attack |
| 9 | Write short notes on the following: Alkali attack |
| 10 | Write short notes on the following: non destructive testing methods |
| 11 | Which factors lead to strength in hardened concrete? |
| 12 | How does water cement ratio affect the properties of hardened concrete? |
| 13 | How does gel space ratio affect the properties of hardened concrete? |
| 14 | In concrete compression test, normally 150mmx150mmx150mm concrete cube samples are used for testing. Why isn't 100mmx100mmx100mm concrete cube samples used in the test instead of 150mmx150mmx150mm concrete cube samples? |
| 15 | Is it desirable to use concrete of very high strength i.e. exceeding 60MPa? |
| 16 | What are the potential problems associated with such high strength concrete? |
| 17 | In carrying out compression test for concrete, should test cubes or test cylinders be adopted? |
| 18 | Discuss the relation between creep and time. |
| 19 | Why is the compressive strength of hardened concrete determined after 28 days? |
| 20 | What is the purpose of conducting non destructive tests? |
| 21 | How does creep affect hardened concrete? |

## Part – B (Long Answer Questions) CO2

| | |
|---|---|
| 1 | Explain Abram's law? How does it affect concrete? |
| 2 | What are the various factors affecting strength of hardened concrete? |
| 3 | Explain curing? What are the different methods of curing? |
| 4 | Explain briefly about Tension test? |
| 5 | Write a short note on Flexural test |

| | |
|---|---|
| 6 | Explain nondestructive tests. |
| 7 | Write a short note on Elasticity of concrete |
| 8 | Write a short note on Creep |
| 9 | What is creep of concrete? |
| 10 | What is shrinkage of concrete |
| 11 | Explain briefly about Compression test? |
| 12 | Describe briefly about Split tensile test |
| 13 | What is Shrinkage of concrete |
| 14 | Write a short note on Durability of concrete |
| 15 | What are the factors influencing creep? |
| 16 | What is the relation between creep & time? |
| 17 | What are effects of creep? |
| 18 | What are the types of shrinkage? |
| 19 | What are the codal provisions for NDT? |
| 20 | Describe types of NDT tests? |

**Part – C (Problem Solving and Critical Thinking) CO2**

| | |
|---|---|
| 1 | Which factors lead to strength in hardened concrete? |
| 2 | How does water cement ratio affect the properties of hardened concrete? |
| 3 | How does gel space ratio affect the properties of hardened concrete? |
| 4 | In concrete compression test, normally 150mm x 150mm x 150mm concretecubesamplesareusedfortesting.Whyisn't 100mmx100mmx100mm concrete cube samples used in the test instead of 150mmx150mmx150mm concrete cube samples? |
| 5 | Is it desirable to use concrete of very high strength i.e. Exceeding 60MPa? What are the potential problems associated with such high strength concrete? |
| 6 | Discuss the relation between creep and time. |
| 7 | Why is the compressive strength of hardened concrete determined after 28 days? |
| 8 | What is the purpose of conducting non destructive tests? |
| 9 | How does creep affect hardened concrete? |
| 10 | Which factors lead to strength in hardened concrete? |

UNIT-IV

**MIX DESIGN**

**Part – A (Short Answer Questions) CO3**

| | |
|---|---|
| 1 | Explain Concrete Durability. |
| 2 | Define concrete mix design. |

| | |
|---|---|
| 3 | What are the factors influencing the selection of materials? |
| 4 | What are the factors Influencing Consistency? |
| 5 | Examine the Factors affecting Strength of Hardened concrete? |
| 6 | What is the sequence of steps should be followed in ACI method? |
| 7 | Mention the Maximum aggregate size to be used in Mix Design as per ACI. |
| 8 | What are the Requirements of concrete mix design as per BIS? |
| 9 | Factors that influence the choice of mix design. |
| 10 | What are the Factors affecting the choice of mix proportions? |
| 11 | Describe Sampling criteria |
| 12 | What is statistical quality control of concrete |
| 13 | What is M20 Mix concrete. |
| 14 | Describe Acceptance criteria |
| 15 | Define Standard mixes. |
| 16 | What are the types of concrete mixes? Explain. |
| 17 | What is M30 Mix concrete. |
| 18 | What are Designed Mixes? |
| 19 | What is an acceptance criterion of concrete. |
| 20 | Define Nominal Mixes? |
| | **Part – B (Long Answer Questions) CO3** |
| 1 | Describe ACI method of mix design in detail. |
| 2 | Explain Indian standard method of mix design in detail. |
| 3 | Describe the Sampling criteria? |
| 4 | Design the concrete mix for grade M20 with suitable conditions. Find the quantities of constituents of the mix for a bag of cement. . |
| 5 | Explain the factors that influence the choice of mix design. |
| 6 | Explain in detail about the statistical quality control and acceptance criteria of concrete. |
| 7 | Design the concrete mix for grade M30 with suitable conditions. Find the quantities of constituents of the mix for a bag of cement. |
| 8 | What is the procedure followed for selection of constituent materials of concrete. |
| 9 | Define Nominal Mixes and Standard mixes. What are Designed Mixes? |
| 10 | Describe the recent trends in concrete mix design. |
| 11 | Describe quality control of concrete? |
| 12 | Describe about Acceptance criteria? |
| 13 | What is BIS method of mix design? |

| | | |
|---|---|---|
| 14 | Design the concrete mix for grade M20 with suitable conditions. Find the quantities of constituents of the mix for a bag of cement. | |
| 15 | Design the concrete mix for grade M30 with suitable conditions. Find the quantities of constituents of the mix for a bag of cement. | |
| 16 | Design the concrete mix for the following data: characteristic compressive strength= 20MPa, maximum size of aggregate = 20mm (angular), Degree of workability = 0.9 CF, Degree of quality control = good and type of exposure = severe. Water absorption by CA = 0.5% and moisture content in FA = 2.0%. Assume any suitable missing data. | |
| 17 | Describe briefly about durability of concrete? | |
| 18 | Design the concrete mix for the following data: characteristic compressive strength = 35MPa, maximum size of aggregate = 20mm (angular), Degree of workability = 0.9 CF, Degree of quality control = good and type of exposure = severe. Water absorption by CA = 1% and moisture content in FA =1.5%.Assume any suitable missing data. | |
| 19 | Design the concrete mix for the following date: characteristic compressive strength=35mpa, maximum size of aggregate =20mm (angular), degree of workability=0.9CF, degree of quality control =good and type of exposure=severe. Water absorption by CA=1% and moisture content in FA =1.5%. Assume any suitable missing data. | |
| 20 | Design the concrete mix for the following data: characteristic compressive strength=20mpa, maximum size of aggregate =20mm (angular), degree of workability =0.9CF, degree of quality control =good and type of exposure=severe. Water absorption by CA =0.5% and moisture FA=2.0%. Assume any suitable missing data. | |
| | **Part – C (Problem Solving and Critical Thinking)** | **CO3** |
| 1 | Design the concrete mix for grade M20 with suitable conditions. Find the quantities of constituents of the mix for a bag of cement. | |
| 2 | Design the concrete mix for grade M30 with suitable conditions. Find the quantities of constituents of the mix for a bag of cement. | |
| 3 | Design the concrete mix for the following data: characteristic compressive strength= 20MPa, maximum size of aggregate = 20mm (angular), Degree of workability = 0.9 CF, Degree of quality control = good and type of exposure = severe. Water absorption by CA = 0.5% and moisture content in FA = 2.0%. Assume any suitable missing data. | |
| 4 | Design the concrete mix for the following data: characteristic compressive strength = 35MPa, maximum size of aggregate = 20mm (angular), Degree of workability = 0.9 CF, Degree of quality control = good and type of exposure = severe. Water absorption by CA = 1% and moisture content in FA = 1.5%.Assume any suitable missing data. | |
| 5 | Design the concrete mix for the following date: characteristic compressive strength=35mpa, maximum size of aggregate =20mm (angular), degree of workability=0.9CF, degree of quality control =good and type of | |

| | |
|---|---|
| | exposure=severe. Water absorption by CA=1% and moisture content in FA =1.5%. Assume any suitable missing data |
| 6 | Design the concrete mix for the following data: characteristic compressive strength=20mpa, maximum size of aggregate =20mm (angular), degree of workability =0.9CF, degree of quality control =good and type of exposure=severe. Water absorption by CA =0.5% and moisture concrete FA=2.0%. Assume any suitable missing data. |
| 7 | Design the concrete mix for the following data: characteristic compressive strength=25mpa, maximum size of aggregate =20mm (angular), degree of workability =0.9CF, degree of quality control =good and type of exposure=severe. Water absorption by CA =0.6% and moisture concrete FA=2.0%. Assume any suitable missing data. |
| 8 | Design the concrete mix for grade M50 with suitable conditions. find the quantities of constituents of the mix for a bag of cement. |
| 9 | Design the concrete mix for grade M55 with suitable conditions. Find the quantities of constituents of the mix for a bag of cement. |
| 10 | Design the concrete mix for the following data: characteristic compressive strength=40mpa, maximum size of aggregate =20mm (angular), degree of workability =0.9CF, degree of quality control =good and type of exposure=severe. Water absorption by CA =0.6% and moisture concrete |

**UNIT 5**
**SPECIAL CONCRETE**

**Part - A (Short Answer Questions)** **CO4**

| | |
|---|---|
| 1 | What are the different types of polymer concrete? |
| 2 | Write brief note on polymer concrete? |
| 3 | Explain about polymer – modified concrete? |
| 4 | Design the concrete mix for the following data: characteristic compressive strength = 35MPa, maximum size of aggregate = 20mm (angular), Degree of workability = 0.9 CF, Degree of quality control = good and type of exposure= severe. Water absorption by CA = 1% and moisture content in F.A=1.5%.Assume any suitable missing data. |
| 5 | Define ferro-cement. |
| 6 | What is self-compacting concrete? |
| 7 | Write the uses of polymer concrete? |
| 8 | What are the advantages of using high-strength concrete? |
| 9 | What is polymer – modified concrete? |
| 10 | What is SIFCON? |

| | |
|---|---|
| 11 | Design the concrete mix for the following date: characteristic compressive strength=35mpa, maximum size of aggregate =20mm (angular), degree of workability=0.9CF, degree of quality control =good and type of exposure=severe. Water absorption by CA=1% and moisture content in FA =1.5%. Assume any suitable missing data. |
| 12 | Name the materials used for self-compacting concrete? |
| 13 | What are the types of polymer concrete? |
| 14 | What is the aggregate cement ratio of No-fine Concrete? |
| 15 | Factors effecting properties of Fibre Reinforced Concrete? |
| 16 | Write the minerals of self-compacting concrete? |
| 17 | What is the water cement ratio of No-fine Concrete? |
| 18 | Design the concrete mix for the following data: characteristic compressive comp maximum size of workability =0.9CF, degree of quality control =good and type of exposure=severe. Water absorption by CA =0.5% and moisture FA=2.0%. Assume any suitable missing data. |
| 19 | What polymer – impregnated concrete? |
| 20 | What are the types of self-compacting concrete |

**Part - B (Long Answer Questions)**
**CO4**

| | |
|---|---|
| 1 | How can high-strength concrete be classified? Explain. |
| 2 | List the differences between polymer – impregnated concrete, polymer – modified concrete, and polymer concrete. |
| 3 | What are the various quality control tests done to ensure good performance of polymer concrete? |
| 4 | What are the basic properties of fibre – reinforced concrete which can be advantageously made use of in the design of structural elements? |
| 5 | In what way the behavior of FRC can be used for seismic –resistant design? |
| 6 | Explain in detail the method of design of light weight concreting. |
| 7 | Describe the procedure of Shotcrete & Grouting. |
| 8 | Explain the properties of polymer Impregnated Concrete. |
| 9 | What are the design aspects of aerated concrete. |
| 10 | Write various types of polymer concrete. |
| 11 | Distinguish between light weight concrete and high density concrete. |
| 12 | What are the different types of fibres used in FRC and how do they affect the properties of concrete? |
| 13 | Distinguish between high performance concrete and self compacting concrete. |

| | |
|---|---|
| 14 | Distinguish between self consolidating concrete and conventional concrete. |
| 15 | Explain briefly about the types of fiber reinforced concert? |
| 16 | Write a brief note on self compacting concrete? |
| 17 | What are the different types of polymer concrete? |
| 18 | Write brief note on polymer concrete? |
| 19 | Explain about polymer – modified concrete? |
| 20 | Explain about polymer – impregnated concrete? |
| | **Part – C (Problem Solving and Critical Thinking) CO4** |
| 1 | Distinguish between light weight concrete and high density concrete. |
| 2 | What are the different types fibres used in FRC and how do they affect the properties of concrete? |
| 3 | Distinguish between high performance concrete and self compacting concrete. |
| 4 | Distinguish between self consolidating concrete and conventional concrete. |
| 5 | Describe the procedure of Shotcrete & Grouting. |
| 6 | Explain the properties of polymer Impregnated Concrete. |
| 7 | What are the design aspects of aerated concrete. |
| 8 | Explain the various methods of polymer concrete. |
| 9 | Describe the procedure of Grouting. |
| 10 | Explain the procedure of Shotcrete. |

## Assignment Questions:-

### Unit-1

1. Explain the different types of cement, grades of cement and hydration process. CO1
2. Understand the Alkali Aggregate Reaction. CO1
3. How is compressive strength of cement determined? CO1
4. Describe the setting time and soundness test of cement. CO1

### Unit-2

1. What is meant by workability? & Explain Flow test in detail. CO1
2. Write the effects of time and temperature on workability? CO1
3. What are the various steps involved in concrete manufacturing? CO2
4. Describe briefly about bleeding? CO2
5. What are the various vibration techniques used for concrete CO2

### Unit-3

1. Define Water/cement ratio CO2
2. Why is Elastic Modulii Important for Concrete? How does creep affect hardened concrete?CO2
3. Explain Abram's law? How does it affect concrete? CO2
4. Explain briefly about Tension test? CO2
5. What is creep of concrete? What is shrinkage of concrete? CO2
6. What is the relation between creep & time? CO2
7. Describe types of NDT tests? CO2

**Unit-4**

1. Explain Concrete Durability. CO3
2. Describe ACI method of mix design in detail. CO3
3. Define Nominal Mixes and Standard mixes. What are Designed Mixes? CO3
4. What is BIS method of mix design? CO3
5. Describe quality control of concrete? CO3

**Unit-5**

1. What are the different types of polymer concrete? CO4
2. How can high-strength concrete be classified? Explain. CO4
3. Explain the properties of polymer Impregnated Concrete. CO4
4. Distinguish between light weight concrete and high density concrete. CO4
5. Explain the various methods of polymer concrete CO4

Sample of Assignment Questions with co-po mapping

R13

Code No: 115EP

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**
**B. Tech III Year I Semester Examinations, December - 2019**
**CONCRETE TECHNOLOGY**
**(Civil Engineering)**

**Time: 3 hours** **Max. Marks: 75**

**Note:** This question paper contains two parts A and B.
Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

**PART - A** **(25 Marks)**

1.a) Write a short note on Bouges compound of cement. [2]
b) What is fineness modulus of aggregate? How it is helpful in concrete mix design? [3]
c) What is workability of concrete? [2]
d) What is the procedure of compaction of fresh concrete? [3]
e) What is gel space ratio? [2]
f) Write a short note on water cement ratio. [3]
g) Write a short note on durability of concrete. [2]
h) Write a short note on acceptance criteria. [3]
i) Write the composition of self-compaction concrete. [2]
j) List the fibers used in fiber reinforced concrete. [3]

**PART - B** **(50 Marks)**

2. Explain the term grading of aggregate. Explain its effects on properties of concrete. [10]

**OR**

3. Write a short note on mineral and chemical admixtures. [10]

4. List a test on fresh concrete. Explain any two test on fresh concrete. [10]

**OR**

5. Explain Effect of time and temperature on workability of fresh concrete. [10]

6. Briefly explain the Relation between compression and tensile strength of hardened concrete. [10]

**OR**

7. Write a short note on rebound hammer test and pullout test. [10]

8. Calculate the quantity of ingredients required to produce $1m^3$ of concrete of proportion 1:1.5:3 with w/c ratio 0.45.Bulk density of cement, sand and aggregate 1500, 1700 and $1600kg/m^3$ respectively. Assume entrapper air as 2%. [10]

**OR**

9. Explain briefly the procedure for concrete mix design as per IS 456-2000. [10]

10. Write a short note on light weight concrete. Mention any four naturally occurring and artificial light weight aggregate. [10]

**OR**

11. Write a short note on current development in Fiber reinforced concrete. [10]

---ooOoo---

Sample of previous year jntuh question paper

82

Code No: 135AD **R16**

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**B. Tech III Year I Semester Examinations, October - 2020**

**CONCRETE TECHNOLOGY**

**(Common to CE, CEE)**

**Time: 2 Hours** **Max. Marks: 75**

**Answer any five questions**
**All questions carry equal marks**

\- - -

1.a) Write a short note on Portland slag extra rapid hardening cement.
b) Discuss briefly about standard consistency test. [8+7]

2.a) Discuss briefly about flow table test.
b) Explain the effect of flyash on concrete. Discuss. [7+8]

3.a) Explain the abrasion test of aggregate test in detail.
b) Discuss in detail about alkali aggregate reaction. [8+7]

4.a) Explain briefly about thermal preparation of aggregates.
b) Discuss briefly about specific surface and surface index. [7+8]

5.a) Describe the compacting factor test for determination of workability.
b) Discuss about bleeding in detail. [8+7]

6.a) Write down about weight batching briefly.
b) Write down about machine mixing briefly. [8+7]

7.a) Compare cube and cylinder strength. Discuss in detail.
b) Discuss about indirect tension test method. [8+7]

8. Discuss briefly about the sulphur infiltrate concrete. [15]

---ooOoo---

Sample of previous jntuh question paper

110

Code No.15026/AICTE

FACULTY OF ENGINEERING

B.E. III – Semester (CE) (AICTE) (Main & Backlog) Examination, July 2021

Subject: Engineering Geology

Time: 2 Hours Max.Marks: 70

Note: Missing data, if any, may be suitably assumed

PART – A

Answer any five questions. (5x2=10 Marks)

1 Differentiate between rock and mineral.
2 How fault and joints differ?
3 Mention the types of Indian soils. Explain any one type.
4 Define springs. What are the different types of springs?
5 Mention three marine landforms and three Aeolian landforms.
6 Write briefly about stress-strain behavior of rocks.
7 Write short notes on building stones.
8 Draw the outline of a dam and label its parts.
9 Discuss the standup time of tunnels.
10 How do tsunamis occur?

OU - 1610 OU - 1610

PART – B

Answer any four questions. (4x15=60 Marks)

11 a) Write the geological description of Gabbro, Shale, Limestone and Marble.
b) Define faults. What are the different types of faults and explain any two?

12 a) Define weathering. Explain the types of weathering.
b) Write short notes on Springs, Aquifer, Aquiclude and Aquifuge.

13 a) Discuss the erosional and depositional fluvial land forms.
b) Write short notes on Electrical Resistivity method.

14 a) What are the geological considerations for the selection of building stones?
b) Write short notes on Roofing and facing stones.

15 a) Write short notes on pay line and over break.
b) How can the landslides be prevented?

16 a) What are the engineering geological investigations for water tightness in a reservoir?
b) Mention the geology of any Indian dam.

17 a) What are the different physical properties of minerals? Explain the properties.
b) Write short notes on ground water provinces of India.

Sample of previous OU question paper

**2.2.3 Quality of student projects** (25) Institute Marks : 25.00

**2.2.3 Quality of Student Projects INITIATIVES**

Project work is done by the final year Students during their II semester as a part of their Program Curriculum. The project work is carried out by students under guidance of faculty members. The Student is evaluated for the successful performance of the work by a committee constituted for this purpose. The student efficiently utilizes the technical knowledge learnt during their course work. The project work involves collection of literature, analysis design, collection of experimental data, cumulate of results , Preparation of reports, presentation of report in front departmental committee.

**PROJECT IDENTIFICATION:**

- Students are provided with brief direction on different fields to choose the Project.
- Details of past projects are shown at notice board which guarantees no repetition of project and furthermore urges the Students to improve the past works.
- Provides the Faculty list with their specialization along the area important to guide the projects.
- The information, range of abilities and enthusiasm of the Students to actualize the project are considered to attempt the project work.
- The Student Projects are chosen in accordance with Department Vision, Mission, and Program Outcomes mapping.
- Allotment of a guide for each group is done, dependent on the regular interest of the guide and student's interest.

**IMPLEMENTATION**

- The Project spaces, rules and guidelines, directions are characterized to the Understudies by the Project Coordinator.
- A project coordinator is delegated by the Head of the Department who is answerable for Planning, Scheduling and Execution of the considerable number of exercises identified with the understudy Project work.
- Project organizers issue the project timetable to the Students and the guides.
- Project Review Committee is comprised with HOD, two senior Faculty individuals from the Department, and Project Coordinators. The Project Review panel is answerable for keeping up the Quality in the Students project by exploring the Students progress intermittently, and considering the quality factors.

Projects are offered in different specializations according to the faculty expertise (as referred beneath).

1. STAAD PRO
2. ETAABS
3. CONCRETE
4. .QUANTITY SURVEY
5. .PROJECT MANAGEMENT.

**IMPACT ANALYSIS**

New innovative thoughts are conceived for Project work.

- Skills or capacities of Students improved.
- Knowledge on different parts of project management was created.
- Confidence level of the Students was boosted.

- Improved collaboration sprit.
- Implementation and sending of the Project for social advantages.
- Document preparation and presentation.
- More inclinations to grandstand their project work in Project show were observe. A. **Identification of projects and allocation methodology to Faculty Members**
- Every Final year (VIII semester) student undertakes Project which is spread over a time of 4 Months.
- Students are isolated into four classes dependent on their percentage.
- Project batch comprises of Students with most high and medium and lowest grades on the grounds that there could be possibility of connection between all the Students.
- The Students are partitioned into 14 to 15 groups dependent on their quality with each batch involving four Students, one from every category.
- The student with highest percentage among the batch is the group leader.
- Project Guides are delegated by Project Coordinator alongside the Head of the Department dependent on their area of expertise.
- Project Guides are capable to screen and guide all the Project exercises of the concerned batch.
- Students meet their particular project guide and will talk about project area, interests and will finalize the Project Title.
- Students with the direction and endorsement from their individual Project guide and project review committee submit Project titles to project co coordinator.
- Students are asked to submit hard and printed abstract to the Project Coordinators.
- Every batch needs to get guides acknowledgment letter before beginning their project work and present the equivalent to project coordinator.
- The Guides might be distributed a couple of batches dependent on their research experience.
- The Knowledge, Methodology, Skill set and Interest of the Students to execute the Project are considered to undertake project.
- The Students from that point in discussion with Guide select a topic. The Students at that point perform literature survey, figure the issue independently and afterward continue further.

**A Sample Project Work Schedule of Events are shown in Figure**

**The Above Mentioned Points are represented for simplicity in the form of a flow chart:**

# Nawab Shah Alam Khan

## COLLEGE OF ENGINEERING & TECHNOLOGY

### DEPT OF CIVIL ENGINEERING

**MAJOR PROJECTS PROGRAM SCHEDULE**

All the concern staff members and students are requested to note the following Project work schedule for the final year Btech (Civil) Students.

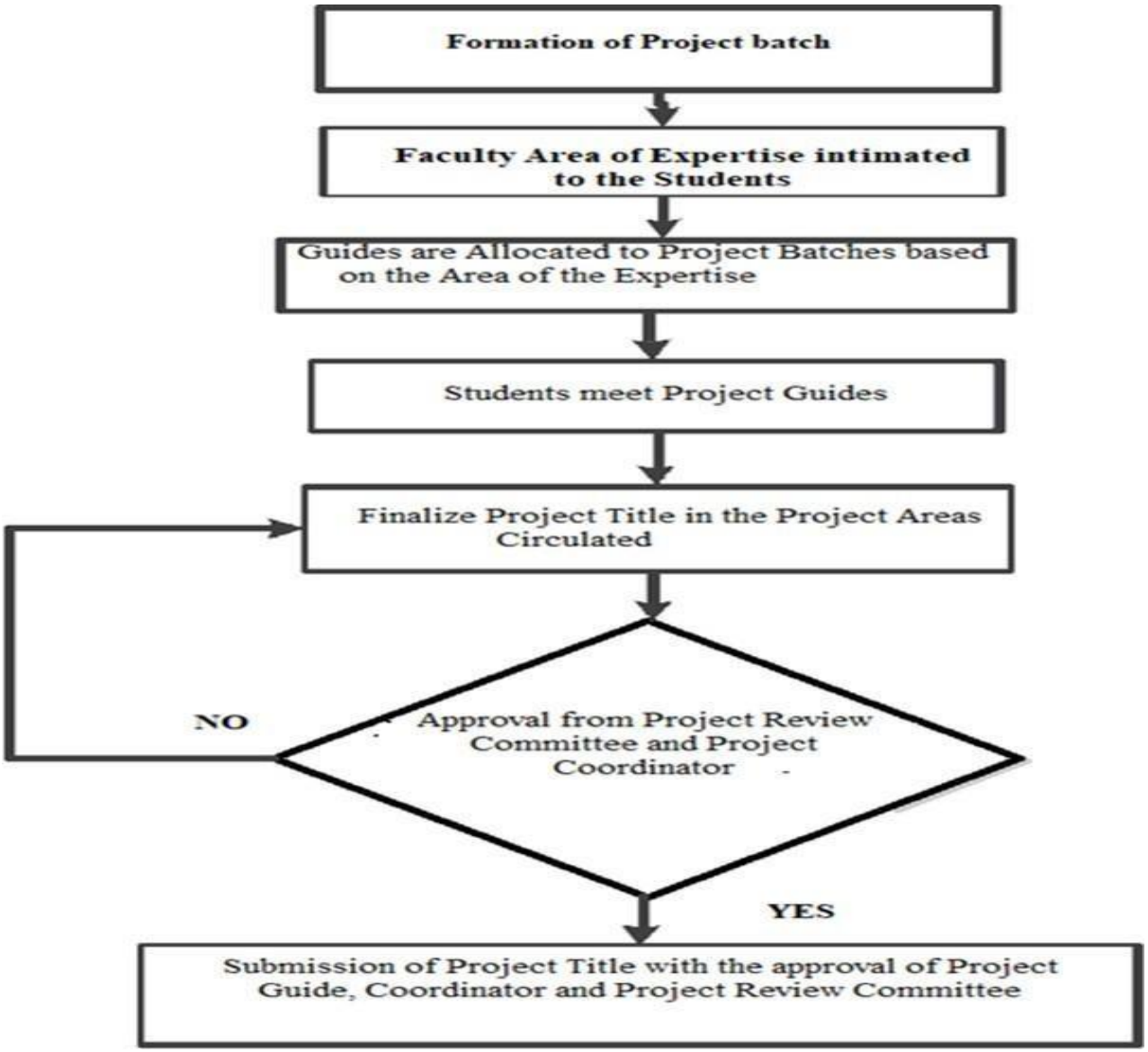
*Note: All students and Guides should follow the above schedule without any deviation.

**MAJOR PROJECTS PROGRAM SCHEDULE**

| PROGRAM | DATES | MARKS |
|---|---|---|
| Interaction | 23/12/2019 | - |
| Title & abstract submission | 13/01/2020 | 15 |
| Acceptance of title | 20/01/2020 | - |
| 1st REVIEW LITERATURE SURVEY AND WORK PROGRESS | 14/02/2020 | 15 |
| 2nd review Work accomplished Target reached | 07/03/2020 | 15 |
| 3rd review Work completion & conclusion | 28/03/2020 | 20 |
| Report & thesis submission | 04/04/2020 | 10 |
| Pre viva | 15/04/2020 | 25 |
| Final external viva | 16/04/2020 or 17/04/2020 or 18/04/2020 | 100 |

PROJECT COORDINATOR

For HOD




**Flow Diagram for showing the process of student project batch allocation**

A. **Types and relevance of the projects and their contribution towards attainment of POs and PSOs.**

In the Department of Civil Engineering, Students pick their project, which are comprehensively ordered as,

- **Industry Projects:** Under this classification the project is acted in an industry to satisfy their requirements. Department provides a guide to monitor their progress.
- **In house Projects:** Under this category Project is performed by the gathering of Students in the institute under the super Vision of the guide. Further the Department gives adaptability to Students to choose the project in any of the accompanying categories.

o **Application Oriented:** In this category, Projects are performed where the target is to accomplish any real life. o **Product Oriented:** In this category, Design and application is performed from the scratch.

o **Research Oriented:** In this class, broad survey of writing is done, which expects to learn new strategies or systems to approve results.

Following components are considered (yet not restricted) to classify project in above classes Environment, Safety, Standards and Cost.

**Relevance of the Projects and their commitment towards fulfillment of POs and PSOs.**

Project Coordinator distinguishes the Course Outcomes after meeting with the Project Review Committee and Guides for the Project work. Coming up next are the Course Outcomes Specified for the Project Work:

CO 1: Formulate a real world issue and build up its prerequisites, Develop a design solution for a lot of requirements. CO 2: Test and approve the conformance of the created model against the original problem of the issue.

CO 3: Express technical and behavioral idea and thought in oral settings.

CO 4: Express technical thoughts, procedures and systems in composed structure, Prepare and conduct oral presentations.

| CO/PO | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **CO1** | 3 | 3 | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 3 | 3 |
| **CO2** | 2 | 1 | 3 | 3 | 3 | 1 | 1 | 1 | 3 | 3 | 3 | 2 | 3 | 2 |
| **CO3** | 2 | 2 | 2 | 1 | 3 | 1 | 1 | 1 | 3 | 3 | 3 | 2 | 3 | 3 |
| **CO4** | 2 | 2 | 2 | 1 | 3 | 1 | 1 | 1 | 3 | 3 | 3 | 2 | 3 | 3 |

**C.Process for monitoring and evaluation**

**Project students should meet their respective guide weekly once and asked to explain their progress they have done in their project in that week.**

1. **They should submit project progress report weekly once and to get approved by the respective guide.**
2. **The project guides will evaluate the report submitted by the students and help them to go with project work.**
3. **Project guide will each assess each student in team and make them work in a right way. The Project review committee will finalize the project topic.**

**Project Review Committee**

| Faculty Name | Designation |
|---|---|
| **1.Prof. Syed Farrukh Anwar** | **Prof & H.O.D CIVIL DEPT** |
| **2.Mr.Md Ismail** | **Associate Professor CIVIL** |
| **3.Mr. Mohd Zaker** | **Assistant Professor CIVIL** |

**D.Process to assess individual and team performance.**

Continuous Monitoring:.

Project Students should meet their particular guide day by day once and are approached to clarify their advancement they have done in their Project. In case of Industry Projects, Project Students should meet their individual guide week after week once and are approached to clarify their advancement they have done in their undertaking.

- The Project Guide screens the progress done by the understudy in that week and help them to go with Project work.
- Project guide will evaluate every student in group and make them work in right way.
- A Project coordinator is appointed by the Head of the Department who is liable for arranging, planning and execution of the considerable number of exercises identified with the student Project work.
- Project Review Committee individuals are responsible for making the guidelines for complete assessment process: Evaluation Guidelines for Projects:

All Projects are assessed by conducting two reviews. The Criteria for conducting the evaluation process are given in the table as below.

| S.No | Topics to be covered in the Proiect | Marks |
|---|---|---|
| 1. | Interaction | - |
| 2. | Title and Abstract submission | 15 |
| 3. | Acceptance of title | - |
| 4. | 1st Review<br>Literature Survey and Work Progress | 15 |
| 5. | 2nd Review<br>Work accomplished<br>Target Reached | 15 |
| 6. | 3rd Review<br>Work Completion and Conclution | 20 |
| 7. | Report and Thesis Submission | 10 |
| 8. | Pre viva | 25 |
| | **Total Marks** | **100/2=50** |

For AY 2019-2020

| SR NO | TOPICS TO BE COVERED IN THE PROJECT | MARKS(INTERNAL MAX 25) |
|---|---|---|
| 1. | INTERACTION, TITLE & ABSTRACT SUBMISSION | 5 |
| 2. | ACCEPTANCE OF TITLE | - |
| 3. | 1st REVIEW, LITERATURE SURVEY & WORK PROGRESS | 5 |
| 4. | 2nd REVIEW, WORK ACCOMPLISHED, TARGET REACHED & CONCLUSION | 10 |
| 5. | REPPORT & THESIS SUBMISSION | 5 |
| 6. | PRE VIVA | 25 |
| | TOTAL | 50/2=25 |

**E .Quality of completed projects/working prototypes**

Evaluation of Projects is finished considering elements, for example, –

(i) The best in class innovation utilized in execution,

(ii) Their relevance to society, industry and scholastics,

(iii) The use and improvement of theoretical and experimental methods, and

(iv) The inclusion of broader areas of the most recent technologies.

Final project demo for the working model and the report is assessed by a team comprises of project review committee.

- The projects are assessed and are rewarded internal assessment marks for a maximum 50 marks. At the end of final year, according to the university plan, final viva-voce is organized. Students show their project in front of a panel consisting of.
- Internal Project Guide
- External academia/industry personnel Department project coordinator
- Working prototype, testing results, approval done is presented and judge by the Panel.

**Project List of CAY (2018 – 2019)**

| Sl.No | USN No. | Name | Topic/Title | Guided By | Laboratory |
|---|---|---|---|---|---|
| | 15RT1A0123 | Md Abdul Mannan | | | |

| | | | | | |
|---|---|---|---|---|---|
| 1 | 15RT1A0156 | Md Abdul Shahaan | Experimental investigation on concrete by addition of coir fibre | Salahuddin Shakeeb Sm | CONCRETE LAB |
| | 15RT1A0146 | Md Abdul Ahmed | | | |
| | 15RT1A0148 | Md Abdul Majeed | | | |
| 2. | 15RT1A0173 | Mohammed Nissar | Analysis and design of G+5 commercial building using STAAD PRO | SHAIK MOHAMMED JAVID | STAAD PRO |
| | 16RT5A0115 | Mohammed Hidayath Ullah | | | |
| | 15RT1A0183 | Mohammed Abdul Irfan | | | |
| | 16RT5A0120 | Mohammed Abed | | | |
| 3. | 15RT1A01C5 | Rehan Abdul Nassir | Light Weight Aerated Concrete | Md Maaz Mujahid Chowdhary | CONCRETE LAB |
| | 15RT1A01C3 | Noman Haneef | | | |
| | 15RT1A01E5 | Syed Ahmed Moin Uddin | | | |
| | 16RT1A0132 | Ummul Khair Rumana | | | |
| 4. | 16RT5A0123 | Mohammed Saleem | Analysis and design of Multi storey building (G+5 ) using STAAD PRO | Mohammed Zaker | STAAD PRO |
| | 16RT5A0125 | Syed Shafi Uddin Shaad | | | |
| | 16RT5A0126 | N Srinivas | | | |
| | 16RT5A0130 | Syed Mohiuddin | | | |
| 5. | 15RT1A01C9 | Shah Nawaz Hyder | Experimental Investigation On Concrete By Partial Replacement Of Sand By Quarry Dust | Salahuddin Shakeeb Sm | CONCRETE LAB |
| | 15RT1A01D0 | Shaik Abdul Azeem | | | |
| | 15RT1A01F8 | Syed Omar Safyaan | | | |
| | 15RT1A01G7 | Zafar Khaled Siddiqui | | | |
| | 15RT1A0178 | Mohammed Shahid | Analysis and design of a Multi storeyed residential (G+5 ) building | Mohammed Ahmed | |
| | 15RT1A0195 | Mohammed Hafeez Uddin | | | |
| | 15RT1A01A7 | Mohammed Rizwan | | | |

| | | | | | |
|---|---|---|---|---|---|
| 6. | 15RT1A0194 | Mohammed Ghouse | manually and comparing with STAAD PRO | Hussain | STAAD PRO |
| 7. | **16RT5A0121** | Mohd Asif | Analysis and design of residential building (G+7 ) using STAAD PRO | Mohammed Ahmed Hussain | STAAD PRO |
| | **16RT5A0127** | Shaik Abid Mansoori | | | |
| 8 | **15RT1A0165** | Mohd Haneef | Experimental Investigation On Concrete By Partial Replacement Of coarse aggregate with recycled coarse aggregate | Salahuddin Shakeeb Sm | CONCRETE LAB |
| | **15RT1A0172** | Mohammed Mutaher Ali | | | |
| | **15RT1A0184** | Mohd Abdul Mannan | | | |
| | **15RT1A01B8** | **Mohammed Abdul Raheem** | | | |
| | 15RT1A0181 | Mohammed Zaki Uddin | | | |
| 9 | 15RT1A0196 | **Mohd Imran Hussain** | Experimental Investigation On Concrete By Partial Replacement Of Quarry Dust With Fine Aggregate And Recycled Aggregate With Coarse Aggregate | Mohd Mubasheer Shahzeb | CONCRETE LAB |
| | 15RT1A0190 | **Mohd Ather Ali** | | | |
| | 15RT1A0180 | **Mohammed Yakub Mudassir** | | | |
| | 15RT1A01A3 | **Mohd Mujtaba Ahmed Kazimi** | | | |
| 10. | 15RT1A0133 | Mohd Rafiuddin Hussain Siddique | Analysis Of Residential Building (G+4) Manually Comparing With Using STAAD PRO | Mohammed Ahmed Hussain | STAAD PRO |
| | 15RT1A0134 | Md Rizwan | | | |
| | 15RT1A0135 | Md Sadiq | | | |
| | 15RT1A0139 | Mir Osman Ali Hashmi | | | |
| | 15RT1A0152 | Mohammed Abdul Rahman | | | |
| | 15RT1A0102 | Abdul raheem | Analysis and design of a Multi storeyed residential (G+5 ) building | | |
| | 15RT1A0103 | Abdul rahman | | | |
| | 15RT1A0153 | Mohammed abdul salam | | | |

| | | | | | |
|---|---|---|---|---|---|
| 11. | 15RT1A0155 | Mohammed abdul sami farooqui | manually and comparing with STAAD PRO | Mohammed Ahmed Hussain | STAAD PRO |
| 12. | 16RT5A0131 | Nabeela Mehreen | Analysis And Design Of Commercial Building (G+5) Using STAAD PRO | SHAIK MOHAMMED JAVID | STAAD PRO |

**Project List of AY (2019 – 2020)**

| **MAJOR PROJECT TITLES FOR ACADEMIC YEAR 2019-2020** | | | | |
|---|---|---|---|---|
| **Sr No** | **Name Of Faculty Member** | **Major Project Title (4B) 2019-2020** | **Student Roll No** | **Name** |
| **1** | **MR. Mohd Azheruddin** | **ANALYSIS AND DESIGN ON RESIDENTIAL BUILDING USING ETABS** | **16RT1A0174** | **Nazim** |
| | | | **16RT1A0186** | **Uzair** |
| | | | **16RT1A0187** | **Zaffer** |
| | | | **16RT1A0190** | **Kareem** |
| | | | | |
| **2** | **MR. MOHD ZAKER** | **BACTERIAL CONCRETE (SELF HEALING CONCRETE)** | **16RT1A0176** | **Rehan** |
| | | | **16RT1A0178** | **Sajid** |
| | | | **16RT1A0179** | **Samee** |
| | | | **16RT1A0195** | **Ibrahim** |
| | | | | |

| | | | | |
|---|---|---|---|---|
| **3** | **MR. MOHD YUSUF AHMED** | **Experimental Investigation on Fibre Reinforce Concrete by Addition of Steel Fibres & Glass Fibres** | **16RT1A01F2** | **Furqan** |
| | | | **16RT1A01E5** | **Ishaqui** |
| | | | **16RT1A01G9** | **Baseer** |
| | | | **16RT1A01F6** | **Murtuza** |
| | | | | |
| **4** | **MR. SALAHUDDIN SHAKEEB** | **EXPERIMENTAL INVESTIGATION ON CONCRETE BY PARTIAL REPLACEMENT OF FRESH COARSE AGGREGATE WITH RECYCLED COARSE AGGREGATE AND ADDITION OF CRIMPED FIBERS** | **17RT5A0135** | **Minhaj** |
| | | | **16RT5A01D2** | **Towsheed** |
| | | | **16RT5A01D1** | **Reda** |
| | | | **17RT5A0133** | **Ilyas** |
| | | | | |
| **5** | **MR. MOHD MUBASHIR SHAZEB** | **EXPERIMENTAL INVESTIGATION ON CONCRETE BY ADDITION OF COIR FIBRE** | **16RT1A01B8** | **Mohsin** |
| | | | **16RT1A0198** | **Junaid** |
| | | | **17RT5A0115** | **Rahman** |
| | | | **16RT1A01H0** | **Ahmed** |

**Project List of AY (2020-2021)**

| SL NO | H.T.NO. OF THE STUDENTS | NAME OF THE STUDENTS | BATCH NO | TITLE OF THE PROJECT | GUIDE NAME |
|---|---|---|---|---|---|
| 1 | 17RT1A0116 | HABEEB BABA | 1 | ANALYSIS AND DESIGN ON COMMERCIAL BUILDING(G+5) USING ETABS | SYED FARRUKH ANWAR |
| | 17RT1A0103 | ABDULLAH SHAFIUDDIN | | | |
| | 17RT1A0125 | KHATEEB MOHAMMED YASERRAZA | | | |
| | 17RT1A0122 | KHAJAMUDASSIRHUSSAIN | | | |
| | 13RT1A0132 | MOHAMMED ZAIDUDDIN | | | |

| | | | | | |
|---|---|---|---|---|---|
| 2 | 16RT1A01G2 | SYED SHUJAUDDIN AAFAQ | 2 | ANALYSIS AND DESIGN OF MULTI STOREY COMMERCIAL BUILDING (G+4) USING STAAD PRO | MOHD YOUSUF AHMED |
| | 16RT1A01C7 | OMAR MOHAMMED FAIYAZ | | | |
| | 16RT1A01F8 | SYED SADATH ALI SHAH HUSSAINI | | | |
| | 16RT1A0167 | MOHAMMED MAZHAR UDDIN | | | |
| 3 | 17RT1A0183 | MOHAMMED ZESHAN | 3 | A PROJECT REPORT ON ESTIMATION AND COSTING IN G+2 RESIDENTIAL BULDING | MOHD ABDUL AQUIL |
| | 17RT1A0151 | MOHAMMED ALI | | | |
| | 17RT1A0172 | MOHAMMED OMER | | | |
| | 17RT1A0182 | MOHAMMED ZAKI ALI | | | |
| 4 | 17RT1A0143 | MOHAMMED ABDUL BILLAL SIDDIQUI | 4 | ANALYSIS AND DESIGN OF MULTISTORIED BUILDIN+7 WIND LOAD | MOHD MUBASHEER SHAZEB |
| | 17RT1A0150 | MOHAMMED AHMED HUSSAIN | | | |
| | 17RT1A0110 | BADAR UBAID UR QURESHI | | | |
| | 16RT1A01A1 | MOHD MINHAJ UDDIN | | | |
| 5 | 17RT1A0181 | MOHAMMEDZAINUL ABADEEN | 5 | ANALYSIS AND DESIGN OF MULTISTORIED RESIDENTIAL BUILDING (G+5) USING ETABS | MOHAMMED IMTIYAZ QURESHI |
| | 17RT1A0174 | MOHAMMED QUTUBUDDIN | | | |
| | 17RT1A0184 | MOHAMMED ABDUL AZEEN | | | |
| | 17RT1A0187 | MOHAMMED ABDUL WASEY | | | |
| 6 | 16E01A0141 | ARBAAZ KHAN | 6 | ANALYSIS AND DESIGN OF MULTI-STOREYED RESIDENTIAL BUILDING (G+7) | MOHD RIYAN |
| | 15E01A0133 | MUZAMMIL HUSSAIN | | | |
| | 15E01A0150 | MOHD NADEEM | | | |
| | 16E01A0121 | KASIM MOHAMMED ZAID KAMRAN | | | |
| | 17RT1A0133 | MD SAIF AMEEN FAROOQI | | | |
| 7 | 17RT1A0141 | MOHAMMED ABDUL AQEEB AHMED | 7 | ANALYSIS AND DESIGN OF MULTI-STOREYED(G+5) RESIDENTAL BUILDING USING STAAD PRO | SALAHUDDIN SHAKEEB SM |
| | 17RT1A0144 | MOHAMMED ABDUL MAAZ | | | |
| | 17RT1A0140 | MOHAMMAD MASTANJAVED | | | |

| | | | | | |
|---|---|---|---|---|---|
| | 17RT1A0190 | MOHDAZAM KHAN | | | |
| 8 | 17RT1A0189 | MOHD ATIF ALI | 8 | ESTIMATION AND COSTING OF RESIDENTIAL BUILDING G+5 | MOHD AZHARUDDIN |
| | 17RT1A0177 | MOHAMMED SALMAN | | | |
| | 17RT1A0168 | MOHAMMED MUQEEDAHMED | | | |
| | 17RT1A0199 | MOHD MURTUZA ALI | | | |
| 9 | 17E01A0113 | MOHAMMED ASAD UDDIN | 9 | PROJECT PLANNING OF RESIDENTIAL MANSION USING PRIMAVERA P6 | USAMA ALAMODI |
| | 17E01A0101 | SYED NAWAZ | | | |
| | 17E01A0104 | SYED VASIM | | | |
| 10 | 16RT1A0114 | HUZAIFA SYED ASIF | 10 | PROJECT MANAGEMENT OF RESIDENTIAL APARTMENT USING PRIMAVERA P6 | MOHD JAVED |
| | 16RT1A01D6 | SHEHZAN KHAN | | | |
| | 16RT1A01H1 | MOHD KASHIF QURESHI | | | |
| | 15RT1A0137 | MOHAMMED TOUFEEQ | | | |
| | 16RT1A0119 | KHAJA MOHSIN UDDIN | | | |
| 11 | 16RT1A01B2 | MOHD SUBOOR AHMED KHAN SABIR | 11 | COMMERCIAL BUILDING SEISMIC ANALYSIS BY ETABS | MOHD HASEEB |
| | 16RT1A01C6 | NUMAN MOHD AFZAL | | | |
| | 16K31A0129 | MOHD ABRAR | | | |
| | 17RT1A0197 | MOHD IMAAD | | | |
| 12 | 16RT1A01G1 | SYED SHOEB MOHIUDDIN | 12 | ANALYSIS AND DESIGN OF G+20 RESIDENTIAL BUILDING USING ETABS | MD ISMAIL |
| | 16RT1A01G8 | ZUBAID ULLAH KHAN | | | |
| | 16RT1A01F9 | SYED SANA ULLAH HUSSAINI | | | |
| 13 | 15RT1A0191 | MOHD AYAZ | 13 | DESIGN OF STEEL STRUCTURE (FUNCTION HALL) USING STAAD PRO | HUZAIFA YAMAN |
| | 15RT1A0192 | MOHD FAHAD | | | |
| | 15RT1A01B5 | MOHAMMED WASI | | | |
| 14 | 17RT1A0138 | MIRZA RASHEED ALI BAIG | 14 | ANALYSIS AND DESIGN ON RESIDENTIAL BUILDING USING ETABS | MOHAMMED RAFI |
| | 17RT1A0153 | MOHAMMED ASIF | | | |
| | 17RT1A0154 | MOHAMMED ASIF UDDIN JUNAID | | | |
| | 17RT1A0157 | MOHAMMED BIN HAMED AL RUBAKI | | | |
| 15 | 17E01A0127 | MOHAMMED ARSHAD | 15 | ANALYSIS AND DESIGN ON RESIDENTIAL BUILDING(G+10) USING ETABS | SYED KHALEEL ULLAH SHAH QUADRI |
| | 17E01A0110 | SYED AHMED | | | |
| | 17E01A0102 | SYED SHAH VISAM HUSSAINI | | | |

| | | | | | |
|---|---|---|---|---|---|
| | 17E01A0116 | AMIR SOHAIL | | | |
| 16 | 17E01A0118 | SYED FAZEEL AHMED | 16 | ANALYSIS AND DESIGN OF G+5 HOSPITAL USING STAAD PRO | MD ZAKER |
| | 17E01A0120 | MOHAMMED ABDUL RASHEED | | | |
| | 17E01A0112 | MOHAMMED SAYEED | | | |
| 17 | 16RT1A0185 | MOHAMMED TAHA MOHIUDDIN | 17 | ANALYSIS & DESIGN OF COMMERCIAL BUILDING (C+G+5) UNDER WIND LOAD ANALYSIS USING E-TABS | MOHD TOUFEEQ |
| | 16RT1A01E9 | SYED ASLAM ASADULLAH | | | |
| | 16RT1A0180 | MD SAQAWATH ULLAH SIDDIQUI | | | |
| | 16RT1A0182 | MOHD SHAHID ARBAZ | | | |
| 18 | 15RT1A0130 | MD MISBHA UDDIN | 18 | A PROJECT REPORT ON ANALYSIS AND DESIGN OF RESEDENTIAL BUILDING | MOHD AHMED |
| | 15RT1A0140 | MIR ZAHEER UDDIN ALI | | | |
| | 13RT1A0129 | MD SHERAZ AHMED | | | |
| | 16RT1A0121 | KHAJA WAHEEDUDDIN | | | |

**2.2.4 Initiative related to industry interaction** (15) Institute Marks : 15.00

Industrial visits are arranged for the Students once in a year dependent on the courses they are studying to fill the gap among institution and industry. The Industry involvement is focused towards developing considerable interaction with students towards educating them on practical application of the knowledge they gained from the industrial perspectives. This particularly enhances the attainment of PO3, PO5, PO6, PO7, PO8, PO10, and PO12. The Department has signed MoUs with industries for internship purpose , conduction of workshops, Projects, etc. Resource people from industry are invited for seminars, workshops to fill the gap.

The following activities are planned as part of industrial training/tours.

- The relevant areas for laboratories and training students in-house are identified. Based on the above
- activity, the set of industries are identified.
- The types of laboratories are identified and objectives are stated.
- The industries to be associated with courses are identified, for partial course delivery.
- The effectiveness of laboratories usage and course delivery by the industry is monitored for improvement through impact analysis and feedback.

MOU’s with Industries

MOU’s with industries to emphasize on

a. Internship
b. Project Workshop for Students

c. Industry Visits
d. Students specific Training (like Total Station)
e. Faculty Development Program

To enhance the interaction with the industries, the table shows the list of companies with MOU's have been signed by our college.

| S. No | Industry Name | MOUs Date |
|---|---|---|
| 1 | Classic Consulting Associates, Hyderabad | 10th June, 2015 |
| 2 | R9 Construction & Land Developers, Hyderabad | 4th June, 2015 |
| 3 | R9 Construction & Land Developers, Hyderabad | 02nd September, 2016 |
| 4 | Classic Consulting Associates, Hyderabad | 11th July, 2017 |
| 5 | Classic Consulting Associates, Hyderabad | 20th July, 2017 |
| 6 | Imarat Consulting Services, Hyderabad | 22th July, 2019 |
| 7 | Yontus Life Science Pvt Ltd, Hyderabad | 25th January 2020 |
| 8 | Classic Consulting Associates, Hyderabad | 25th January 2020 |
| 9 | Elegance Constructions, Hyderabad | 25th January 2020 |

YONTUS
LIFE SCIENCES PRIVATE LIMITED

# Memorandum of understanding (MOU)

This memorandum of understanding (MOU) executed on the day 25th January 2020 between YONTUS LIFE SCIENCES PRIVATE LIMITED, having its head office at # 3-29-4/A I[st] floor Kundula road, Krishna Nagar at GUNTUR-522006, Andhra Pradesh, INDIA * +91-9010285749 here in after called YONTUS.

AND

Department of Civil Engineering (CE), Nawab Shah Alam Khan College of Engineering and Technology, located at 116-4-1, near railway station, new malakpet, Hyderabad, Telangana, which is affiliated to Osmania University, approved by AICTE, New Delhi, Accredited by NAAC here in after called as NSAKCET.

The parties wish to collaborate with each other for providing outsourcing services on training on all aspects of water and soil testing which desirous in the industry, placement assistance and internship (for selected students) in order to make the students industry ready and increase their responsibility, for a period of 5 years from the date of signing of this MOU and further extendable of the parties here by agree to the following criteria YONTUS will be providing training to civil engineering students of NSAKCET in the areas of latest soil & water testing that are practiced in the industry.

YONTUS will be providing training to CE students of NSAKCET. All the training session will be held at YONTUS only guest lecturer and guidance will be given by experts of YONTUS.

All the students shall be permitted in batches as per the schedule provided by the coordinators of the dept. of NSAKCET and their progress will be monitored and conveyed by YONTUS to the coordinators.

In witness where of the parties have executed the memorandum of understanding by their authorized representative in the presence of the following witness out of their free will consent and without any coercion or due influence on 25th of January 2020.

YONTUS LIFE SCIENCES PVT. LTD.
# 3-29-39-4/A, 1st Floor, Kundula Road, Krishna Nagar
Guntur - 522 006, Andhra Pradesh, INDIA • PH : 0863 2266199
website : www.yontus.com • email : info@yontus.com
CIN : U24304AP2016PTC103065

Signed for and on behalf of YONUTS through its authorized representative.

2. Name: Dr. Ch. Bala Seshavara Reddy

Designation: Director

For YONUTS LIFE SCIENCES PVT. LTD.
signature: 25/01/2020
Director/Authorised Signatory

Witness Dr. Rihana Parveen Shaik
QA - Head

signature: 25/01/2020

in the presence of Dr. Rihana Parveen & Dr. Syed Abdul Sattar signed and delivered on 25th January 2020 by the name NSAKCET through its, authorized representative.

Name: Dr. Syed Abdul Sattar
Designation : Principal

Nawab Shah Alam Khan College of Engineering & Technology 16-4-1/A, New Malakpet, Hyderabad-500024.

Signature: 25/01/2020

with stamp

PRINCIPAL
Nawab Shah Alam Khan
College of Engineering & Technology
New Malakpet, Hyderabad-500024.

In the presence of Md. Ismail Associate Prof. (Civil Engg. Dept.) 1. Md. Ismail 25/01/2020

Cell No: 9848468559.

Dr.S.Amresh Babu Prof. & HOD (Civil Engg. Dept.) 2.

Cell No: 9849567467

HEAD 25/1/20
Dept. of Civil Engineering
NAWAB SHAH ALAM KHAN COLLEGE
OF ENGINEERING & TECHNOLOGY
# 16-4-1/A, New Malakpet, Hyd-024.T.S.




తెలంగాణ तेलंगाना TELANGANA

S 344451

Sl.No: 4008 Date : 13TH March, 2019
Sold to : MAHBOOB ALAM KHAN
S/o. SHAH ALAM KHAN, Hyd.
For Whom: NAWAB SHAH ALAM KHAN COLLEGE OF ENGINEERING & TECHNOLOGY, Hyd.

ZAMEER
LICENCED STAMP VENDOR
L. No.15-14-006, R.No.15-14-014/2018
H.No.1-5, Kurmalguda (V) Saroornagar (M).
R.R. Dist-500 069 CELL No.9396335052

## Memorandum of Understanding (MOU)

This memorandum of Understanding executed on the day 22nd of July 2019 between: IMARAT CONSULTING SERVICES, having its head office at D. No 6-2-45/7, Advocate Colony, A.C. Guards, Hyderabad, Telangana - 500029.

AND

M/s. Department of Civil Engineering, Nawab Shah Alam Khan College of Engineering and Technology, located at #16-4-1, Near Railway Station, New Malakpet, Hyderabad, which is affiliated to Osmania University, Approved by AICTE, New Delhi, Accredited to NAAC, here after called as NSAKCET.

The parties wish to collaborate with each other for providing outsourcing services on Training, Placement Assistance and Internship (for selected students) of students for a period of 3 years from the date of signing of this MOU and further extendable.

**The Parties here-by agree to the following criterion:-**

- IMARAT will be providing training to Civil Engineering Students of Nawab Shah Alam Khan College of Engineering and Technology, in the areas of latest technologies that are practiced in the industry with in the activities related to IMARAT.

- IMARAT will be providing training to Civil Engineering Students of Nawab Shah Alam Khan College of Engineering and Technology, based on newly introduced civil softwares.
- All the training sessions will be held at NSAKCET only.
- Guest lectures are to be given by experts of IMARAT at NSAKCET.
- Every year IMARAT permits industrial visit for the B.Tech (CIVIL) students of NSAKCET, as and when requested as per the schedule of IMARAT.
- Permit M.Tech students to do their research activity at IMARAT.
- All the above activities shall be informed to IMARAT minimum 30 days prior and subjected to availability of IMARAT resources, approvals will be given to NSAKCET.

IN WITNESS WHERE OF, the parties have executed the Memorandum of Understanding by their authorized representatives in the presence of the following witnesses out of their free will and consent without any coercion or undue influence on 22nd of July 2019.

Signed for and on behalf of "IMARAT" through its Authorized Representatives

Name : SYED ABDUL MAJID Signature:

Designation : MANAGING DIRECTOR

IMARAT CONSULTING SERVICES * IMARAT * HYDERABAD-28 *

**WITNESSS**

In the presence of. Mohd Yousuf Ahmad Signature

Signed and delivered on 22nd of July 2019.

By the within named "Nawab Shah Alam Khan College of Engineering and Technology" through its Authorized Representative

Name : Dr. Syed Abdul Sattar Signature

Designation: : Principal

PRINCIPAL
Nawab Shah Alam Khan
College of Engineering & Technology
New Malakpet, Hyderabad-500024.

**WITNESSS**

In the presence of Dr. S. Amaresh Babu Signature

Signed and delivered on 22nd of July 2019.

(Dr. S. Amaresh Babu)
HEAD
Dept. of Civil Engineering
NAWAB SHAH ALAM KHAN COLLEGE
OF ENGINEERING & TECHNOLOGY
# 16-4-1/A, New Malakpet,
Hyderabad-500 024, T.S.

**A. Industry supported laboratories**

To improve the nature of specialized instruction sufficiently to address the issues of the Industry, society and economy. Specialized instruction framework ought to work at ideal productivity and should create great quality engineers who will convey quality item to employers.

- To improve the arrangement of physical and HR of Institutions and Industries in the quest for advancement of specialized labor and to enroll support of industry in specialized instruction programs, so as to have better communication among Industries and Institute.

The Objectives are:

- To cross over any barrier among Industry and Institute.
- Share The Experience And Expertise Between Institutions And Industry For Mutual Benefit.
- To Organize Workshops, Conferences And Symposia With Joint Participation Of The Faculty And The Industries. Develop Good
- Work Culture In Students.
- To cultivate Research Work and create Laboratories, Discussions and Delivering Lectures on Industrial Practices, Trends and Experiences.
- Collaborative Programs with Industry.
- Encouraging engineers from industry to visit Engineering Institution to convey Guest Lectures and Workshops.
- Placement. Student Counseling and Guidance. Student Career Development Interaction through Entrepreneurship
- Development Cell.
- Joint Research and Development exercises and field examines by personnel and individuals from businesses.

The Department is trying to establish the industry supported lab and making proposals to the extent.

The Department is in continuous process for establishing the research labs with the help of the industry, Governmental bodies, and professional Organizations. The laboratory set up and run by during academic year 2018-2019, is shown in table.

| Classic Consu lting Associates | | | |
|---|---|---|---|
| S.NO | NAME OF LAB | ASSOCIATED INDUSTRY | MACHINE UTILIZATION |
| 1 | CONCRETE LAB | Classic Consulting Associates | UTM,CTM |

**B. Industry involvement in the program design and partial delivery of any regular course for Students.**

- Some of the undertakings embraced by VIII Semester projects do look for direction from Industry. So as to plan different contributions on course the Institution consults the industry. Guest Lectures addresses on significant subjects of standard Curriculum are conveyed occasionally.
- Industry visits all the time are composed once in a year and all Students

Got a chance to communicate with the industry and get exposure to genuine practices.

- Many invited talks and workshops from industry asset people are orchestrated and Department invites the member from different Department and furthermore members from different universities and colleges.

- The Department of Civil Engineering has marked Memorandum of Understanding (MoU) so as to give the stage to communication between the students and industry. **C.**

**Impact analysis of industry institute interaction and actions taken thereof.**

After the training program and the class delivered by the industry experts, we conduct a questionnaire for students using the following assessment. The sample Questionnaire for students on impact analysis has been demonstrated below.

# Nawab Shah Alam Khan
## COLLEGE OF ENGINEERING & TECHNOLOGY
## DEPT OF CIVIL ENGINEERING

**Questionnaire for students on impact analysis**

| Question Number | Question | To a very great extent (4) | To a great extent (3) | To a moderate extent (2) | To some extent (1) | Not at all (0) |
|---|---|---|---|---|---|---|
| 1) | Did the industry team give the required material to help you design solutions? | | | | | |
| 2) | Did the industry give you necessary hardware and software tools? | | | | | |
| 3) | Were you able to apply the knowledge gained through curriculum and industry to complete your training? | | | | | |
| 4) | Were you able to design solutions to the problems faced? | | | | | |
| 5) | Were you able to achieve results as expected? | | | | | |

**2.2.5 Initiative related to industry internship/summer training** (15) Institute Marks : 15.00

The Students are urged to take up internship program during their semester break. Faculty members give their guidelines, recommendations and contact details of an internship program.

They additionally help the Students by cooperating with the industry experts; give the Students recommendations letters and other essential backings.

**A. Industry training / tours for Students** Industry Visits:

The faculty of the Department continually attempts to collaborate with industries for industrial visit.

| SI.NO | NAME OF THE ORGANIZATION | DATE OF VISIT |
|---|---|---|
| 1 | NAGARJUNA SAGAR DAM | 4 NOVEMBER 2019 |
| 2 | WALAMTARI HYDERABAD | 21 SEPTEMBER 2019 |
| 3 | TSERL HYDERABAD | 21 SEPTEMBER 2019 |
| 4 | MECCA MASJID HYDERABAD | 22 AUGUST 2019 |
| 5 | AAC PLANT HYDERABAD | 22 AUGUST 2019 |
| 6 | RMC PLANT HYDERABAD | 22 AUGUST 2019 |
| 7 | GANDIPET OSMAN SAGAR HYDERABAD | 3rd AUGUST 2019 |
| 8 | MIR ALAM TANK HYDERABAD | 27th JULY, 2019 |
| 9 | TSERL HYDERABAD | 30th JULY, 2016 |




Students at RMC Plant

| | | | | |
|---|---|---|---|---|
| | | Print | | |
| 1 | Internship | L&T METRO RAIL (HYDERABAD) LTD | 1. OMER KHALED SIDDIQUI. (13RT1A01A2)<br>2. MOHD ALI MURTAZA AHMED (13RT1A0172)<br>3. SYED ABDUL MOIZ (13RT1A01C0)<br>4. QAIYUM MOHAMMED KHAN (13RT1A01A3)<br>5. MOHD ZULQAR NAIN (13RT1A0198) | 08-08-2016 to 07-10-2016 |

| | | | | |
|---|---|---|---|---|
| 2 | Internship | IMARAT CONSULTING SERVICE | 1. SYED MINHAJUDDIN AHMED (17RT5A0135)<br>2. SYED MOHAMMEDD ISHAQUI (16RT1A01E5)<br>3. MOHD ZUBAIR KHAN (16RT1A01B6)<br>4. MOHAMMEDBASEER ULLAH (16RT1A01G9)<br>5. MOHAMMED ABDUL HAI (16RT1A0138) | 19-2-2018 to 21-03-2019 |
| 3 | Internship | ZAKI & ASSOCIATES | 1. MOHAMMEDBASEER ULLAH (16RT1A01G9)<br>2. MOHD MANSOOR | 05-08-2019 to |

| | | | | |
|---|---|---|---|---|
| | | | (16RT1A0165) | 05-10-2019 |
| 4 | Internship | SMART INFRASTRUCTURAL ENGINEERING SERVICES | 1. MOHAMMEDBASEER ULLAH (16RT1A01G9) 2. SYED MOHAMMEDD ISHAQUI (16RT1A01E5) 3. SYED MURTUZA AHMED (16RT1A01F6) | 15-05-2019 to 15-06-2019 |

Print



Students at Hyderabad Metro Rail Project



**Students at Satyavani Project Site**

**B. Gain Industry Work ExperienceImpact analysis of Industrial Training**

1. Have an Edge in the Job Market
2. Transition into a Job
3. Decide if this is the Right Career for You
4. Networking Opportunities
5. Apply Classroom Knowledge
6. Gain Confidence

**C. Student Feedback in initiative.**

Students submit their feedback regarding their training/summer internship on the basis of the following points: Experience of

- working in the industry.
- Independently handling the assignments.
- Hands on training on sophisticated equipments/instruments. Adaptability of the working
- environment.

Print

Effectiveness of this process is analyzed through feedback from the Students. This feedback analysis is considered for improving interaction, training opportunities in new technological areas in industries.

# Nawab Shah Alam Khan
## COLLEGE OF ENGINEERING & TECHNOLOGY
## DEPT OF CIVIL ENGINEERING

### Student Feedback on Initiatives

Table 2.2.5.8 Student Feedback on Initiatives

| Question Number | Question | To a very great extent (4) | To a great extent (3) | To a moderate extent (2) | To some extent (1) | Not at all (0) |
|---|---|---|---|---|---|---|
| 1) | Did the coordinator state clearly the main objectives? | | | | | |
| 2) | Did the coordinator understand your fields of interest? | | | | | |
| 3) | Did the coordinator give you necessary help in communicating with industry? | | | | | |
| 4) | Did the coordinator provide additional required material to you to perform your assignments in the industry? | | | | | |
| 5) | Was the coordinator well organized and enthusiastic throughout the process? | | | | | |
| Suggestions | | | | | | |

This feedback is used for the satisfactory conduct of the program. If the feedback is not satisfactory for an average value less than 2.5), further meetings are held with the coordinator and senior staff members of the department to improve the process of initiative.

## 3 COURSE OUTCOMES AND PROGRAM OUTCOMES (120) Total Marks 120.00

**Define the Program specific outcomes**

**3.1 Establish the correlation between the courses and the Program Outcomes (POs) and Program Specific Outcomes (PSOs)** (20) Total Marks 20.00

:

| | |
|---|---|
| **PSO1** | To plan the building and perform analysis, design, estimation and execute all kinds of civil Engineering Projects |
| **PSO2** | To adopt new innovative technology and use modern techniques, so as to execute the project within the stipulated time. |

**3.1.1 Course Outcomes(COs)(SAR should include course outcomes of one course from each semester of study, however, should be prepared for all courses and made available as evidence, if asked) (5)**

**Institute Marks: 5.00**

**Note: Number of Outcomes for a Course is expected to be around 6**.

| | | | |
|---|---|---|---|
| **Course Name : Solid Mechanics** | **C2 13** | **Course Year :** | **2020-2021** |

| **Items** | **2020-21** |
|---|---|
| C213.1 | Calculate the stress and strain developed in any structural member due to applied external load and can Differentiate the type of beams, and the various loading and support condition upon them. |
| C213.2 | Apply the formulae for beams under different loading condition. Draw shear force diagram and bending moment diagram for different type of beams. |
| C213.3 | **Derive** the pure bending equation, and on its basis, **Explain** the existence of normal stresses and shear stresses in the different layers of the beam and **Evaluate** the section modulus for various beam cross-sections. |
| C213.4 | **Calculate** the normal and tangential stresses on an inclined section of a bar under uniaxial, biaxial and **Evaluate** the principal stress and principal strain at a point of a stressed member and **Draw** the Mohr's circle of stresses. |

| Course Name : Fluid Mechanics | C222 | Course Year : | 22020-2021 |
|---|---|---|---|

| Items | 2020-21 |
|---|---|
| C222.1 | **Understand** the physical properties of fluid, concept of viscosity for kinematics and dynamics flow with effect of temperature, vapor pressure, surface tension, capillary rise and fall derivation of Pascal's law, Manometers(U-tube, differential, single column), |
| C222.2 | **Remembering** the classification of fluid flow, stream- streak line concept properties of it, continuity equation for 3-D flow, uses of flow nets. |
| C222.3 | **Remember** the concept of Convective and local accelerations, applications of Bernoulli's equation, concept of vortex flow. |
| C222.4 | **Remembering** Venturi meter, orifice meter and pitot tube, hot wire anemometer, discharge through notches and wires, spillways, discharge through mouthpiece |

| Course Name : Geotechnical Engineering Lab | C318 | Course Year : | 2020-2021 |
|---|---|---|---|

| Items | 2020-21 |
|---|---|
| C318.1 | the students will be able to determine the physical, index and engineering properties of soil |
| C318.2 | the students will be able to classify soils based on test results and interpret engineering behaviour based on test results |
| C318.3 | the students will be able to evaluate compaction characteristics required for field application |
| C318.4 | the students will be able to evaluate the permeability and shear strength of soils |

| Course Name : Environmental Engineering | C322 | Course Year : | 2020-2021 |
|---|---|---|---|

| Items | 2020-21 |
|---|---|
| C322.1 | **Explain** various sources of drinking water, standards of drinking water and **estimate** population and water demand. |
| C322.2 | **Apply** layout of water treatment units, layouts of water distribution systems and **design** the filters and layout of water distribution system.. |
| C322.3 | **Explain** shapes and material of sewers, house drainage components, **Examine** characteristics of sewage, and **design** sewers, waste water treatment units. |
| C322.4 | **Explain** biological treatment units, sludge disposal, waste water disposal, Air pollution and **design** the same. |

| Course Name : Prestressed Concrete | C414 | Course Year : | 2020-2021 |
|---|---|---|---|

| Items | 2020-21 |
|---|---|
| C414.1 | **Understand** the concepts of pre-stressing in concrete structures and identify the, Materials for pre-stressing.. |
| C414.2 | **Analysis** of sections for flexure and shear, Able to design prestressed concrete structures. |
| C414.3 | **Understand** the concepts of transfer of prestress in pretensioned members. |
| C414.4 | Plan measures for reclamation of saline soils. |

| Course Name : Disaster Management | C426 | Course Year : | 2020-2021 |
|---|---|---|---|

| Items | 2020-21 |
|---|---|
| C426.1 | **Understanding** Disasters, man-made Hazards and Vulnerabilities. |
| C426.2 | **Understanding** disaster management mechanism. |
| C426.3 | **Understanding** capacity building concepts and planning of disaster managements |
| C426.4 | **Applying** Concepts of disaster management Safety Plan like Safety norms and survival kits etc. |

**3.1.2 CO-PO matrices of courses selected in 3.1.1(Six matrices to be mentioned; one per semester from 3rd to 8th semester)** (5) Institute Marks: 5.00

**1. Course name: Solid Mechanics (C213)**

| Course | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C213.1 | 3 | 2 | 1 | 2 | - | - | - | 1 | - | - | - | 1 |
| C213.2 | 3 | 2 | 1 | 2 | - | 2 | - | 1 | 1 | - | - | 2 |
| C213.3 | 3 | 2 | - | 2 | - | - | - | - | 1 | 1 | 1 | 1 |
| C213.4 | 3 | 2 | - | 2 | - | - | - | - | - | - | 1 | 1 |
| **Average** | 3.00 | 2.00 | 1.00 | 2.00 | - | 2.00 | - | 1.00 | 1.00 | 1.00 | 1.00 | 1.25 |

**2. Course name: Fluid Mechanics (C222)**

| Course | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C213.1 | 2 | 1 | 1 | 3 | - | - | - | - | - | - | - | 2 |
| C213.2 | 2 | 2 | 1 | 2 | - | - | - | - | - | - | - | 2 |
| C213.3 | 3 | 1 | 2 | 2 | - | - | - | - | - | - | - | 2 |
| C213.4 | 3 | 2 | 2 | - | - | - | - | - | - | - | - | 1 |
| **Average** | 2.5 | 1.5 | 1.5 | 2.333333 | - | - | - | - | - | - | - | 1.75 |

**3. Course name: Geotechnical Engineering Lab (C318)**

| Course | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C318.1 | 2 | 2 | - | 3 | - | 2 | - | - | - | - | - | 2 |
| C318.2 | 2 | 2 | - | 3 | - | 2 | - | - | - | - | - | 2 |
| C318.3 | 2 | 2 | - | 3 | - | 2 | - | - | - | - | - | 2 |
| C318.4 | 2 | 2 | - | 3 | - | 2 | - | - | - | - | - | 2 |
| **Average** | 2 | 2 | - | 3 | - | 2 | - | - | - | - | - | 2 |

.

**. 4. Course name: Environmental Engineering (C322)**

| Course | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C322.1 | 3 | 3 | - | 1 | 1 | 2 | 2 | 1 | - | - | - | 1 |
| C322.2 | 3 | 2 | 3 | 3 | 1 | - | 1 | 1 | - | - | - | 1 |
| C322.3 | 3 | 2 | 3 | 3 | 1 | 2 | 1 | 1 | - | - | - | 1 |
| C322.4 | 3 | 1 | 2 | 1 | - | - | 1 | 1 | - | - | - | - |
| **Average** | 3 | 2 | 2.67 | 2 | 1 | 2 | 1.25 | 1 | - | - | - | 1 |

**5. Course name: Pre stressed Concrete (C414)**

| Course | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C414.1 | 2 | 2 | 1 | - | - | - | - | - | - | - | - | - |
| C414.2 | 2 | 2 | 2 | - | - | - | - | - | - | - | - | - |
| C414.3 | 2 | 2 | 1 | - | - | - | - | - | - | - | - | - |
| C414.4 | 1 | 2 | 1 | - | - | - | - | - | - | - | - | - |
| **Average** | 1.75 | 2 | 1.25 | - | - | - | - | - | - | - | - | - |

Print

**6. Course name: Disaster Management (C426)**

| Course | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C423.1 | 1 | 1 | - | - | - | - | - | - | - | - | - | - |
| C423.2 | - | - | 2 | - | - | - | - | - | - | - | - | - |
| C423.3 | 1 | 1 | | - | 1 | - | - | - | - | - | - | - |
| C423.4 | | | 2 | 1 | - | - | - | - | - | - | - | - |
| **Average** | 1 | 1 | 2 | 1 | 1 | - | - | - | - | - | - | - |

**1. Course Name : Solid Mechanics (C213)**

| Course | PSO1 | PSO2 |
|---|---|---|
| C213.1 | **1** | **-** |
| C213.2 | **2** | **-** |
| C213.3 | **-** | **-** |
| C213.4 | **-** | **-** |
| **Average** | **1.5** | - |

**2. Course Name : Fluid Mechanics (C222)**

| Course | PSO1 | PSO2 |
|---|---|---|
| C228.1 | - | |
| C228.2 | - | - |
| C228.3 | 1 | 2 |
| C228.4 | - | 2 |
| **Average** | 1 | 2 |

**3. Course Name : Geotechnical Engineering Lab (C318)**

| Course | PSO1 | PSO2 |
|---|---|---|
| C312.1 | 1 | - |
| C312.2 | 1 | - |
| C312.3 | 1 | - |
| C312.4 | 1 | - |
| Average | 1 | - |

**4 . Course name: Environmental Engineering (C322)**

| Course | PSO1 | PSO2 |
|---|---|---|
| C329.1 | 1 | 1 |
| C329.2 | 1 | 1 |
| C329.3 | 2 | - |
| C329.4 | 1 | - |
| **Average** | 1.25 | 1 |

**5. course name : Prestressed Concrete (C414)**

| Course | PSO1 | PSO2 |
|---|---|---|
| C415.1 | 1 | 1 |
| C415.2 | 1 | - |
| C415.3 | 1 | - |
| C415.4 | 1 | 1 |
| **Average** | 1 | 1 |

**6. Course Name : Disaster management (C426)**

| Course | PSO1 | PSO2 |
|---|---|---|
| C423.1 | 1 | 1 |
| C423.2 | 1 | 1 |
| C423.3 | 2 | 2 |
| C423.4 | 2 | - |
| **Average** | 1.5 | 1.33 |

1.1.3 Program level course -PO/PSOs matrix of all courses including first year courses.

| COURSE CODE | SUBJECT NAME | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C111 | Mathematics-I | 1.00 | 1.00 | 1.00 | 1.50 | 1.33 | 1.33 | - | - | 1.00 | - | - | 1.00 |
| C112 | Chemistry | 1.00 | 1.00 | 1.00 | 1.00 | 2.00 | 2.50 | 2.25 | 1.00 | - | - | 1.00 | 1.00 |
| C113 | Programming for Problem Solving | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | - | 1.00 | - | - | 1.00 |
| C114 | Environmental Science | 1.00 | - | - | 3.00 | 3.00 | - | 3.00 | 3.00 | 2.50 | - | - | 1.00 |
| C115 | Chemistry Lab | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | - | 1.00 | - | - | - |
| C116 | Programming for Problem Solving Lab | 2.75 | 1.00 | 1.00 | 1.50 | 2.25 | 1.00 | 1.67 | - | 1.00 | 1.00 | 1.00 | 1.00 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C117 | Workshop/ Manufacturing Process | 2.00 | 1.50 | 1.00 | 2.00 | 1.25 | 1.25 | 1.00 | - | 2.75 | - | - | 2.00 |
| C121 | English | 1.00 | 1.00 | - | 1.33 | 1.00 | 1.50 | 1.25 | 1.67 | 1.25 | 2.25 | 1.50 | 1.00 |
| C122 | Mathematics-II | 1.00 | 1.00 | 1.00 | 1.00 | 2.00 | - | 1.00 | - | - | 1.67 | 1.50 | 1.00 |
| C123 | Physics | 2.00 | 1.00 | - | 1.50 | - | 1.00 | 1.00 | - | - | 1.00 | - | 1.00 |
| C124 | Engineering Mechanics | 2.50 | 2.00 | 1.50 | 1.25 | - | 1.75 | 2.00 | 2.00 | - | 1.00 | - | 2.25 |
| C115 | English Lab | 1.00 | 1.00 | - | 1.33 | 1.00 | 1.50 | 1.25 | 1.67 | 1.25 | 2.25 | 1.50 | 1.00 |
| C116 | Physics Lab | 1.33 | 1.50 | 1.50 | 1.00 | 1.50 | 1.00 | 2.00 | 1.50 | 1.50 | 1.00 | 1.00 | 1.00 |
| C117 | Engineering Graphics & Design | 2.00 | 1.75 | 2.00 | 1.50 | 2.00 | 1.50 | 1.50 | - | - | 1.50 | 1.75 | 1.75 |
| C211 | Industrial Psychology | 1.00 | 1.00 | - | 1.50 | 1.25 | 1.75 | 2.25 | 2.50 | 2.00 | 2.50 | 1.25 | 1.00 |
| C212 | Engineering Geology | 1.00 | 1.00 | 1.00 | - | 1.00 | 2.00 | 2.00 | 1.00 | 1.00 | - | 1.00 | - |
| C213 | Solid Mechanics | 3.00 | 2.00 | 1.00 | 2.00 | - | 2.00 | - | 1.00 | 1.00 | 1.00 | 1.00 | 1.25 |
| C214 | Engineering Mechanics | 2.50 | 2.00 | 1.50 | 1.25 | - | 1.75 | 2.00 | 2.00 | - | 1.00 | - | 2.25 |
| C215 | Surveying and Geomatics | 2.75 | 2.67 | - | - | 2.75 | - | - | 1.00 | 2.00 | - | - | - |
| C217 | Energy Sciences and Engineering | 1.33 | 1.00 | - | 1.50 | 2.67 | 1.00 | 1.50 | - | 1.00 | 1.00 | 2.50 | - |
| C218 | Engineering Geology Lab | 2.50 | 2.00 | - | 2.00 | 2.00 | - | - | - | - | 1.00 | - | - |
| C219 | Surveying Lab | 2.00 | 1.75 | 1.75 | - | - | 1.50 | - | - | - | - | - | - |
| C221 | Effective Technical Communication in English | 1.00 | 1.00 | - | 2.33 | - | - | - | - | - | - | - | 1.00 |
| C222 | Fluid Mechanics | 2.50 | 1.50 | 1.50 | 2.33 | - | - | - | - | - | - | - | 1.75 |
| C223 | Mathematics – III (PDE, Probability & Statistics) | 1.00 | 2.00 | - | 1.00 | 2.00 | - | 1.00 | - | - | 1.67 | 1.50 | 1.50 |
| C224 | Mechanics of Materials and Structures | 2.40 | 2.75 | 1.00 | - | - | - | - | 1.00 | - | - | - | - |
| C225 | Finance and Accounting | 1.00 | 1.00 | - | 2.33 | - | - | - | - | - | - | - | 1.00 |
| C226 | Elements of Mechanical Engineering | 1.00 | 1.00 | - | - | - | - | - | 1.25 | - | - | - | - |
| C227 | Materials: Testing and Evaluation | 2.80 | 1.75 | 2.00 | 1.00 | - | 1.00 | 1.00 | 1.00 | 1.33 | - | 1.00 | 1.50 |
| C228 | Solid Mechanics Lab | 2.50 | 1.75 | 1.00 | 1.00 | - | 1.00 | 1.00 | 1.00 | 1.33 | - | 1.00 | 1.50 |
| C229 | Materials: Testing and Evaluation Lab | 2.00 | 2.50 | - | 2.00 | 2.50 | - | 2.50 | - | - | - | - | 3.00 |
| C311 | Structural Analysis-II | 2.50 | 3.00 | 3.00 | 2.00 | 3.00 | - | - | - | - | - | - | - |
| C312 | Geotechnical Engineering | 2.25 | 1.75 | 2.50 | - | - | 1.33 | - | 1.50 | - | - | - | - |
| C313 | Structural Engineering –I (RCC) | 2.00 | 2.00 | 2.00 | 1.00 | 1.00 | 1.25 | - | 2.00 | 2.00 | - | - | - |
| C314 | Transportation Engineering | 2.25 | 1.75 | 2.50 | - | - | 1.33 | - | 1.50 | - | - | - | - |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C315 | Concrete Technology | 2.00 | 2.25 | 2.67 | 2.50 | 2.00 | 2.00 | 1.00 | 1.00 | 2.00 | 2.00 | - | 2.00 |
| C316 | Engineering Economics and Accountancy | 1.00 | 1.00 | - | 1.50 | 1.00 | 1.00 | 1.50 | - | 2.25 | - | - | - |
| C317 | Highway Engineering and Concrete Technology Lab | 1.75 | 2.00 | 2.00 | 2.50 | 1.00 | 1.00 | - | - | 2.00 | - | - | - |
| C318 | Geotechnical Engineering Lab | 2.00 | 2.00 | - | 3.00 | - | 2.00 | - | - | - | - | - | 2.00 |
| C319 | Advanced Communication Skills Lab | 1.67 | 1.00 | - | 1.33 | 1.00 | 1.50 | 1.25 | 1.67 | 1.25 | 2.25 | 1.50 | 1.00 |
| C321 | Hydrology & Water Resources Engineering | 2.75 | 3.00 | 2.25 | 2.00 | - | - | - | - | - | - | - | - |
| C322 | Environmental Engineering | 2.50 | 2.00 | 2.67 | 2.00 | 1.00 | 2.00 | 1.25 | 1.00 | - | - | - | 1.00 |
| C323 | Foundation Engineering | 2.00 | 2.50 | 2.33 | 1.67 | 3.00 | 1.00 | - | - | 2.00 | 2.00 | - | - |
| C324 | Structural Engineering –II (Steel) | 2.40 | 2.50 | 2.50 | 2.00 | - | - | 1.00 | 1.00 | - | - | - | 1.00 |
| C325 | Prestressed Concrete | 1.75 | 2.00 | 1.25 | - | - | - | - | - | - | - | - | - |
| C326 | Fundamentals of Management for Engineers | 1.25 | 1.00 | - | - | 1.50 | 0.67 | - | 0.75 | 2.75 | 1.50 | 2.25 | - |
| C326 | Environmental Engineering Lab | 2.00 | 2.00 | - | 3.00 | 2.00 | - | 2.00 | 2.00 | - | 2.00 | - | 2.67 |
| C327 | Computer Aided Design Lab | 2.00 | 2.33 | 2.00 | - | 3.00 | 3.00 | - | - | 2.00 | - | - | 2.00 |
| C328 | Environmental Science | 2.00 | 1.00 | - | 3.00 | 3.00 | - | 3.00 | 3.00 | 2.50 | - | - | 1.00 |
| C411 | Transportation Engineering | 2.00 | 1.50 | 1.50 | - | - | 1.00 | - | - | - | - | - | - |
| C412 | Estimation Quantity Surveying and Valuation | 2.00 | 2.25 | 1.25 | - | 2.00 | - | - | - | 2.00 | - | - | 2.00 |
| C413 | Construction Technology and Management. | 2.00 | 2.50 | 2.00 | - | 2.00 | 1.00 | 2.00 | 2.00 | 1.67 | 2.00 | 2.00 | 1.00 |
| C414 | Prestressed Concrete. | 1.75 | 2.00 | 1.25 | - | - | - | - | - | - | - | - | - |
| C415 | Traffic Engineering. | 2.00 | 2.00 | 3.00 | 2.00 | - | 2.00 | - | 2.00 | 2.00 | - | - | 2.00 |
| C416 | Transportation Engineering Lab | 1.00 | 2.25 | - | 2.50 | - | 2.00 | - | - | - | - | - | 2.00 |
| C417 | Environmental Engineering Lab | 2.00 | 2.00 | - | 3.00 | 2.00 | 0.00 | 2.00 | 2.00 | - | 2.00 | - | 2.67 |
| C418 | Industry Oriented Mini Project | 2.00 | 2.00 | 1.75 | 1.50 | 1.75 | 1.25 | 1.00 | 1.00 | 2.25 | 2.25 | 1.50 | 2.00 |
| C419 | Seminar | 2.00 | 2.00 | 1.75 | 1.50 | 1.75 | 1.25 | 1.00 | 1.00 | 2.25 | 2.25 | 1.50 | 2.00 |
| C424 | Disaster Management | 2.75 | 2.25 | 2.00 | 1.00 | 2.50 | 2.50 | 1.25 | 0.00 | 2.50 | 2.25 | 1.50 | 1.00 |
| C425 | Waste Management. | 2.75 | 2.00 | 2.33 | - | 1.00 | 1.00 | 2.00 | 2.00 | 3.00 | 1.50 | - | - |
| C426 | Industrial Waste Water Treatment. | 1.00 | 1.00 | 2.00 | 1.00 | 1.00 | - | - | - | - | - | - | - |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C427 | Major Project | 2.00 | 2.00 | 1.75 | 1.50 | 1.75 | 1.25 | 1.00 | 1.00 | 2.25 | 2.25 | 1.50 | 2.00 |

| COURSE CODE | SUBJECT NAME | PSO1 | PSO2 |
|---|---|---|---|
| C111 | Mathematics-I | 1.50 | - |
| C112 | Chemistry | 1.00 | 1.00 |
| C113 | Programming for Problem Solving | 1.00 | 1.00 |
| C114 | Environmental Science | - | - |
| C115 | Chemistry Lab | 1.00 | - |
| C116 | Programming for Problem Solving Lab | 1.00 | 1.00 |
| C117 | Workshop/ Manufacturing Process | 1.00 | 1.33 |
| C121 | English | 1.00 | - |
| C122 | Mathematics-II | 1.00 | 1.00 |
| C123 | Physics | 1.00 | 1.00 |
| C124 | Engineering Mechanics | 2.00 | 1.25 |
| C115 | English Lab | 1.00 | 1.00 |
| C116 | Physics Lab | 1.33 | 1.50 |
| C117 | Engineering Graphics & Design | 1.50 | 1.50 |
| C211 | Industrial Psychology | 1.00 | - |
| C212 | Engineering Geology | 1.00 | - |
| C213 | Solid Mechanics | 1.50 | - |
| C214 | Engineering Mechanics | 2.00 | 1.25 |
| C215 | Surveying and Geomatics | 1.67 | 2.75 |
| C217 | Energy Sciences and Engineering | 1.00 | 1.00 |
| C218 | Engineering Geology Lab | 1.00 | - |
| C219 | Surveying Lab | 2.00 | 1.25 |
| C221 | Effective Technical Communication in English | 1.00 | 1.00 |
| C222 | Fluid Mechanics | 1.00 | 2.00 |
| C223 | Mathematics – III (PDE, Probability & Statistics) | 1.00 | - |
| C224 | Mechanics of Materials and Structures | 2.50 | - |
| C225 | Finance and Accounting | - | 1.00 |

| | | | |
|---|---|---|---|
| C226 | Elements of Mechanical Engineering | 1.00 | - |
| C227 | Materials: Testing and Evaluation | 1.67 | - |
| C228 | Solid Mechanics Lab | 1.33 | - |
| C229 | Materials: Testing and Evaluation Lab | 1.25 | 0.75 |
| C311 | Structural Analysis-II | 2.00 | 2.00 |
| C312 | Geotechnical Engineering | 1.25 | - |
| C313 | Structural Engineering –I (RCC) | 1.00 | 1.00 |
| C314 | Transportation Engineering | 1.25 | - |
| C315 | Concrete Technology | 2.00 | - |
| C316 | Engineering Economics and Accountancy | 1.00 | 1.00 |
| C317 | Highway Engineering and Concrete Technology Lab | 1.25 | 1.00 |
| C318 | Geotechnical Engineering Lab | 1.00 | - |
| C319 | Advanced Communication Skills Lab | 1.00 | - |
| C321 | Hydrology & Water Resources Engineering | 2.75 | - |
| C322 | Environmental Engineering | 1.25 | 1.00 |
| C323 | Foundation Engineering | 1.00 | 2.00 |
| C324 | Structural Engineering –II (Steel) | 2.50 | 1.50 |
| C325 | Prestressed Concrete | 1.00 | 1.00 |
| C326 | Fundamentals of Management for Engineers | 1.00 | - |
| C326 | Environmental Engineering Lab | 2.67 | 1.50 |
| C327 | Computer Aided Design Lab | 3.00 | 3.00 |
| C328 | Environmental Science | 1.00 | - |
| C411 | Transportation Engineering | 1.50 | 1.00 |
| C412 | Estimation Quantity Surveying and Valuation | 2.75 | 1.00 |
| C413 | Construction Technology and Management. | 1.00 | 1.50 |
| C414 | Prestressed Concrete. | 1.00 | 1.00 |
| C415 | Traffic Engineering. | 1.50 | 2.00 |
| C416 | Transportation Engineering Lab | 2.00 | - |

| | | | |
|---|---|---|---|
| C417 | Environmental Engineering Lab | 2.67 | 1.50 |
| C418 | Industry Oriented Mini Project | 2.00 | 1.25 |
| C419 | Seminar | 2.00 | 1.25 |
| C424 | Disaster Management | 1.00 | 1.50 |
| C425 | Waste Management. | 1.50 | 2.00 |
| C426 | Industrial Waste Water Treatment. | 1.50 | 1.33 |
| C427 | Major Project | 2.00 | 1.25 |

**3.2 Attainment of Course Outcomes** (50) Total Marks 50.00

**3.2.1 Describe the assessment processes used to gather the data upon which the evaluation of Course Outcome is based** (10) Institute Marks: 10.00

Instances of information assessment procedures may incorporate but are not limited to, specific exam/ tutorial questions, assignments, laboratory tests, project evaluation, student records. It is a collection of art if acts that show abilities attributes and achievement secreted by the student during study period internally created assessment exams, project presentations, oral exams etc.

The key aspects in Outcome-Based Education (OBE) are the assessment of course outcomes. At the underlying phase of OBE execution, the Course Outcomes (COs) for each course are characterized based on the Program Outcome (POs) and different necessities. At the end of each course, the COs needs to be assessed and evaluated, to check whether they have been accomplished or not.

Assessment is at least one or more processes, implemented by the department, that recognize, gather, and prepare information to evaluate the achievement of Program Educational Objectives (PEO's) and Program Outcomes (PO's). Attainment is the activity or truth of accomplishing a standard outcome towards achievement of wanted objectives. Primarily attainment is the standard of academic attainment as observed by test or assessment result.

**Attainment of the COs can be calculated directly and indirectly.**

1. **Direct attainment** basically displays the student's knowledge and skills from their performance and examined from the performance of the students in all the relevant assessment categories, which include internal assessments, assignments, quiz and final university examination. These implementations provide a sampling of student's potential and provide strong proof student learning.
2. **Indirect methods**, indirect attainments for course outcome is calculated from the student's feedback (Course exit survey form).

**A) Internal Theory Assessment:**

1. The Internal Assessment marks in theory papers is considered by two tests in every semester according to the academic calendar decided by the affiliated university.
2. Maximum of 25 Internal Assessment Marks assigned in each theory subjects.
3. Question paper is prepare by considering course outcomes and any one question is to be answered from one course outcome.

4. Question papers for these course papers will be prepared by concerned course faculty and will be submitted to the Examination branch after scrutiny and approval of senior faculty and the Head of the Department.
5. The Scrutiny team consists of following faculties:

| S.no | Faculty Name | Designation |
|---|---|---|
| 1. | Prof. Farrukh anwar | Vice Principal and HOD of Civil Dept. |
| 2. | Mr. Md Ismail | Associate Professor |
| 3. | Mr. Shaik Javid | Associate Professor |
| 4. | Mr. Mohd Zaker | Associate Professor |
| 5. | Mr. Mohd Yusuf | Associate Professor |

**B) Internal Lab Assessment:**

1. The Internal Assessment marks will be based on the Record and Observation and practical test.
2. The lab in-control will direct the practical test.
3. There will be a limit of 25 Internal Assessment Marks in each practical paper.
4. The evaluation process for lab courses are done by the lab In-Charge considering the different segments:

| | |
|---|---|
| **Day to Day Performance:** | 10 marks |
| **Record Book:** | 5 marks |
| **Internal Exam and Viva:** | 10 marks |

Outcome attainment levels for all courses.

(The attainment levels shall be set considering average performance levels in the university examination or any higher value set as target for the assessment years. Attainment performance in internal assessments with respect to the Course Outcomes of a course in addition to the performance in the University examination)

**Measuring Course Outcomes attained through University Examinations**

Target has been stated in terms of percentage of students getting more than the university average marks or more as selected by the Program in the final examination. Some c indicators like average or median marks etc., the program may choose an attainment level on its own with justification.

Example related to attainment levels vs. targets: (The examples indicated are for reference only. Program may appropriately define levels)

**Attainment Level 1**: 35% students scoring more than 35% marks (target) out of the relevant maximum marks of set attainment level in the final university examination.

**Attainment Level 2**: 45% students scoring more than 35% marks (target) out of the relevant maximum marks of set attainment level in the final university examination.

**Attainment Level 3**: 55% students scoring more than 35% marks (target) out of the relevant maximum marks of set attainment level in the final university examination.

Attainment is measured in terms of actual percentage of students getting set percentage of marks.

- If targets are achieved, then all the course outcomes are attained for that year. Program is expected to set higher targets for the following years as a part of continuous imp
  If targets are not achieved the program should put in place an action plan to attain the target in subsequent years.

**Measuring CO attainment through Internal Assessments: (The examples indicated are for reference only. Program may appropriately define levels)**

Target may be stated in terms of percentage of students getting more than class average marks in each of the associated COs in the assessment parameters (mid exams, qui comprehensive viva etc. as mapped with the POs)

Example

Mid Exam 1 addresses CO1 and CO2 distributed between assignment, quiz and descriptive exam out of maximum 25 marks. Examples

related to attainment levels vs. targets:

**Attainment Level 1**: 50% students scoring more than 60% marks (target) out of the relevant maximum marks.

**Attainment Level 2**: 60% students scoring more than 60% marks (target) out of the relevant maximum marks.

**Attainment Level 3**: 70% students scoring more than 60% marks (target) out of the relevant maximum marks.

Similar targets and achievement are to be stated for mini project, seminar, major project, comprehensive viva, lab internal and lab external. Course Outcome Attainment:

For example:

Attainment through University Examination: Substantial i.e. 3 Attainment through Internal Assessment: Moderate i.e. 2

Assuming 75% weightage to University examination and 25% weightage to Internal assessment, the attainment calculations will be (75% of University lev of 2 =

2.25 + 0.5 = 2.75

Measurement of Course attainment levels for Internal & External Examinations: DIRECT METHOD

| | ACADEMIC YEAR | TARGET |
|---|---|---|
| CAY: | 2020-2021 | Competence 35% Threshold Target |
| CAYm1: | 2019-2020 | Competence 35% Threshold Target |
| CAYm2: | 2018-2019 | Competence 35% Threshold Target |

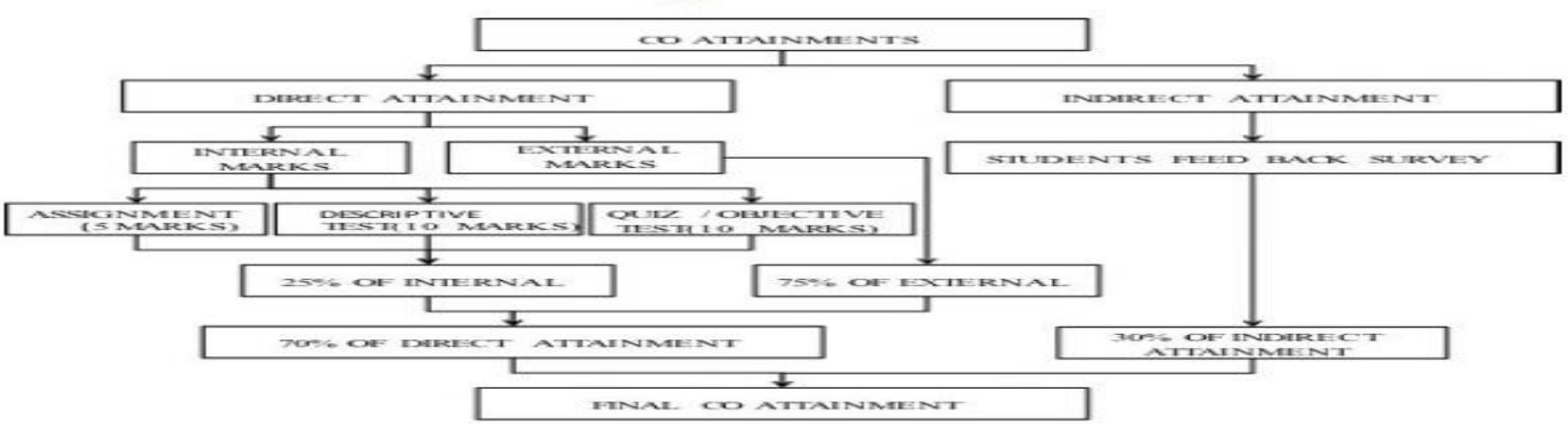
| FOR INTERNAL EXAMS | |
|---|---|
| **ATTAINMENT LEVEL** | **MID EXAM (DESCRIPTIVE + QUIZ + ASSIGNMENT)** |
| **0** | < 50% students got target |
| 1 | 50 % to 59% students got more than target |
| 2 | 60 % to 69% students got more than target |
| 3 | ≥70% students got more than target |

| FOR EXTERNAL EXAMS | | | |
|---|---|---|---|
| **ATTAINMENT LEVEL** | **CAY(19-20)** | **CAYm1** | **CAYm2** |
| 0 | < 35% students got target | < 35% students got target | < 35% students got target |
| 1 | 35 % to 44% students got more than target | 35 % to 44% students got more than target | 35 % to 44% students got more than target |
| 2 | 45 % to 54% students got more than target | 45 % to 54% students got more than target | 45 % to 54% students got more than target |
| 3 | ≥ 55 % students got more than target | ≥ 55 % students got more than target | ≥ 55 % students got more than target |

**FOR EXTERNAL LABS**

| ATTAINMENT LEVEL | TARGET-6 (CGPA) CAYM2(17-18) | TARGET-7 (CGPA) CAYM1(18-19) | TARGET-8 (CGPA) CAY(19-20) |
|---|---|---|---|
| 0 | < 50% students got target | < 50% students got target | < 50% students got target |
| 1 | 50 % to 59% students got more than target | 50 % to 59% students got more than target | 50 % to 59% students got more than target |
| 2 | 60 % to 69% students got more than target | 60 % to 69% students got more than target | 60 % to 69% students got more than target |
| 3 | ≥ 70% students got more than target | ≥ 70% students got more than target | ≥ 70% students got more than target |

After obtaining the rubrics of direct and indirect attainments, the final attainment is calculated as the sum of 70 % of direct attainment and 30% of indirect attainment. Final attainments are compared with the benchmark values presented in the above tables. If the final attainment score is greater than the benchmark value, it is considered as attended, otherwise not attended.




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**CO attainment calculation of a course (sample).**

**NAWAB SHAH ALAM KHAN COLLEGE OF ENGINEERING AND TECHNOLOGY**

**DEPARTMENT OF CIVIL ENGINEERING**

**CO Feedback form**

**Academic Year** 2020-2021

| | |
|---|---|
| **Course Name with Code** | SOM-1 & C213 |
| **Class** | BE Civil - III Semester |
| **Faculty Name** | MOHD YOUSUF AHMED |

| CO Attainment | Internal Attainment | External Attainment | DIRECT ATTAINMENT LEVEL | Indirect Attainment | Overall Attainment | COPO MAPPING |
|---|---|---|---|---|---|---|
| CO 1 | 3.00 | 3.00 | 2.00 | 2.00 | 3 | 1.57 |
| CO 2 | 3 | 3.00 | 2.25 | 3.00 | 3 | 1.78 |
| CO 3 | 2.00 | 3.00 | 2.25 | 2.00 | 2.3 | 1.57 |
| CO 4 | 1.00 | 3.00 | 2.25 | 1.00 | 1.6 | 1.80 |
| Overall Course Attainment | | | 2.19 | 2.00 | 2.48 | 1.68 |
| Set Target for the course | | | | | | |
| Course Attainment | | | | | | |
| Status(Yes/No) | | | | | | YES |

| Percentage of students attained CO | CO attainment rubric |
|---|---|
| %CO ≥ 80 | 3 |
| 65 ≤ %CO < 80 | 2 |
| %CO < 65 | 1 |

H.O.D

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**3.2.2 Record the attainment of Course Outcome of all courses with respect to set attainment levels (40) Program shall have set Course. CO - CO (A) TABLE.**

| COURSE CODE | SUBJECT NAME | CO1 | CO2 | CO3 | CO4 | CO(A) | CO(A) | CO(A) | CO(A) | CO (BM) | AVG CO(A) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C111 | Mathematics-I | 1.75 | 1.70 | 1.30 | 1.30 | 1.33 | 1.53 | 1.47 | 1.43 | 1.70 | 1.44 |
| C112 | Chemistry | 1.40 | 1.67 | 1.67 | 1.75 | 1.75 | 1.72 | 1.63 | 1.67 | 1.71 | 1.69 |
| C113 | Programming for Problem Solving | 1.89 | 2.00 | 2.00 | 2.29 | 3.00 | 3.00 | 2.70 | 3.00 | 2.36 | 2.93 |
| C114 | Environmental Science | 2.33 | 3.00 | 2.80 | 2.67 | 2.87 | 2.87 | 2.87 | 2.87 | 2.76 | 2.87 |
| C115 | Chemistry Lab | 0.93 | 0.43 | 0.43 | 0.43 | 2.86 | 2.86 | 2.77 | 2.93 | 2.02 | 2.85 |
| C116 | Programming for Problem Solving Lab | 1.89 | 2.00 | 2.00 | 2.29 | 2.25 | 2.25 | 2.25 | 2.25 | 2.13 | 2.25 |
| C117 | Workshop/ Manufacturing Process | 2.10 | 2.00 | 1.70 | 1.82 | 2.90 | 2.87 | 2.85 | 2.88 | 2.49 | 2.87 |
| C121 | English | 1.64 | 1.60 | 1.58 | 1.11 | 2.80 | 2.79 | 2.99 | 2.48 | 2.33 | 2.76 |
| C122 | Mathematics-II | 2.22 | 2.25 | 2.22 | 1.80 | 1.32 | 1.23 | 1.10 | 1.32 | 1.69 | 1.24 |
| C123 | Physics | 1.00 | 1.25 | 1.33 | 0.79 | 1.38 | 1.32 | 0.97 | 1.38 | 1.37 | 1.26 |
| C124 | Engineering Mechanics | 2.09 | 1.64 | 1.82 | 1.73 | 2.01 | 1.38 | 1.04 | 1.47 | 1.84 | 1.47 |
| C115 | English Lab | 1.60 | 1.58 | 1.11 | 1.50 | 2.15 | 2.15 | 2.08 | 2.14 | 1.85 | 2.13 |
| C116 | Physics Lab | 1.50 | 1.50 | 1.33 | 1.33 | 2.78 | 2.78 | 2.75 | 2.75 | 2.21 | 2.76 |
| C117 | Engineering Graphics & Design | 1.75 | 1.50 | 1.55 | 1.45 | 2.81 | 2.78 | 2.78 | 2.77 | 2.28 | 2.78 |
| C211 | Industrial Psychology | 2.14 | 1.86 | 1.86 | 1.86 | 2.87 | 2.83 | 2.83 | 2.83 | 2.46 | 2.84 |
| C212 | Engineering Geology | 1.25 | 1.29 | 1.33 | 1.25 | 2.74 | 2.74 | 2.75 | 2.74 | 2.14 | 2.74 |
| C213 | Solid Mechanics | 1.57 | 1.78 | 1.57 | 1.80 | 2.79 | 2.82 | 2.79 | 2.82 | 2.34 | 2.80 |
| C214 | Engineering Mechanics | 2.09 | 1.64 | 1.82 | 1.73 | 1.35 | 1.41 | 1.04 | 1.41 | 1.65 | 1.30 |
| C215 | Surveying and Geomatics | 1.75 | 2.29 | 2.43 | 2.33 | 2.81 | 2.89 | 2.91 | 2.90 | 2.60 | 2.88 |
| C217 | Energy Sciences and Engineering | 1.80 | 1.63 | 1.29 | 1.67 | 2.82 | 2.79 | 2.74 | 2.80 | 2.30 | 2.79 |
| C218 | Engineering Geology Lab | 3.00 | 2.00 | 1.80 | 1.67 | 3.00 | 2.85 | 2.82 | 2.80 | 2.56 | 2.87 |
| C219 | Surveying Lab | 1.40 | 1.80 | 2.00 | 1.43 | 2.76 | 2.82 | 2.85 | 2.76 | 2.33 | 2.80 |
| C221 | Effective Technical Communication in English | 1.76 | 1.76 | 1.67 | 1.80 | 2.81 | 2.81 | 2.80 | 2.82 | 2.37 | 2.81 |
| C222 | Fluid Mechanics | 1.76 | 1.76 | 1.69 | 1.80 | 2.81 | 2.81 | 2.80 | 2.82 | 2.38 | 2.81 |
| C223 | Mathematics – III (PDE, Probability & Statistics) | 2.13 | 2.14 | 2.13 | 1.50 | 1.68 | 1.68 | 1.68 | 1.59 | 1.79 | 1.66 |
| C224 | Mechanics of Materials and Structures | 1.80 | 1.56 | 2.04 | 2.04 | 2.82 | 2.78 | 2.86 | 2.86 | 2.43 | 2.83 |
| C225 | Finance and Accounting | 1.76 | 2.00 | 1.69 | 2.04 | 2.81 | 2.85 | 2.80 | 2.86 | 2.44 | 2.83 |
| C226 | Elements of Mechanical Engineering | 1.80 | 1.56 | 2.28 | 1.80 | 1.63 | 1.59 | 1.70 | 1.63 | 1.73 | 1.64 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C227 | Materials: Testing and Evaluation | 2.03 | 1.64 | 2.03 | 2.03 | 2.85 | 2.80 | 2.85 | 2.85 | 2.47 | 2.84 |
| C228 | Solid Mechanics Lab | 1.37 | 1.25 | 1.40 | 1.03 | 2.76 | 2.74 | 2.76 | 2.70 | 2.13 | 2.74 |
| C229 | Materials: Testing and Evaluation Lab | 1.37 | 1.25 | 1.52 | 1.17 | 2.76 | 2.74 | 2.78 | 2.73 | 2.16 | 2.75 |
| C311 | Structural Analysis-II | 2.57 | 2.57 | 2.57 | 2.57 | 2.94 | 2.72 | 2.72 | 2.72 | 2.69 | 2.78 |
| C312 | Geotechnical Engineering | 1.25 | 1.80 | 1.75 | 2.00 | 2.10 | 2.18 | 2.18 | 2.21 | 1.98 | 2.17 |
| C313 | Structural Engineering –I (RCC) | 1.55 | 1.55 | 1.55 | 1.64 | 1.83 | 1.77 | 1.51 | 1.31 | 1.67 | 1.60 |
| C314 | Transportation Engineering | 1.25 | 1.80 | 1.75 | 2.00 | 1.25 | 1.22 | 0.90 | 1.04 | 1.48 | 1.10 |
| C315 | Concrete Technology | 2.00 | 2.00 | 2.33 | 2.33 | 2.64 | 2.85 | 2.90 | 2.69 | 2.52 | 2.77 |
| C316 | Engineering Economics and Accountancy | 1.55 | 1.50 | 1.33 | 1.40 | 2.78 | 2.78 | 2.75 | 2.55 | 2.19 | 2.71 |
| C317 | Highway Engineering and Concrete Technology Lab | 1.67 | 1.33 | 1.60 | 2.00 | 2.80 | 2.75 | 2.79 | 2.85 | 2.33 | 2.80 |
| C318 | Geotechnical Engineering Lab | 2.00 | 2.00 | 2.00 | 2.00 | 2.85 | 2.85 | 2.21 | 2.85 | 2.41 | 2.69 |
| C319 | Advanced Communication Skills Lab | 1.60 | 1.58 | 1.11 | 1.50 | 2.79 | 2.79 | 2.72 | 2.78 | 2.22 | 2.77 |
| C321 | Hydrology & Water Resources Engineering | 2.52 | 2.52 | 2.24 | 2.76 | 2.29 | 2.29 | 2.25 | 2.33 | 2.38 | 2.29 |
| C322 | Environmental Engineering | 1.25 | 1.50 | 1.75 | 1.20 | 1.49 | 1.35 | 1.11 | 1.25 | 1.52 | 1.30 |
| C323 | Foundation Engineering | 2.25 | 2.33 | 1.81 | 1.00 | 2.04 | 2.15 | 2.18 | 1.85 | 1.98 | 2.06 |
| C324 | Structural Engineering –II (Steel) | 1.73 | 1.78 | 1.76 | 1.76 | 2.00 | 1.40 | 0.94 | 1.31 | 1.53 | 1.42 |
| C325 | Prestressed Concrete | 1.28 | 1.69 | 1.38 | 1.24 | 1.22 | 0.95 | 0.84 | 1.10 | 1.33 | 1.03 |
| C326 | Fundamentals of Management for Engineers | 1.75 | 1.85 | 1.78 | 1.81 | 1.54 | 1.55 | 1.54 | 1.33 | 1.62 | 1.49 |
| C326 | Environmental Engineering Lab | 2.20 | 2.17 | 2.20 | 2.50 | 2.88 | 2.88 | 2.88 | 2.93 | 2.63 | 2.89 |
| C327 | Computer Aided Design Lab | 2.65 | 2.56 | 2.49 | 2.58 | 2.95 | 2.93 | 2.29 | 2.94 | 2.69 | 2.78 |
| C328 | Environmental Science | 2.33 | 3.00 | 2.96 | 2.67 | 2.90 | 3.00 | 2.99 | 2.95 | 2.87 | 2.96 |
| C411 | Transportation Engineering | 1.50 | 1.80 | 1.50 | 1.17 | 2.56 | 2.61 | 2.56 | 2.30 | 2.09 | 2.51 |
| C412 | Estimation Quantity Surveying and Valuation | 1.67 | 2.00 | 2.14 | 2.33 | 2.80 | 2.85 | 2.66 | 2.90 | 2.49 | 2.80 |
| C413 | Construction Technology and Management. | 1.57 | 2.25 | 1.50 | 2.00 | 2.15 | 2.25 | 2.14 | 2.00 | 2.01 | 2.13 |
| C414 | Prestressed Concrete. | 1.40 | 1.75 | 1.50 | 1.20 | 2.55 | 2.60 | 2.56 | 2.52 | 2.11 | 2.56 |
| C415 | Traffic Engineering. | 2.00 | 2.33 | 2.17 | 2.20 | 2.64 | 2.69 | 2.66 | 2.67 | 2.46 | 2.66 |
| C416 | Transportation Engineering Lab | 2.00 | 2.00 | 2.33 | 2.33 | 2.85 | 2.85 | 2.90 | 2.90 | 2.58 | 2.88 |
| C417 | Environmental Engineering Lab | 2.20 | 2.17 | 2.20 | 2.50 | 2.88 | 2.88 | 2.88 | 2.93 | 2.63 | 2.89 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C418 | Industry Oriented Mini Project | 1.79 | 1.79 | 1.43 | 1.71 | 2.82 | 2.82 | 2.76 | 2.81 | 2.34 | 2.80 |
| C419 | Seminar | 1.79 | 1.79 | 1.43 | 1.71 | 2.82 | 2.82 | 2.76 | 2.81 | 2.34 | 2.80 |
| C424 | Disaster Management | 1.86 | 2.06 | 1.92 | 1.98 | 2.83 | 2.86 | 2.84 | 2.85 | 2.48 | 2.84 |
| C425 | Waste Management. | 1.87 | 2.08 | 1.93 | 2.00 | 2.83 | 2.86 | 2.84 | 2.85 | 2.48 | 2.85 |
| C426 | Industrial Waste Water Treatment. | 1.90 | 2.11 | 1.97 | 2.05 | 2.84 | 2.87 | 2.84 | 2.86 | 2.50 | 2.85 |
| C427 | Major Project | 1.92 | 2.12 | 1.98 | 2.06 | 2.84 | 2.87 | 2.85 | 2.86 | 2.02 | 2.85 |

**3.1.3 - A Program level Course-PO matrix of all courses INCLUDING first year courses (10)** Institute Marks : 10.00

Instances of information assessment procedures may incorporate but are not limited to, specific exam/ tutorial questions, assignments, laboratory tests, project evaluation, student records. It is a collection of art if acts that show abilities attributes and achievement secreted by the student during study period internally created assessment exams, project presentations, oral exams etc.

The key aspects in Outcome-Based Education (OBE) are the assessment of course outcomes. At the underlying phase of OBE execution, the Course Outcomes (COs) for each course are characterized based on the Program Outcome (POs) and different necessities. At the end of each course, the COs needs to be assessed and evaluated, to check whether they have been accomplished or not.

Assessment is at least one or more processes, implemented by the department, that recognize, gather, and prepare information to evaluate the achievement of Program Educational Objectives (PEO's) and Program Outcomes (PO's). Attainment is the activity or truth of accomplishing a standard outcome towards achievement of wanted objectives. Primarily attainment is the standard of academic attainment as observed by test or assessment result.

**Attainment of the COs can be calculated directly and indirectly.**

1. **Direct attainment** basically displays the student's knowledge and skills from their performance and examined from the performance of the students in all the relevant assessment categories, which include internal assessments, assignments, quiz and final university examination. These implementations provide a sampling of student's potential and provide strong proof student learning.
2. **Indirect methods**, for example surveys and interviews ask the stakeholders to reflect on student's learning. They survey opinions or thoughts about the graduate's knowledge or skills. Indirect measures can provides information of graduate's alumni's view of their learning and how this learning is esteemed by various stakeholders are taken into consideration as indirect attainments for programme outcomes

**A) Internal Theory Assessment:**

6. The Internal Assessment marks in theory papers is considered by two tests in every semester according to the academic calendar decided by the affiliated university.
7. Maximum of 25 Internal Assessment Marks assigned in each theory subjects.
8. Question paper is prepare by considering course outcomes and any one question is to be answered from one course outcome.
9. Question papers for these course papers will be prepared by concerned course faculty and will be submitted to the Examination branch after scrutiny and approval of senior faculty and the Head of the Department.

10. The Scrutiny team consists of following faculties:

| S.no | Faculty Name | Designation |
|---|---|---|
| 1. | Prof. Farrukh anwar | Vice Principal and HOD of Civil Dept. |
| 2. | Mr. Md Ismail | Associate Professor |
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**B) Internal Lab Assessment:**

5. The Internal Assessment marks will be based on the Record and Observation and practical test.
6. The lab in-control will direct the practical test.
7. There will be a limit of 25 Internal Assessment Marks in each practical paper.
8. The evaluation process for lab courses are done by the lab In-Charge considering the different segments:

| | |
|---|---|
| **Day to Day Performance:** | 10 marks |
| **Record Book:** | 5 marks |
| **Internal Exam and Viva:** | 10 marks |

## C) Seminar Evaluation:

1. Each Student should give a Seminar in the 8th semester, conducted by Head of the Department, Seminar In charge, Class Coordinator.
2. The Committee members are:

| Faculty Name | Designation |
|---|---|
| Prof. Syed Farrukh anwar | Professor HOD of Dept. |
| Mr. Mohd Ismail | Assoc. Professor |
| Mr. Mohd Zaker | Asst. Professor |

3. Seminar topic will be finalized by considering the technology which is competitive and in demand.

- The Evaluation process for Internal Assessment are given by committee members and guide and reviewer according to Rubrics model.

| Segment | Marks | Area |
|---|---|---|
| Presentation | 10 | Classification of concepts |
| | 10 | Data in Presentation |
| | 10 | Understanding and Explanation |
| | 10 | Answering |
| Technical Seminar Report | 10 | Presentation Skills and Report |

**D) Project Evaluation:**

1. Project work starts in 8th semester and will be completed batch wise, each batch comprises of maximum of four members.
2. The Project In charge and Coordinator gives the instructions to the students by the end of 7th semester to form Project team.
3. The Project Evaluation team consists of the members:

| Faculty Name | Designation |
|---|---|
| Prof. Syed Farrukh anwar | Professor HOD of Dept. |
| Mr. Mohd Ismail | Assoc. Professor |
| Mr. Mohd Zaker | Asst. Professor |

4. Students will submit the Abstract to Coordinator and Project will be finalized by the Head of the Department by conducting the Title Finalization Review by end of 7 th semester.
5. Project Coordinators assigns the guides for project team members based on Area of specialization of faculty members.
6. The Project guides will follow up and monitor the project work and the progress of students on daily/weekly basis through schedule as mentioned below:

| S.No | Review | Scheduled Dates |
|---|---|---|
| 1. | 1 st Review | January 16th,17th,18th 2021 |

| | | |
|---|---|---|
| 2. | 2 nd Review | February 20th,21st,22nd 2021 |
| 3. | 3 rd Review | March 9th,10th,11th 2021 |

7. Three Project Reviews will be conducted by evaluating their skills and correcting them in every area of presentation during the 8 th semester by Project Evaluation team and allotted Internal Guides.
8. Marks will be given and submitted to the Head of the Department by the end of the review conducted by the External Examiner according to the schedule of panel.
9. Review will be conducted by the External Examiner according to the schedule of panel allotted by the University and then marks will be submitted to the Head of the Department and also uploaded in the university site.
10. The students will be encouraged to improve skills for technical paper presentation and also the paper publication in National and International journals.

Outcome attainment levels for all courses.

(The attainment levels shall be set considering average performance levels in the university examination or any higher value set as target for the assessment years. Attainment performance in internal assessments with respect to the Course Outcomes of a course in addition to the performance in the University examination)

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**Measuring Course Outcomes attained through University Examinations**

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Attainment is measured in terms of actual percentage of students getting set percentage of marks.

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  If targets are not achieved the program should put in place an action plan to attain the target in subsequent years.

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Example

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For example:

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Measurement of Course attainment levels for Internal & External Examinations: DIRECT METHOD

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|---|---|---|
| CAY: | 2020-2021 | Competence 35% Threshold Target |
| CAYm1: | 2019-2020 | Competence 35% Threshold Target |
| CAYm2: | 2018-2019 | Competence 35% Threshold Target |
| **FOR INTERNAL EXAMS** | | |
| **ATTAINMENT LEVEL** | **MID EXAM (DESCRIPTIVE + QUIZ + ASSIGNMENT)** | |
| **0** | < 50% students got target | |
| 1 | 50 % to 59% students got more than target | |
| 2 | 60 % to 69% students got more than target | |
| 3 | ≥70% students got more than target | |
| **FOR EXTERNAL EXAMS** | | |

| ATTAINMENT LEVEL | CAY(20-21) | CAYm1 | CAYm2 |
|---|---|---|---|
| 0 | < 35% students got target | < 35% students got target | < 35% students got target |
| 1 | 35 % to 44% students got more than target | 35 % to 44% students got more than target | 35 % to 44% students got more than target |
| 2 | 45 % to 54% students got more than target | 45 % to 54% students got more than target | 45 % to 54% students got more than target |
| 3 | ≥ 55 % students got more than target | ≥ 55 % students got more than target | ≥ 55 % students got more than target |

**FOR EXTERNAL LABS**

| ATTAINMENT LEVEL | TARGET-6 (CGPA) CAYM2(18-19) | TARGET-7 (CGPA) CAYM1(19-20) | TARGET-8 (CGPA) CAY(20-21) |
|---|---|---|---|
| 0 | < 50% students got target | < 50% students got target | < 50% students got target |
| 1 | 50 % to 59% students got more than target | 50 % to 59% students got more than target | 50 % to 59% students got more than target |
| 2 | 60 % to 69% students got more than target | 60 % to 69% students got more than target | 60 % to 69% students got more than target |
| 3 | ≥ 70% students got more than target | ≥ 70% students got more than target | ≥ 70% students got more than target |

After obtaining the rubrics of direct and indirect attainments, the final attainment is calculated as the sum of 80 % of direct attainment and 20% of indirect attainment. Final attainments are compared with the benchmark values presented in the above tables. If the final attainment score is greater than the benchmark value, it is considered as Attended, otherwise not attended.

## DIRECT ATTAINMENT

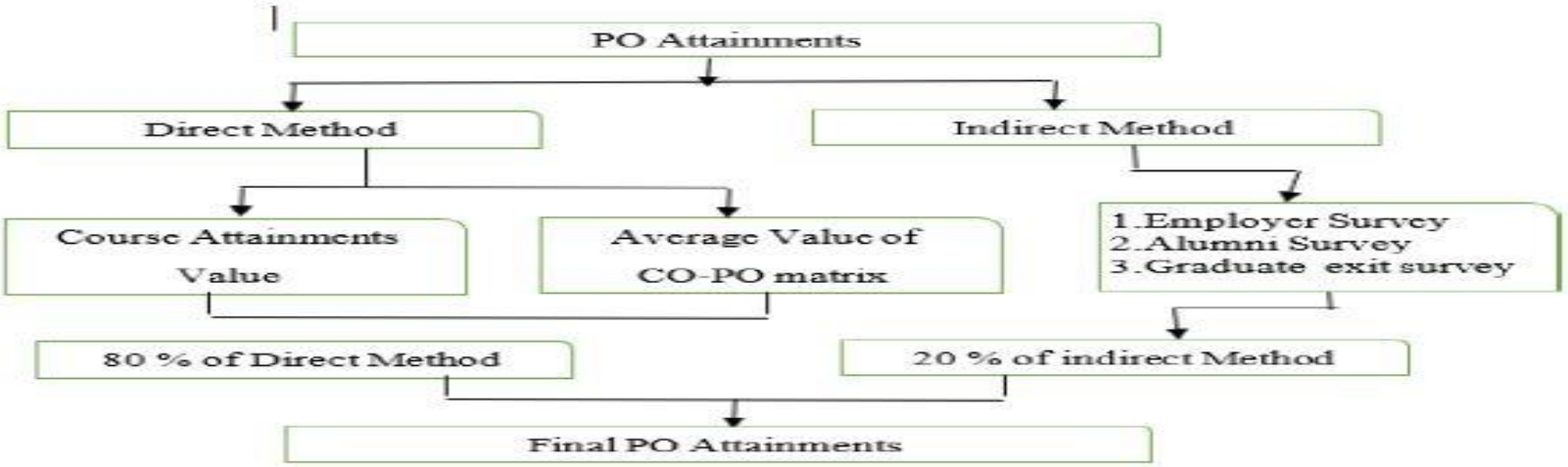



**Fig 3.3.1 Flowchart of Program Outcomes**

**3.3.2 Provide results of evaluation of PO&PSO** (40) Institute Marks : 40.00

| COURSE CODE | SUBJECT NAME | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C111 | Mathematics-I | 0.75 | 0.60 | 0.30 | 0.45 | 0.40 | 0.40 | - | - | 0.30 | - | - | 0.45 |
| C112 | Chemistry | 0.80 | 0.80 | 1.24 | 0.53 | 1.07 | 1.33 | 1.20 | 0.53 | - | - | 0.53 | 0.71 |
| C113 | Programming for Problem Solving | 2.4375 | 2.925 | 1.95 | 1.21875 | 2.68125 | - | 0.975 | - | - | - | 0.975 | - |
| C114 | Environmental Science | 2.00 | 3.00 | 3.00 | 3.00 | 3.00 | - | 3.00 | - | 2.50 | - | - | 2.00 |
| C115 | Chemistry Lab | 1.00 | 1.33 | 3.00 | 1.00 | 1.00 | 1.00 | 1.00 | - | 1.00 | - | - | 1.00 |
| C116 | Programming for Problem Solving Lab | 1.88 | 2.25 | 1.50 | 0.94 | 2.06 | - | 0.75 | - | - | - | 0.75 | - |
| C117 | Workshop/ Manufacturing Process | 2.75 | 2.50 | 2.25 | 1.50 | 2.25 | 1.00 | - | - | 1.50 | - | 1.00 | 3.00 |
| C121 | English | 1.54 | 0.93 | 1.23 | 1.23 | 1.23 | 1.39 | 1.16 | 1.54 | 1.16 | 2.08 | 1.39 | 1.62 |
| C122 | Mathematics-II | 0.90 | 0.75 | 0.68 | 0.30 | 0.60 | - | 0.30 | - | - | 0.50 | 0.45 | 0.53 |
| C123 | Physics | 0.60 | 0.30 | - | 0.45 | - | 0.30 | 0.30 | 0.00 | - | 0.30 | - | 0.45 |
| C124 | Engineering Mechanics | 0.83 | 0.53 | 0.53 | 0.38 | 0.38 | 0.38 | 0.53 | 0.00 | 0.45 | 0.38 | 0.30 | 0.45 |
| C125 | English Lab | 0.75 | 0.75 | 0.75 | 0.75 | 0.94 | 1.25 | 1.13 | 0.94 | 1.13 | 2.06 | 0.75 | 1.50 |
| C126 | Physics Lab | 1.00 | 1.33 | 3.00 | 1.00 | 1.00 | 1.00 | 1.00 | - | 1.00 | - | - | 1.00 |
| C127 | Engineering Graphics & Design | 1.25 | 1.50 | 1.25 | 1.25 | 0.75 | - | - | 0.25 | 0.25 | - | - | 0.25 |
| C211 | Industrial Psychology | 3.00 | 1.50 | 2.00 | 2.00 | 2.50 | 2.00 | 2.00 | - | 1.00 | 2.00 | 1.50 | 3.00 |
| C212 | Engineering Geology | 1.75 | - | - | - | 1.25 | 1.00 | - | 1.00 | - | - | - | - |
| C213 | Solid Mechanics | 2.75 | 2.67 | - | - | 2.75 | - | - | 1.00 | 2.00 | - | - | - |
| C214 | Engineering Mechanics | 2.30 | 1.73 | - | 0.77 | - | 0.77 | - | - | - | 0.77 | - | 0.77 |
| C215 | Surveying and Geomatics | 2.75 | 2.67 | - | - | 2.75 | - | - | 1.00 | 2.00 | - | - | - |
| C216 | Energy Sciences and Engineering | 3.00 | 2.75 | 1.75 | 2.00 | 1.25 | 1.25 | 1.00 | - | 2.75 | - | - | 3.00 |
| C217 | Engineering Geology Lab | 2.00 | - | - | - | - | - | - | - | - | 2.00 | - | - |
| C218 | Surveying Lab | 2.00 | 1.75 | 1.75 | - | - | 1.50 | - | - | - | - | - | - |
| C221 | Effective Technical Communication in English | 1.00 | 1.00 | 1.20 | 1.50 | 1.00 | - | 2.00 | 1.50 | 1.00 | 1.00 | 2.00 | 1.50 |
| C222 | Fluid Mechanics | 3.00 | 2.75 | 1.00 | - | - | - | - | 1.00 | - | - | - | - |
| C223 | Mathematics – III (PDE, Probability & Statistics) | 1.33 | 1.33 | 0.93 | 0.53 | 0.89 | 0.53 | 0.53 | 0.53 | 0.53 | 0.89 | 0.80 | 0.93 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C224 | Mechanics of Materials and Structures | 3.00 | 2.75 | - | - | - | - | - | 1.00 | - | - | - | - |
| C225 | Finance and Accounting | 1.00 | 1.25 | 1.75 | 1.00 | 1.00 | 2.00 | 1.00 | 1.67 | 2.00 | 2.00 | 2.75 | 1.50 |
| C226 | Elements of Mechanical Engineering | 2.75 | 1.75 | 1.75 | 1.25 | 1.25 | 1.25 | 1.75 | - | 1.50 | 1.25 | 1.00 | 1.50 |
| C227 | Materials: Testing and Evaluation | 3.00 | 2.75 | 1.00 | - | - | - | - | 1.00 | - | - | - | - |
| C228 | Solid Mechanics Lab | 1.00 | - | 3.00 | 1.50 | 1.00 | - | - | - | - | - | - | 1.00 |
| C229 | Materials: Testing and Evaluation Lab | 3.00 | 2.50 | 0.00 | 2.00 | 2.50 | - | 2.50 | - | - | - | - | 3.00 |
| C311 | Structural Analysis-II | 1.88 | 2.34 | 2.11 | 1.88 | 0.94 | 0.94 | 0.94 | 0.00 | 1.64 | 0.00 | 2.11 | 2.11 |
| C312 | Geotechnical Engineering | 1.5 | 0.75 | - | 1.5 | - | - | - | 0.75 | - | - | - | - |
| C313 | Structural Engineering –I (RCC) | 1.08 | 0.84 | 1.20 | - | 0.48 | 0.64 | - | 0.72 | - | - | - | - |
| C314 | Transportation Engineering | 0.52 | 0.40 | 0.57 | - | 0.23 | 0.31 | - | 0.34 | - | - | - | - |
| C315 | Concrete Technology | 1.92 | 2.40 | 2.16 | 1.92 | 0.96 | 0.96 | 0.96 | - | 1.68 | - | 2.16 | 2.16 |
| C316 | Engineering Economics and Accountancy | 0.98 | 0.98 | 0.98 | - | 0.98 | 1.96 | 1.96 | - | 0.98 | - | 0.98 | - |
| C317 | Highway Engineering and Concrete Technology Lab | 1.25 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | - | - | 1.00 | - | - | - |
| C318 | Geotechnical Engineering Lab | 1.83 | 1.83 | - | 2.75 | - | 1.83 | - | - | - | - | - | 1.83 |
| C319 | Advanced Communication Skills Lab | 2.00 | 1.75 | 1.00 | 1.67 | 1.00 | 1.75 | 1.67 | 1.75 | 1.50 | 1.50 | 1.75 | 2.00 |
| C321 | Hydrology & Water Resources Engineering | 2.06 | 2.25 | 1.69 | 1.50 | - | - | - | - | - | - | - | - |
| C322 | Environmental Engineering | 0.91 | 0.61 | 0.81 | 0.61 | 0.30 | 0.61 | 0.38 | 0.30 | - | - | - | 0.30 |
| C323 | Foundation Engineering | 1.38 | 1.72 | 1.60 | 1.15 | 2.06 | 0.69 | - | - | 1.38 | 1.38 | - | - |
| C324 | Structural Engineering –II (Steel) | 0.94 | 0.73 | 1.04 | - | 0.42 | 0.56 | - | 0.63 | - | - | - | - |
| C325 | Prestressed Concrete | 0.40 | 0.46 | 0.29 | - | - | - | - | - | - | - | - | - |
| C326 | Fundamentals of Management for Engineers | 1.08 | 0.84 | 1.20 | - | 0.48 | 0.64 | - | 0.72 | - | - | - | - |
| C327 | Environmental Engineering Lab | 3.00 | 1.00 | - | 2.25 | 0.50 | - | 1.50 | - | - | 2.00 | - | 2.00 |
| C327 | Computer Aided Design Lab | 1.83 | 2.14 | 1.83 | - | 2.75 | 2.75 | - | - | 1.83 | - | - | 1.83 |
| C328 | Environmental Science | 2.00 | 3.00 | 3.00 | 3.00 | 3.00 | - | 3.00 | - | 2.50 | - | - | 2.00 |
| C411 | Transportation Engineering | 1.60 | 1.83 | 1.15 | - | - | - | - | - | - | - | - | - |
| C412 | Estimation Quantity Surveying and Valuation | 2.94 | 2.20 | 1.31 | 2.45 | 2.28 | - | - | - | 1.31 | - | - | 1.96 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C413 | Construction Technology and Management. | 1.46 | 1.46 | 0.73 | - | - | - | - | - | 1.46 | 1.46 | 1.82 | - |
| C414 | Prestressed Concrete. | 1.60 | 1.83 | 1.15 | - | - | - | - | - | - | - | - | - |
| C415 | Traffic Engineering. | 2.29 | 1.38 | 0.92 | - | 2.75 | 0.92 | - | - | 1.83 | 0.92 | 1.38 | - |
| C416 | Transportation Engineering Lab | 2.00 | 1.50 | - | - | - | - | 1.00 | 1.00 | - | 1.00 | - | 1.00 |
| C417 | Environmental Engineering Lab | 3.00 | 1.00 | - | 2.25 | 0.50 | - | 1.50 | - | - | 2.00 | - | 2.00 |
| C418 | Industry Oriented Mini Project | 2.00 | 2.00 | 1.75 | 1.50 | 1.75 | 1.25 | 1.00 | 1.00 | 2.25 | 2.25 | 1.50 | 2.00 |
| C419 | Seminar | 2.00 | 2.00 | 1.75 | 1.50 | 1.75 | 1.25 | 1.00 | - | 2.25 | 0.50 | - | 2.00 |
| C424 | Disaster Management | 2.75 | 2.25 | 2 | 1 | 2.5 | 2.5 | 1.25 | - | 2.5 | 2.25 | 1.5 | 1 |
| C425 | Waste Management. | 2.75 | 2.00 | 2.33 | 0.00 | 1.00 | 1.00 | 2.00 | 2.00 | - | 1.50 | - | - |
| C426 | Industrial Waste Water Treatment. | 1.00 | 1.00 | 2.00 | 1.00 | - | - | - | - | - | - | - | - |
| C427 | Major Project | 2.00 | 2.00 | 1.75 | 1.50 | 1.75 | 1.25 | 1.00 | - | 2.25 | 0.50 | - | 2.00 |

**3.3.2 - B Program level Course-PSO matrix of all courses INCLUDING first year courses**

| COURSE CODE | SUBJECT NAME | PSO1 | PSO2 |
|---|---|---|---|
| C111 | Mathematics-I | 0.53 | 0.30 |
| C112 | Chemistry | 0.53 | 0.80 |
| C113 | Programming for Problem Solving | 1.3 | 2.925 |
| C114 | Environmental Science | - | - |
| C115 | Chemistry Lab | 1.00 | 1.00 |
| C116 | Programming for Problem Solving Lab | 1.00 | 2.25 |
| C117 | Workshop/ Manufacturing Process | 3.00 | 3.00 |
| C121 | English | 0.93 | 1.39 |
| C122 | Mathematics-II | 0.60 | 0.90 |
| C123 | Physics | 0.30 | 0.30 |
| C124 | Engineering Mechanics | 0.45 | 0.53 |
| C125 | English Lab | 0.94 | 0.75 |
| C126 | Physics Lab | 1.00 | 1.00 |
| C127 | Engineering Graphics & Design | 1.25 | 1.50 |
| C211 | Industrial Psychology | 3.00 | 1.50 |

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| | | | |
|---|---|---|---|
| C212 | Engineering Geology | 1.00 | - |
| C213 | Solid Mechanics | 1.67 | 2.75 |
| C214 | Engineering Mechanics | 1.15 | 0.77 |
| C215 | Surveying and Geomatics | 1.67 | 2.75 |
| C216 | Energy Sciences and Engineering | 1.25 | 1.33 |
| C217 | Engineering Geology Lab | 1.00 | 1.00 |
| C218 | Surveying Lab | 2.00 | 1.25 |
| C221 | Effective Technical Communication in English | 2.00 | 1.00 |
| C222 | Fluid Mechanics | 2.50 | - |
| C223 | Mathematics – III (PDE, Probability & Statistics) | 0.53 | 1.07 |
| C224 | Mechanics of Materials and Structures | 2.50 | - |
| C225 | Finance and Accounting | 1.67 | 1.25 |
| C226 | Elements of Mechanical Engineering | 1.50 | 1.75 |
| C227 | Materials: Testing and Evaluation | 2.50 | - |
| C228 | Solid Mechanics Lab | 1.00 | 1.00 |
| C229 | Materials: Testing and Evaluation Lab | 1.25 | 1.00 |
| C311 | Structural Analysis-II | 2.11 | 1.17 |
| C312 | Geotechnical Engineering | 0.75 | - |
| C313 | Structural Engineering –I (RCC) | 0.60 | - |
| C314 | Transportation Engineering | 0.29 | - |
| C315 | Concrete Technology | 2.16 | 1.20 |
| C316 | Engineering Economics and Accountancy | 0.98 | - |
| C317 | Highway Engineering and Concrete Technology Lab | 1.00 | 1.75 |
| C318 | Geotechnical Engineering Lab | 0.92 | - |
| C319 | Advanced Communication Skills Lab | 1.67 | 1.50 |
| C321 | Hydrology & Water Resources Engineering | 2.06 | - |
| C322 | Environmental Engineering | 0.38 | 0.30 |
| C323 | Foundation Engineering | 1.38 | 1.38 |

| | | | |
|---|---|---|---|
| C324 | Structural Engineering –II (Steel) | 0.52 | - |
| C325 | Prestressed Concrete | 0.23 | - |
| C326 | Fundamentals of Management for Engineers | 0.60 | - |
| C327 | Environmental Engineering Lab | 1.50 | 1.50 |
| C327 | Computer Aided Design Lab | 2.75 | 2.75 |
| C328 | Environmental Science | - | - |
| C411 | Transportation Engineering | 0.92 | 0.92 |
| C412 | Estimation Quantity Surveying and Valuation | 2.69 | 0.98 |
| C413 | Construction Technology and Management. | - | - |
| C414 | Prestressed Concrete. | 0.92 | 0.92 |
| C415 | Traffic Engineering. | 0.92 | 1.60 |
| C416 | Transportation Engineering Lab | 1.00 | - |
| C417 | Environmental Engineering Lab | 1.50 | 1.50 |
| C418 | Industry Oriented Mini Project | 2.00 | 1.25 |
| C419 | Seminar | 2.00 | 1.25 |
| C424 | Disaster Management | 1 | 1.5 |
| C425 | Waste Management. | 1.50 | 2.00 |
| C426 | Industrial Waste Water Treatment. | 1.50 | 1.33 |
| C427 | Major Project | 2.00 | 1.25 |

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NAWAB SHAH ALAM KHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, OSMANIA UNIVERSITY, Hyderabad

DEPARTMENT OF CIVIL ENGINEERING

B.E. II YEAR, I/II SEM - **ATTAINMENT CALCULATIONS** - Academic Year: **2020-21**

**Subject:** SOLID MECHANICS **Subject Code:** EPC221CE **Faculty:** MOHD YOUSUF AHMED

| S.No. | Hall Ticket No. | CIE -1 | | | | | | | | | | | CIE -2 | | | | | | | | | | | CIE | | SEE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ASG-1 (5M) | ASG-2 (5 M) | Part-1 Q1-abcd (6 M) | | Q 2 (7 M) | Q 3 (7 M) | BEST OF Q2&Q3 C01 | Q 4 (7 M) | Q 5 (7 M) | BEST OF Q4&Q5 C02 | CIE-1 TOTAL (30 M) | ASG-1 (5M) | ASG-2 (5 M) | Part-1 Q1abcd (6 M) | | Q 2 (7 M) | Q 3 (7 M) | BEST OF Q2&Q3 C03 | Q 4 (7 M) | Q 5 (7 M) | BEST OF Q4&Q5 C04 | CIE-2 TOTAL (30 M) | Average CIE | TOTAL Marks | End Exam |
| | | C01 | C02 | C01 | C02 | CO1 | CO1 | | CO2 | CO2 | | | C03 | C04 | C03 | C04 | CO3 | CO3 | | CO4 | CO4 | | | (30 M) | (100 M) | (70 M) |
| 1 | 161019732001 | 4 | 4 | 2 | 2 | 7 | | 7 | 3 | | 3 | 22 | 4 | 4 | 2 | 2 | 7 | | 7 | | 3 | 1 | 15 | 19 | 39 | 21 |
| 2 | 161019732002 | 3 | 4 | 3 | 3 | 4 | | 4 | | 7 | 7 | 24 | 3 | 4 | 3 | 3 | 4 | | 4 | 7 | | 7 | 24 | 21 | 49 | 29 |
| 3 | 161019732003 | 4 | 5 | 2 | 3 | | 6 | 6 | 6 | | 6 | 26 | 4 | 5 | 2 | 3 | | 6 | 6 | | 6 | 0 | 20 | 28 | 49 | 23 |
| 4 | 161019732004 | 4 | 4 | 2 | 2 | 6 | | 6 | 7 | | 7 | 25 | 4 | 4 | 2 | 2 | 6 | | 6 | | 7 | 7 | 25 | 22 | 39 | 18 |
| 5 | 161019732005 | 4 | 5 | 2 | 3 | | 5 | 5 | | | 0 | 19 | 4 | 5 | 2 | 3 | | 5 | 5 | | | 5 | 24 | 28 | 69 | 43 |
| 6 | 161019732006 | 4 | 4 | 2 | 2 | 4 | | 4 | | 3 | 3 | 19 | 4 | 4 | 2 | 2 | 4 | | 4 | 3 | | 5 | 21 | 24 | 39 | 17 |
| 7 | 161019732007 | 5 | 5 | 2 | 2 | | 5 | 5 | 7 | | 7 | 26 | 5 | 5 | 2 | 2 | | 5 | 5 | | 7 | 3 | 17 | 29 | 69 | 41 |
| 8 | 161019732008 | 4 | 4 | 2 | 3 | | | 0 | 5 | | 5 | 18 | 4 | 4 | 2 | 3 | | | 0 | | 5 | 7 | 26 | 29 | 49 | 22 |
| 9 | 161019732009 | 4 | 4 | 2 | 1 | 7 | | 7 | | | 0 | 18 | 4 | 4 | 2 | 1 | 7 | | 7 | | | 7 | 25 | 21 | 39 | 20 |
| 10 | 161019732010 | 4 | 4 | 2 | 2 | 4 | | 4 | 3 | | 3 | 19 | 4 | 4 | 2 | 2 | 4 | | 4 | | 3 | 0 | 16 | 22 | 39 | 18 |
| 11 | 161019732011 | 4 | 4 | 2 | 3 | | 6 | 6 | | 5 | 5 | 24 | 4 | 4 | 2 | 3 | | 6 | 6 | 5 | | 6 | 25 | 29 | 39 | 12 |
| 12 | 161019732013 | 4 | 4 | 2 | 2 | 3 | | 3 | 7 | | 7 | 22 | 4 | 4 | 2 | 2 | 3 | | 3 | | 7 | 4 | 18 | 20 | 49 | 31 |
| 13 | 161019732014 | 4 | 4 | 2 | 2 | 7 | | 7 | | 3 | 3 | 22 | 4 | 4 | 2 | 2 | 7 | | 7 | 3 | | 1 | 17 | 23 | 39 | 17 |
| 14 | 161019732016 | 4 | 4 | 2 | 2 | | 4 | 4 | | 3 | 3 | 19 | 4 | 4 | 2 | 2 | | 4 | 4 | 3 | | 0 | 16 | 22 | 39 | 21 |
| 15 | 161019732017 | 4 | 4 | 2 | 2 | 4 | | 4 | | 3 | 3 | 19 | 4 | 4 | 2 | 2 | 4 | | 4 | 3 | | 0 | 16 | 24 | 49 | 29 |
| 16 | 161019732018 | 4 | 4 | 2 | 2 | 7 | | 7 | 4 | | 4 | 23 | 4 | 4 | 2 | 2 | 7 | | 7 | | 4 | 6 | 25 | 19 | 39 | 23 |
| 17 | 161019732019 | 4 | 4 | 2 | 2 | | 4 | 4 | 6 | | 6 | 22 | 4 | 4 | 2 | 2 | | 4 | 4 | | 6 | 6 | 22 | 21 | 49 | 18 |
| 18 | 161019732020 | 5 | 6 | 2 | 2 | | 7 | 7 | 1 | | 1 | 23 | 5 | 6 | 2 | 2 | | 7 | 7 | | 1 | 2 | 24 | 28 | 59 | 43 |
| 19 | 161019732021 | 4 | 5 | 3 | 3 | 7 | | 7 | | | 0 | 22 | 4 | 5 | 3 | 3 | 7 | | 7 | | | 3 | 25 | 22 | 49 | 17 |
| 20 | 161019732022 | 4 | 4 | 2 | 2 | 2 | | 2 | 2 | | 2 | 16 | 4 | 4 | 2 | 2 | 2 | | 2 | | 2 | 3 | 17 | 28 | 39 | 41 |
| 21 | 161019732023 | 4 | 3 | 3 | 2 | | 6 | 6 | | 7 | 7 | 25 | 4 | 3 | 3 | 2 | | 6 | 6 | 7 | | 7 | 25 | 24 | 49 | 22 |
| 22 | 161019732024 | 4 | 4 | 2 | 2 | 4 | | 4 | | | 0 | 16 | 4 | 4 | 2 | 2 | 4 | | 4 | | | 7 | 25 | 29 | 49 | 20 |
| 23 | 161019732025 | 4 | 4 | 2 | 2 | | 5 | 5 | 5 | | 5 | 22 | 4 | 4 | 2 | 2 | | 5 | 5 | | 5 | 0 | 17 | 29 | 39 | 18 |
| 24 | 161019732026 | 4 | 5 | 3 | 3 | | 6 | 6 | | | 0 | 21 | 4 | 5 | 3 | 3 | | 6 | 6 | | | 6 | 27 | 21 | 49 | 12 |
| 25 | 161019732027 | 4 | 4 | 2 | 2 | | 3 | 3 | | | 0 | 15 | 4 | 4 | 2 | 2 | | 3 | 3 | | | 6 | 23 | 22 | 39 | 31 |
| 26 | 161019732028 | 4 | 4 | 2 | 2 | 4 | | 4 | | 5 | 5 | 21 | 4 | 4 | 2 | 2 | 4 | | 4 | 5 | | 5 | 24 | 29 | 49 | 17 |
| 27 | 161019732029 | 4 | 4 | 2 | 2 | 1 | | 1 | 7 | | 7 | 20 | 4 | 4 | 2 | 2 | 1 | | 1 | | 7 | 7 | 25 | 20 | 49 | 21 |
| 28 | 161019732030 | 4 | 4 | 3 | 3 | | 6 | 6 | 5 | | 5 | 25 | 4 | 4 | 3 | 3 | | 6 | 6 | | 5 | 0 | 20 | 23 | 59 | 29 |
| 29 | 161019732031 | 4 | 4 | 2 | 3 | | 6 | 6 | 7 | | 7 | 26 | 4 | 4 | 2 | 3 | | 6 | 6 | | 7 | 0 | 15 | 22 | 69 | 23 |
| 30 | 161019732032 | 4 | 4 | 2 | 3 | 7 | | 7 | | 5 | 5 | 25 | 4 | 4 | 2 | 3 | 7 | | 7 | 5 | | 3 | 16 | 24 | 49 | 18 |
| 31 | 161019732033 | 4 | 4 | 2 | 2 | 6 | | 6 | 4 | | 4 | 24 | 4 | 4 | 2 | 2 | 6 | | 6 | | 4 | 7 | 25 | 19 | 39 | 43 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 32 | 161019732034 | 4 | 4 | 2 | 2 | 2 | | 2 | 5 | | 5 | 19 | 4 | 4 | 2 | 2 | 2 | | 2 | | 5 | 7 | 21 | 21 | 59 | 17 |
| 33 | 161019732036 | 4 | 4 | 2 | 1 | | 3 | 3 | 5 | | 5 | 19 | 4 | 4 | 2 | 1 | | 3 | 3 | | 5 | 2 | 16 | 28 | 49 | 41 |
| 34 | 161019732038 | 4 | 4 | 2 | 1 | | 5 | 5 | | 6 | 6 | 22 | 4 | 4 | 2 | 1 | | 5 | 5 | 6 | | 6 | 21 | 22 | 69 | 22 |
| 35 | 161019732039 | 4 | 5 | 2 | 1 | | | 0 | | 7 | 7 | 19 | 4 | 5 | 2 | 1 | | | 0 | 7 | | 7 | 25 | 28 | 59 | 20 |
| 36 | 161019732040 | 4 | 5 | 3 | 2 | | 7 | 7 | 3 | | 3 | 24 | 4 | 5 | 3 | 2 | | 7 | 7 | | 3 | 0 | 17 | 24 | 59 | 18 |
| 37 | 161019732041 | 4 | 5 | 3 | 3 | 6 | | 6 | 4 | | 4 | 25 | 4 | 5 | 3 | 3 | 6 | | 6 | | 4 | 2 | 23 | 29 | 69 | 12 |
| 38 | 161019732042 | 4 | 5 | 3 | 3 | 6 | | 6 | 3 | | 3 | 24 | 4 | 5 | 3 | 3 | 6 | | 6 | | 3 | 1 | 22 | 29 | 49 | 31 |
| 39 | 161019732043 | 5 | 5 | 3 | 3 | | 7 | 7 | | | 0 | 23 | 5 | 5 | 3 | 3 | | 7 | 7 | | | 1 | 24 | 21 | 69 | 17 |
| 40 | 161019732044 | 5 | 5 | 3 | 2 | | 4 | 4 | | 6 | 6 | 25 | 5 | 5 | 3 | 2 | | 4 | 4 | 6 | | 0 | 19 | 22 | 59 | 21 |
| 41 | 161019732045 | 4 | 4 | 2 | 1 | | 7 | 7 | | 4 | 4 | 22 | 4 | 4 | 2 | 1 | | 7 | 7 | 4 | | 7 | 25 | 29 | 39 | 29 |
| 42 | 161019732046 | 4 | 4 | 2 | 3 | 2 | | 2 | | | 0 | 15 | 4 | 4 | 2 | 3 | 2 | | 2 | | | 7 | 27 | 20 | 59 | 23 |
| 43 | 161019732047 | 5 | 5 | 3 | 3 | | 7 | 1 | 4 | | 4 | 21 | 5 | 5 | 3 | 3 | | 7 | 7 | | 4 | 0 | 23 | 23 | 49 | 18 |
| 44 | 161019732050 | 5 | 5 | 3 | 2 | | 5 | 5 | | 5 | 5 | 25 | 5 | 5 | 3 | 2 | | 5 | 5 | 5 | | 5 | 27 | 22 | 59 | 43 |
| 45 | 161019732051 | 4 | 5 | 3 | 3 | 5 | | 5 | 2 | | 2 | 22 | 4 | 5 | 3 | 3 | 5 | | 5 | | 2 | 0 | 16 | 24 | 59 | 17 |
| 46 | 161019732052 | 4 | 5 | 3 | 3 | | 6 | 6 | 4 | | 4 | 25 | 4 | 5 | 3 | 3 | | 6 | 6 | | 4 | 3 | 24 | 19 | 39 | 41 |
| 47 | 161019732054 | 4 | 5 | 3 | 2 | 4 | | 4 | 7 | | 7 | 25 | 4 | 5 | 3 | 2 | 4 | | 4 | | 7 | 0 | 17 | 21 | 59 | 22 |
| 48 | 161019732055 | 4 | 5 | 3 | 3 | | 6 | 6 | 2 | | 2 | 23 | 4 | 5 | 3 | 3 | | 6 | 6 | | 2 | 0 | 15 | 28 | 69 | 20 |
| 49 | 161019732056 | 4 | 5 | 2 | 1 | | 7 | 7 | | 6 | 6 | 25 | 4 | 5 | 2 | 1 | | 7 | 7 | 6 | | 5 | 24 | 22 | 49 | 18 |
| 50 | 161019732057 | 4 | 5 | 3 | 2 | 3 | | 3 | 6 | | 6 | 23 | 4 | 5 | 3 | 2 | 3 | | 3 | | 6 | 0 | 17 | 28 | 59 | 12 |
| 51 | 161019732058 | 4 | 3 | 3 | 1 | | 3 | 3 | 7 | | 7 | 21 | 4 | 3 | 3 | 1 | | 3 | 3 | | 7 | 4 | 18 | 24 | 39 | 31 |
| 52 | 161019732059 | 4 | 5 | 1 | 3 | 4 | | 4 | | | 0 | 17 | 4 | 5 | 1 | 3 | 4 | | 4 | | | 6 | 25 | 29 | 49 | 17 |
| 53 | 161019732061 | 4 | 5 | 3 | 3 | 4 | | 4 | | 6 | 6 | 25 | 4 | 5 | 3 | 3 | 4 | | 4 | 6 | | 6 | 27 | 29 | 69 | 21 |
| 54 | 161019732062 | 5 | 5 | 3 | 3 | 5 | | 5 | 4 | | 4 | 25 | 5 | 5 | 3 | 3 | 5 | | 5 | | 4 | 4 | 27 | 21 | 59 | 29 |
| 55 | 161019732063 | 4 | 5 | 3 | 3 | | 4 | 4 | | 7 | 7 | 26 | 4 | 5 | 3 | 3 | | 4 | 4 | 7 | | 7 | 29 | 22 | 79 | 23 |
| 56 | 161019732064 | 4 | 5 | 3 | 3 | | | 0 | 6 | | 6 | 21 | 4 | 5 | 3 | 3 | | | 0 | | 6 | 7 | 29 | 29 | 49 | 18 |
| 57 | 161019732065 | 4 | 5 | 3 | 3 | | 2 | 2 | | 7 | 7 | 24 | 4 | 5 | 3 | 3 | | 2 | 2 | 7 | | 2 | 17 | 20 | 49 | 43 |
| 58 | 161019732066 | 4 | 5 | 3 | 3 | 4 | | 4 | 7 | | 7 | 26 | 4 | 5 | 3 | 3 | 4 | | 4 | | 7 | 0 | 17 | 23 | 69 | 17 |
| 59 | 161019732067 | 4 | 5 | 3 | 3 | | | 0 | | 1 | 1 | 16 | 4 | 5 | 3 | 3 | | | 0 | 1 | | 2 | 17 | 22 | 59 | 41 |
| 60 | 161019732069 | 4 | 4 | 2 | 2 | | 7 | 7 | | | 0 | 19 | 4 | 4 | 2 | 2 | | 7 | 7 | | | 7 | 25 | 24 | 39 | 22 |
| 61 | 161019732070 | 4 | 4 | 3 | 3 | | 4 | 4 | | 6 | 6 | 24 | 4 | 4 | 3 | 3 | | 4 | 4 | 6 | | 6 | 25 | 19 | 59 | 20 |
| 62 | 161019732071 | 4 | 5 | 3 | 3 | 3 | | 3 | | 1 | 1 | 19 | 4 | 5 | 3 | 3 | 3 | | 3 | 1 | | 1 | 16 | 21 | 69 | 18 |
| 63 | 161019732072 | 4 | 4 | 2 | 1 | | | 0 | 4 | | 4 | 15 | 4 | 4 | 2 | 1 | | | 0 | | 4 | 4 | 21 | 28 | 39 | 12 |
| 64 | 161019732073 | 4 | 5 | 3 | 3 | 3 | | 3 | | | 0 | 18 | 4 | 5 | 3 | 3 | 3 | | 3 | | | 0 | 16 | 22 | 59 | 31 |
| 65 | 161019732074 | 4 | 5 | 3 | 3 | 4 | | 4 | | | 0 | 19 | 4 | 5 | 3 | 3 | 4 | | 4 | | | 0 | 15 | 28 | 79 | 17 |
| 66 | 161019732076 | 4 | 4 | 2 | 1 | 5 | | 5 | 6 | | 6 | 22 | 4 | 4 | 2 | 1 | 5 | | 5 | | 6 | 1 | 17 | 24 | 69 | 21 |
| 67 | 161019732077 | 4 | 5 | 3 | 3 | 2 | | 2 | 3 | | 3 | 20 | 4 | 5 | 3 | 3 | 2 | | 2 | | 3 | 0 | 17 | 29 | 39 | 29 |
| 68 | 161019732078 | 4 | 4 | 2 | 1 | 2 | | 2 | 6 | | 6 | 19 | 4 | 4 | 2 | 1 | 2 | | 2 | | 6 | 3 | 16 | 29 | 39 | 23 |
| 69 | 161019732080 | 4 | 5 | 3 | 3 | | | 0 | | 3 | 3 | 18 | 4 | 5 | 3 | 3 | | | 0 | 3 | | 0 | 15 | 21 | 69 | 18 |
| 70 | 161019732081 | 4 | 5 | 3 | 2 | 5 | | 5 | | 2 | 2 | 21 | 4 | 5 | 3 | 2 | 5 | | 5 | 2 | | 6 | 25 | 22 | 49 | 43 |
| 71 | 161019732082 | 4 | 5 | 3 | 3 | | 6 | 6 | 4 | | 4 | 25 | 4 | 5 | 3 | 3 | | 6 | 6 | | 4 | 4 | 25 | 29 | 59 | 17 |
| 72 | 161019732083 | 4 | 4 | 3 | 1 | | 3 | 3 | | | 0 | 15 | 4 | 4 | 3 | 1 | | 3 | 3 | | | 7 | 24 | 20 | 49 | 41 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 73 | 161019732084 | 4 | 4 | 2 | 1 | 4 | | 4 | | 4 | 4 | 19 | 4 | 4 | 2 | 1 | 4 | | 4 | 4 | | 3 | 15 | 23 | 39 |
| 74 | 161019732085 | 4 | 5 | 3 | 3 | | 4 | 4 | 4 | | 4 | 23 | 4 | 5 | 3 | 3 | | 4 | 4 | | 4 | 4 | 25 | 22 | 69 |
| 75 | 161019732086 | 4 | 5 | 3 | 2 | 4 | | 4 | | 7 | 7 | 25 | 4 | 5 | 3 | 2 | 4 | | 4 | 7 | | 7 | 26 | 24 | 69 |
| 76 | 161019732087 | 5 | 5 | 3 | 3 | | 6 | 6 | 5 | | 5 | 25 | 5 | 5 | 3 | 3 | | 6 | 6 | | 5 | 7 | 28 | 19 | 69 |
| 77 | 161019732088 | 4 | 4 | 3 | 2 | 7 | | 7 | | 7 | 7 | 27 | 4 | 4 | 3 | 2 | 7 | | 7 | 7 | | 7 | 27 | 21 | 39 |
| 78 | 161019732089 | 4 | 4 | 3 | 2 | | 6 | 6 | 7 | | 7 | 26 | 4 | 4 | 3 | 2 | | 6 | 6 | | 7 | 7 | 27 | 28 | 69 |
| 79 | 161019732090 | 4 | 5 | 2 | 2 | 6 | | 6 | 3 | | 3 | 22 | 4 | 5 | 2 | 2 | 6 | | 6 | | 3 | 3 | 16 | 22 | 49 |
| 80 | 161019732091 | 4 | 5 | 2 | 2 | 3 | | 3 | | 7 | 7 | 23 | 4 | 5 | 2 | 2 | 3 | | 3 | 7 | | 7 | 24 | 28 | 69 |
| 81 | 161019732092 | 4 | 5 | 2 | 2 | 3 | | 3 | | 3 | 3 | 19 | 4 | 5 | 2 | 2 | 3 | | 3 | 3 | | 7 | 24 | 24 | 39 |
| 82 | 161019732093 | 4 | 5 | 2 | 3 | 5 | | 5 | 4 | | 4 | 23 | 4 | 5 | 2 | 3 | 5 | | 5 | | 4 | 4 | 22 | 29 | 39 |
| 83 | 161019732095 | 4 | 4 | 2 | 2 | | 4 | 4 | 7 | | 7 | 23 | 4 | 4 | 2 | 2 | | 4 | 4 | | 7 | 7 | 25 | 29 | 59 |
| 84 | 161019732096 | 4 | 4 | 2 | 2 | | 3 | 3 | | 2 | 2 | 17 | 4 | 4 | 2 | 2 | | 3 | 3 | 2 | | 3 | 21 | 21 | 39 |
| 85 | 161019732097 | 4 | 5 | 3 | 3 | | 4 | 4 | 2 | | 2 | 21 | 4 | 5 | 3 | 3 | | 4 | 4 | | 2 | 6 | 25 | 22 | 49 |
| 86 | 161019732098 | 4 | 5 | 3 | 3 | 6 | | 6 | | | 0 | 21 | 4 | 5 | 3 | 3 | 6 | | 6 | | | 5 | 27 | 29 | 49 |
| 87 | 161019732099 | 4 | 5 | 2 | 2 | | 4 | 4 | 4 | | 4 | 21 | 4 | 5 | 2 | 2 | | 4 | 4 | | 4 | 7 | 25 | 20 | 49 |
| 88 | 161019732301 | 4 | 5 | 3 | 3 | | 5 | 5 | | 7 | 7 | 27 | 4 | 5 | 3 | 3 | | 5 | 5 | 7 | | 7 | 29 | 23 | 69 |
| 89 | 161019732302 | 4 | 5 | 3 | 3 | | 5 | 5 | | 6 | 6 | 26 | 4 | 5 | 3 | 3 | | 5 | 5 | 6 | | 6 | 27 | 22 | 49 |
| 90 | 161019732303 | 4 | 5 | 2 | 3 | 6 | | 6 | 6 | | 6 | 26 | 4 | 5 | 2 | 3 | 6 | | 6 | | 6 | 6 | 26 | 24 | 69 |
| 91 | 161019732304 | 4 | 5 | 2 | 3 | 2 | | 2 | 6 | | 6 | 22 | 4 | 5 | 2 | 3 | 2 | | 2 | | 6 | 6 | 27 | 19 | 69 |
| 92 | 161019732305 | 4 | 5 | 2 | 3 | | 3 | 3 | | 6 | 6 | 23 | 4 | 5 | 2 | 3 | | 3 | 3 | 6 | | 6 | 26 | 21 | 59 |
| 93 | 161019732306 | 4 | 5 | 2 | 3 | 1 | | 1 | | | 0 | 15 | 4 | 5 | 2 | 3 | 1 | | 1 | | | 0 | 15 | 28 | 69 |
| 94 | 161019732307 | 4 | 5 | 2 | 3 | | 6 | 6 | 3 | | 3 | 23 | 4 | 5 | 2 | 3 | | 6 | 6 | | 3 | 3 | 17 | 22 | 39 |
| 95 | 161019732308 | 4 | 5 | 2 | 3 | | 7 | 7 | | 6 | 6 | 27 | 4 | 5 | 2 | 3 | | 7 | 7 | 6 | | 6 | 26 | 28 | 79 |
| 96 | 161019732309 | 5 | 5 | 2 | 3 | | 7 | 7 | 7 | | 7 | 29 | 5 | 5 | 2 | 3 | | 7 | 7 | | 7 | 0 | 17 | 24 | 89 |
| 97 | 161019732310 | 4 | 5 | 2 | 3 | 5 | | 5 | | 6 | 6 | 25 | 4 | 5 | 2 | 3 | 5 | | 5 | 6 | | 6 | 25 | 29 | 59 |
| 98 | 161019732311 | 5 | 5 | 2 | 3 | | 7 | 7 | 5 | | 6 | 28 | 5 | 5 | 2 | 3 | | 7 | 7 | | 5 | 5 | 25 | 29 | 79 |
| 99 | 161019732312 | 4 | 4 | 2 | 3 | 6 | | 6 | | | 7 | 26 | 4 | 4 | 2 | 3 | 6 | | 6 | | | 0 | 16 | 21 | 39 |
| 100 | 161019732313 | 4 | 4 | 3 | 3 | 5 | | 5 | 5 | | 5 | 24 | 4 | 4 | 3 | 3 | 5 | | 5 | | 5 | 7 | 28 | 22 | 59 |
| 101 | 161019732314 | 4 | 5 | 2 | 3 | | 6 | 6 | | 7 | 7 | 27 | 4 | 5 | 2 | 3 | | 6 | 6 | 7 | | 5 | 19 | 29 | 79 |
| 102 | 161019732315 | 4 | 5 | 2 | 3 | | 7 | 7 | | 4 | 4 | 25 | 4 | 5 | 2 | 3 | | 7 | 7 | 4 | | 2 | 23 | 20 | 59 |
| 103 | 161019732316 | 4 | 4 | 2 | 3 | 4 | | 4 | 2 | | 2 | 19 | 4 | 4 | 2 | 3 | 4 | | 4 | | 2 | 1 | 18 | 23 | 39 |
| 104 | 161019732317 | 4 | 4 | 2 | 3 | 6 | | 6 | | 7 | 7 | 26 | 4 | 4 | 2 | 3 | 6 | | 6 | 7 | | 7 | 23 | 22 | 49 |
| 105 | 161019732318 | 4 | 4 | 2 | 3 | | 2 | 2 | | 5 | 5 | 20 | 4 | 4 | 2 | 3 | | 2 | 2 | 5 | | 5 | 23 | 24 | 59 |
| 106 | 161019732319 | 4 | 5 | 2 | 2 | | 7 | 7 | 7 | | 7 | 27 | 4 | 5 | 2 | 2 | | 7 | 7 | | 7 | 5 | 24 | 19 | 69 |
| 107 | 161019732320 | 4 | 5 | 2 | 2 | | 5 | 5 | | | 0 | 18 | 4 | 5 | 2 | 2 | | 5 | 5 | | | 5 | 24 | 21 | 49 |
| 108 | 161019732321 | 4 | 5 | 2 | 2 | | | 0 | 3 | | 3 | 16 | 4 | 5 | 2 | 2 | | | 0 | | 3 | 5 | 25 | 28 | 59 |
| 109 | 161019732322 | 4 | 5 | 2 | 3 | | 5 | 5 | | 5 | 5 | 24 | 4 | 5 | 2 | 3 | | 5 | 5 | 5 | | 7 | 27 | 22 | 59 |
| 110 | 161019732323 | 4 | 5 | 2 | 3 | 7 | | 7 | | 6 | 6 | 27 | 4 | 5 | 2 | 3 | 7 | | 7 | 6 | | 5 | 25 | 28 | 69 |
| 111 | 161019732324 | 4 | 5 | 2 | 2 | 5 | | 5 | | 7 | 7 | 25 | 4 | 5 | 2 | 2 | 5 | | 5 | 7 | | 2 | 17 | 24 | 49 |
| 112 | 161019732325 | 4 | 5 | 2 | 3 | 5 | | 5 | 7 | | 7 | 26 | 4 | 5 | 2 | 3 | 5 | | 5 | | 7 | 7 | 25 | 29 | 69 |
| 113 | 161019732326 | 4 | 5 | 2 | 3 | | | 0 | 5 | | 5 | 19 | 4 | 5 | 2 | 3 | | | 0 | | 5 | 7 | 25 | 29 | 49 |
| 114 | 161019732327 | 4 | 5 | 2 | 3 | | 5 | 5 | | 7 | 7 | 26 | 4 | 5 | 2 | 3 | | 5 | 5 | 7 | | 7 | 25 | 21 | 59 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 115 | 161019732328 | 4 | 5 | 2 | 3 | | 3 | 3 | | 7 | 7 | 24 | 4 | 5 | 2 | 3 | | 3 | 3 | 7 | | 7 | 27 | 22 | 49 |
| 116 | 161019732329 | 4 | 5 | 2 | 3 | 7 | | 7 | | 6 | 6 | 27 | 4 | 5 | 2 | 3 | 7 | | 7 | 6 | | 4 | 25 | 29 | 49 |
| 117 | 161019732330 | 4 | 5 | 2 | 3 | 3 | | 3 | | 5 | 5 | 22 | 4 | 5 | 2 | 3 | 3 | | 3 | 5 | | 4 | 21 | 20 | 49 |
| 118 | 161019732331 | 4 | 5 | 2 | 3 | | 4 | 4 | 3 | | 3 | 21 | 4 | 5 | 2 | 3 | | 4 | 4 | | 3 | 3 | 23 | 23 | 69 |
| 119 | 161019732332 | 4 | 5 | 2 | 3 | 7 | | 7 | 7 | | 7 | 28 | 4 | 5 | 2 | 3 | 7 | | 7 | | 7 | 4 | 22 | 22 | 49 |
| 120 | 161019732333 | 4 | 5 | 2 | 3 | 5 | | 5 | 3 | | 3 | 22 | 4 | 5 | 2 | 3 | 5 | | 5 | | 3 | 3 | 22 | 24 | 69 |
| 121 | 161019732334 | 4 | 5 | 2 | 3 | | 1 | 1 | 7 | | 7 | 22 | 4 | 5 | 2 | 3 | | 1 | 1 | | 7 | 0 | 15 | 19 | 59 |
| 122 | 161019732335 | 4 | 5 | 2 | 3 | | 4 | 4 | | 6 | 6 | 24 | 4 | 5 | 2 | 3 | | 4 | 4 | 6 | | 3 | 21 | 21 | 69 |
| 123 | 161019732336 | 4 | 5 | 2 | 2 | 7 | | 7 | 5 | | 5 | 25 | 4 | 5 | 2 | 2 | 7 | | 7 | | 5 | 4 | 24 | 28 | 59 |
| 124 | 161019732337 | 4 | 5 | 2 | 2 | 3 | | 3 | 3 | | 3 | 19 | 4 | 5 | 2 | 2 | 3 | | 3 | | 3 | 7 | 25 | 22 | 69 |
| 125 | 161019732338 | 5 | 5 | 2 | 2 | 5 | | 5 | 3 | | 3 | 22 | 5 | 5 | 2 | 2 | 5 | | 5 | | 3 | 3 | 17 | 28 | 69 |
| 126 | 161019732339 | 4 | 5 | 2 | 3 | | 7 | 7 | | 7 | 7 | 28 | 4 | 5 | 2 | 3 | | 7 | 7 | 7 | | 6 | 23 | 24 | 79 |
| 127 | 161019732340 | 4 | 5 | 2 | 3 | | 6 | 6 | | 7 | 7 | 27 | 4 | 5 | 2 | 3 | | 6 | 6 | 7 | | 5 | 24 | 29 | 79 |
| 128 | 161019732341 | 4 | 5 | 2 | 3 | | 7 | 7 | | 6 | 6 | 27 | 4 | 5 | 2 | 3 | | 7 | 7 | 6 | | 6 | 25 | 29 | 69 |
| 129 | 161019732342 | 4 | 5 | 2 | 3 | 7 | | 7 | 7 | | 7 | 28 | 4 | 5 | 2 | 3 | 7 | | 7 | | 7 | 7 | 25 | 21 | 79 |
| 130 | 161019732343 | 4 | 5 | 2 | 3 | | 7 | 7 | | 6 | 6 | 27 | 4 | 5 | 2 | 3 | | 7 | 7 | 6 | | 6 | 27 | 22 | 69 |
| 131 | 161019732344 | 5 | 5 | 3 | 2 | | 7 | 7 | | 7 | 7 | 29 | 5 | 5 | 3 | 2 | | 7 | 7 | 7 | | 2 | 16 | 29 | 59 |
| 132 | 161019732345 | 5 | 4 | 3 | 2 | 4 | | 4 | 7 | | 7 | 25 | 5 | 4 | 3 | 2 | 4 | | 4 | | 7 | 7 | 25 | 20 | 49 |
| 133 | 161019732346 | 5 | 5 | 3 | 2 | 7 | | 7 | | 7 | 7 | 29 | 5 | 5 | 3 | 2 | 7 | | 7 | 7 | | 5 | 24 | 23 | 69 |
| 134 | 161019732347 | 5 | 5 | 3 | 2 | | 7 | 7 | | 6 | 6 | 28 | 5 | 5 | 3 | 2 | | 7 | 7 | 6 | | 2 | 21 | 22 | 59 |
| 135 | 161019732348 | 4 | 5 | 2 | 3 | 7 | | 7 | 5 | | 5 | 26 | 4 | 5 | 2 | 3 | 7 | | 7 | | 5 | 3 | 24 | 24 | 69 |
| 136 | 161019732349 | 4 | 5 | 2 | 3 | | 5 | 5 | 7 | | 7 | 26 | 4 | 5 | 2 | 3 | | 5 | 5 | | 7 | 7 | 24 | 19 | 69 |
| 137 | 161019732350 | 4 | 5 | 2 | 3 | | 7 | 7 | 5 | | 5 | 26 | 4 | 5 | 2 | 3 | | 7 | 7 | | 5 | 3 | 17 | 21 | 69 |
| 138 | 161019732351 | 4 | 5 | 2 | 3 | | 6 | 6 | 7 | | 7 | 27 | 4 | 5 | 2 | 3 | | 6 | 6 | | 7 | 0 | 17 | 28 | 49 |
| 139 | 161019732352 | 4 | 5 | 2 | 3 | | 7 | 7 | | 7 | 7 | 28 | 4 | 5 | 2 | 3 | | 7 | 7 | 7 | | 7 | 26 | 22 | 59 |
| 140 | 161019732354 | 4 | 5 | 2 | 3 | 6 | | 6 | | 1 | 1 | 21 | 4 | 5 | 2 | 3 | 6 | | 6 | 1 | | 7 | 27 | 28 | 69 |
| 141 | 161019732355 | 4 | 5 | 2 | 3 | 7 | | 7 | 7 | | 7 | 28 | 4 | 5 | 2 | 3 | 7 | | 7 | | 7 | 4 | 25 | 24 | 49 |
| 142 | 161019732356 | 4 | 5 | 2 | 2 | 3 | | 3 | | | 0 | 17 | 4 | 5 | 2 | 2 | 3 | | 3 | | | 6 | 26 | 29 | 59 |
| 143 | 161019732357 | 4 | 5 | 2 | 2 | | | 0 | | 5 | 5 | 18 | 4 | 5 | 2 | 2 | | | 0 | 5 | | 7 | 27 | 29 | 69 |
| **Average Marks** | | **4.10** | **4.66** | **2.33** | **2.48** | **4.72** | **5.27** | **4.95** | **4.91** | **5.36** | **5.13** | **#REF!** | **4.10** | **4.66** | **2.33** | **2.48** | **4.72** | **5.27** | **4.99** | **4.91** | **5.36** | **5.00** | **22.20** | **22.20** | **56.34** |

| CIE (Mid Exam) CO Wise Percentage | | |
|---|---|---|
| COURSE OUTCOME | CO Wise Sum | CO Wise Percentage % |
| C01 | 11.37 | 75.83 |
| C02 | 12.27 | 81.83 |
| C03 | 11.42 | 76.13 |
| C04 | 12.13 | 80.89 |
| **Average** | **9.42** | **75.40** |

| CIE - CO Wise Sum Formula |
|---|
| C01 = ASG(C01) + Q1(C01) + BestOfQ2&Q3(C01) |
| C02 = ASG(C02) + Q1(C02) + BestOfQ4&Q5(C02) |
| C03 = ASG(C03) + Q1(C03) + BestOfQ2&Q3(C03) |
| C04 = ASG(C04) + Q1(C04) + BestOfQ4&Q5(C04) |

| CIE - CO Wise Percentage |
|---|
| C01 % = {C01 SUM/total C01 Marks(15)}*100 |
| C02 % = {C02 SUM/total C02 Marks(15)}*100 |
| C03 % = {C03 SUM/total C03 Marks(15)}*100 |
| C04 % = {C04 SUM/total C04 Marks(15)}*100 |

| | |
|---|---|
| Average Marks | |
| Student Count >Avg | |
| Total Students | |
| Percentage | 6 |

| SEE (End Exam) CO Wise Percentage | | |
|---|---|---|
| C01-C04 | 13.64 | 18.19 |

| SEE - CO Wise Percentage |
|---|
| C01-C04 = End Exam Avg Marks |

| SEE - CO Wise Percentage |
|---|
| C01-C04 % = (End Exam Avg Marks/70)*100 |

| CO ATTAINMENT | Internal Marks | Internal Attainm | External Marks | External Attainm | DIRECT ATTAINM |
|---|---|---|---|---|---|
| CO1 | 76 | 3 | 100.00 | 3 | 3 |
| CO2 | 82 | 3 | 100.00 | 3 | 3 |
| CO3 | 76 | 3 | 100.00 | 3 | 3 |
| CO4 | 81 | 3 | 100.00 | 3 | 3 |
| Average | | | | | 3 |

| INTERNAL EXAM ATTAINMENT LEVEL | | |
|---|---|---|
| Attainment Levels | 0 | <=49 |
| | 1 | 50-59 |
| | 2 | 60-69 |
| | 3 | >=70 |

| EXTERNAL EXAM / FINAL ATTAINMENT | | |
|---|---|---|
| Attainment Levels | 0 | <=39 |
| | 1 | 40-49 |
| | 2 | 50-59 |
| | 3 | >=60 |

| Direct Attainment % |
|---|
| C01=(CO1IntAtn*0.30+CO1ExtAtn*0.70) |
| C02=(CO2IntAtn*0.30+CO2ExtAtn*0.70) |
| C03=(CO3IntAtn*0.30+CO3ExtAtn*0.70) |
| C04=(CO4IntAtn*0.30+CO4ExtAtn*0.70) |

CO-PO Matrix

| Course | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | Attainment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CO1 | 3 | 2 | 1 | 2 | - | - | - | 1 | - | - | - | 1 | 1 | 1 | 3 |
| CO2 | 3 | 2 | 1 | 2 | - | 2 | - | 1 | - | - | - | 2 | 1 | 1 | 3 |
| CO3 | 3 | 2 | - | 2 | - | - | - | | 1 | - | 1 | 1 | 1 | 1 | 3 |
| CO4 | 3 | 2 | - | 2 | - | - | - | | 1 | 1 | 1 | 1 | 1 | 1 | 3 |
| Average | 3 | 2 | 0.5 | 2 | 0 | 0.5 | 0 | 0.5 | 0.5 | 0.25 | 0.5 | 1.25 | 1 | 1 | 3 |

| Final Attainment % |
|---|
| C01 = (DIRECT ATTAINMENT*0.8) + (INDIRECT ATTAINMENT*0. |
| C02 = (DIRECT ATTAINMENT*0.8) + (INDIRECT ATTAINMENT*0. |
| C03 = (DIRECT ATTAINMENT*0.8) + (INDIRECT ATTAINMENT*0. |
| C04 = (DIRECT ATTAINMENT*0.8) + (INDIRECT ATTAINMENT*0. |

Course PO Attainments

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Direct Attainment | 2.75 | 2.667 | 0 | 0 | 2.75 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 1.667 | 2.75 |
| Indirect Attainment | 2.875 | 2.833 | 1.5 | 1.5 | 2.875 | 1.5 | 1.5 | 2 | 2.5 | 1.5 | 1.5 | 1.5 | 2.333 | 2.875 |
| Final Attainm | 2.775 | 2.7 | 0.3 | 0.3 | 2.775 | 0.3 | 0.3 | 1.2 | 2.1 | 0.3 | 0.3 | 0.3 | 1.8 | 2.775 |

| PO ATTAINMENTS |
|---|
| DIRECT ATTAINMENT (PO1)= (Average of PO1*Average of CO Direct Attainment) |
| Similar for PO2 TO PO12 & PSO1 TO PSO3 |
| INDIRECT ATTAINMENT IS OBTAINED FROM COURSE EXIT SURVEY |
| FINAL ATTAINMENT = (DIR ATNM-PO1)*0.8 + (INDIR ATNM-PO1)*0.2 |

**3.3.3 Provide results of evaluation of PO&PSO** (40) Institute Marks: 40.00

**Overall Attainment calculation**

**Overall Attainment calculation -2020-2021**

| Descriptions | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| COPO attainment (3 Max) | 1.87 | 1.75 | 1.77 | 1.76 | 1.80 | 1.43 | 1.53 | 1.55 | 1.83 | 1.70 | 1.46 | 1.54 |
| Direct attainment (80%) | 1.79 | 1.63 | 1.51 | 1.39 | 1.41 | 1.14 | 1.29 | 0.96 | 1.51 | 1.35 | 1.30 | 1.54 |
| Indirect attainment (20%) | 2.60 | 2.65 | 2.80 | 2.50 | 2.35 | 2.60 | 2.70 | 2.30 | 2.60 | 2.70 | 2.50 | 2.50 |
| PO attainment | 1.95 | 1.83 | 1.77 | 1.61 | 1.60 | 1.43 | 1.57 | 1.23 | 1.73 | 1.62 | 1.54 | 1.73 |

**PSO Attainment Level**

| Descriptions | PSO1 | PSO2 |
|---|---|---|
| COPO attainment (3 Max) | 1.47 | 1.36 |
| Direct attainment (80%) | 1.34 | 1.36 |
| Indirect attainment (20%) | 2.50 | 2.50 |
| PO attainment | 1.57 | 1.59 |

| CRITERION 4 | Students' Performance | 150 |
|---|---|---|

## 4. STUDENTS' PERFORMANCE (150)

**Table 4.a Admission details for past three years**

| Item (Information to be provided cumulatively for all the shifts with CAYCAYm1 CAYm2 explicit headings, wherever applicable) | CAY 2021-22 | CAY m1 2020-21 | CAY m2 2019-20 | CAY m3 2018-19 | CAY m4 2017-18 |
|---|---|---|---|---|---|
| Sanctioned intake of the program (*N*) | 90 | 90 | 180 | 180 | 180 |
| Total number of students admitted in firstyear *minus* number of students migrated to other programs / institutions plus no. of students migrated to this program (*N*1) | 35 | 52 | 109 | 114 | 164 |
| Number of students admitted in 2nd yearin the same batch via lateral entry (*N*2) | 0 | 29 | 57 | 63 | 35 |
| Separate division students, if applicable (*N3*) | 0 | 0 | 0 | 0 | 0 |
| Total number of students admitted in theProgram (*N*1 + *N*2 + N3) | 35 | 81 | 166 | 177 | 199 |

**CAY – Current Academic Year (2021-22)**

**CAYm1- Current Academic Year minus1= Current Assessment Year (2020-21) CAYm2 - Current Academic Year minus2=Current Assessment Year minus 1(2019-20)LYG – Last Year Graduate minus 1 (2017-18)**

**YGm1 – Last Year Graduate minus 1 (2016-17) LYGm2 – Last Year Graduate minus 2 (2015-16)**

**Table 4.b Number of students who have successfully graduated without backlog**

| **Year of entry** | ***N*1 + *N*2 + N3 (As define dabove)** | **Number of students who have successfully graduated without backlogs in any semester/year of Study (Without Backlog means no compartment or failures in any semester/year of study)** | | | |
|---|---|---|---|---|---|
| | | I Year | II Year | III Year | IV Year |
| CAY (2021-22) | 35 | | | | |
| CAY*m*1 (2020-21) | 81(52+29*) | 1 | | | |
| CAY*m*2 (2019-20) | 166(109+81*) | 7 | 31 | | |
| CAY*m3 (2018-19)* | 177(114+63*) | 8 | 1 | 1 | |
| CAY*m4* (LYG) (2017-18) | 199(164+35*) | 2 | 7 | 2 | 2 |
| CAY*m5* (LYG*m*1) (2016-17) | 208(175+33*) | 2 | 3 | 1 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| CAY*m6* (LYG*m2*) (2015-16) | 209(178+31*) | 19 | 10 | 6 | 6 |

**Note: * indicates for lateral entry students**

**Table 4.c** **Number of students successfully graduated with backlog**

| Year of entry | *N*1 + *N*2+N3 (As defined above) | Number of students who have successfully graduated (Students with backlog in stipulated period of study) | | | |
|---|---|---|---|---|---|
| | | I year | II Year | III Year | IV Year |
| CAY (2021-22) | 35 | | | | |
| CAY*m*1 (2020-21) | 81 | 52 | | | |
| CAY*m*2 (2019-20) | 166 | 98 | 143 | | |
| CAY*m3 (2018-19)* | 177 | 57 | 118 | 118 | |
| CAY*m4* (LYG) (2017-18) | 199 | 78 | 95 | 88 | 37 |
| CAY*m5* (LYG*m*1) (2016-17) | 208 | 76 | 87 | 84 | 57 |

| | | | | | |
|---|---|---|---|---|---|
| CAY*m6* (LYG*m2*) (2015-16) | 209 | 117 | 136 | 142 | 62 |

**Note: * indicates for lateral entry students**

*4.1 Enrolment Ratio* *(20)*

**Enrolment Ratio = N1/N**

**Table 4.1 Students Enrolment Ratio**

| Item | CAY (2021-22) | CAY M1 (2020-21) | CAY M2 (2019-20) |
|---|---|---|---|
| N | 90 | 90 | 180 |
| N1 | 35 | 52 | 109 |
| Enrolment ratio = N1/N*100 | 38.8 | 57.78 | 60.55 |
| Average Enrolment ratio | 38.8+57.78+60.55=157.13/3=52.3% | | |

*4.2 Success Rate in the stipulated period of the program* *(40)*

4.2.1 Success rate without backlogs in any semester / year of study (25)

*SI= (Number of students who have graduated from the program withot backlog)/Number of students admitted in the first year of that batch and actually admitted in 2nd year via lateral entry and separate division, if applicable)*

*Average SI = Mean of success Index (SI) for past three batches Success rate without backlogs in any year of study = 25 x Average SI*

**Table 4.2.1 Success rate without backlogs**

| Item | Last year of Graduate, LYG (CAYm4) (2017-18) | Last year of Graduate, minus 1, LYG1 (CAYm5) (20 16-17) | Last year of Graduate, minus 2 LYG 2 (CAYm6) (2015-16) |
|---|---|---|---|
| Number of students admitted inthe corresponding First year + admitted in 2nd year via lateral entry and separate division, if applicable | 199 | 208 | 209 |
| Number of students who havegraduated without backlogs in the stipulated period | 2 | 1 | 6 |
| Success Index (SI) | 0.01 | 0.005 | 0.03 |
| Average SI | 0.045/3 = 0.015 | | |
| *Success rate without backlogs inany year of study* | **25 * Average SI = 25 *0.015 = 0.375** | | |

## 4.2.2 Success rate with backlog in stipulated period of study (15)

*SI = (Number of students who graduated from the program in the stipulated period of course duration) / (Number of students admitted in the first year of that batch and actual admitted in 2nd year via lateral entry and separate division, if applicable)*

*Average SI = mean of Success Index (SI) for past three batches*
*Success rate = 15 x Average SI*

**Table 4.2.2 Success rate with backlog in stipulated period of study**

| Item | Last year of Graduate, LYG (CAYm4) (2017-18) | Last year of Graduate, minus 1, LYG1 (CAYm5) (2016-17) | Last year of Graduate, minus 2 LYG 2 (CAYm6) (2015-16) |
|---|---|---|---|
| Number of students admitted in the corresponding First year + admitted in2nd year via lateral entry and separate division, if applicable | 199 | 208 | 209 |
| Number of students who have graduated with backlogs in the stipulated period | 37 | 77 | 62 |
| Success Index (SI) | 0.185 | 0.3 | 0.3 |
| Average SI | 0.26 | | |
| *Success rate with backlogs in any yearof study* | **15 * Average SI = 15*0.26 = 3.92** | | |

Note 1: If 100% students clear without any backlog then also total marks scored will be 40 as both 4.2.1 and 4.2.2 will be applicable simultaneously.

Note 2 : * indicates for lateral entry students

## *4.3 Academic Performance in Third year* *(15)*

*Academic Performance = 1.5 * Average API (Academic Performance Index)*

*API = (mean of 3rd year Grade Point Average of all successful Students on a 10 point scale) or (Mean of the percentage of marks of all successful students in Third year / 10)) * (number of successful students / number of students appeared in the examination)*

*Successful students are those who are permitted to proceed to the final year.*

**Table 4.3.1 Academic Performance in Third year**

| Academic Performance | CAYm1 (2018-19) | CAYm2 (2017-18) | CAYm3 (2016-17) |
|---|---|---|---|
| Mean of CGPA or Mean Percentage of all successful students (X) | 5.87 | 5.35 | 7.64 |
| Total no. of successful students(Y) | 117 | 89 | 89 |
| Total no. of studentsappeared in the examination (Z) | 123 | 94 | 95 |
| API = X * (Y/Z) | 5.58 | 5.06 | 7.16 |
| Average API | 5.93 | | |
| Academic Performance | **1.5 * Average API = 1.5*5.93 = 8.90** | | |

Average API = (AP1 + AP2 + AP3)/3

## *4.4 Academic Performance in second Year* *(15)*

*Academic Performance Level = 1.5 * Average API (Academic Performance Index)*

*API = ((Mean of 2nd Year Grade Point Average of all successful Students on a 10 point scale) or (mean of thepercentage of marks of all successful students in Second Year/10) x (number of successful students / number of students appeared in the examination)*

*Successful students are those who are permitted to proceed to the Third year.*

**Table 4.4.1 Academic Performance in second Year**

| Academic Performance | CAYm1 (2019-20) | CAYm2 (2018-19) | CAYm3 (2017-18) |
|---|---|---|---|
| Mean of CGPA or Mean Percentage of all successfulstudents (X) | 5.62 | 4.92 | 7.52 |
| Total no. of successful students (Y) | 142 | 117 | 94 |
| Total no. of students appearedin the examination (Z) | 143 | 118 | 113 |
| API = X * (Y/Z) | 5.58 | 4.88 | 6.26 |
| Average API = (API1+API2+API3)/3 | 5.57 | | |
| **Academic Performance** | **1.5 * Average API = 1.5*5.57 = 8.36** | | |

*4.5. Placement, Higher Studies and Entrepreneurship* *(40)*

Assessment Points = 40 × average placement

**Table 4.5.1 Placement, Higher Studies and Entrepreneurship**

| Item | 2017-18 | 2016-17 | 2015-16 |
|---|---|---|---|
| Total No. of Final Year Students (N) | **88** | **89** | **122** |
| No. of students placed in companies orGovernment Sector (x) | **27** | **33** | **58** |
| No. of students admitted to higher studies with valid qualifying scores (GATE or equivalent State or National Level Tests, GRE, GMAT etc.) (y) | 06 | 01 | 03 |
| No. of students turned entrepreneur in engineering/technology (z) | NA | NA | NA |
| x + y + z = | 33 | 34 | 61 |
| Placement Index: (x + y + z)/N | **0.37** | **0.38** | **0.5** |
| Average placement= (P1 + P2 + P3)/3*40 | **16.66** | | |

**HIGHER STUDIES DATA**

# LORDS INSTITUTE OF ENGINEERING AND TECHNOLOGY

## UGC AUTONOMOUS

Approved by AICTE/Affiliated to Osmania University/Estd.2002.

## HALL TICKET

| | |
|---|---|
| Name of the Examination: | M.E I-SEM(AUTONOMOUS) (CIE-1) |
| Name of the Course: | CIVIL- **STRUCTURAL ENGINEERING** |
| Month &Year | JANUARY-2022(A.Y.2021-22) |
| Name of the Student: | SHAIK MASROOR AHMED |
| Hall Ticket No: | **160921741015** |



**Paper Tittle(s) in which the Candidate is Appearing for CIE Examinations**

| S.NO | NAME OF THE COURSE | COURSE CODE | DATE OF EXAM & TIME |
|---|---|---|---|
| 1 | Structural Dynamics | P21SE101 | 03-01-2022 (09:45AM TO 11:15AM) |
| 2 | Advance Solid Mechanics | P21SE102 | 03-01-2022 (02:00PM TO 03:30PM) |
| 3 | Advance Reinforced Concrete Design(PE-I) | P21SE103 | 04-01-2022 (09:45AM TO 11:15AM) |
| 4 | Advance Concrete Technology(PE-II) | P21SE108 | 04-01-2022 (02:00PM TO 03:30PM) |
| 5 | Research Methodology & I.P.R (MC) | P21MB111 | 05-01-2022 (09:45AM TO 11:15AM) |
| 6 | Disaster Management (AC-I) | P21CE101 | 05-01-2022 (02:00PM TO 03:30PM) |

***PE-I(Professional Elective –I), PE-II(Professional Elective –II), MC(Mandatory Course) & AC-I (Audit Course-I)**

Head of the Department
Civil Engineering Dept.
Lords Institute of Engg. & Technology

Signature of the HOD

LORDS INSTITUTE OF ENGINEERING & TECHNOLOGY
COLLEGE CODE 1609

LORDS INSTITUTE OF ENGINEERING & TECHNOLOGY
Sy. No: 32, Himayat Sagar, Near Telangana
Police Academy Junction, Hyderabad-500091.

Principal Signature with Seal

Zone/Scrutiny Code

**1OB**

K519H11

**K519H11** (Enrollment ID)



**HABEEB BABA**
(Full Name of the Applicant)

**26 Apr 1999** (D.O.B)

**Male** (Gender)

**OBC-NCL** (Category)

**Indian National**

**+91-7989919113** (Parent/Guardian's Mobile Number)

**FAKHIR SHAH WALI** (Parent/Guardian's Name)

## *Communication Address*

HASSAN NAGAR RAJENDRA NAGAR
Gaganpahad
Telangana 500052
**+91-7989919113** (Mobile No.)
habeebbaba3@gmail.com

## *GATE Exam Details*

GATE Paper Code

**CE**

**(Civil Engineering)**

Exam City 1: **Hyderabad (TS)**
Exam City 2: **Bidar (KA)**
Exam City 3: **Kalaburagi (Gulbarga KA)**

## *Qualification Details*

**B.Tech**
**Civil Engg.**
**Graduated: Yes; Year of Graduation: 2021**
**NAWAB SHAH ALAM KHAN COLLEGE OF ENGINEERING & TECHNOLOGY**
**Sahifa**
**Telangana 500024**

## *Zonal GATE Office Contact*

Chairperson, GATE
Indian Institute of Science Bangalore
Bengaluru 560012

## *Payment Details*

| Payment Mode | Transaction Ref. No | Transaction Date | Amount | Payment For |
|---|---|---|---|---|
| Online | order_I3iiZgF3vUZg9a | 30/9/21 8:37 PM | INR 1500.00 | Registration |

*I confirm that I fulfil the eligibility criteria to appear for the Graduate Aptitude Test in Engineering (GATE 2022) examination and I, myself have filled up the entire form in the portal. I have fully understood each and every point in the form and filled up the details accordingly. I agree to strictly comply with the code of conduct for GATE 2022 examination as detailed in Appendix B of the Information Brochure. I confirm that the information provided by me in this form is correct in all respect. I also confirm that I am NOT filling more than ONE form for myself.*

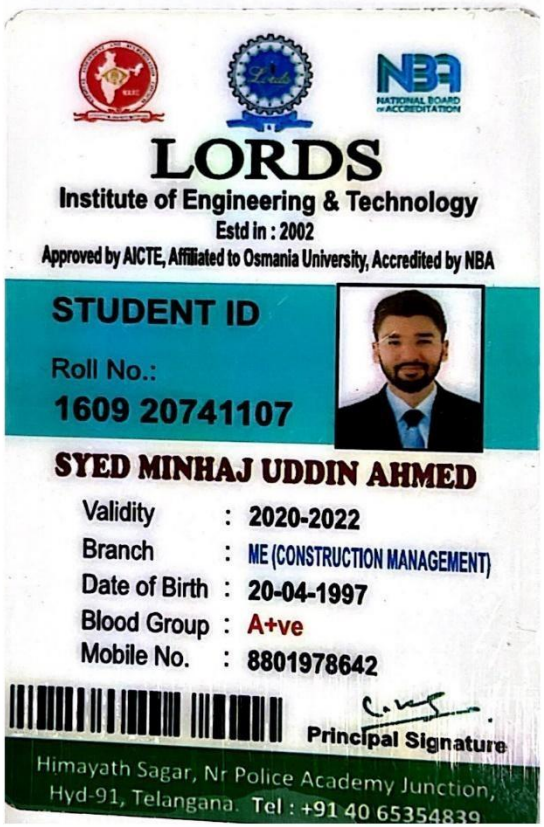
*If any of the information provided by me is found to be incorrect at any time later, my candidature for GATE 2022 will be cancelled. This cancellation of my candidature can happen either before, during or after the examination, including the time after generation of my GATE 2022 score card, if any.*

*I also understand that GATE is NOT an admission ensuring examination, and qualifying in GATE examination does NOT guarantee admission / scholarship / job. GATE 2022 committee is NOT liable for any legal obligations related to admission / job.*

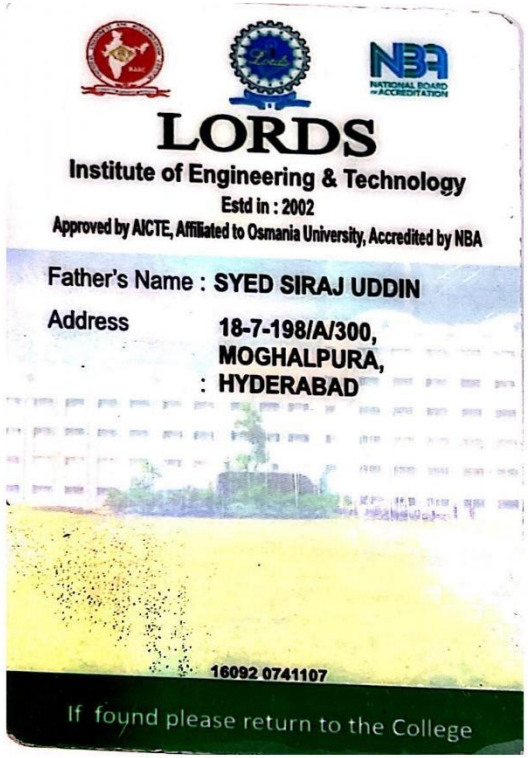
*I shall be liable for legal action for providing any type of false information. GATE 2022 committee's decision will be final and legally binding on me.*

**e-Signature:** HABEEB BABA

**Digital Fingerprint:** 824685a81ff0b5e7d07008e3c55bde27




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# TELANGANA STATE COUNCIL OF HIGHER EDUCATION

## TS PGEC / TS PGECET - 2020 Admissions

### Phase II -Counseling

### Joining Report

Date:31-12-2020 21:10:46

Acknowledgement No: 16830

| | | | |
|---|---|---|---|
| H.T.No./Reg No. | : 9101061315 | Rank (PGECET) / Score (GATE/GPAT) | : 1250 |
| Name: | : SYED MINHAJ UDDIN AHMED | Gender | : M |
| Father's Name: | : SYED SIRAJ UDDIN | Cat / Region | : OC / OU |
| Alloted in: | : Phase II | | |

I hereby report to the college **LORDS INSTITUTE OF ENGINEERING & TECHNOLOGY** in **CONSTRUCTION MANAGEMENT - [ REG ]** allotted during the second phase of counseling and submit my joining report herewith on 2/1/2021 (date).

**I am aware of the following :**

1. Candidates are required to Produce their Original Certificates for Physical Verification at the Allotted College along with the Fee Paid Challan and joining report.
2. My allotment order will be cancelled if all the original cerificates are not produced at the allotted college for Physical Verification.
3. My allotment stands cancelled if not reported to the allotted college between 02nd Jan., 2021, to 07th Jan., 2021
4. Class work commenced from 21th Dec., 2020
5. Student who secured admission through **GATE/GPAT** are **not eligible for fee reimbursement**
6. My claim for Reimbersement of Tuition Fee (RTF) Will be considered subject to verification and eligibility criteria prescribed by Government of Telangana from time to time. In the event of myself found not eliginble for fee reimbusement, I will pay the total Tuition fee..
7. Tuition fee fixed is Semester fee for M.Tech./M.Pharm. and Annual fee for Pharm-D.

Signature of Candidate

Signature of Principal
With office seal



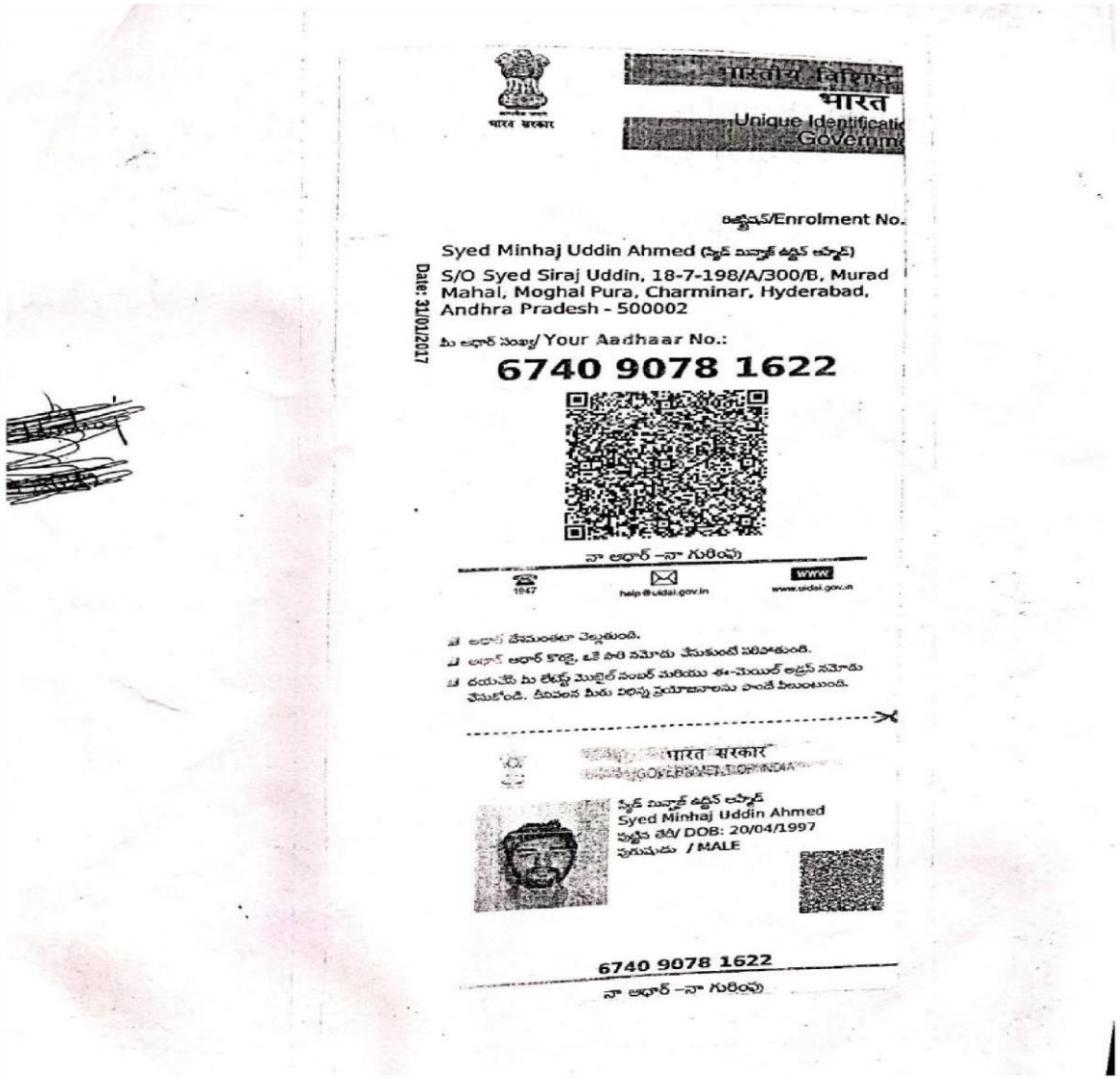
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Acknowledgement No: 16830

| FEE CHALLAN — ORIGINAL | FEE CHALAN — DUPLICATE | FEE CHALAN — TRIPLICATE |
|---|---|---|
| Telangana State Council of Higher Education | Telangana State Council of Higher Education | Telangana State Council of Higher Education |
| **TS PGEC/TS PGECET - 2020 ADMISSIONS** | **TS PGEC/TS PGECET - 2020 ADMISSIONS** | **TS PGEC/TS PGECET - 2020 ADMISSIONS** |
| Andhra Bank- ANDB0000604 | Andhra Bank- ANDB0000604 | Andhra Bank- ANDB0000604 |
| Account No. 060410100127517 | Account No. 060410100127517 | Account No. 060410100127517 |
| PARTICULARS OF REMITTANCE | PARTICULARS OF REMITTANCE | PARTICULARS OF REMITTANCE |
| **Student Name** : SYED MINHAJ UDDIN AHMED | **Student Name** : SYED MINHAJ UDDIN AHMED | Student Name : SYED MINHAJ UDDIN AHMED |
| **Rank/Score** :1250 | **Rank/Score** :1250 | Rank/Score :1250 |
| **HTNO/RegdNo** :9101061315 | **HTNO/RegdNo** :9101061315 | HTNO/RegdNo :9101061315 |
| The following amount is paid towards tuition fee of ME/MTech/MPharmacy admission | The following amount is paid towards tuition fee of ME/MTech/MPharmacy admission | The following amount is paid towards tuition fee of ME/MTech/MPharmacy admission |
| **Amount: .00 /-** (Rupees zero ) | **Amount: .00 /-** (Rupees zero ) | **Amount: .00 /-** (Rupees zero ) |
| Signature of Bank Official / Signature of the Remitter | Signature of Bank Official / Signature of the Remitter | Signature of Bank Official / Signature of the Remitter |
| Seal of Bank: / Scroll No: | Seal of Bank: / Scroll No: | Seal of Bank: / Scroll No: |
| **CANDIDATE COPY** | **COLLEGE/CONVENER COPY** | **BANK COPY** |
| | | Note : Bank is requested to record the HTNO |



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Unique Identificati
Governm

ఎన్‌రోల్‌మెంట్/Enrolment No.

Syed Minhaj Uddin Ahmed (సయ్యద్ మిన్హాజ్ ఉద్దిన్ అహ్మద్)
S/O Syed Siraj Uddin, 18-7-198/A/300/B, Murad Mahal, Moghal Pura, Charminar, Hyderabad, Andhra Pradesh - 500002

Date: 31/01/2017

మీ ఆధార్ సంఖ్య/Your Aadhaar No.:

**6740 9078 1622**

నా ఆధార్ –నా గుర్తింపు

1947 help@uidai.gov.in www.uidai.gov.in

- ఆధార్ చేయించుకున్నందుకు ధన్యవాదాలు.
- ఆధార్ ఆధారిత కార్డు, ఒకే పాత నమోదు వేరుకుంటే పరిశీలించండి.
- దయచేసి మీ లేటెస్ట్ మొబైల్ నంబర్ మరియు ఈ-మెయిల్ అడ్రస్ నమోదు చేసుకోండి. దీనివలన మీరు వివిధ ప్రయోజనాలను పొందే వీలుంటుంది.

భారత సరకార
GOVERNMENT OF INDIA

సయ్యద్ మిన్హాజ్ ఉద్దిన్ అహ్మద్
Syed Minhaj Uddin Ahmed
పుట్టిన తేది/ DOB: 20/04/1997
పురుషుడు / MALE

**6740 9078 1622**

నా ఆధార్ –నా గుర్తింపు

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## TSPGECET - 2020 RANK CARD :: OSMANIA UNIVERSITY HYDERABAD

| | | |
|---|---|---|
| Hall Ticket No. | : | 9101061315 |
| Candidate's Name | : | SYED MINHAJUDDIN AHMED |
| Father's Name | : | SYED SIRAJUDDIN |
| Test Paper | : | CIVIL ENGINEERING |
| Marks Obtained | : | 41 |
| Rank | : | 1250 |
| Percentile | : | 63.6945 |

Community: OC

Date of Birth: 20/04/1997



CONVENER
TS PGECET 2020

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**program Name :** Assessment Year Name : CAY

# Nawab Shah Alam Khan
## COLLEGE OF ENGINEERING & TECHNOLOGY

BE: CE,ME,EEE,ECE,CSE,IT - ME: CSE, Embedded Sys, Structural, HVAC - Polytechnic: CE,ME,EEE,ECE
Approved by AICTE I Affiliated to OU I Accredited to NAAC I Permitted by Govt. of TS I Included in 2F UGC

### CIVIL - DEPARTMENT PLACEMENT DETAILS FOR THE ACADEMIC YEAR - 2020-2021

| S.No | Roll Number | Candidate Name | Branch | Company | Reference Number | Designation | Salary Package |
|---|---|---|---|---|---|---|---|
| 1 | 17RT1A0150 | Mohammed Ahmed Hussain | CIVIL | Pie Infocomm | PIE/ACD/NSAK1050 | Autocad Designer | Rs: 4,50,000/- per annum |
| 2 | 17RT1A0184 | Mohd Abdul Azeem | CIVIL | Pie Infocomm | PIE/ACD/NSAK1084 | Autocad Designer | Rs: 4,50,000/- per annum |
| 3 | 17RT1A01A3 | Mohd Muzammil | CIVIL | Pie Infocomm | PIE/ACD/NSAK1013 | Autocad Designer | Rs: 4,50,000/- per annum |
| 4 | 17E01A0116 | Ameer Sohail | CIVIL | Econstruct Design & Build Pvt Ltd | ECON/NSHYD/SE538 | Structural Engineer | Rs: 2,00,000/- per annum |
| 5 | 17RT1A0IG1 | Yaseen Khan | CIVIL | Econstruct Design & Build Pvt Ltd | ECON/NSHYD/SE541 | Structural Engineer | Rs: 2,00,000/- per annum |
| 6 | 17E01A0118 | Syed Fazeel Ahmed | CIVIL | Econstruct Design & Build Pvt Ltd | ECON/NSHYD/SE542 | Structural Engineer | Rs: 2,00,000/- per annum |
| 7 | 17RT1A01D1 | Shaik Mujeeb | CIVIL | Econstruct Design & Build Pvt Ltd | ECON/NSHYD/SE544 | Structural Engineer | Rs: 2,00,000/- per annum |
| 8 | 17RT1A0125 | Khateeb Mohammed Yaser Raza | CIVIL | Econstruct Design & Build Pvt Ltd | ECON/NSHYD/SE548 | Structural Engineer | Rs: 2,00,000/- per annum |
| 9 | 17RT1A0189 | Mohd Atif Ali | CIVIL | Econstruct Design & Build Pvt Ltd | ECON/NSHYD/SE549 | Structural Engineer | Rs: 2,00,000/- per annum |
| 10 | 17RT1AO122 | Khaja Mudassir Hussain | CIVIL | Square Yards | MTSM/HYD/212 | Sales & Marketing - Management Trainee | Rs: 4,50,000/- per annum |
| 11 | 17RT1A0143 | Mohammed Abdul Billal Siddiqui | CIVIL | Square Yards | MTSM/HYD/314 | Sales & Marketing - Management Trainee | Rs: 4,50,000/- per annum |
| 12 | 18RT5A0127 | Mohd Ayaz | CIVIL | Square Yards | MTSM/HYD/217 | Sales & Marketing - Management Trainee | Rs: 4,50,000/- per annum |
| 13 | 18RT5A0128 | Mohd Imran Khan | CIVIL | Square Yards | MTSM/HYD/218 | Sales & Marketing - Management Trainee | Rs: 4,50,000/- per annum |
| 14 | 17RT1A0153 | Mohammed Asif | CIVIL | GGR HOUSING INDIA PVT LTD | GGR/ACE0821/1109 | Autocad Engineer | Rs: 2,76,000/- per annum |
| 15 | 17RT1A0174 | Mohammed Qutunbuddin | CIVIL | GGR HOUSING INDIA PVT LTD | GGR/ACE0821/1116 | Autocad Engineer | Rs: 2,76,000/- per annum |
| 16 | 17RT1A0181 | Mohammed Zainul Abadeen | CIVIL | GGR HOUSING INDIA PVT LTD | GGR/ACE0821/1119 | Autocad Engineer | Rs: 2,76,000/- per annum |
| 17 | 17RT1A0187 | Mohd Abdul Wasay | CIVIL | GGR HOUSING INDIA PVT LTD | GGR/ACE0821/1126 | Autocad Engineer | Rs: 2,76,000/- per annum |
| 18 | 18RT5A0102 | Adiba Nishath | CIVIL | Sumadhura Infracon | SDINFRA-0902/SE2021 | Site Engineer | Rs: 2,40,000/- per annum |
| 19 | 18RT5A0104 | Fariya Tabassum | CIVIL | Sumadhura Infracon | SDINFRA-0904/SE2021 | Site Engineer | Rs: 2,40,000/- per annum |
| 20 | 18RT5A0108 | MD Muteeb UR Rahman | CIVIL | Sumadhura Infracon | SDINFRA-0908/SE2021 | Site Engineer | Rs: 2,40,000/- per annum |
| 21 | 17RT1A01G2 | Mohd Abdul Mubeen | CIVIL | Sumadhura Infracon | SDINFRA-0912/SE2021 | Site Engineer | Rs: 2,40,000/- per annum |
| 22 | 17RT1A01F8 | Ubaid Mohiuddin Ali | CIVIL | R9 Constructions | R9C/NSAKCET-6321 | Design Engineer | Rs: 2,40,000/- per annum |
| 23 | 17RT1A01B6 | Mohd Yaseen | CIVIL | R9 Constructions | R9C/NSAKCET-6621 | Design Engineer | Rs: 2,40,000/- per annum |
| 24 | 17RT1A01B8 | Nazishali Khan | CIVIL | R9 Constructions | R9C/NSAKCET-6721 | Design Engineer | Rs: 2,40,000/- per annum |
| 25 | 18RT5A0118 | Mohammed Ilyas Mirza | CIVIL | CLASSIC CONSULTING ASSOCIATES | CCA/OL2021/TE18 | Trainee Engineer | Rs: 2,00,000/- per annum |
| 26 | 18RT5A0120 | Mohammed Rashiduddin | CIVIL | CLASSIC CONSULTING ASSOCIATES | CCA/OL2021/TE20 | Trainee Engineer | Rs: 2,00,000/- per annum |
| 27 | 18RT5A0124 | Mohd Abdullah | CIVIL | CLASSIC CONSULTING ASSOCIATES | CCA/OL2021/TE24 | Trainee Engineer | Rs: 2,00,000/- per annum |
| | | | | | | | |
| | | **Training & Placement Officer** | | | | **Principal** | |

NAWAB SHAH ALAM KHAN COLLEGE OF ENGINERING & TECHNOLOGY - PLACEMENT DETAILS - 2019-2020

DEPARTMENT OF CIVIL ENGINEERING

| S.No | Roll Number | Candidate Name | Branch | Company | Reference Number | Designation |
|---|---|---|---|---|---|---|
| 1 | 16RT1A0104 | ABDUL RAHEEM KHAN | CIVIL | Chibber Constructions Pvt Ltd | CCPL-SIENG01-07/2020 | Site Engineer |
| 2 | 16RT1A0111 | HAMID ABUBAKR | CIVIL | Chibber Constructions Pvt Ltd | CCPL-SIENG16-07/2020 | Site Engineer |
| 3 | 16RT1A0144 | MOHAMMED ABDULLAH SIDDIQUI | CIVIL | Chibber Constructions Pvt Ltd | CCPL-DNENG12-07/2020 | Design Engineer |
| 4 | 16RT1A0173 | MOHAMMED NAUSHAD ALI | CIVIL | Chibber Constructions Pvt Ltd | CCPL-DNENG13-07/2020 | Design Engineer |
| 5 | 16RT1A01A3 | MOHD MUSTAFA | CIVIL | Chibber Constructions Pvt Ltd | CCPL-SIENG09-07/2020 | Site Engineer |
| 6 | 16RT1A01E1 | SHAIK SARFARAZ | CIVIL | Chibber Constructions Pvt Ltd | CCPL-DNENG05-07/2020 | Design Engineer |
| 7 | 16RT1A0106 | ABDUL RAOOF | CIVIL | Parmar Constructions | PC/DEHYD/NS5856 | Design Engineer |
| 8 | 16RT1A0113 | HUNABAD NAVEEDSOHAIL | CIVIL | Parmar Constructions | PC/DEHYD/NS5863 | Design Engineer |
| 9 | 16RT1A0149 | MOHAMMED ALEEM | CIVIL | Parmar Constructions | PC/DEHYD/NS5879 | Design Engineer |
| 10 | 16RT1A0195 | MOHD IBRAHIM | CIVIL | Parmar Constructions | PC/DEHYD/NS5885 | Design Engineer |
| 11 | 16RT1A01C4 | NOUMAN MIRZA | CIVIL | Parmar Constructions | PC/DEHYD/NS5894 | Design Engineer |
| 12 | 16RT1A01F2 | SAYYED FURQAN HUSSAIN | CIVIL | Parmar Constructions | PC/DEHYD/NS5902 | Design Engineer |
| 13 | 17RT5A0133 | SYED ILYAS AHMED | CIVIL | Square Yards | MTSQUARE12173/OFF2020 | Management Trainee |
| 14 | 16RT1A0147 | MOHD AFROZ | CIVIL | Square Yards | MTSQUARE12174/OFF2020 | Management Trainee |
| 15 | 16RT1A0165 | MOHD MANSOOR | CIVIL | Square Yards | MTSQUARE12176/OFF2020 | Management Trainee |
| 16 | 16RT1A0174 | MOHD NAZIMUDDIN | CIVIL | Square Yards | MTSQUARE12177/OFF2020 | Management Trainee |
| 17 | 16RT1A0179 | MOHAMMED SAMEE | CIVIL | Square Yards | MTSQUARE12179/OFF2020 | Management Trainee |
| 18 | 16RT1A0108 | ASRAR AHMED | CIVIL | Vansh Constructions | ACE0602/EMP2020/VANSH | Auto Cad Engineer |
| 19 | 16RT1A0120 | KHAJAMOINUDDIN | CIVIL | Vansh Constructions | ACE0612/EMP2020/VANSH | Auto Cad Engineer |
| 20 | 16RT1A0129 | MD IBRAHIM ALI KHAN | CIVIL | Vansh Constructions | ACE0622/EMP2020/VANSH | Auto Cad Engineer |
| 21 | 16RT1A0157 | MOHAMMED HASEEB UDDIN | CIVIL | Vansh Constructions | ACE0634/EMP2020/VANSH | Auto Cad Engineer |
| 22 | 16RT1A0171 | MOHAMMED MUNEEB UR RAHMAN | CIVIL | Vansh Constructions | ACE0619/EMP2020/VANSH | Auto Cad Engineer |
| 23 | 16RT1A0186 | MOHD UZAIR UZ ZAMAN | CIVIL | Vansh Constructions | ACE0615/EMP2020/VANSH | Auto Cad Engineer |
| 24 | 16RT1A0190 | MOHD ABDUL KAREEM | CIVIL | nQuantum | NQSD/QT190/2020 | Software Developer |
| 25 | 16RT1A01C1 | MUWAHID SHAKIR | CIVIL | nQuantum | NQSD/QT011/2020 | Software Developer |
| 26 | 16RT1A01D2 | S TOWSHED AHMED | CIVIL | Plastech Engineering | MTCE2020/PLEC1112 | Maintenance Engineer |
| 27 | 16RT1A01E5 | SYED MOHAMMED ISHAQUI | CIVIL | Plastech Engineering | MTCE2020/PLEC1115 | Maintenance Engineer |
| 28 | 16RT1A01G3 | SYED SUFIYAN AHMED | CIVIL | Pahani | PREC/Sales/1613/2021 | Sales Engineer |
| 29 | 16RT1A01G9 | MOHAMMED BASEER ULLAH | CIVIL | Pahani | PREC/Sales/1619/2021 | Sales Engineer |
| 30 | 17RT5A0109 | MD MUNTAZIM UDDIN | CIVIL | Pahani | PREC/Sales/1709/2021 | Sales Engineer |
| 31 | 17RT5A0120 | MOHAMMED EHTESHAM | CIVIL | Pahani | PREC/Sales/1720/2021 | Sales Engineer |
| 32 | 17RT5A0116 | MOHAMMED ABDUL RAHMAN | CIVIL | Sumadhura Infracon | SDINFRA-7116/SA2020 | Sales Accountant |
| 33 | 17RT5A0123 | MOHAMMED MAHMOOD UL HASAN | CIVIL | Sumadhura Infracon | SDINFRA-7123/SA2020 | Sales Accountant |

**program Name :** Assessment Year Name : CAYm1

| S.No | Student Name | Enrollment No | Employee Name | Appointment No |
|---|---|---|---|---|
| 1 | ABDUL RAHMAN | 15RT1A0103 | GGR HOUSING INDIA PVT LTD | GGR/DE2041/2019 |
| 2 | ABDUL RAHMAN | 15RT1A0104 | GGR HOUSING INDIA PVT LTD | GGR/DE2042/2019 |
| 3 | MD ABDUL MANNAN | 15RT1A0123 | GGR HOUSING INDIA PVT LTD | GGR/DE2043/2019 |
| 4 | MD ABDUL MOIZ | 15RT1A0124 | GGR HOUSING INDIA PVT LTD | GGR/DE2044/2019 |
| 5 | MD ABRAR | 15RT1A0126 | GGR HOUSING INDIA PVT LTD | GGR/DE2045/2019 |
| 6 | MD FAISAL FARUQI | 15RT1A0127 | GGR HOUSING INDIA PVT LTD | GGR/DE2046/2019 |
| 7 | MIR MUSTAFA ALI KHAN | 15RT1A0138 | GGR HOUSING INDIA PVT LTD | GGR/DE2047/2019 |
| 8 | MIRZA ABID BAIG | 15RT1A0141 | GGR HOUSING INDIA PVT LTD | GGR/DE2048/2019 |
| 9 | MOHAMMED SHOYAB KHAN | 15RT1A0145 | GGR HOUSING INDIA PVT LTD | GGR/DE2049/2019 |
| 10 | MOHAMMED ABDUL AHMED | 15RT1A0146 | GGR HOUSING INDIA PVT LTD | GGR/DE2050/2019 |
| 11 | MOHAMMED ABDUL SALAM | 15RT1A0153 | GGR HOUSING INDIA PVT LTD | GGR/DE2051/2019 |
| 12 | MOHAMMED ABDUL SAMI FAROOQUI | 15RT1A0155 | GGR HOUSING INDIA PVT LTD | GGR/DE2052/2019 |
| 13 | MOHAMMED AKIF KHAN | 15RT1A0159 | GGR HOUSING INDIA PVT LTD | GGR/DE2053/2019 |
| 14 | MOHAMMED AWAIS SHAH | 15RT1A0161 | GGR HOUSING INDIA PVT LTD | GGR/DE2054/2019 |
| 15 | ABDUL ADIL KHAN | 15RT1A0101 | GGR HOUSING INDIA PVT LTD | GGR/DE2055/2019 |
| 16 | MD SADIQ MOHIUDDIN | 15RT1A0135 | GGR HOUSING INDIA PVT LTD | GGR/DE2056/2019 |
| 17 | MOHD ABDUL IRFAN | 15RT1A0183 | GGR HOUSING INDIA PVT LTD | GGR/DE2057/2019 |
| 18 | MOHD IRFAN FAROOQ | 15RT1A0197 | GGR HOUSING INDIA PVT LTD | GGR/DE2058/2019 |
| 19 | MOHD SHOIEN UDDIN | 15RT1A01B2 | GGR HOUSING INDIA PVT LTD | GGR/DE2059/2019 |
| 20 | MOHAMMED GHOUSE MOHIUDDIN | 15RT1A0164 | R9 CONSTRUCTION | R9TSE/11752019 |

**Assessment Year Name : CAYm2**

| S.No | Student Name | Enrollment No | Employee Name | Appointment No |
|---|---|---|---|---|
| 1 | MOHAMMED ABDUL ADIL | 14RT1A0101 | CLASSIC CONSULTING ASSOCIATES | CCA/OLSP00212018 |
| 2 | SYED ARBAZUDDIN | 14RT1A0102 | CLASSIC CONSULTING ASSOCIATES | CCA/OLSP00222018 |
| 3 | SYED ABDUL MUQTADAR | 14RT1A0103 | CLASSIC CONSULTING ASSOCIATES | CCA/OLSP00232018 |
| 4 | MOHD YASEEN | 14RT1A0115 | CLASSIC CONSULTING ASSOCIATES | CCA/OLSP00242018 |
| 5 | ALI RAFIQ FAROOQUI | 14RT1A0120 | CLASSIC CONSULTING ASSOCIATES | CCA/OLSP00252018 |
| 6 | MOHAMMED FAIZUDDIN | 14RT1A0129 | CLASSIC CONSULTING ASSOCIATES | CCA/OLSP00262018 |
| 7 | MOHAMMED ANWAR | 14RT1A0131 | R9 CONSTRUCTION | R9OLSE0142018 |
| 8 | MOHAMMED SAFI UDDIN | 14RT1A0142 | R9 CONSTRUCTION | R9OLSE0152018 |
| 9 | MOHD ABDUL YASSAR | 14RT1A0147 | R9 CONSTRUCTION | R9OLSE0162018 |
| 10 | MOHD MUKARRAM HUSSAIN | 14RT1A0152 | R9 CONSTRUCTION | R9OLSE0172018 |
| 11 | ABDUL RAHEEM | 15RT5A0101 | R9 CONSTRUCTION | R9OLSE0182018 |
| 12 | ISA BIN HUSSAIN BARWAZ | 15RT5A0102 | GGR HOUSING INDIA PVT LTD | GGR/DM1151/2018 |
| 13 | GAJBINKAR SUSHMA | 15RT5A0103 | GGR HOUSING INDIA PVT LTD | GGR/DM1152/2018 |
| 14 | MOHD ABDUL RAHAMAN | 15RT5A0104 | GGR HOUSING INDIA PVT LTD | GGR/DM1153/2018 |
| 15 | MOHD EESAR UDDIN | 15RT5A0105 | GGR HOUSING INDIA PVT LTD | GGR/DM1154/2018 |
| 16 | ZAFAR KHALED SIDDIQUI | 15RT1A01G7 | GGR HOUSING INDIA PVT LTD | GGR/DM1155/2018 |

**Assessment Year Name : CAYm3**

| S.No | Student Name | Enrollment No | Employee Name | Appointment No |
|---|---|---|---|---|
| 1 | BILAL | 13RT1A0110 | S.K.H UNFOTECH | SKH/ASDOL/11052017 |
| 2 | FARAZ HUSSAIN | 13RT1A0112 | S.K.H UNFOTECH | SKH/ASDOL/11062017 |

| | | | | |
|---|---|---|---|---|
| 3 | FAWAAZ AZAM HUSSAIN | 13RT1A0113 | S.K.H UNFOTECH | SKH/ASDOL/11072017 |
| 4 | FAZALULLA KHAN | 13RT1A0114 | S.K.H UNFOTECH | SKH/ASDOL/11082017 |
| 5 | GHOUSE MOHIUDDIN KHAN | 13RT1A0115 | S.K.H UNFOTECH | SKH/ASDOL/11092017 |
| 6 | IMRAN KHAN | 13RT1A0116 | S.K.H UNFOTECH | SKH/ASDOL/11102017 |
| 7 | MD MUBASHEER AHMED | 13RT1A0120 | S.K.H UNFOTECH | SKH/ASDOL/11112017 |
| 8 | MD AMER PASHA | 13RT1A0123 | S.K.H UNFOTECH | SKH/ASDOL/11132017 |
| 9 | MD ASIF SALMAN | 13RT1A0124 | CLASSIC CONSULTING ASSOCIATES | CCA/SE00452017 |
| 10 | MD SAADUDDIN SOHAIL | 13RT1A0128 | CLASSIC CONSULTING ASSOCIATES | CCA/SE00462017 |
| 11 | MD TAHSEEN | 13RT1A0131 | CLASSIC CONSULTING ASSOCIATES | CCA/SE00472017 |
| 12 | MIR AHSEN ALI KHAN | 13RT1A0134 | CLASSIC CONSULTING ASSOCIATES | CCA/SE00482017 |
| 13 | MIR SHAHED ALI | 13RT1A0136 | CLASSIC CONSULTING ASSOCIATES | CCA/SE00492017 |
| 14 | MIRZA AKBAR ALI BAIG | 13RT1A0137 | CLASSIC CONSULTING ASSOCIATES | CCA/SE00502017 |
| 15 | MOHAMMED AHMED ULLA KHAN | 13RT1A0142 | CLASSIC CONSULTING ASSOCIATES | CCA/SE00512017 |
| 16 | MOHAMMED ATIF | 13RT1A0144 | CLASSIC CONSULTING ASSOCIATES | CCA/SE00522017 |
| 17 | MOHAMMED HASAN SAYEED | 13RT1A0146 | CLASSIC CONSULTING ASSOCIATES | CCA/SE00532017 |
| 18 | MOHAMMED MOHSIN SHAREEF | 13RT1A0149 | CLASSIC CONSULTING ASSOCIATES | CCA/SE00542017 |
| 19 | MOHAMMED MUDASSIR ALI SIDDIQUI | 13RT1A0150 | CLASSIC CONSULTING ASSOCIATES | CCA/SE00552017 |
| 20 | MOHAMMED MUDASSIR ATHER | 13RT1A0151 | CLASSIC CONSULTING ASSOCIATES | CCA/SE00562017 |

**4.1 Professional Activities** (20) Total Marks 20.00

**4.1.1 Professional socities/ chapters and organizing engineering events** (5) Institute Marks : 5.00

| SNO | Event | Action Taken | Date | Resource Person | Students |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| 1 | Emerging Trend in Engineering and Technology | National Conference | 17/12/2016 | Dr.G.k.Viswanadh (prof of civil engg & officer on special duty to vice-chancellor,JNTUH) | Students and Teaching staff |
| 2 | Innovative and Water Conservation Practice | Guest Lecture | 21/09/2017 | Dr.G.k.Viswanadh (prof of civil engg & officer on special duty to vice-chancellor,JNTUH | Students and Teaching Staff |
| 3 | Recent Treand in Civil Engineering | Two Days WorkShop | 10th and 11th Sep 2018 | Dr.E.Saibaba Reddy(prof of civil engg and Princial JNTUH) Sri.S.Subash Babu (chief engg civil,BSNL circle,Telangana) | Students and Teaching Staff |
| 4 | Quality Control and NDT Application in Civil engg | Guest Lecture | 18/04/2019 | Dr.V. Bhikshma (proff of civil engg and director off infra structure OU) | Students and Teaching Staff |
| 5 | Building Information Modelling | Guest Lecture | 14/04/2020 | Dr. Mazheruddin Syed Ahmed (technology evangelist Ara institute of Canterbury New Zealand) | 3rd& 4th year |
| 6 | Higher Education Opportunities and Skill for the Future Jobs | Career Guidance Workshop | 07/02/2020 | Dr. Mazheruddin Syed Ahmed (technology evangelist Ara institute of Canterbury New Zealand) | 3rd& 4th year |

# Nawab Shah Alam Khan
## COLLEGE OF ENGINEERING & TECHNOLOGY

Affiliated to OU | Approved by AICTE | Accredited by NAAC | Permitted by Govt. of TS | Included in 2F UGC | Registered with TASK | Cisco Networking Academy

### DEPARTMENT OF CIVIL ENGINEERING

Presents

**Webinar On**

## *FAILURE OF CONCRETE STRUCTURES*



**Speaker:**

**Dr. N V RAMANA RAO**

**DIRECTOR,**

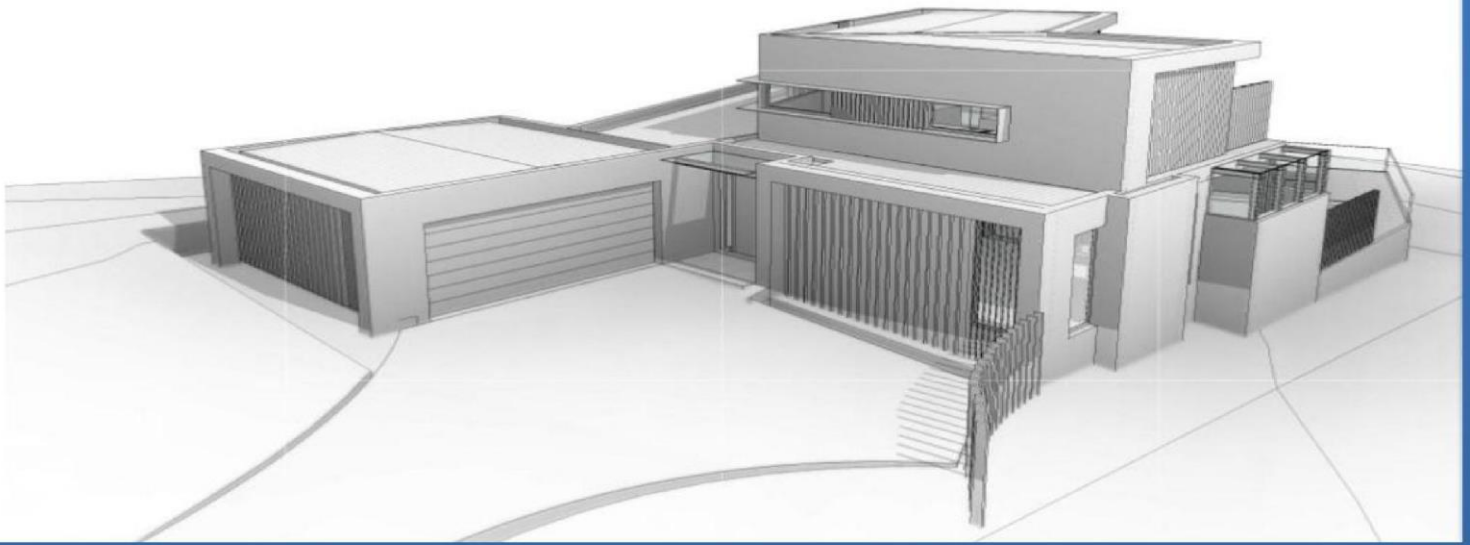
**NIT WARANGAL**

**DATE AND TIME**

26 JUNE 2020

11:00 AM
TO
12:00 PM

**Register here :**



**Emerging Trend in Engineering and Technology (national conference)**



INVITATION

# Nawab Shah Alam Khan
COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE | Permitted by Govt. of Telangana | Affiliated to JNTUH

## INVITATION

You are cordially invited to the
DINNER
ON THE OCCASION
OF
NATIONAL CONFERENCE ON
**EMERGING TRENDS IN ENGINEERING & TECHNOLOGY**
(ETET-2016)
ON **17th DECEMBER 2016**
AT **8.00PM**

VENUE
Seminar Hall, New Building NSAKCET
New Malakpet. Hyderabad.



**Innovative and Water Conservation Practice (guest Lecture)**

# Nawab Shah Alam Khan
## COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE | Permitted by Govt. of Telangana | Affiliated to JNTUH

Date 21/09/2017

## GUEST LECTURE on

## "Innovative Water Conservation Practice"



by

## Dr. G. K. Viswanadh

Professor of Civil Engineering & Officer on Special Duty to Vice-Chancellor, JNTUH

Organized by Civil Engineering Department



# Nawab Shah Alam Khan
## COLLEGE OF ENGINEERING & TECHNOLOGY

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EAMCET Code: NAWB | PGECET Code : NAWB1 | POLYCET Code : NAWB

# Two-day workshop

# on

# "Recent Trends in Civil Engineering"

**GUESTS OF HONOUR**



**Dr. E. Saibaba Reddy,**
Professor of Civil Engineering,
Principal, JNTUH
College of Engineering, Hyd.
Telangana State, India.



**Sri. S. Subhash Babu,**
Joint Chief Engineer (Civil),
BSNL Civil Circle, Telangana.

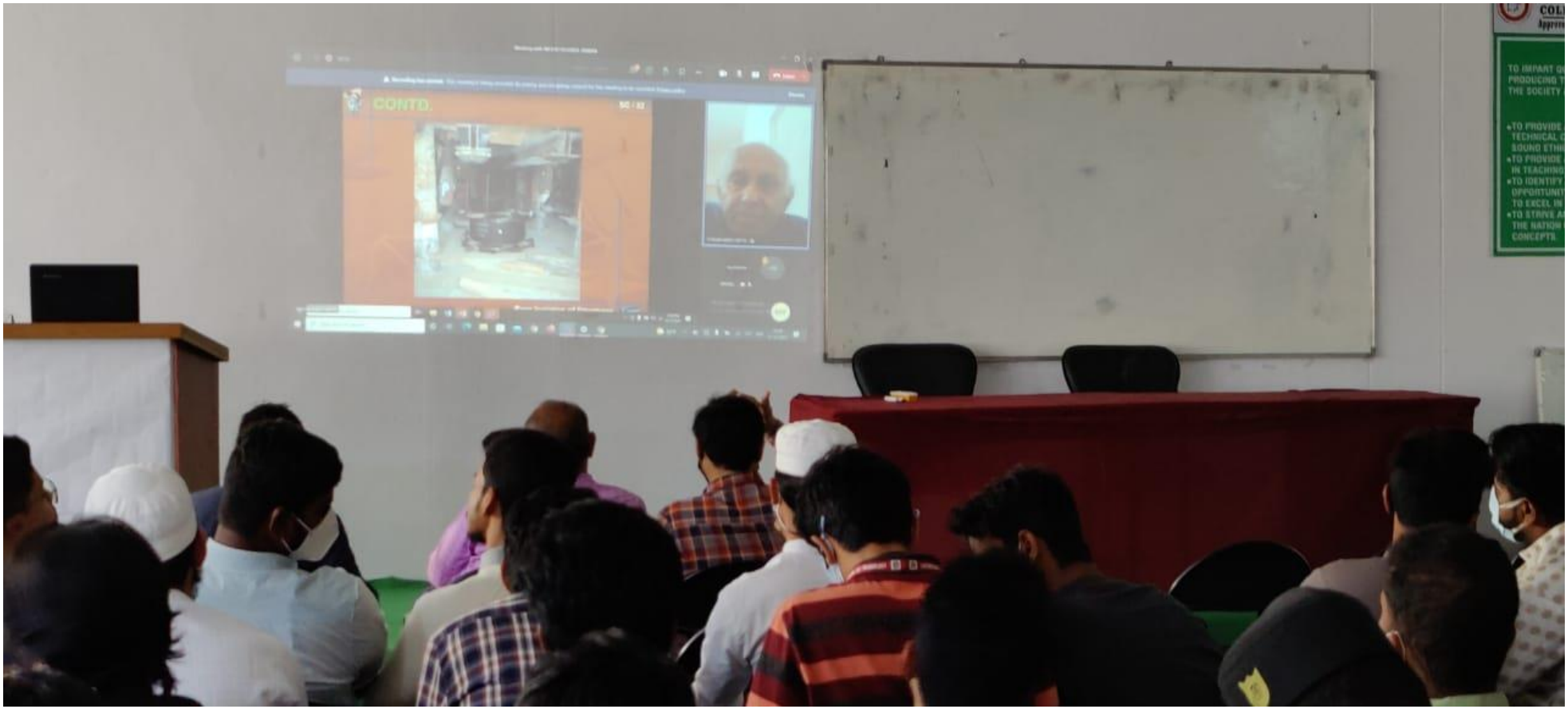
**Highlights :**

- Lecture By Academic & Industrial Experts
- Hands On Session
- Certification

**Date, Time & Venue:**

10th and 11th Sep 2018,
10:00 am To 04:00 pm,
Seminar Hall, Block-G,
NSAKCET.

INSTITUTE OF ENGINEERS ONLINE CONFERENCE 2
21




SOUTH
India.


Nawab Shah
COLLEGE OF ENGINEE
DEPARTMENT OF CIVIL
GUESTS OF HONOUR
Two-day worksho
"Recent Trends in Civil En
Highlights :
Lecture By Academic & In
Hands On Session
Certificates


Business Disruptions
NETFLIX
Nawabshah Alumni Khan
Shot on OnePlus



# Nawab Shah Alam Khan
## COLLEGE OF ENGINEERING & TECHNOLOGY

Affiliated to OU | Approved by AICTE | Permitted by Govt of TS | Accredited by NAAC

## Civil Engineering Department

*A Guest Lecture on*

# Building Information Modelling (BIM) & Sustainability

**Dr. Syed Mazharuddin**
*Technology Evangelist*
Ara Institute of Canterbury, New Zealand

**@9:30AM, 14-Feb-2020, G-Block, Smart Class, LH # 13**




**4.1.2 Publication of technical magazines, newsletters, etc.** (5) Institute Marks : 5.00

**Department has taken the opportunity of publishing newsletters Newsletter**

NAWAB SHAH ALAM KHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, HYDERABAD-500024.

# NEWS LETTER

DEPARTMENT OF CIVIL ENGINEERING | Volume-20 | Sept 2020

Editor
- Mr. Mohd Huzaifa Yaman
  Assistant Professor

Inside:
1.Power point presentation
2.Trainning
3.Faculty Development Program
4.Motivational talk
5.Students participation

For private circulation only.

Quote

[illegible]

## GUEST LECTURE ON BUILDING INFORMATION MODELLING

A Guest Lecture on Building Information Modelling was organized by Civil Engineering Department on 14-02-2020. The speaker at the event was Dr. Mazher Uddin Syed Ahmed Technology Evangelist Ara Institute of Canterbury, New Zealand. He discussed the importance of modelling of the building before the start of any other construction activity.











## CAREER GUIDANCE WORKHOP

A Career Guidance Workshop was organized by Civil Engineering Department on 14-02-2020. The speaker at the event was Dr. Mazher Uddin Syed Ahmed Technology Evangelist Ara Institute of Canterbury, New Zealand. He Encourage the students to take approach towards usage of modern tools currently used in Civil Engineering Industry such as REVIT, BIM , SKETCH etc and guided the student for higher education.

**Student Reviews:**

"The Engineering in NSAKCET lets us understand in a broader sense of subjective with minimal mistakes and clear visions."

-Khaja Ibrahim



NAWAB SHAH ALAM KHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, HYDERABAD-500024.

# NEWS LETTER

DEPARTMENT OF CIVIL ENGINEERING | Volume-19 | Sept 2019

Editor
• Mr. Mohd Huzaifa Yaman
Assistant Professor

Inside:
1.Power point presentation
2.Trainning
3.Faculty Development Program
4.Motivational talk
5.Students participation

For private circulation only.

**Quote**

"As engineers, we were going to be in a position to change the world- not just study it."

-Henry Petroski

## GUEST LECTURE ON QUALITY CONTROL AND NDT APPLICATIONS

A Guest Lecture on Quality Control and NDT Applications was organized by Civil Engineering Department on 18-09-2019. The speaker at the event was Dr.V.BHIKSHMA Professor of civil engineering and director of Infra Structure OU. He discussed about quality control in civil engineering based upon the material and also highlighted the use of non-destructive test on concrete. He encourages the faculty member for FDP.




Broacher of the Event and some clips

## INTERNSHIP AT SATYAVANI CONSTRUCTION

Our student of 4th year has taken internship program in most prominent construction company SATYAVANI CONSTRUCTION. They have learned technical way of solving problem on site as well as how to handle the obstruction coming in construction, they have learned how to read and understand the structural, architectural, electrical and plumbing drawing.








Internship at Satyavani Construction

NAWAB SHAH ALAM KHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, HYDERABAD-500024.

# NEWS LETTER

DEPARTMENT OF CIVIL ENGINEERING | VOLUME-15 | SEPT 2018

Editor
- Mr. Mohd Huzaifa Yaman
Assistant Professor

Inside:
1.Power point presentation
2.Trainning
3.Faculty Development Program
4.Motivational talk
5.Students participation

For private circulation only.

**Quote**

Scientists investigate that which already is; Engineers create that which has never been.

-Albert Einstein

## TWO DAYS WORKSHOP ON RECENT TRENDS IN CIVIL ENGINEERING

A Workshop was conducted on Recent Trend in Civil Engineering organized by Civil Engineering Department between 10th and 11th September 2018. The speaker at the event was Dr. K SAIBABA REDDY Professor of civil engineering, Principal JNTUH and SRI.S. SUBASH BABU chief engineer civil, BSNL circle HYD. They discussed about recent new trend going on in civil engineering filed and how to overcome the difficulty and reduce the cost of construction of the building using this new trend. He moreover discuss the new structural engineering changes caused by using different Software.







Broacher of the Event




## Techno vision fest 2k18

Tech fest is organized by our college on 28.02.2018 Chief Guest of the Techno vison was Dr. A Govardhan, Rector JNTUH. Civil engineers have shown many new concept I have some honorable mentions of few project like Green Building, Rotating Tower, Base Isolation Technique for high rise Buildings, Water filtration Plant and Rotating bridge.

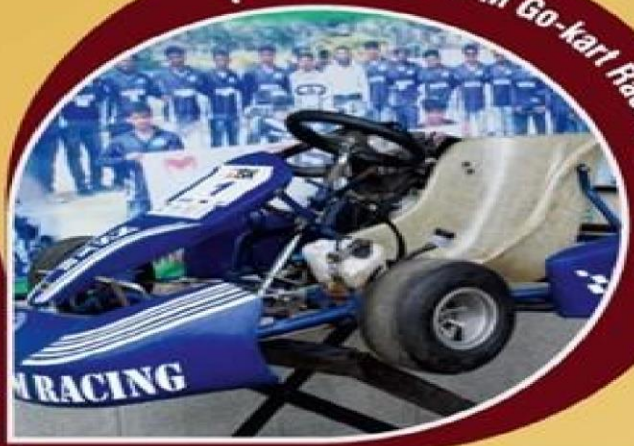








1st in Telangana in Go-kart Racing @ISK-2016





# Tech Diaries 2016

SEPTEMBER



## Nawab Shah Alam Khan
COLLEGE OF ENGINEERING & TECHNOLOGY

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EAMCET Code : NAWB | PGECET Code : NAWB1 | POLYCET Code : NAWB

# Tech Diaries 2016

SEPTEMBER



## Nawab Shah Alam Khan
COLLEGE OF ENGINEERING & TECHNOLOGY

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EAMCET Code : NAWB | PGECET Code : NAWB1 | POLYCET Code : NAWB


NATIONAL CONFERENCE ON
Tech Diaries
September
2017
Nawab Shah Alam Khan
COLLEGE OF ENGINEERING & TECHNOLOGY
Approved by AICTE | Permitted by Govt. of Telangana | Affiliated to JNTUH
EAMCET Code : NAWB | PGECET Code : NAWB1 | POLYCET Code : NAWB | ECET Code : NAWB




Nawab Shah Alam Khan
COLLEGE OF ENGINEERING & TECHNOLOGY

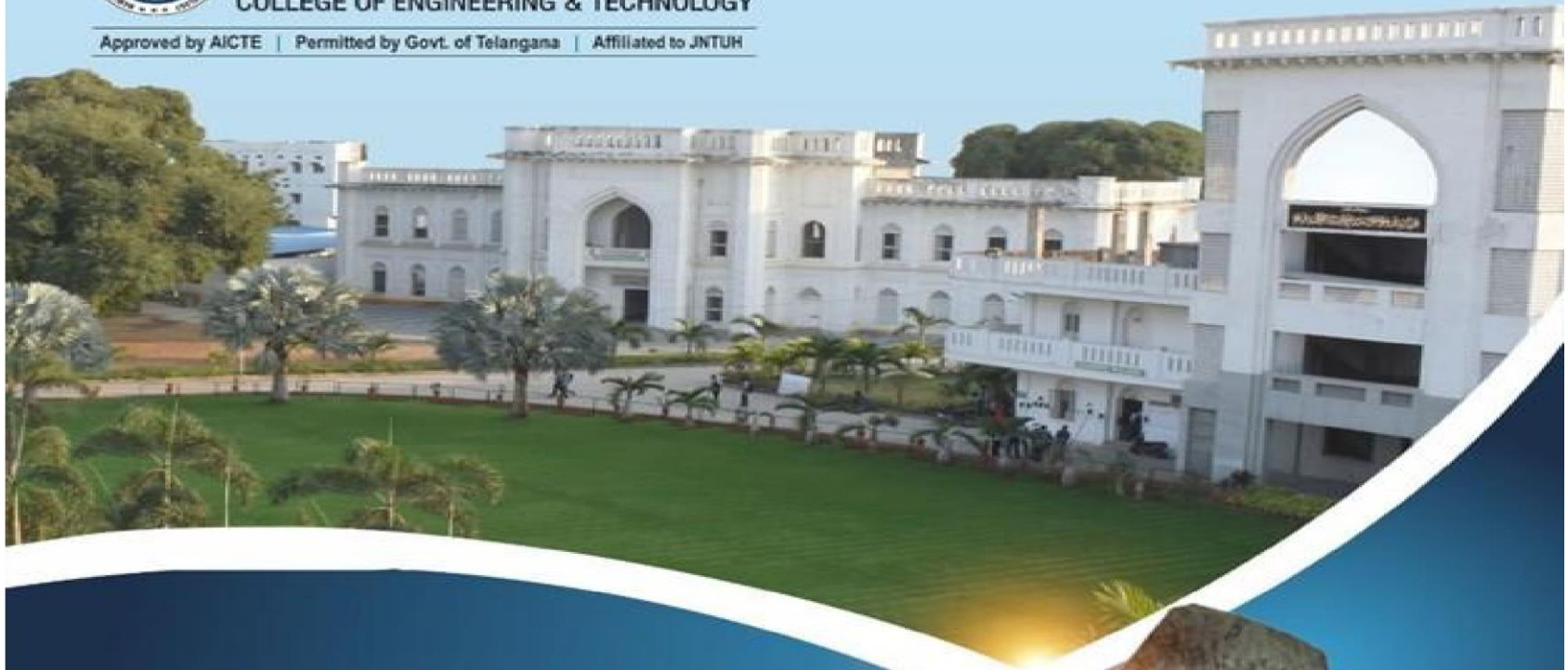
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EAMCET Code : NAWB | PGECET Code : NAWB1 | POLYCET Code : NAWB | ECET Code : NAWB


Tech Diaries
September
2018
Nawab Shah Alam Khan
COLLEGE OF ENGINEERING & TECHNOLOGY
Approved by AICTE | Permitted by Govt. of Telangana | Affiliated to JNTUH
COURSES OFFERED
B. Tech
CE - Civil Engineering
ME - Mechanical Engineering
IT - Information Technology
CSE - Computer Science & Engineering
EEE - Electrical & Electronics Engineering
ECE - Electronics & Communication Engineering
M. Tech
M. Tech (SE) - Structural Engineering
M. Tech (CSE) - Computer Science Engineering
M. Tech (HVAC) - Heating, Ventilation & Air Conditioning
M. Tech (ECE) - Embedded Systems
Polytechnic
Civil Engineering
Mechanical Engineering
Electrical & Electronics Engineering
Electronics & Communication Engineering
EAMCET Code : NAWB | PGECET Code : NAWB1 | POLYCET Code : NAWB | ECET Code : NAWB

# Nawab Shah Alam Khan
COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE | Permitted by Govt. of Telangana | Affiliated to JNTUH





Nawab Shah Alam Khan
Industrialist & Founder Chairman
1921-2017

*Tech Diaries*

*September*

2018

# Nawab Shah Alam Khan
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## OUTSTANDING FEATURES

College campus in city center

Modern and beautiful buildings with an attractive elevation

Digitally enabled spacious classrooms

Beautifully landscaped Campus

Well qualified, knowledgeable and experienced faculty

Modern, well - equipped laboratories and Library.

Modern English language lab equipped with self learning software

High configuration, latest computer systems

100 Mbps dedicated bandwidth internet connection

State-of-the-art seminar hall

Full-fledged Training, Placements & Industrial Relations Department

Effective "In - House Training" imparted to the students to make them industry ready.

Regular guest lectures, FDP & workshops by dignitaries from corporate, companies, Industries & Academia

Ample space and facilities to play indoor and outdoor games

HT, dedicated 200KVA power generator

ATMs & Bank Counter

Disabled friendly campus

Bus Depot, Railway Station & Metro Railway Station - 400 meters away.

TECH DIARIES 2019 SEPTEMBER

# Nawab Shah Alam Khan

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EAMCET Code : NAWB | PGECET Code : NAWB1 | POLYCET Code : NAWB | ECET Code : NAWB

**Contact us:**

16-4-1/A, Subedar Ameer Ali Khan Road,
New Malakpet,Hyderabad - 500 024, Telangana, INDIA.
**info@nsakcet.ac.in | www.nsakcet.ac.in | Ph : 040-2452 5075**
**Mobile : 98496 50796 | 98853 60757 | 79893 28768**

**Department News Letter Editorial Board Members:**

| | | | |
|---|---|---|---|
| 1 | Prof Farrukh anwar | Hod civil | Chief editor |
| 2 | Mr S.M.Shakeeb | Asst proff civil | editor |
| 3 | Mr Mohd Mubasheer Shazeb | Asst Proff Civil | editor |

**Participation of Students from the program(2016 to 2019)**

| sno | Name of student | event | Position/prize | Awarded by |
|---|---|---|---|---|
| 1 | MIR SHAHED ALI | TECHNOVISION 2019 | PARTICIPATED | NSAKCET |
| 2 | Syed Minhaj uddin AHMED | TECHNOVISION 2019 | PARTICIPATED | NSAKCET |
| 3 | SYED ILYAS AHMED | TECHNOVISION 2019 | PARTICIPATED | NSAKCET |
| 4 | MOHD YOUNUS | TECHNOVISION 2019 | PARTICIPATED | NSAKCET |
| 5 | MOHD BASHEERULLAH | TECHNOVISION 2019 | PARTICIPATED | NSAKCET |
| 6 | SYED ADNAN AHMED | TECHNOVISION 2019 | PARTICIPATED | NSAKCET |

**4.1.3 Participationininter-institute events by students of the program of study** (10) Institute Marks : 10.00

**STUDENTS ACTIVITIES & ACHIEVEMENTS INTER COLLEGE ACHIEVEMENTS LIST YEAR (2016-17)**

| sno | Name of student | Year/roll no | event | Position/prize | Awarded by |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| **1** | **Faraz Hussain** | **4th year/13rt1a0112** | **Ignite 2 day national conference** | **participated** | **Nizam college of engg and tech** |
| **2** | **Md amer pasha** | **4th year/13rt1a0123** | **Ignite 2 day national conference** | **participated** | **Nizam college of engg and tech** |
| **3** | **Md tahseen** | **4th year/13rt1a0131** | **Ignite 2 day national conference** | **participated** | **Nizam college of engg and tech** |

**YEAR (2017-18)**

| SNO | Name of student | Year/roll no | event | Position/prize | Awarded by |
|---|---|---|---|---|---|
| **1** | **Mohamed abdul adil** | **4th /14rt1a0101** | **Ignite 2 day national conference** | **participated** | **Nizam college of engg and tech** |
| **2** | **Mohammed faizuddin** | **4th/14rt1a0129** | **Ignite 2 day national conference** | **participated** | **Nizam college of engg and tech** |
| **3** | **Musaib Zubair khan** | **4th/14rt1a0160** | **Ignite 2 day national conference** | **participated** | **Nizam college of engg and tech** |

**YEAR (2018-19)**

| SNO | Name of student | Year/roll no | event | Position/prize | Awarded by |
|---|---|---|---|---|---|
| **1** | **K MANIS** | **2nd /17rt1a0165** | **AQUATICS** | **PARTICIPATED** | **TS TRIATHLON ASSOCIATION** |
| **2** | **MOHAMMED IMAD UDDIN HUSSAIN** | **1st/18rt1a0161** | **AQUATICS** | **PARTICIPATED** | **TS TRIATHLON ASSOCIATION** |

**YEAR (2019-20)**

| SNO | Name of student | event | Position/prize | Awarded by |
|---|---|---|---|---|
| **1** | Mohammed Imaduddin Husain | National Triathlon Championship | **participated** | Indian Triathlon Federation, Kerala |
| **2** | Fahad Mohd | Cricket | **participated** | Vardhaman College of Engineering |
| **3** | Atah | Cricket | **participated** | Vardhaman College of Engineering |

| | | | | |
|---|---|---|---|---|
| **4** | Mansoor | Cricket | **participated** | Vardhaman College of Engineering |
| **5** | Zaffer | Cricket | **participated** | Vardhaman College of Engineering |
| **6** | Ilyas | Cricket | **participated** | Vardhaman College of Engineering |
| **7** | Arbaz | Cricket | **participated** | Vardhaman College of Engineering |
| **8** | Abdul Rahman | Cricket | **participated** | Vardhaman College of Engineering |
| **9** | Mohib | Cricket | **participated** | Vardhaman College of Engineering |

# INDIAN TRIATHLON FEDERATION

(Affiliated to Indian Olympic Association, Asian Triathlon confederation and International Triathlon Union)

*PRESIDENT*
**Mrs. Surekha Ramachandran**
Tel : +91 44 24340254 / 24340252
Fax : +91 44 24340253
E-mail : indiantriathlonfederation@gmail.com

Khivraj Complex II, 2nd Floor
No. 480, Anna Salai, Nandanam
Chennai - 600 035.
Tamilnadu, India.

Ref. No.: Event 003/2019

Date: 08/07/2019

## EVENT DETAILS

**JUNIOR & SENIOR (MEN & WOMEN – INDIVIDUAL EVENT)**
**NATIONAL TRIATHLON CHAMPIONSHIP 2018 – 2019**
**THIRUVANANTHAPURAM, KERALA, 24TH & 25TH August 2019**

We are pleased to inform you that Indian Triathlon Federation propose to conduct the **Junior & Senior (Men & Women – Individual Event) National Triathlon Championship 2018 – 2019** which will be held on **24th & 25th August 2019** at **Vellayani Agriculture College Lake, Thiruvananthapuram, Kerala**. The details are as follows.

**DISTANCE:**

The distance to be covered by each triathlete is as under:

| JUNIOR INDIVIDUAL EVENT | SWIM (Open Water) | CYCLE | RUN |
|---|---|---|---|
| | 750 Mtrs | 20 Kms | 5 Kms |

| SENIOR INDIVIDUAL EVENT | SWIM (Open Water) | CYCLE | RUN |
|---|---|---|---|
| | 1500 Mtrs | 40 Kms | 10 Kms |

- *Timing will be maintained by the chip system by "Timing Technologies India Pvt. Ltd."*

**ENTRIES:**

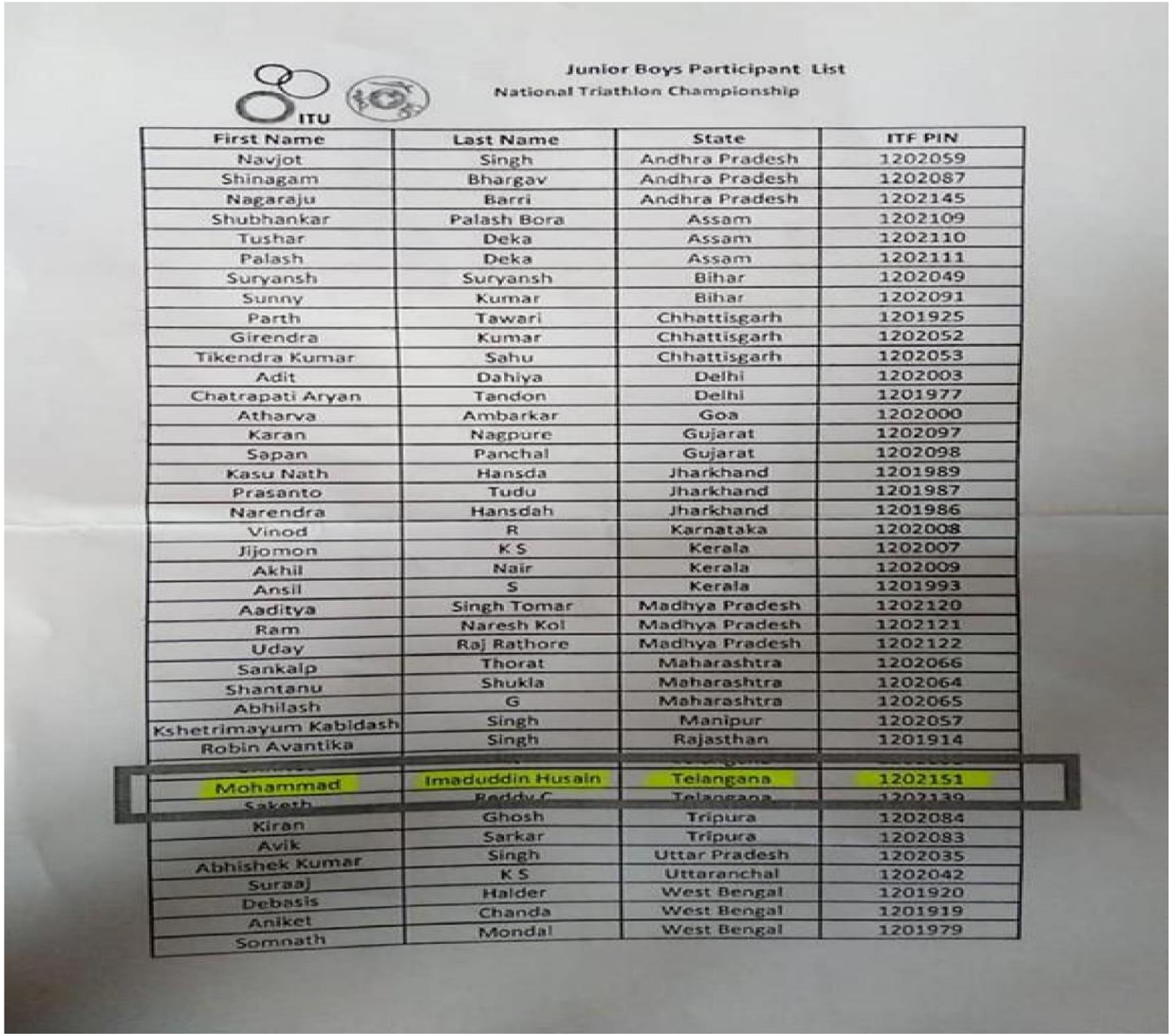
| PER STATE | 3 Men (Junior)<br>3 Men (Senior) | 3 Women(Junior)<br>3 Women(Senior) | 1 Manager<br>or<br>1 Coach |
|---|---|---|---|

INDIAN TRIATHLON FEDERATION Chennai 600 035.

*General Secretary*
**Aman Gupta**
2752, Kinari Bazar
New Delhi - 110 006, India
Phone : (O) +91 11 23329662
(R) +91 11 23260490

*Treasurer*
**P. Muralidharan**
No. 6, Bharatiyar Street,
Mahalakshmi Nagar,
Madipakkam, Chennai - 600 091
Tamil Nadu, India

Regd. No. 123 of 1990



ITU

## Junior Boys Participant List

National Triathlon Championship

| First Name | Last Name | State | ITF PIN |
|---|---|---|---|
| Navjot | Singh | Andhra Pradesh | 1202059 |
| Shinagam | Bhargav | Andhra Pradesh | 1202087 |
| Nagaraju | Barri | Andhra Pradesh | 1202145 |
| Shubhankar | Palash Bora | Assam | 1202109 |
| Tushar | Deka | Assam | 1202110 |
| Palash | Deka | Assam | 1202111 |
| Suryansh | Suryansh | Bihar | 1202049 |
| Sunny | Kumar | Bihar | 1202091 |
| Parth | Tawari | Chhattisgarh | 1201925 |
| Girendra | Kumar | Chhattisgarh | 1202052 |
| Tikendra Kumar | Sahu | Chhattisgarh | 1202053 |
| Adit | Dahiya | Delhi | 1202003 |
| Chatrapati Aryan | Tandon | Delhi | 1201977 |
| Atharva | Ambarkar | Goa | 1202000 |
| Karan | Nagpure | Gujarat | 1202097 |
| Sapan | Panchal | Gujarat | 1202098 |
| Kasu Nath | Hansda | Jharkhand | 1201989 |
| Prasanto | Tudu | Jharkhand | 1201987 |
| Narendra | Hansdah | Jharkhand | 1201986 |
| Vinod | R | Karnataka | 1202008 |
| Jijomon | K S | Kerala | 1202007 |
| Akhil | Nair | Kerala | 1202009 |
| Ansil | S | Kerala | 1201993 |
| Aaditya | Singh Tomar | Madhya Pradesh | 1202120 |
| Ram | Naresh Kol | Madhya Pradesh | 1202121 |
| Uday | Raj Rathore | Madhya Pradesh | 1202122 |
| Sankalp | Thorat | Maharashtra | 1202066 |
| Shantanu | Shukla | Maharashtra | 1202064 |
| Abhilash | G | Maharashtra | 1202065 |
| Kshetrimayum Kabidash | Singh | Manipur | 1202057 |
| Robin Avantika | Singh | Rajasthan | 1201914 |
| [illegible] | [illegible] | [illegible] | [illegible] |
| Mohammad | Imaduddin Husain | Telangana | 1202151 |
| Saketh | Reddy C | Telangana | 1202139 |
| Kiran | Ghosh | Tripura | 1202084 |
| Avik | Sarkar | Tripura | 1202083 |
| Abhishek Kumar | Singh | Uttar Pradesh | 1202035 |
| Suraaj | K S | Uttaranchal | 1202042 |
| Debasis | Halder | West Bengal | 1201920 |
| Aniket | Chanda | West Bengal | 1201919 |
| Somnath | Mondal | West Bengal | 1201979 |


Nawab Shah Alam Khan
COLLEGE OF ENGINEERING & TECHNOLOGY
16-4-1/A, New Malakpet, Hyderabad -24.
8RT1A0161
MOHAMMED IMADUDDIN HUSAIN
S/O MOHAMMED RUKNUDDIN
ourse : B.TECH (Civil)
ate of Birth : 16/04/2000
ddress : 3-6-565, Himayathnagar, Hyd.
Mobile : 9989820753 / 9573916670
Blood Group : A+ve
Card Validity: 2018-2022
Vice Principal




OPPO F11




## Department of Civil Engineering

## Faculty List – (AY:2021- 2022)

| S.NO | Name | PAN No | Qualification | Area of Specialization | Designation | Date of Joining | Date on which Designated as Professor/Associate Professor | Currently Associated(Y/N) | Nature of Association(regular/Contract/Adjunct) | If contractual mention full time or Part time | Date of Leaving(In case Currently Associated is "No") |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Dr. MOHAMMED AHMED HUSSAIN | AJEPH1825P | ME/M. Tech and PhD | STR. ENGG | Professor | 01-04-2021 | 01-04-2021 | Y | Regular | FT | |
| 2 | DR. ISHAQ | APUPM5505K | ME/M. Tech and PhD | STR. ENGG | Professor | 06-04-2021 | 06-04-2021 | Y | Regular | FT | |
| 3 | DR. GOURI SHANKAR PADHI | BZLPP9556M | ME/M. Tech and PhD | STR. ENGG | Professor | 02-03-2016 | 02-03-2016 | Y | Regular | FT | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | SYED FARRUKH ANWAR | AHUPS5062M | ME/M. Tech and (PhD-thesis submitted) | STR. ENGG | Associate Professor & HOD | 08-02-2010 | 08-02-2010 | Y | Regular | FT | |
| 5 | MD ISMAIL | AAFPI4541R | M.E/M.Tech | STR. ENGG | Associate Professor | 18/07/2018 | 18/07/2018 | Y | Regular | FT | |
| 6 | Mr. S. TAGORE SINGH | ANIPS7856F | M.E/M.Tech | STR. ENGG | Associate Professor | 02-11-2020 | 02-11-2020 | Y | Regular | FT | |
| 7 | MOHD HUZAIFA YAMAN | AECPY3773N | M.E/M.Tech | STR. ENGG | Associate Professor | 19/06/2015 | | Y | Regular | FT | |
| 8 | NOOR MOHAMMED | CNGPM5820R | M.E/M.Tech | STR. ENGG | Associate Professor | 16/06/2014 | | Y | Regular | FT | |
| 9 | MOHAMMED SALMAN | CIVPS1085G | M.E/M.Tech | STR. ENGG | Associate Professor | 16/09/2016 | | Y | Regular | FT | |
| 10 | Mohd Toufeeq | ARPPT2500E | M.E/M.Tech | STR. ENGG | Associate Professor | 14/07/2016 | | Y | Regular | FT | |
| 11 | MOHD ZAKER | CDLPM8271R | M.E/M.Tech | STR. ENGG | Associate Professor | 18/01/2016 | | Y | Regular | FT | |
| 12 | Mohd Yousuf Ahmed | BJWPA0583J | M.E/M.Tech | STR. ENGG | Associate Professor | 23/09/2016 | | Y | Regular | FT | |
| 13 | MOHD ABDUL AQUIL | BMTPA1957Q | M.E/M.Tech | STR. ENGG | Associate Professor | 07-04-2016 | | Y | Regular | FT | |
| 14 | SHAIK MOHAMMED JAVID | EEQPS8760R | M.E/M.Tech | STR. ENGG | Associate Professor | 01-08-2016 | | Y | Regular | FT | |
| 15 | MOHD RIYYAN | BMRPR7799K | M.E/M.Tech | STR. ENGG | Assistant Professor | 01-02-2017 | | Y | Regular | FT | |
| 16 | SALAHUDDIN SHAKEEB S M | CZWPS3923D | M.E/M.Tech | CONST.TECH | Assistant Professor | 07-04-2016 | | Y | Regular | FT | |
| 17 | MOHD MUBASHEER SHAZEB | CARPM8895C | M.E/M.Tech | STR. ENGG | Assistant Professor | 17/06/2016 | | Y | Regular | FT | |
| 18 | MOHAMMED RAFI | CABPR7410Q | M.E/M.Tech | STR. ENGG | Assistant Professor | 02-08-2016 | | Y | Regular | FT | |
| 19 | MD IMTIYAZ QURESHI | AAPPQ3279C | M.E/M.Tech | STR. ENGG | Assistant Professor | 24/04/2017 | | Y | Regular | FT | |
| 20 | SYED KHALEELULLAH SHAH QUADRI | AAWPQ0084E | M.E/M.Tech | STR. ENGG | Assistant Professor | 09-01-2016 | | Y | Regular | FT | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 21 | MOHD AZHERUDDIN | BPRPA5718N | M.E/M.Tech | STR. ENGG | Assistant Professor | 22/11/2016 | | Y | Regular | FT | |
| 22 | MOHD HASEEB | CBPPM2521J | M.E/M.Tech | STR. ENGG | Assistant Professor | 27/05/2017 | | Y | Regular | FT | |
| 23 | K.MANGA | COZPK5664M | M.E/M.Tech | ENV.ENGG | Assistant Professor | 07-02-2018 | | Y | Regular | FT | |
| 24 | MD AMEER KHUSRO | DUOPK5464B | M.E/M.Tech | GTE.ENGG | Assistant Professor | 26/11/2018 | | Y | Regular | FT | |
| 25 | Mr. AHMED | CVCPM8980Q | M.E/M.Tech | STR. ENGG | Assistant Professor | 01-04-2021 | | Y | Regular | FT | |
| 26 | Ms.SHAMEEM SULTANA | FHEPS1474N | M.E/M.Tech | GEO.ENVIRONMENTAL ENGG | Assistant Professor | 01-04-2021 | | Y | Regular | FT | |
| 27 | ALI FIRASATH MOHAMMED | BOAPA1052D | M.E/M.Tech | STR. ENGG | Assistant Professor | 07-05-2016 | | Y | Regular | FT | |
| 28 | MOULALI | DDUPM0554B | M.E/M.Tech | ENF.ENGG | Assistant Professor | 30/12/2016 | | Y | Regular | FT | |
| 29 | MUJJU MUZAMIL | BPEPM3027D | M.E/M.Tech | STR. ENGG | Assistant Professor | 17/10/2016 | | Y | Regular | FT | |
| 30 | M MOHAMMEDI | CVCPM8980Q | ME/M. Tech | STR. ENGG | Assistant Professor | 08-10-2018 | | Y | Regular | FT | |
| 31 | CHOWDHARY MUJAHID MOHD MAAZ | AXQPC8388Q | M.E/M.Tech | STR. ENGG | Assistant Professor | 02-10-2017 | | Y | Regular | FT | |
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| 23 | MOHD HASEEB | CBPPM2521J | M.E/M.Tech | STR. ENGG | Assistant Professor | 27/05/2017 | | Y | Regular | FT | |
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| 26 | Mr. AHMED | CVCPM8980Q | M.E/M.Tech | STR. ENGG | Assistant Professor | 01-04-2021 | | Y | Regular | FT | |
| 27 | Ms.SHAMEEM SULTANA | FHEPS1474N | M.E/M.Tech | GEO.ENVIRONMENTAL ENGG | Assistant Professor | 01-04-2021 | | Y | Regular | FT | |
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| 29 | MOULALI | DDUPM0554B | M.E/M.Tech | ENF.ENGG | Assistant Professor | 30/12/2016 | | Y | Regular | FT | |
| 30 | MUJJU MUZAMIL | BPEPM3027D | M.E/M.Tech | STR. ENGG | Assistant Professor | 17/10/2016 | | Y | Regular | FT | |
| 31 | M MOHAMMEDI | CVCPM8980Q | ME/M. Tech | STR. ENGG | Assistant Professor | 08-10-2018 | | Y | Regular | | |
| 32 | CHOWDHARY MUJAHID MOHD MAAZ | AXQPC8388Q | M.E/M.Tech | STR. ENGG | Assistant Professor | 02-10-2017 | | Y | Regular | FT | |
| 33 | USAMA BIN ABDUL AZIZ ALAMODI | BVAPA2167G | ME/M. Tech | STR. ENGG | Assistant Professor | 09-01-2016 | | Y | Regular | | |



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## Department of Civil Engineering

# CAYm1 Faculty List – (AY:2019- 2020)

| S.NO | Name | PAN No | Qualification | Area of Specialization | Designation | Date of Joining | Date on which Designated as Professor/Associate Professor | Currently Associated(Y/N) | Nature of Association(regular/Contract/Adjunct) | If contractual mention full time or Part time | Date of Leaving(In case Currently Associated is "No") |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Dr S AMARESH BABU | AGQPS4626N | ME/M. Tech and PhD | STR. ENGG | HOD & Professor | 01-07-2019 | 01-07-2019 | Y | Regular | | |
| 2 | GOURI SHANKAR PADHI | BZLPP9556M | ME/M. Tech and PhD | STR. ENGG | Professor | 02-03-2016 | 02-03-2016 | Y | Regular | | |
| 3 | A K ASTHANA | ABLPA4713G | ME/M. Tech and PhD | STR. ENGG | Professor | 19/11/2016 | 19/11/2016 | N | Regular | | 31-08-2019 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | DR. RAMESH REDDY | AAPPR5381L | ME/M. Tech and PhD | STR. ENGG | Professor | 27/12/2016 | 27/12/2016 | N | Regular | | 30-09-2019 |
| 5 | SYED FARRUKH ANWAR | AHUPS5062M | ME/M. Tech | STR. ENGG | Associate Professor | 08-02-2010 | 08-02-2010 | Y | Regular | | |
| 6 | MD ISMAIL | AAFPI4541R | ME/M. Tech | HYDRO MECHANIC AND WATER MANAGEMENT | Associate Professor | 18/07/2018 | 18/07/2018 | Y | Regular | | |
| 7 | MOHD HASHMATH | BKOPM2824D | ME/M. Tech | STR. ENGG | Associate Professor | 12-04-2014 | | N | Regular | | 30-09-2019 |
| 8 | MOHD HUZAIFA YAMAN | AECPY3773N | ME/M. Tech | STR. ENGG | Associate Professor | 19/06/2015 | | Y | Regular | | |
| 9 | NOOR MOHAMMED | CNGPM5820R | ME/M. Tech | STR. ENGG | Associate Professor | 16/06/2014 | | Y | Regular | | |
| 10 | MOHAMMED SALMAN | CIVPS1085G | ME/M. Tech | STR. ENGG | Associate Professor | 16/09/2016 | | Y | Regular | | |
| 11 | MOHD TOUFEEQ | ARPPT2500E | ME/M. Tech | STR. ENGG | Associate Professor | 14/07/2016 | | Y | Regular | | |
| 12 | MOHD ZAKER | CDLPM8271R | ME/M. Tech | STR. ENGG | Assistant Professor | 18/01/2016 | | Y | Regular | | |
| 13 | ALI FIRASATH MOHAMMED | BOAPA1052D | ME/M. Tech | STR. ENGG | Assistant Professor | 07-05-2016 | | Y | Regular | | |
| 14 | MOHD YOUSUF AHMED | BJWPA0583J | ME/M. Tech | STR. ENGG | Assistant Professor | 23/09/2016 | | Y | Regular | | |
| 15 | MOHD MUBASHEER SHAZEB | CARPM8895C | ME/M. Tech | STR. ENGG | Assistant Professor | 17/06/2016 | | Y | Regular | | |
| 16 | SALAHUDDIN SHAKEEB S M | CZWPS3923D | ME/M. Tech | CONST.ENGG | Assistant Professor | 07-04-2016 | | Y | Regular | | |
| 17 | SHAIK MOHAMMED JAVID | EEQPS8760R | ME/M. Tech | STR. ENGG | Assistant Professor | 01-08-2016 | | Y | Regular | | |
| 18 | RAMAVATH SHANKAR | BIDPR2159B | ME/M. Tech | STR. ENGG | Assistant Professor | 01-04-2016 | | Y | Regular | | |
| 19 | MOHAMMED RAFI | CABPR7410Q | ME/M. Tech | STR. ENGG | Assistant Professor | 02-08-2016 | | Y | Regular | | |
| 20 | MOHD ABDUL AQUIL | BMTPA1957Q | ME/M. Tech | STR. ENGG | Assistant Professor | 07-04-2016 | | Y | Regular | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 21 | SHAIK MOHAMMED SIDDIQ | GBKPS8058B | ME/M. Tech | STR. ENGG | Assistant Professor | 15/07/2016 | | Y | Regular | | |
| 22 | USAMA BIN ABDUL AZIZ ALAMODI | BVAPA2167G | ME/M. Tech | STR. ENGG | Assistant Professor | 09-01-2016 | | Y | Regular | | |
| 23 | SYED KHALEELULLAH SHAH QUADRI | AAWPQ0084E | ME/M. Tech | GTE. ENGG | Assistant Professor | 09-01-2016 | | Y | Regular | | |
| 24 | MUJJU MUZAMIL | BPEPM3027D | ME/M. Tech | STR. ENGG | Assistant Professor | 17/10/2016 | | Y | Regular | | |
| 25 | MOHD AZHERUDDIN | BPRPA5718N | ME/M. Tech | STR. ENGG | Assistant Professor | 22/11/2016 | | Y | Regular | | |
| 26 | MOHD BASHARATH ALI KASHIF | BKAPK5736J | ME/M. Tech | STR. ENGG | Assistant Professor | 07-01-2016 | | N | Regular | | 28-04-2020 |
| 27 | MOHD RIYYAN | BMRPR7799K | ME/M. Tech | STR. ENGG | Assistant Professor | 01-02-2017 | | Y | Regular | | |
| 28 | MAAZ MUJAHID CHOWDHARY | AXQPC8388Q | ME/M. Tech | STR. ENGG | Assistant Professor | 02-10-2017 | | Y | Regular | | |
| 29 | KHAN SHOEB AMER ALI MOHAMMED | EYNPK4662P | ME/M. Tech | TRANS.ENGG | Assistant Professor | 23/02/2017 | | Y | Regular | | |
| 30 | MD IMTIYAZ QURESHI | AAPPQ3279C | ME/M. Tech | STR. ENGG | Assistant Professor | 24/04/2017 | | Y | Regular | | |
| 31 | MOHD HASEEB | CBPPM2521J | ME/M. Tech | STR. ENGG | Assistant Professor | 27/05/2017 | | Y | Regular | | |
| 32 | MD ALAUDDIN | ATIPA4258M | ME/M. Tech | STR. ENGG | Assistant Professor | 27/05/2017 | | N | Regular | | 31-05-2020 |
| 33 | K.Manga | COZPK5664M | ME/M. Tech | ENV.ENGG | Assistant Professor | 07-02-2018 | | Y | Regular | | |
| 34 | M MOHAMMEDI | CVCPM8980Q | ME/M. Tech | STR. ENGG | Assistant Professor | 08-10-2018 | | Y | Regular | | |
| 35 | MD AMEER KHUSRO | DUOPK5464B | ME/M. Tech | GTE. ENGG | Assistant Professor | 26/11/2018 | | Y | Regular | | |
| 36 | MOULALI | DDUPM0554B | ME/M. Tech | ENV.ENGG | Assistant Professor | 30/12/2016 | | Y | Regular | | |










# Nawab Shah Alam Khan
## COLLEGE OF ENGINEERING & TECHNOLOGY

Affiliated to OU | Approved by AICTE | Accredited by NAAC | Permitted by Govt. of TS | Included in 2F UGC | Registered with TASK | Cisco Networking Academy

## Department of Civil Engineering

## CAYm2 - Faculty List – (AY:2018- 2019)

| S.NO | Name | PAN No | Qualification | Area of Specialization | Designation | Date of Joining | Date on which Designated as Professor/Associate Professor | Currently Associated(Y/N) | Nature of Association(regular/Contract/Adjunct) | If contractual mention full time or Part time | Date of Leaving(In case Currently Associated is "No") |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Dr. SRINIVAS REDDY BUSSOLI | ABDPB6399P | ME/M. Tech and PhD | STR.ENGG | Professor | 22/07/2016 | 22/07/2016 | Y | Regular | | |
| 2 | Dr.ASHOK KUMAR ASTHANA | ABLPA4713G | ME/M. Tech and PhD | STR.ENGG | Professor | 19/11/2016 | 19/11/2016 | y | Regular | | |
| 3 | Dr. RAMESH REDDY | AAPPR5381L | ME/M. Tech and PhD | STR.ENGG | Professor | 27/12/2016 | 27/12/2016 | y | Regular | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | Dr. GOURI SANKAR PADHI | BZLPP9556M | ME/M. Tech and PhD | STR.ENGG | Professor | 02-03-2016 | 02-03-2016 | Y | Regular | | |
| 5 | Dr.MOHAMMED AHMED HUSSAIN | AJEPH1825P | ME/M. Tech and PhD | STR.ENGG | HOD & Professor | 07/02/2018 | 07/02/2018 | Y | Regular | | |
| 6 | SYED FARRUKH ANWAR | AHUPS5062M | ME/M. Tech | STR.ENGG | Associate Professor | 08/02/2010 | 08/02/2010 | Y | Regular | | |
| 7 | ABDUR RAZZAK | ADFPR3550A | ME/M. Tech | STR.ENGG | Associate Professor | 02/07/2018 | 02/07/2018 | N | Regular | | |
| 8 | MD ISMAIL | AAFPI4541R | ME/M. Tech | STR.ENGG | Associate Professor | 18/07/2018 | 18/07/2018 | Y | Regular | | |
| 9 | MOHD HASHMATH | BKOPM2824D | ME/M. Tech | STR.ENGG | Associate Professor | 12/04/2014 | | Y | Regular | | |
| 10 | MOHD HUZAIFA YAMAN | AECPY3773N | ME/M. Tech | STR.ENGG | Associate Professor | 19/06/2015 | | Y | Regular | | |
| 11 | NOOR MOHAMMED | CNGPM5820R | ME/M. Tech | STR.ENGG | Associate Professor | 16/06/2014 | | Y | Regular | | |
| 12 | MOHAMMED SALMAN | CIVPS1085G | ME/M. Tech | STR.ENGG | Associate Professor | 16/09/2016 | | Y | Regular | | |
| 13 | MOHD TOUFEEQ | ARPPT2500E | ME/M. Tech | STR.ENGG | Associate Professor | 14/07/2016 | | Y | Regular | | |
| 14 | SHAIK MOHAMMED JAVID | EEQPS8760R | ME/M. Tech | STR.ENGG | Assistant Professor | 01/08/2016 | | Y | Regular | | |
| 15 | MOHD ZAKER | CDLPM8271R | ME/M. Tech | STR.ENGG | Assistant Professor | 18/01/2016 | | Y | Regular | | |
| 16 | MOHD YOUSUF AHMED | BJWPA0583J | ME/M. Tech | STR.ENGG | Assistant Professor | 23/09/2016 | | Y | Regular | | |
| 17 | KHAN SHOEB AMER ALI MOHAMMED | EYNPK4662P | ME/M. Tech | STR.ENGG | Assistant Professor | 23/02/2017 | | Y | Regular | | |
| 18 | MD IMTIYAZ QURESHI | AAPPQ3279C | ME/M. Tech | STR.ENGG | Assistant Professor | 24/04/2017 | | Y | Regular | | |
| 19 | SALAHUDDIN SHAKEEB S M | CZWPS3923D | ME/M. Tech | C.T | Assistant Professor | 07/04/2016 | | Y | Regular | | |
| 20 | MOHD MUBASHEER SHAZEB | CARPM8895C | ME/M. Tech | STR.ENGG | Assistant Professor | 17/06/2016 | | Y | Regular | | |
| 21 | ALI FIRASATH MOHAMMED | BOAPA1052D | ME/M. Tech | STR.ENGG | Assistant Professor | 07/05/2016 | | Y | Regular | | |
| 22 | MOHD AHMED WASEE AHMED | BQFPA9981A | ME/M. Tech | STR.ENGG | Assistant Professor | 08/01/2016 | | N | Regular | | |
| 23 | HAZARI ABDUL RAFAY MOHAMMED | ANFPH4770E | ME/M. Tech | STR.ENGG | Assistant Professor | 07/01/2017 | | N | Regular | | |
| 24 | SYED AMJAD PEER QUADRI | CGWPP3727P | ME/M. Tech | GTE.ENG G | Assistant Professor | 16/11/2015 | | N | Regular | | |
| 25 | MOHD ABDUL AQUIL | BMTPA1957Q | ME/M. Tech | STR.ENGG | Assistant Professor | 07/04/2016 | | Y | Regular | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 26 | MUJJU MUZAMIL | BPEPM3027D | ME/M. Tech | STR.ENGG | Assistant Professor | 17/10/2016 | | Y | Regular | | |
| 27 | MOHAMMED RAFI | CABPR7410Q | ME/M. Tech | STR.ENGG | Assistant Professor | 02/08/2016 | | Y | Regular | | |
| 28 | USAMA BIN ABDUL AZIZ ALAMODI | BVAPA2167G | ME/M. Tech | STR.ENGG | Assistant Professor | 09/01/2016 | | Y | Regular | | |
| 29 | SYED KHALEELULLAH SHAH QUADRI | AAWPQ0084E | ME/M. Tech | STR.ENGG | Assistant Professor | 09/01/2016 | | Y | Regular | | |
| 30 | MOHD AZHERUDDIN | BPRPA5718N | ME/M. Tech | STR.ENGG | Assistant Professor | 22/11/2016 | | Y | Regular | | |
| 31 | CHOWDHARY MUJAHID MOHD MAAZ | AXQPC8388Q | ME/M. Tech | STR.ENGG | Assistant Professor | 02/10/2017 | | Y | Regular | | |
| 32 | MOHD HASEEB | CBPPM2521J | ME/M. Tech | STR.ENGG | Assistant Professor | 27/05/2017 | | Y | Regular | | |
| 33 | ALAUDDIN MOHAMMAD | ATIPA4258M | ME/M. Tech | STR.ENGG | Assistant Professor | 27/05/2017 | | Y | Regular | | |
| 34 | HESHAM UDDIN MOHD | ACDPU3308C | ME/M. Tech | STR.ENGG | Assistant Professor | 31/01/2018 | | N | Regular | | |
| 35 | MD MOHSIN KAMRAN | BODPK2371E | ME/M. Tech | STR.ENGG | Assistant Professor | 07/01/2016 | | N | Regular | | |
| 36 | MOULALI | DDUPM0554B | ME/M. Tech | ENV.ENGG | Assistant Professor | 30/12/2016 | | Y | Regular | | |
| 37 | MOHD BASHARATH ALI KASHIF | BKAPK5736J | ME/M. Tech | STR.ENGG | Assistant Professor | 07/01/2016 | | Y | Regular | | |
| 38 | SHAIK MOHAMMED SIDDIQ | GBKPS8058B | ME/M. Tech | STR.ENGG | Assistant Professor | 15/07/2016 | | Y | Regular | | |
| 39 | MOHAMMED ABDUL MUNAF | CNRPM4483M | ME/M. Tech | STR.ENGG | Assistant Professor | 06/06/2016 | | N | Regular | | |
| 40 | RAMAVATH SHANKAR | BIDPR2159B | ME/M. Tech | STR.ENGG | Assistant Professor | 01/04/2016 | | Y | Regular | | |
| 41 | M MOHAMMEDI | CVCPM8980Q | ME/M. Tech | STR.ENGG | Assistant Professor | 08/10/2018 | | Y | Regular | | |
| 42 | MOHD RIYYAN | BMRPR7799K | ME/M. Tech | STR.ENGG | Assistant Professor | 01/02/2017 | | Y | Regular | | |
| 43 | TOUSIF HUMERA | AVIPT2210J | ME/M. Tech | STR.ENGG | Assistant Professor | 07/11/2017 | | Y | Regular | | |
| 44 | SABA FATHIMA | FWBPS4177J | ME/M. Tech | STR.ENGG | Assistant Professor | 04/12/2017 | | Y | Regular | | |

Total Marks 18.00

Institute Marks : 18.00

**5.1 Student-Faculty Ratio** (20) Total Marks 18.00

Institute Marks : 18.00

## UG

**No. of UG Programs in the Department** 1

| **B.TECH** | | | | | | |
|---|---|---|---|---|---|---|
| **Year of Study** | **CAY (2020-2021)** | | **CAYm1 (2019-20)** | | **CAYm2 (2018-19)** | |
| | **Sanction Intake** | **Actual admitted through lateral entry students** | **Sanction Intake** | **Actual admitted through lateral entry students** | **Sanction Intake** | **Actual admitted through lateral entry students** |
| 2nd Year | 180 | 18 | 180 | 18 | 180 | 18 |
| 3rd Year | 180 | 0 | 180 | 0 | 180 | 0 |
| 4th Year | 180 | 0 | 180 | 0 | 180 | 0 |
| **Sub-Total** | **540** | **18** | **540** | **18** | **540** | **18** |
| **Total** | **558** | | **558** | | **558** | |
| Grand Total | 558 | | Grand Total | 558 | Grand Total | 558 |

**No. of PG Programs in the Department** 1

| **M.TECH** | | | |
|---|---|---|---|
| **Year of Study** | **CAY(2020-2021)** | **CAYm1(2019-20)** | **CAYm2(2018-19)** |
| | **Sanction Intake** | **Sanction Intake** | **Sanction Intake** |
| 1st Year | 18 | 18 | 18 |
| 2nd Year | 18 | 18 | 18 |
| **Total** | **36** | **36** | **36** |

| | | | |
|---|---|---|---|
| Grand Total | 36 | 36 | 36 |

SFR

| | | |
|---|---|---|
| | **No. of UG Programs in the Department** | 1 |
| | **No. of PG Programs in the Department** | 1 |

| **Description** | **CAY (2020-2021)** | **CAYm1(2019-20)** | **CAYm2 (2018-19)** |
|---|---|---|---|
| Total No. of Students in the Department(S) | 594 **Sum total of all (UG+PG) students** | 594 **Sum total of all (UG+PG) students** | 594 **Sum total of all (UG+PG) students** |
| No. of Faculty in the Department(F) | 33 **F1** | 36 **F2** | 44 **F3** |
| Student Faculty Ratio(SFR) | 16.97 **SFR1=S1/F1** | 16.50 **SFR2=S2/F2** | 13.81 **SFR3=S3/F3** |
| Average SFR | 15.71 | | |

**Note:** 75% should be Regular/full time faculty and the remaining shall be Contractual Faculty/Adjust Faculty/Resource persons from industry as per AICTE norms and standards. The contractual faculty will be considered for assessment only if a faculty is drawing a salary as prescribed by the concerened State Government for the contractual faculty in the respective cadre.

5.1.1. Provide the information about the regular and contractual faculty as per the format mentioned below:

| | **Total number of regular faculty in the department** | **Total number of contractual faculty in the department** |
|---|---|---|
| CAY (2020-2021) | 33 | 0 |
| CAY(2019-20) | 36 | 0 |
| CAYm1(2018-19) | 44 | 0 |

Average SFR for three assessment years : 15.71 Assessment SFR : 18

## 5.2 Faculty Cadre Proportion (25) Total Marks 25.00

Institute Marks : 25.00

| Year | Professors | | Associate Professors | | Assistant Professors | |
|---|---|---|---|---|---|---|
| | Required F1 | Available | Required F2 | Available | Required F3 | Available |
| CAY (2020-2021) | 3.00 | 3.00 | 6.00 | 7.00 | 19.00 | 23.00 |
| CAYm1(2019-20) | 3.00 | 4.00 | 6.00 | 7.00 | 19.00 | 26.00 |
| CAYm2(2018-19) | 3.00 | 5.00 | 6.00 | 7.00 | 20.00 | 34.00 |
| CAYm3(2017-18) | 3.00 | 4.00 | 6.00 | 7.00 | 20.00 | 32.00 |
| Average Numbers | 3.00 | 4.33 | 6.00 | 7.00 | 19.67 | 28.57 |

Cadre Ratio Marks [ (AF1 / RF1) + [(AF2 / RF2) * 0.6] + [ (AF3 / RF3) * 0.4] ] * 12.5 : 25.00

## 5.3 Faculty Qualification (25) Total Marks 15.88

Institute Marks : 15.88

| | X | Y | F | FQ = 2.5 x [(10X + 4Y) / F )] |
|---|---|---|---|---|
| 2021-22 (CAY) | **3** | **29** | **23.00** | **15.86** |
| 2020-21(CAY) | 3 | 30 | 27.00 | 13.88 |
| 2019-20(CAYm1) | 4 | 32 | 27.00 | 15.55 |
| 2018-19(CAYm2) | 5 | 39 | 27.00 | 19.07 |

Average Assessment: 16.09

## 5.4 Faculty Retention (25) Total Marks 20.00

Institute Marks : 20.00

| Description | 2018-19 | 2019-20 | 2020-21 | 2021-22 |
|---|---|---|---|---|
| No of Faculty Retained | 35 | 32 | 25 | 32 |
| Total No of Faculty | 44 | 36 | 33 | 32 |
| % of Faculty Retained | 79.54 | 88.88 | 75.75 | 100 |

Average : 86.04 Assessment Marks : 20.00

## 5.5 Innovations by the Faculty in Teaching and Learning (20) Total Marks 20.00

Institute Marks : 20.00

**The Best and Innovative Practices are mentioned below in table**:

| S.No | Innovative Practices | Goals | Context |
|---|---|---|---|
| 1. | Demonstration through working model/field visits (Practical executions) | To fill the gap between theoretical and practical knowledge. | The understudies of second year were taken to Field visits to clarify abo standards of working on the field to fill gap between the theoretical part practical executions. Also, they were demonstrated various kinds of ind visits to gear of present day advanced slipform frameworks. |
| 2. | Sprinkler Irrigation system | To make the students how the irrigation system works on the field. | How the minimal water is required to grow the crops instead of wasting the huge amount of water for crop cultivation, this practice is very much practiced where there is scarcity of water exist. |
| 3. | Hydro-electric power generation | How the hydro- electric power plant works to generate the electricity. | To fill the gap between theoretical and practical knowledge. |

| | | | |
|---|---|---|---|
| 4. | Conduction of online classes through micro soft teams. | The virtual class rooms under pandemic situation, helps the student how acquire the knowledge irrespective of any platform for learning. | Usage of available mode of teaching. |

LINK : https://drive.google.com/file/d/1poVK3MmdEZQn_mc671p5AcY1XULDKJgY/view?usp=sharing

**5.6** **Faculty as participants in Faculty development/training activities/STTPs** (15) Total Marks 12.08 Institute Marks : 12.08

| Name of the faculty | | | Max 5 Per Faculty | | |
|---|---|---|---|---|---|
| | **2020-21 (CAY)** | **2019-20 (CAYm1)** | **2018-19 (CAYm2)** | **2017-18 (CAYm3)** | **2016-17 (CAYm4)** |
| MOHD ZAKER | 5.00 | 5.00 | 3.00 | 5.00 | 3.00 |
| MOHD HASHMATH | 0.00 | 0.00 | 0.00 | 0.00 | 5.00 |
| SHAIK MOHAMMED JAVID | 5.00 | 5.00 | 5.00 | 3.00 | 3.00 |
| ALI FIRASATH MOHAMMED | 0.00 | 3.00 | 0.00 | 0.00 | 5.00 |
| MOHD HUZAIFA YAMAN | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 |
| SALAHUDDIN SHAKEEB SM | 5.00 | 5.00 | 5.00 | 3.00 | 3.00 |
| MOHD MUBASHEER SHAHZEB | 5.00 | 5.00 | 0.00 | 3.00 | 5.00 |
| MOHD YOUSUF AHMED | 5.00 | 5.00 | 5.00 | 3.00 | 0.00 |

| | | | | | |
|---|---|---|---|---|---|
| MD ISMAIL | 5.00 | 5.00 | 3.00 | 0.00 | 0.00 |
| NOOR MOHAMMED | 3.00 | 3.00 | 0.00 | 0.00 | 5.00 |
| MOHD RIYYAN | 5.00 | 5.00 | 0.00 | 5.00 | 0.00 |
| KHAN SHOEB AMER ALI MOHAMMED | 0.00 | 3.00 | 5.00 | 0.00 | 0.00 |
| MOHD TOUFEEQ | 3.00 | 3.00 | 3.00 | 0.00 | 5.00 |
| MD IMTIYAZ QURESHI | 5.00 | 5.00 | 3.00 | 5.00 | 0.00 |
| MOHD ABDUL AQUIL | 5.00 | 5.00 | 5.00 | 0.00 | 3.00 |
| MUJAMIL | 3.00 | 3.00 | 5.00 | 3.00 | 0.00 |
| USAMA BIN ABDUL AZIZ ALAMODI | 3.00 | 3.00 | 0.00 | 3.00 | 0.00 |
| SYED AMJAD PEER QUADRI | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 |
| SYED KHALEELULLAH SHAH QUADRI | 5.00 | 5.00 | 3.00 | 0.00 | 0.00 |
| MOHD AZHERUDDIN | 5.00 | 5.00 | 0.00 | 3.00 | 0.00 |
| MAAZ MUJAHID CHOWDHARY | 0.00 | 3.00 | 0.00 | 5.00 | 0.00 |
| MOHD HASEEB | 3.00 | 3.00 | 3.00 | 5.00 | 0.00 |
| MOHD BASHARATH ALI KASHIF | 3.00 | 3.00 | 0.00 | 0.00 | 3.00 |
| SYED MAZHAR | 0.00 | 0.00 | 0.00 | 5.00 | 0.00 |
| MOHAMMED RAFI | 5.00 | 5.00 | 5.00 | 0.00 | 0.00 |
| KHAJA MOHIUDDIN | 0.00 | 0.00 | 0.00 | 0.00 | 5.00 |
| MOHAMMED SALMAN | 3.00 | 3.00 | 0.00 | 0.00 | 3.00 |
| MOULALI | 3.00 | 3.00 | 0.00 | 3.00 | 0.00 |
| ZAFAR AHMED | 0.00 | 0.00 | 0.00 | 5.00 | 0.00 |

| | | | | | |
|---|---|---|---|---|---|
| RAMAVATH SANKAR | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 |
| SHAIK MOHAMMED SIDDIQ | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 |
| MOHAMMED ABDUL MUNAF | 0.00 | 0.00 | 0.00 | 0.00 | 5.00 |
| SHAMEEM SULTANA | 0.00 | 0.00 | 0.00 | 0.00 | 5.00 |
| MOHAMMED MOHIUDDIN KHAN | 3.00 | 0.00 | 0.00 | 0.00 | 5.00 |
| MOHAMMED ARSALAAN WAJID | 3.00 | 0.00 | 0.00 | 0.00 | 5.00 |
| SHAIK AHMED ZUBEDI | 3.00 | 0.00 | 0.00 | 0.00 | 5.00 |
| SYED AMMAR AHMED MAAZ | 3.00 | 0.00 | 0.00 | 0.00 | 5.00 |
| Sum | 99.00 | 96.00 | 56.00 | 62.00 | 65.00 |
| RF = Number of Faculty required to comply with 20:1 Student Faculty Ratioas per 5.1 | | | 29.70 | 30.60 | 30.55 |
| | | Assessment [3*(Sum / 0.5RF)] | 11.31 | 12.16 | 12.77 |

Average assessment over 3 years: 12.08

**5.7 Research and Development** (30) Total Marks 21.00

**5.7.1 Academic Research** (10) Institute Marks : 10.00

**Number of publications in refereed/SCI journals**

| S.NO | NAME OF THE FACULTY | CONFERENCE | JOURNALS | TOTAL |
|---|---|---|---|---|
| 1 | Dr.S.AMARESH BABU | 10 | 38 | 48 |
| 2 | SYED FARRUKH ANWAR | 5 | 25 | 30 |
| 3 | DR.A.K ASTHANA | 0 | 4 | 4 |

| | | | | |
|---|---|---|---|---|
| 4 | MOHD JAVED | 2 | 5 | 7 |
| 5 | MOHD HASHMATH | 0 | 10 | 10 |
| 6 | MD ZAKER | 0 | 5 | 5 |
| 7 | MOHD ABDUL AQUIL | 0 | 2 | 2 |
| 8 | MOHD FIRASATH | 0 | 2 | 2 |
| 9 | DR.MOHAMMED AHMED HUSSAIN | 0 | 2 | 2 |
| 10 | SALAHUDDIN SHAKEEB SM | 1 | 5 | 6 |
| 11 | MOHD MUBASHEER SHAZEB | 1 | 1 | 2 |
| 12 | MOHD YOUSUF AHMED | 1 | 3 | 4 |
| 13 | MOHD WASEE AHMED | 0 | 1 | 1 |
| 14 | MOHAMMED IMTIYAZ | 0 | 3 | 3 |
| 15 | MOHD RIYAN | 0 | 2 | 2 |
| 16 | MOHD BASHARATH KASHIF ALI | 0 | 2 | 2 |
| 17 | MD MAAZ MUJAHID CHOWDHARY | 0 | 1 | 1 |
| 18 | MOULALI | 0 | 1 | 1 |
| 19 | MOHD AZHARUDDIN | 1 | 2 | 3 |
| 20 | MUJAMIL | 1 | 1 | 2 |
| 21 | MOHD AMEER QHUSRO | 0 | 1 | 1 |
| 22 | KORAPATI MANGA | 0 | 3 | 3 |
| 23 | NOOR MOHAMMED | 0 | 1 | 1 |
| 24 | MD ISMAIL | 1 | 0 | 1 |
| 25 | MOHD AHMED | 0 | 1 | 1 |
| 26 | SHAMEEM SULTANA | 0 | 0 | 0 |
| 27 | MOHAMMED MOHIUDDIN KHAN | 0 | 1 | 1 |
| 28 | MOHAMMED ARSALAAN WAJID | 0 | 1 | 1 |
| 29 | SHAIK AHMED ZUBEDI | 0 | 1 | 1 |
| 30 | SYED AMMAR AHMED MAAZ | 0 | 1 | 1 |
| 31 | MOHAMMED RAFI | 0 | 1 | 1 |

| | | | | |
|---|---|---|---|---|
| 32 | M MOHAMMEDI | 0 | 1 | 1 |
| 33 | ASIYA | 0 | 0 | 0 |
| 34 | MOHAMMED ISHAQ UDDIN | 1 | 10 | 11 |
| 35 | MOHD TOUFEEQ | 0 | 1 | 1 |
| 36 | HUZAIFA YAMAN | 0 | 2 | 2 |
| 37 | USAMA ALAMODI | 0 | 0 | 0 |
| 38 | SYED KHALEEL ULLAH SHAH QUADRI | 0 | 1 | 1 |
| 39 | MOHD HASEEB | 0 | 1 | 1 |
| 40 | DR. GOURI SANKAR PADHI | 0 | 1 | 1 |
| 41 | MOHD SALMAN | 0 | 0 | 0 |

**Faculty pursuing PhD**

| Sl.No | Name of faculty | Date of Joining | Year of registration | Status of work |
|---|---|---|---|---|
| 1 | Md.Ismail | 16/11/2012 | 2012 | Registered |
| 2 | Mohammed shoeb | 2/1/2020 | 2020 | Registered |

**5.7.2 Sponsored Research** (5) Institute Marks : 0.00

**2018-19 (CAYm1)**

| Project Title | Duration | Funding Agency | Amount |
|---|---|---|---|
| 0 | 0 | 0 | 0.00 |
| | | | Total Amount(X): 0.00 |

**2017-18 (CAYm2)**

| Project Title | Duration | Funding Agency | Amount |
|---|---|---|---|
| | | | |
| | | | |

**2016-17 (CAYm3)**

| Project Title | Duration | Funding Agency | Amount |
|---|---|---|---|
| | | | |
| | | | |

Cumulative Amount(X + Y + Z) =

**5.7.3 Development Activities** (10) Institute Marks : 10.00

### 5.7.3.1 PRODUCT DEVELOPMENT IN THE DEPARTMENT:

| S. No | Name of the Faculty | Name of the Students | Name of the Product Developed |
|---|---|---|---|
| 1 | Shaik Mohammed Javid | 1. Zubaid Ullah Khan<br>2. Shaik sarfaraz<br>3. Syed Aslam Asad Ullah 4.Noman khan | Spill way/Hydraulic Dam |
| 2 | Md.Ismail | 1. Habeeb baba<br>2. Mohd.muzafar ali sajjad 3.Mohd zeeshan<br>4.Mohd saif | Rainwater Harvesting pits |

### 5.7.3.2 DETAILS OF FACILITY AVAILABLE FOR DOING RESEARCH IN CIVIL ENGINEERING DEPARTMENT:

| S.NO | Name of the Laboratory | Items | Utilization of facilities |
|---|---|---|---|
| **1** | Concrete Technology Lab | Compression Testing Machine, Flexure testing machine, flow table, concrete air entrainment test, L-box,V-box, rebound hammer | Used for student project work & Faculty research work |
| **2** | Strength Of Material Lab | Universal Testing machine | Used for student project work & Faculty research work |
| **3** | CAD Lab | AutoCAD Software, Staad-Pro Software | Used for student project work & Faculty research work |
| 4 | FMHM Lab | Piezometer , Pitot Tube,Venturimeter | Used for student project work & Faculty research work |
| 5 | Soil mechanics lab | Triaxial testing machine, box shear test, atterbergs limits, proctor compaction test/modified proctor compaction test,permeability test, CBR test | Used for student project work & Faculty research work |

### 5.7.3.3 INSTRUCTIONAL MATERIALS

| S.NO | Instructional Materials | Location /Available at |
|---|---|---|

| | | |
|---|---|---|
| 1 | Guidelines | Notice board |
| 2 | Vision and mission | In different places of department and Laboratories |
| 3 | List of experiments | Laboratory |
| 4 | Lab in charge, Lab instructor | Laboratory |
| 5 | Course handout for theory and Practical subject | Course file |
| 6 | Do's and Dont's | Laboratory |
| 7 | Lab manual | Laboratory |
| 8 | Course File | With Faculty Member |
| 9 | Question bank | Course file |
| 10 | Study materials as PPT, word documents | Course file |
| 11 | Circular | Notice board |
| 12 | Time table | Notice board , Laboratory |

**5.7.3.4 LIST OF WORKING MODELS/ CHARTS**

| S. No. | Name of the Laboratory | Working models/Charts |
|---|---|---|
| 1 | Engineering geology lab | Charts-Rocks and minerals, Indian ocean atlas, unconformities structures, description and classification of Faults, rivers and their geological action, structures features of rock2,continental drift etc. |
| 2 | Auto cad lab | Charts-3-D model of high rise building,2-D building plans, sections of footing etc. |
| 3 | FMHM Lab | Charts of different Turbine(Francis turbine, Keplon turbine, Pelton wheel ),Hydro electric power plant. etc |
| 4 | Survey lab | Charts- Dumpy Level, Theodolite, Compass etc. |
| 5 | Strength of material lab | Charts-UTM parts labelling chart, chart showing stress strain for mild steel etc. |
| 6 | Soil mechanics lab | Charts- Permeability, Tri-axial-shear strength, Atterberg limits, consolidation etc. |

| | | |
|---|---|---|
| 7 | Environmental engineering lab | Charts- Drinking water quality standards of BIS(IS 19500:1991), Different PH values etc. |
| 8 | Concrete technology lab | Charts-compression test on cubes, split tensile test, slump cone test, consistency test etc. |
| 9 | Transportation engineering lab | Charts-Marshal stability test, sieve analysis, Aggregate impact test, Los angeles abrasion test etc. |
| 10 | Engineering graphics and designing lab | Charts-Orthographic Views, Isometric Views, etc. |

**5.7.4 Consultancy(from Industry)** (5) Institute Marks : 1.00 **2018-19 (CAYm1)**

| Project Title | Duration | Funding Agency | Amount |
|---|---|---|---|
| | | | |
| | | | |

**2017-18 (CAYm2)**

| Project Title | Duration | Funding Agency | Amount |
|---|---|---|---|
| G+5 Residential Building (Bandlaguda) | 1 Year | Classic Consulting Associates | 200000.00 |
| | | | Total Amount(Y): 200000.00 |

**2016-17 (CAYm3)**

| Project Title | Duration | Funding Agency | Amount |
|---|---|---|---|
| | | | |
| | | | |

Cumulative Amount(X + Y + Z) =

**5.8 Faculty Performance Appraisal and Development System (FPADS)** (30) Total Marks 30.00 Institute Marks : 30.00

Faculty Award List (2018-2019)

**Table 5.8.5 Faculty Award List (2018-2019)**

| SNO | FACULTY NAME | DATE OF JOINING THE INSTITUTION | DESIGNATION | AWARD | YEAR |
|---|---|---|---|---|---|
| 1 | MOHD HUZAFIA YEMAN | 19/6/2015 | ASST PROF | 2000 CASH PRIZE | 2018-2019 |
| 2 | MOHD RAFI | 2/8/2016 | ASST PROF | 2000 CASH PRIZE | 2018-2019 |
| 3 | AMJAD PEER QUADERI | 6/1/2016 | ASST PROF | 2000 CASH PRIZE | 2018-2019 |

Faculty Award List (2019-2020)

**Table 5.8.6 Faculty Award List (2019-2020)**

| SNO | FACULTY NAME | DATE OF JOINING THE INSTITUTION | DESIGNATION | AWARD | YEAR |
|---|---|---|---|---|---|
| 1 | MD.ISMAIL | 18/7/2018 | ASST PROF | 2000 CASH PRIZE | 2019-2020 |
| 2 | SHAIK MOHD JAVID | 1/8/2016 | ASST PROF | 2000 CASH PRIZE | 2019-2020 |
| 3 | SALAHUDDIN SHAKEEB SM | 7/4/2016 | ASST PROF | 2000 CASH PRIZE | 2019-2020 |

Faculty Award List (2020-2021)

**Table 5.8.6 Faculty Award List (2020-2021)**

| SNO | FACULTY NAME | DATE OF JOINING THE INSTITUTION | DESIGNATION | AWARD | YEAR |
|---|---|---|---|---|---|
| 1 | MS SHAMEEM SULTANA | 1/04/2021 | ASST PROF | 2000 CASH PRIZE | 2020-2021 |
| 2 | MOHD RAFI | 2/8/2016 | ASST PROF | 2000 CASH PRIZE | 2020-2021 |
| 3 | MOHD RIYAN | 1/2/2017 | ASST PROF | 2000 CASH PRIZE | 2020-2021 |

**5.8. Faculty Performance Appraisal and Development System (FPADS) (30)**

Faculty Performance Appraisal System The ultimate aim of appraisal of faculty performance is to ensure that the programme objectives are served best. The following methods are practiced in the college, among other informal ways:

The various assessment processes are designed to achieve the following objectives with respect to faculty:

a. Awareness of the various activities expected to be carried out by them.
b. Awareness of the ideas / parameters involved and methods of assessment
c. To have feedback on their performance in various rolls
d. To become aware of weakness and consciously work on them for improvement
e. To reward faculty who do well and counsel those who fare poorly
f. For teachers to point out improvements required in facilities and other requirements to meet student needs better.
g. Toassessthesuitabilityofateacherforasubjectorothercurricular/cocurricularactivitiesand to take corrective measures in time.

**NAWABSHAH ALAM KHAN COLLEGE OF ENGINEERING & TECHNOLOGY PERFORMANCE APPRAISAL REPORT :**

| S.No | NAME | | PARTICULARS |
|---|---|---|---|
| 1 | Name of the employee | : | SHAIK MOHD JAVID |
| 2 | Designation | : | Asst.Professor |
| 3 | Department | : | Civil Engineering |
| 4 | Date of birth & age | : | 1/10/1991,31 |
| 5 | Highest educational qualification | : | M.tech ( Structures) |
| 6 | Date of joining – i) In the institution | : | 1/8/2016 |
| | ii) In the Present Post | : | 1/8/2016 |

Print

| S.No | Item Name | Maximum Points | Points Obtained |
|---|---|---|---|
| 1 | **Academic Performance:**<br>Course Pass percentage : 100 %30<br>90 to < 100% - 25<br>80 to <90% - 20<br>70 to < 80 % ---15<br>60 to < 70 % ---10<br>50 to < 60 %---5 | 30 | |

| | | | |
|---|---|---|---|
| | %---5 < 50 % -- 0 | | 10 |
| | Example: | | |
| | Subject1 : 30 | | 10 |
| | Subject2 : 20 | | |
| | Average Points : 50/2 : 25 | | |
| | No marks for Lab Courses | | 20/2= 10 |
| 2 | **Research Publications in Journals/Conferences:** | 10 | 5 |
| | 1 SCI Indexed Publication/international conferences : 10/ 5 National | | |
| | 1 Publication having ISSN/ Confernces reputed : 5/3 National | | |
| 3 | **FDPs attended:** | 10 | 5+5 |
| | 6 Days programme : 5 | | |
| | 2 to 5 Days Programme : 3 | | |
| 4 | **Improvement in Teaching Learning Process:** | 20 | 15 |
| | Video lecture, online MOOCs, online notes uploading | | |
| 5 | **Technical Programs organized (FDP/Workshops)** | 10 | 10 |
| 6 | **HOD recommendation (Ex: Dept. responsibilty,NBA,NAAC coordination etc.)** | 20 | 20 |
| | | 100 | 70 |
| | | | |

| | |
|---|---|
| | **HOD Remarks** |
| | He is very hardworking & considered for apprisal<br>**HOD**<br>**Syed Farrukh Anwar** |
| | Principal Remarks |

| | |
|---|---|
| | Principal<br>Syed Abdul Sattar |

**5.9 Visiting/Adjunct/Emeritus Faculty etc.** (10) Total Marks 10.00

Institute Marks : 10.00

5.9**Visiting faculty:**

| SNO | Name of the Resource Person | Subject | Name of the topic | Participants | NO OF HOURS TAKEN | | |
|---|---|---|---|---|---|---|---|
| | | | | | 2020-21 | 2019-20 | 2018-19 |
| 1 | MR.MUNEER UDDIN | STRENGTH OF MATERIAL -1 | Deflection of beams, slope and deflection ,Different moment of inertia | 132 | - | - | 60 |
| | | STRUCTURAL ANALYSIS-1 | Continuous beams, moment distribution method, moving loads | | | | |
| 2 | DR.S.AMRESH BABU | FLUID MECHANICS-1 | Close conduit flow of Reynolds experiments, Unsymmetrical bending | 132 | - | - | 60 |
| | | STRENGTH OF MATERIAL -2 | Unsymmetrical bending, moment of inertia, thin cylinder, thick cylinder | | | | |
| 3 | MR.MUNEER UDDIN | CONCRETE TECHNOLOGY | Mix design ,BIS method, special concrete | 129 | - | 60 | - |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | DESIGN OF STEEL STRUCTURES | Design of plate grider, Design of roof truss, Design of joints | | | | |
| 4 | MR.MUNEER UDDIN | GEOTECNICAL ENGINEERING | Consolidation, shear strength of soil, shear strength of sand | 131 | 60 | - | - |
| | | **PRESTRESS CONCRETE** | Composite beams, short term deflection, long term deflection | | | | |

## 6 FACILITIES AND TECHNICAL SUPPORT (80) Total Marks 80.0

**6.1 Adequate and well equipped laboratories, and technical manpower** (30) Total Marks 30.00 Institute Marks : 30.00

| Sr. No | Name of the Laboratory | Number of students per set up(Batch Size) | Name of the Important Equipment | Weekly utilization status(all the courses for which the lab is utilized) | Technical Manpower Support | | |
|---|---|---|---|---|---|---|---|
| | | | | | Name of the Technical staff | Designation | Qualification |
| 1 | CAD LAB | 30 | PC5 with 4gb ram with internet facility | 24 | MOHD. FARHAN | TECH. STAFF | BTECH |
| 2 | TRANSPORTATION ENGG LAB | 30 | Camera for Recording, speed Gun | 12 | MOHD. FARHAN | TECH. STAFF | BTECH |
| 3 | STRENGTH OF MATERIALS LAB | 30 | Universal Testing Machine | 12 | MIRZA SALIM ALI BAIG | TECH. STAFF | BTECH |
| 4 | SURVEYING LAB | 30 | Total Station | 12 | M.A. KHALEEL | TECH. STAFF | DCE |
| 5 | CONCRETE TECH. LAB | 30 | Rebar locator, Rebound hammer | 12 | MOHD.AHMED | TECH. STAFF | BTECH |
| 6 | ENVIRONMENTALENGG. LAB | 30 | Incubder | 12 | SEHRISH FATIMA | TECH. STAFF | BTECH |
| 7 | GEO TECHNICAL LAB | 30 | CBR, Consolidation test | 12 | MOHD.AHMED | TECH. STAFF | BTECH |
| 8 | FM&HHM LAB | 30 | TURBINES | 12 | MD.MASOOD AHMED | TECH. STAFF | ITI |
| 9 | ENGG GRAPHICS &DESIGN LAB | 30 | Projector,PC'S | 18 | MIRZA SALIM ALI BAIG | TECH. STAFF | BTECH |
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 10 | ENGINEERING GEOLOGY | 30 | ELECTRICAL RESISTIVITY METER | 12 | SEHRISH FATIMA | TECH. STAFF | BTECH |
| 11 | Project Lab | 30 | PCs | 24 | MOHD.AHMED | TECH. STAFF | BTECH |



**6.2 Additional facilities created for improving the quality of learning experience in laboratories** (25) Total Marks 25.00 Institute Marks : 25.00

| Sr. No | Facility Name | Details | Reason(s) for creating facility | Utilization | Areas in which students are expected to have enhanced learning | Relevance to POs/PSOs |
|---|---|---|---|---|---|---|
| 1 | Seminar hall | fully equipped seminar hall with screen and projector with sitting chair | for better understanding of sudents | weekly twice | understanding better concept of Engineering | PO1,PO2,PSO1 |
| 2 | manual facilities | provided manual facilities like Ramp, wheel chair etc | students will able to transfer easily from one room to other | complete semester | complete semester | PO3,PO5,PSO2 |
| 3 | Smart class rooms | For better understanding of students provided individual class rooms | for better understanding of sudents | weekly twice | Engineering Graphics | PO7,PO12,PSO1 |
| 4 | English learning | Separate English faculty assigned for students | for better communicatio n | per semester 30 classes | understanding better concept of communication skills | PO1,PO2,PO3,PO4,PO5,PO6,PO9,PO10,PO11,PSO1,PSO2 |
| 5 | Department library | having full collection of departmental books of various publishers | complete semester books availability | complete semester | understanding better concept of communication skills | PO1,PO2,PO3,PO4,PO5,PO6,PO9,PO10,PO11,PSO1,PSO2 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 6 | CAD Lab | Fully equipped lab With high configuratuion systems | To Fill the Gap between Academic Curriculum and Industry | Once a week | Design Of Structural Elements | PO1,PO2,PO3,PO4,PO5,PO6,PO9,PO10,PO11,PSO1,PSO2 |
| 7 | Advance Concrete lab | Laboratory equipped with industry oriented equipments | to test the latest construction materials | once a week | Concrete Technology | PO1,PO2,PO3,PO,PO5,PO,PO110,PO11,PSO1,PSO2 |
| 8 | Advance surveying Lab | Equipped with latest instrument which are not in curriculum | to make students industry ready | once a week | surveying and levelling | PO1,PO2,PO3,PO,PO5,PO,PO110,PO11,PSO1,PSO3 |
| 9 | Engg Graphics lab | fully equipped drawing hall with screen and projector with systems | for better understanding of sudents | weekly twice/thrice | Engineering Graphics | PO1,PO2,PO3,PO4,PO5,PO6,PO10,PO11,PSO1,PSO3 |

**6.3 Laboratories: Maintenance and overall ambiance** (10) Total Marks 10.00

Institute Marks : 10.00To maintain the laboratories a departmental committee is constituted headed by head of the department. This committee is responsible for maintenance. All the laboratories are maintained periodically. Annual maintenance contract is given to the vendor for smooth maintenance of the laboratory.

Policy: Equipment is operated in accordance with manufacturer’s instructions and in a way which minimizes the cost of repairs and maintenance.

1. MAINTENANCE OF LABORATORY EQUIPMENTS

1. Regular Checkup Of equipment is carried out at the end of every semester.
2. Breakdown register is maintained in the Laboratories.
3. As per the requirement minor repairs are carried out by the lab technical staff.
4. Major repairs are outsourced by following the procedure of the institute.
5. Log register is maintained in every lab to monitor the lab usage by students
6. Well trained hardware technical staff available for all computer labs Procedure:

1. Do’s and Don’ts and Safety measures rules are displayed in each laboratory.
2. Regular checkup of equipment is carried out before the commencement of the semester
3. Breakdown Maintenance register is kept in the laboratories
4. Well Technical Staff are available for maintenance of Computer and Electronic equipments and software.
5. Servicing of each laboratory is doing frequently.
6. Calibration of the each laboratory is done frequently.
7. Department having internet of 200 Mbps and Wi-Fi of 200 Mbps is maintained for students and Faculty usage.
8. All necessary PC system regular software like Microsoft office, browser, lab software; antivirus software etc, is installed and maintained.

2. Overall Ambience

1. General instructions (Do’s and DON’TS) are displayed in every lab.
2. List of experiments of each course is displayed in every lab
3. Department has enough labs which are used for all the years on timetable basis to meet the curriculum requirements
4. Chairs and Table are in good Condition. Systems are provided in labs for students in 1:1 ratio.
5. Labs are equipped with sufficient hardware and software to run program specific curriculum and off program curriculum. 6. Sufficient number of windows is available for ventilation and natural light and every lab has one exit
7. Each Lab is equipped with white board, computer, Internet, and such other amenities.
8. Equipment details of concerned lab are displayed in every lab.

9. Each lab is equipped with white/green board, internet and such other amenities.
10. System are cleaned once in a week that will give a good ambience.
11. Exclusively , a project lab has been provided for the students to carry out their mini and major project

**6.4 Project Facilities and utilization**

Total Marks 5.00
Institute Marks : 5.00

Various equipment and laboratories are used by students of the departments for completion of their projects.

| Sr. No. | Name of the Facilities | Utilization |
|---|---|---|
| 1 | AUTOCAD | 5th, 6th semester students, PG students and Faculty members |
| 2 | STAAD PRO | 7th, 8th semester students, PG students and Faculty members. |
| 3 | Soil Mechanics Laboratory | 6th, 8th semester students, PG students and Faculty members, |
| 4 | Concrete Laboratory | 7th, 8th semester students, PG students and Faculty members |
| 5 | Material Testing Laboratory | 3rd , 8th semester students semester, PG students, Faculty members |
| 6 | Environmental Engineering Laboratory | 5th, 8th semester students, PG students, Faculty members. |

# List of Projects:

**Academic year: 2020-21**

| SL NO | H.T.NO. OF THE STUDENTS | NAME OF THE STUDENTS | BATCH NO | TITLE OF THE PROJECT | GUIDE NAME |
|---|---|---|---|---|---|
| 1 | 17RT1A0116 | HABEEB BABA | 1 | ANALYSIS AND DESIGN ON COMMERCIAL | SYED FARRUKH ANWAR |
| | 17RT1A0103 | ABDULLAH SHAFIUDDIN | | | |

| | | | | | |
|---|---|---|---|---|---|
| | 17RT1A0125 | KHATEEB MOHAMMED YASERRAZA | | BUILDING(G+5) USING ETABS | |
| | 17RT1A0122 | KHAJAMUDASSIRHUSSAIN | | | |
| | 13RT1A0132 | MOHAMMED ZAIDUDDIN | | | |
| 2 | 16RT1A01G2 | SYED SHUJAUDDIN AAFAQ | 2 | ANALYSIS AND DESIGN OF MULTI STOREY COMMERCIAL BUILDING (G+4) USING STAAD PRO | MOHD YOUSUF AHMED |
| | 16RT1A01C7 | OMAR MOHAMMED FAIYAZ | | | |
| | 16RT1A01F8 | SYED SADATH ALI SHAH HUSSAINI | | | |
| | 16RT1A0167 | MOHAMMED MAZHAR UDDIN | | | |
| 3 | 17RT1A0183 | MOHAMMED ZESHAN | 3 | A PROJECT REPORT ON ESTIMATION AND COSTING IN G+2 RESIDENTIAL BULDING | MOHD ABDUL AQUIL |
| | 17RT1A0151 | MOHAMMED ALI | | | |
| | 17RT1A0172 | MOHAMMED OMER | | | |
| | 17RT1A0182 | MOHAMMED ZAKI ALI | | | |
| 4 | 17RT1A0143 | MOHAMMED ABDUL BILLAL SIDDIQUI | 4 | ANALYSIS AND DESIGN OF MULTISTORIED BUILDIN+7 WIND LOAD | MOHD MUBASHEER SHAZEB |
| | 17RT1A0150 | MOHAMMED AHMED HUSSAIN | | | |
| | 17RT1A0110 | BADAR UBAID UR QURESHI | | | |
| | 16RT1A01A1 | MOHD MINHAJ UDDIN | | | |
| 5 | 17RT1A0181 | MOHAMMEDZAINUL ABADEEN | 5 | ANALYSIS AND DESIGN OF MULTISTORIED RESIDENTIAL BUILDING (G+5) USING ETABS | MOHAMMED IMTIYAZ QURESHI |
| | 17RT1A0174 | MOHAMMED QUTUBUDDIN | | | |
| | 17RT1A0184 | MOHAMMED ABDUL AZEEN | | | |
| | 17RT1A0187 | MOHAMMED ABDUL WASEY | | | |
| 6 | 16E01A0141 | ARBAAZ KHAN | 6 | ANALYSIS AND DESIGN OF MULTI-STOREYED RESIDENTIAL BUILDING (G+7) | MOHD RIYAN |
| | 15E01A0133 | MUZAMMIL HUSSAIN | | | |
| | 15E01A0150 | MOHD NADEEM | | | |
| | 16E01A0121 | KASIM MOHAMMED ZAID KAMRAN | | | |

| | | | | | |
|---|---|---|---|---|---|
| | 17RT1A0133 | MD SAIF AMEEN FAROOQI | | | |
| 7 | 17RT1A0141 | MOHAMMED ABDUL AQEEB AHMED | 7 | ANALYSIS AND DESIGN OF MULTI-STOREYED(G+5) RESIDENTAL BUILDING USING STAAD PRO | SALAHUDDIN SHAKEEB SM |
| | 17RT1A0144 | MOHAMMED ABDUL MAAZ | | | |
| | 17RT1A0140 | MOHAMMAD MASTANJAVED | | | |
| | 17RT1A0190 | MOHDAZAM KHAN | | | |
| 8 | 17RT1A0189 | MOHD ATIF ALI | 8 | ESTIMATION AND COSTING OF RESIDENTIAL BUILDING G+5 | MOHD AZHARUDDIN |
| | 17RT1A0177 | MOHAMMED SALMAN | | | |
| | 17RT1A0168 | MOHAMMED MUQEEDAHMED | | | |
| | 17RT1A0199 | MOHD MURTUZA ALI | | | |
| 9 | 17E01A0113 | MOHAMMED ASAD UDDIN | 9 | PROJECT PLANNING OF RESIDENTIAL MANSION USING PRIMAVERA P6 | USAMA ALAMODI |
| | 17E01A0101 | SYED NAWAZ | | | |
| | 17E01A0104 | SYED VASIM | | | |
| 10 | 16RT1A0114 | HUZAIFA SYED ASIF | 10 | PROJECT MANAGEMENT OF RESIDENTIAL APARTMENT USING PRIMAVERA P6 | MOHD JAVED |
| | 16RT1A01D6 | SHEHZAN KHAN | | | |
| | 16RT1A01H1 | MOHD KASHIF QURESHI | | | |
| | 15RT1A0137 | MOHAMMED TOUFEEQ | | | |
| | 16RT1A0119 | KHAJA MOHSIN UDDIN | | | |
| 11 | 16RT1A01B2 | MOHD SUBOOR AHMED KHAN SABIR | 11 | COMMERCIAL BUILDING SEISMIC ANALYSIS BY ETABS | MOHD HASEEB |
| | 16RT1A01C6 | NUMAN MOHD AFZAL | | | |
| | 16K31A0129 | MOHD ABRAR | | | |
| | 17RT1A0197 | MOHD IMAAD | | | |
| 12 | 16RT1A01G1 | SYED SHOEB MOHIUDDIN | 12 | ANALYSIS AND DESIGN OF G+20 RESIDENTIAL BUILDING USING ETABS | MD ISMAIL |
| | 16RT1A01G8 | ZUBAID ULLAH KHAN | | | |
| | 16RT1A01F9 | SYED SANA ULLAH HUSSAINI | | | |
| 13 | 15RT1A0191 | MOHD AYAZ | 13 | | HUZAIFA YAMAN |
| | 15RT1A0192 | MOHD FAHAD | | | |

| | | | | | |
|---|---|---|---|---|---|
| | 15RT1A01B5 | MOHAMMED WASI | | DESIGN OF STEEL STRUCTURE (FUNCTION HALL) USING STAAD PRO | |
| 14 | 17RT1A0138 | MIRZA RASHEED ALI BAIG | 14 | ANALYSIS AND DESIGN ON RESIDENTIAL BUILDING USING ETABS | MOHAMMED RAFI |
| | 17RT1A0153 | MOHAMMED ASIF | | | |
| | 17RT1A0154 | MOHAMMED ASIF UDDIN JUNAID | | | |
| | 17RT1A0157 | MOHAMMED BIN HAMED AL RUBAKI | | | |
| 15 | 17E01A0127 | MOHAMMED ARSHAD | 15 | ANALYSIS AND DESIGN ON RESIDENTIAL BUILDING(G+10) USING ETABS | SYED KHALEEL ULLAH SHAH QUADRI |
| | 17E01A0110 | SYED AHMED | | | |
| | 17E01A0102 | SYED SHAH VISAM HUSSAINI | | | |
| | 17E01A0116 | AMIR SOHAIL | | | |
| 16 | 17E01A0118 | SYED FAZEEL AHMED | 16 | ANALYSIS AND DESIGN OF G+5 HOSPITAL USING STAAD PRO | MD ZAKER |
| | 17E01A0120 | MOHAMMED ABDUL RASHEED | | | |
| | 17E01A0112 | MOHAMMED SAYEED | | | |
| 17 | 16RT1A0185 | MOHAMMED TAHA MOHIUDDIN | 17 | ANALYSIS & DESIGN OF COMMERCIAL BUILDING (C+G+5) UNDER WIND LOAD ANALYSIS USING E-TABS | MOHD TOUFEEQ |
| | 16RT1A01E9 | SYED ASLAM ASADULLAH | | | |
| | 16RT1A0180 | MD SAQAWATH ULLAH SIDDIQUI | | | |
| | 16RT1A0182 | MOHD SHAHID ARBAZ | | | |
| 18 | 15RT1A0130 | MD MISBHA UDDIN | 18 | A PROJECT REPORT ON ANALYSIS AND DESIGN OF RESEDENTIAL BUILDING | MOHD AHMED |
| | 15RT1A0140 | MIR ZAHEER UDDIN ALI | | | |
| | 13RT1A0129 | MD SHERAZ AHMED | | | |
| | 16RT1A0121 | KHAJA WAHEEDUDDIN | | | |

**6.5Safety measures in laboratories** (10) Total Marks 10.00

Institute Marks : 10.00

| Sr. No | Laboratory Name | Safety Measures |
|---|---|---|
| 1 | Hydraulics & Hydraulic Machinery Lab | • General Rules of Conduct in Laboratories are displayed • Specific Safety Rules for students displayed • First aid box, Fire extinguisher & Hand gloves are kept in each laboratory. • Well trained technical supporting staff. • Periodical servicing of the lab equipment. • Appropriate storage areas. • The students are advised to Always enter the lab with safety shoes, hand gloves and safety glasses. • Disabling or removing safety devices is dangerous and should be avoided. • Any sharp tool or machine should be used carefully in supervision of Lab attendant or faculty. • Carefully inspect all protective equipment prior to use. Do not use defective equipment. • Do not tamper with safety devices. |
| 2 | Geology Lab | • General Rules of Conduct in Laboratories are displayed. • Specific Safety Rules for students displayed. • First aid box, Fire extinguisher & Hand gloves are kept in each laboratory. • Well trained technical supporting staff. • Do not touch stones and minerals without permission. • Count all stones before leaving lab. • Don't use mobile phones during lab hours. • Any sharp tool or machine should be used carefully in supervision of Lab attendant or faculty. • Do not use acids like HCL to identify the minerals. • Handle the rock and minerals carefully. • Do not split and powder the minerals. |
| 3 | Survey Lab | • General Rules of Conduct in Laboratories are displayed. • Specific Safety Rules for students displayed. • First aid box, Fire extinguisher & Hand gloves are kept in each laboratory. • Well trained technical supporting staff. • Periodical servicing of the lab equipment. • Appropriate storage areas. • Sharp tools should be used carefully in supervision of Lab attendant or faculty. • Do not play with instruments or chain. • Wear proper safety shoes. • Wear face mask. |
| 4 | Material Testing Lab | • General Rules of Conduct in Laboratories are displayed. • Specific Safety Rules for students displayed. • First aid box, Fire extinguisher & Hand gloves are kept in each laboratory. • Well trained technical supporting staff. • Periodical servicing of the lab equipment. • Appropriate storage areas. • Always enter the lab with safety shoes, hand gloves and safety glasses. • Wet cement is caustic, and can cause severe chemical burns to exposed skin and eyes. Hence it should be dealt with care. • Cement comprises of particles lesser than 45 microns. Always wear mask while working with cement. • Disabling or removing safety devices is dangerous and should be avoided. |

| | | |
|---|---|---|
| 5 | Soil Mechanics Lab | • General Rules of Conduct in Laboratories are displayed. • Specific Safety Rules for students displayed. • First aid box, Fire extinguisher & Hand gloves are kept in each laboratory. • Well trained technical supporting staff. • Periodical servicing of the lab equipment. • Appropriate storage areas. • Always enter the lab with safety shoes, hand gloves and safety glasses. • Wear proper safety shoes in concrete/materials labs. • Do not tamper with safety devices. • Do not attempt to repair/operate anything that you are not qualified to repair/operate. • Any sharp tool or machine should be used carefully in supervision of Lab attendant or faculty. • Carefully inspect all protective equipment prior to use. Do not use defective equipment. |
| 6 | Environmental Engineering Lab | • General Rules of Conduct in Laboratories are displayed. • Specific Safety Rules for students displayed. • First aid box, Fire extinguisher & Hand gloves are kept in each laboratory. • Well trained technical supporting staff. • Periodical servicing of the lab equipment. • Appropriate storage areas. • Always enter the lab with aprons, safety shoes, hand gloves and safety glasses. • Chemicals has to be handled very carefully and not to be touched with bare hands. • Concentrated acids such as $H_2SO_4$, HCL are highly toxic and dangerous and inhaling of the same is to be avoided. • The user's manual should be read and safety precautions to be understood before using the instruments such as spectrophotometer, turbidity meter etc. |
| 7 | Concrete and Highway Lab | • General Rules of Conduct in Laboratories are displayed. • Specific Safety Rules for students displayed. • First aid box, Fire extinguisher & Hand gloves are kept in each laboratory. ∑ Well trained technical supporting staff. • Periodical servicing of the lab equipment. • Appropriate storage areas. • Always enter the lab with aprons, safety shoes, hand gloves . • Place all the belongings out of the work area. • Do not obstruct doorways. • Report faulty equipment to the teaching assistant immediately. • Do not operate electrical equipment that has frayed or damaged power cords or connector |
| 8 | Auto-Cad Lab | General Rules of Conduct in Laboratories are displayed. • Specific Safety Rules for students displayed. • First aid box, Fire extinguisher & Hand gloves are kept in each laboratory. • Well trained technical supporting staff. • Do not bring any food or drinks near the machine • Do not plug in external devices without scanning them for computer viruses. • Try not to touch any of the circuit boards and power sockets when a device is connected to them and switched on. • Students should not attempt to repair, open, tamper or interfere with any of the computer, printing, cabling, air conditioning or other equipment in the laboratory. • The workspace should be situated away from carpeted areas since carpets build up electrostatic charges. |
| 9 | Transportation Lab |  General Rules of Conduct in Laboratories are displayed.<br> Specific Safety Rules for students displayed.<br> First aid box, Fire extinguisher & Hand gloves are kept in each laboratory. Well trained technical supporting staff.<br> Periodical servicing of the lab equipment.<br> Appropriate storage areas.<br> Always enter the lab with aprons, safety shoes, hand gloves . |

| | | |
|---|---|---|
| | | Place all the belongings out of the work area.<br>Do not obstruct doorways.<br>Report faulty equipment to the teaching assistant immediately.<br>Do not operate electrical equipment that has frayed or damaged power cords or connector |
| 10 | Engineering Graphics and Drawing Lab | General Rules of Conduct in Laboratories are displayed.<br>Specific Safety Rules for students displayed.<br>First aid box, Fire extinguisher & Hand gloves are kept in each laboratory.<br>Well trained technical supporting staff.<br>Do not bring any food or drinks near the machine<br>Do not plug in external devices without scanning them for computer viruses.<br>Try not to touch any of the circuit boards and power sockets when a device is connected to them and switched on.<br>Students should not attempt to repair, open, tamper or interfere with any of the computer, printing, cabling, air conditioning or other equipment in the laboratory. |
| 11 | Project Lab | General Rules of Conduct in Laboratories are displayed.<br>Specific Safety Rules for students displayed.<br>First aid box, Fire extinguisher & Hand gloves are kept in each laboratory.<br>Well trained technical supporting staff.<br>Do not bring any food or drinks near the machine<br>Do not plug in external devices without scanning them for computer viruses.<br>Try not to touch any of the circuit boards and power sockets when a device is connected to them and switched on.<br>Students should not attempt to repair, open, tamper or interfere with any of the computer, printing, cabling, air conditioning or other equipment in the laboratory. |

**7** CONTINUOUS IMPROVEMENT (50) Total Marks 50.00

**7.1 Actions taken based on the results of evaluation of each of the POs & PSOs** (20) Total Marks 20.00 Institute Marks : 20.0

CONTINUOUS IMPROVEMENT (50) Total Marks 50.00

**7.2 Actions taken based on the results of evaluation of each of the POs & PSOs** (20) Total Marks 20.00 Institute Marks : 20.0

**POs Attainment Levels and Actions for Improvement- (2020-21)**

| POs | Target Level | Attainment Level | Observations |
|---|---|---|---|
| **PO 1 : Engineering Knowledge** | | | |
| PO 1 | 1.87 | 1.89 | Target Level Attained |
| Actions – NIL. Additional classes were conducted to introduce civil engineering fundamental basics | | | |
| **PO 2 : Problem Analysis** | | | |
| PO 2 | 1.75 | 1.75 | Target Level Attained |
| Actions – NIL | | | |
| **PO 3 : Design/development of Solutions** | | | |
| PO 3 | 1.77 | 1.73 | Target Level Attained |
| Actions – NIL | | | |
| **PO 4 : Conduct Investigations of Complex Problems** | | | |
| PO 4 | 1.76 | 1.50 | Target Level Not Attained |
| Action 1 – students are encouraged to go through journals/ conference / seminar papers in this regard. Action 2 – The students are made to participate in various symposiums, training programs, workshops, technical competitions, etc Action 3-Practical approach of teaching were adapted. | | | |
| **PO 5 : Modern Tool Usage** | | | |
| PO 5 | 1.80 | 1.55 | Target Level Not Attained |
| Action 1: Students are taken to the industrial visits like RMC Plant, sewage treatment plant etc., to understand the modern equipment usage in the laboratory Action 2: Facultystudent interactive sessions are conducted regularly in the mentoring and association hours. Action 3- workshops are conducted to give the hands on experience to students and faculty. | | | |
| **PO 6 : The Engineer and Society** | | | |
| PO 6 | 1.43 | 1.44 | Target Level Attained |
| Actions – NIL | | | |
| **PO 7 : Environment and Sustainability** | | | |
| PO 7 | 1.53 | 1.54 | Target Level Attained |
| Actions – NIL. | | | |

| | | | |
|---|---|---|---|
| **PO 8 : Ethics** | | | |
| PO 8 | 1.55 | 1.24 | Target Level not Attained |
| Action 1 – Apart from the subject, students are taught ethics, behavior. Action 2 – Technical talk on cement and its applications for economical usage of materials. Action 3 – students are to be enlightened on the importance of the attitude and personality. | | | |
| **PO 9 : Individual and Team Work** | | | |
| PO 9 | 1.83 | 1.66 | Target Level Not Attained |
| Action 1- the Institute has provided the seminar hour in the time table per week to improve their Individual skills. Action 2 – Institute has initiated Program which provides a platform to work in individual as well as a group in the fields of Engineering helps the students to groom the skills like Leadership, effective team member. Action 3 – Team work is promoted for complicated assignments/tutorials | | | |
| **PO 10 : Communication** | | | |
| PO 10 | 1.70 | 1.66 | Target Level Not Attained |
| Action 1 – students are to be encouraged to talk and converse comfortably and fearlessly during interactions, either in classrooms or staffroom, wherever they move in the campus. Action 2- motivated students to be improve oral and listening skills on certain topics in association hours. Action 3 – Each student in the project is to be obligated to present the work carried out by them before the project evaluation committee and involve in technical interaction. Action 4 – the importance of the life skills is to be informed tothe first year students and their Parents during the orientation program conducted by the institute every year. | | | |
| **PO 11 : Project Management and Finance** | | | |
| PO 11 | 1.46 | 1.57 | Target Level Attained |
| Actions – NIL | | | |
| **PO 12 : Life-long Learning** | | | |
| PO 12 | 1.54 | 1.66 | Target Level Attained |
| Actions – NIL | | | |

**PSOs Attainment Levels and Actions for Improvement- (2020-2021)**

**PSO 1: To plan the building and perform analysis, design, estimation and execute all kind of civil engineering project.**

| | | | |
|---|---|---|---|
| PSO 1 | 1.47 | | Target Level Attained |
| Actions – NIL | | | |

**PSO 2 : To adopt new innovative technology and use modern techniques, so as to execute the project within the stipulated time..**

| | | | |
|---|---|---|---|
| PSO 2 | 1.36 | 1.47 | Target Level Attained |
| Action 1 – Actions – NIL | | | |

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# TIME TABLE FOR REMEDIAL CLASSES

**NAWAB SHAH ALAM KHAN COLLEGE OF ENGINEERING & TECHNOLOGY**
**NEW MALAKPET, HYDERABAD - 500024.**
**REMEDIAL CLASSES TIME TABLE FOR B.E III YEAR II SEMESTER 2020 - 2021**
**Branch Civil III DEPARTMENT OF CIVIL ENGINEERING**

| Days | 4:00 TO 4:40 | 4:40 TO 5:20 | 5:20 TO 6:00 |
|---|---|---|---|
| MON | SE II | | FOME |
| TUE | SE II | | H&WRE |
| WED | PSC | | FOME |

**SEII: MR SHAKEEB**
**FOME: MR SAMEER**
**PSC: MR TOUFEEQ**
H&WRE MR AQUIL

**HOD** **PRINCIPAL**

**7.3 Academic Audit and actions taken thereof during the period of Assessment** (10) Total Marks 10.00 Institute Marks : 10.00

## Assessment Criteria and frequency

- All the faculty are evaluated in all the aspects of academics. Each faculty is individually evaluated for various duties that has to be performed. Course file evaluation is done every year by the head of the department.
  Any disproportions found in the course files is immediately brought in to the notice of the respective staff and proper management is done.
  All lab files including manuals, student records, stock register are evaluated by the head of the department. Any discrepancy found is rectified and corrected for the restof the course.Every year faculty are accessed for their performance by student feedback forms. Identity of all the students is strictly kept confidential and the data is evaluated underunbiased conditions.

  If the feedback for a particular faculty is found to be inappropriate then necessary action is taken against the faculty.
  Attendance and internally marks of the students is accessed on a regular basis and if any disproportions are found then that particular students is brought

to the notice of the mentor thento the head of the department. Necessary action is taken against the students with intimidation to their parents during monthly parent-teachers meeting.

All the facilities in the college is checked annually or on regular basis by various external bodies for smooth and proper running of the college so that the students are fully benefited from the college facilities.

Various external bodies such as JNTUH, AICTE, OUCTE and NAAC visit the college and investigate all the available resources for the students are accessed in eachand every possible way such that the students is fully nourished to be a great engineer.

The purpose of an academic audit is to encourage departments or programs to evaluate their "education quality processes" - the key faculty activities required to produce, assure, and regularly improve the quality of teaching and learning.

**GUIDELINES**

1. One subject expert (ACADEMIC) nominated by the Head of concerned Department.

a. Experts should be from Affiliated university and other reputed academic Institutions.

2. Internal test and end semester question papers, and Internal test answer scripts will be audited. Two copies of the academic audit report (in the format provided) have to be submitted to Associate Director's office by HoDs.

3. Twelve courses (both question paper and answer scripts) for B.Tech/BE programme will be audited on random basis for each programme.

4. Each expert will audit ten / twelve subjects; five / six in the morning and five / six in the afternoon. Minimum of three answer scripts (one high score, one average score and one low score) will be audited for each subject.

5. Each expert will be paid Rs 4,000/- (2 × Rs 2,000/-) as sitting fee for two sittings (morning and evening).

6. HoDs will be requested to take care of hospitality (guest room, pick up and drop, food, etc.).

7. TA/DA and remuneration will be paid as per the norms.

Academic Audit has been done inviting from KVQA Certification Services Pvt. Ltd which has certified that the Quality Management system of NSAKCET is found in accordance with the Quality Management System standard ISO 9001:2015 on 9$^{th}$ June 2021.

KVQA

# Certificate of Registration

(Quality Management System)

**KVQA CERTIFICATION SERVICES PVT. LTD.**

This is to certify that the Quality Management System of

## NAWAB SHAH ALAM KHAN COLLEGE OF ENGINEERING AND TECHNOLOGY

**#16-4-1, NEW MALAKPET, NEAR RAILWAY STATION, HYDERABAD, PIN - 500 024, TELANGANA, INDIA.**

Has been found in accordance with Quality Management System standard

## ISO 9001:2015

**This certificate is valid for the following product or service range**

**Providing Educational Services Leading to award of Under Graduate Programs in Engineering (B.E.), Post Graduate Programs in Engineering (M.E.) and Diploma Programs in Engineering.**

**Certificate No: KDACQ202106055**

1st Surveillance Due On: 09/05/2022: Done On:
2nd Surveillance Due On: 09/05/2023: Done On:

Date Of Issue: 09, June, 2021
Valid Until: 08, June, 2024*

Issued by ----

Authorised signatory KVQA

MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT IAF

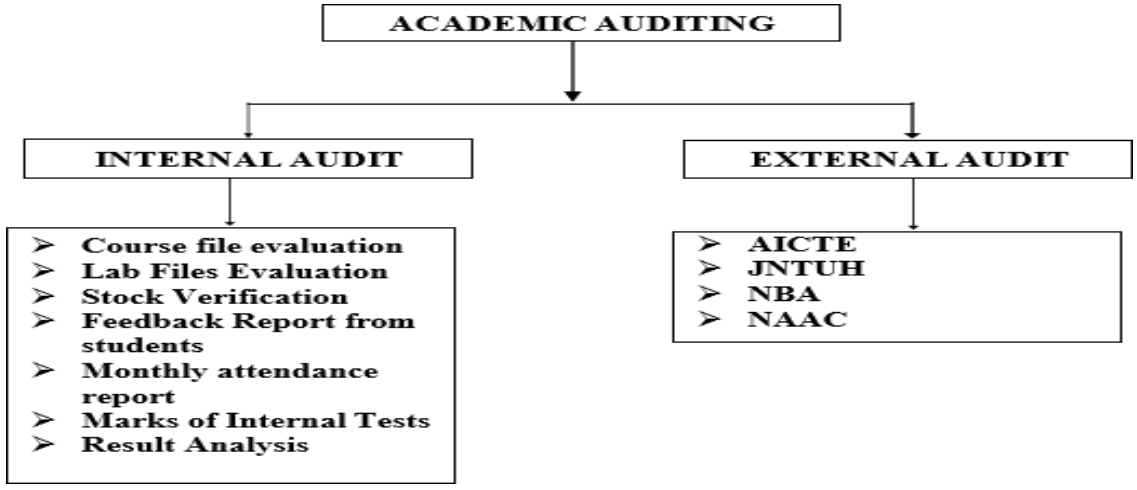
eiaci Emirates International Accreditation Centre

CB-045-QMS

To Check the Status of the Certification kindly log on to www.kvqa.in
F-300, Sector - 63, Noida U.P. India. Ph- 011 -22711940, 22711941
Email : delhi@kvqaindia.com
*Subject to successful completion of surveillance audits

# CONDUCT MECHANISM (CRITERIA FOR ELIGIBILITY FORAPPEARING IN EXAMS)

- A student shall be eligible to appear for the semester end examinations, if student acquires a minimum of 75% of attendance in aggregate of all the subjects/ courses.
- Shortage of attendance in aggregate up to 10% (65% and above, and below 75%) in each semester may be condoned by the college academic committee on genuine and valid grounds,based on the student's representation with supporting evidence.
- A stipulated fee shall be payable towards condoning of shortage of attendance as per the guidelines of affiliated University.
- Shortage of attendance below 65% in aggregate shall in **no** case be condoned. Students whose shortage of attendance is not condoned in any semester are not eligible to take their endexaminations of that semester. They get detained and their registration for that semester shall stand cancelled. They will not be promoted to the next semester.
- They may seek re-registration for all those subjects registered in that semester in which student was detained, by seeking re-admission into that semester as and when offered; in case ifthere are any professional electives and/ or open electives, the same may also be re-registered if offered. However, if those electives are not offered in later semesters, then alternate electives may be chosen from the **same** set of elective subjects offered under that category




## Implementation and Effectiveness

- An Audit takes into account the following.

- Whether the activities and programmers are efficiently and effectively serving the purpose indented by the institute.Whether the activities and programmers being conducted in compliance with the objectives of the institute.
- Are adequate operating, administrative procedures and practices, systems etc., effectively working. Are the needs of the variousstakeholders such as parents, students, employers etc.

# Nawab Shah Alam Khan
## COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE | Permitted by Govt. of Telangana | Affiliated to JNTUH
EAMCET Code: NAWB | PGECET Code : NAWB1 | POLYCET Code : NAWB

**Minutes of the IQAC meeting held on 26-12-2017 at 2:30 P.M**

| | | |
|---|---|---|
| 1. | DR SYED ABDUL SATTAR( PRINCIPAL) - | CHAIRMAN |
| 2. | PROF SYED FARRUKH ANWAR(VP ADMIN) | COORDINATOR |
| 3. | PROF RAZA AHMED KHAN (VP ACAD) | MEMBER |
| 4. | DR MAQBOOL HUSSAIN (HOD MECH) | MEMBER |
| 5. | MRS ZEENATH (HOD ECE) | MEMBER |
| 6. | MR MANSOOR ALI (HOD EEE) | MEMBER |
| 7. | MR. MOHAMMED KHALEEL (HOD CSE) | MEMBER |
| 8. | DR NIZAM (HOD IT) | MEMBER |
| 9. | MR.NISAR AHMED (CHIEF ADMIN OFFICER)- | MEMBER |
| 10. | MR.VIJAY K GUDIVADA (EXAM BRANCH I/C) | MEMBER |
| 11. | DR RAMESH REDDY (DIRECTOR R&D)- | MEMBER |
| 12. | DR B SRINIVAS REDDY( DEAN ACADEMICS)- | MEMBER |

Chairman, IQAC welcomed the members of IQAC to the 2nd meeting of AY 2017-18 at 2:30 P.M.

**Results Analysis :** The Coordinator, IQAC presented the pass percentages in all the subjects of all the departments. The subjects in which the pass % is less than 80% have been noted by the corresponding HoDs. All HoDs are advised to take the required corrective measures to improve the pass percentage.

**Summer Training programs:** The Coordinator, IQAC presented the default of the proposed summer training programs and mini projects to be arranged at NSAKCET for the benefit or students.

**Placements:** The Coordinator, IQAC has asked for the details of previously adapted plan of action regarding improvement of placements. It has been unanimously felt that the plan of action certainly is going to lead to better placement record this year.

**Introduction of OBE:** The Chairman, IQAC clarified the role of standardizing OBE implementation. He focused on the following aspects while designing curriculum and regulations to be adopted from 2018-19 onwards

- Increase in number of laboratory courses
- Even distribution of Engineering Science subjects, program core, electives and other subjects

- Suitability of industry requirements
- Specification of COs & POs and mapping methods of OBE
- Wider choice of elective subjects

Accordingly all the departments have been advised to propose draft syllabi for all subjects with all the other required specifications at the earliest

The Chairman, IQAC concluded the meeting with a vote of thanks

Coordinator - IQAC

NAAC

Coordinator

Chairman - IQAC

PRINCIPAL

Nawab Shah Alam Khan

College of Engineering & Technology

New Malakpet, Hyderabad-500024

# Nawab Shah Alam Khan
COLLEGE OF ENGINEERING & TECHNOLOGY

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**CIRCULAR**

Date: 28-07-2017

Sub: Convening the meeting of IQAC(1/2017-18) – Reg.

A meeting of IQAC will convened on 30-07-2017 at 2:30 P.M in the IQAC cell to discuss the following agenda:

1. Results Analysis
2. Conduction of Guest Lectures / Workshops
3. Conduction of Faculty Development Programmes

All members of IQAC should make it convenient to attend the meeting without fail

Coordinator , IQAC
NAAC
Coordinator

Chairman, IQAC
PRINCIPAL
Nawab Shah Alam Khan
College of Engineering & Technology
New Malakpet, Hyderabad-500024

# Nawab Shah Alam Khan
COLLEGE OF ENGINEERING & TECHNOLOGY

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EAMCET Code: NAWB | PGECET Code : NAWB1 | POLYCET Code : NAWB

Minutes of the IQAC meeting held on 30-07-2017 at 2:30 P.M

| | | |
|---|---|---|
| 1. | DR SYED ABDUL SATTAR( PRINCIPAL)– | CHAIRMAN |
| 2. | PROF SYED FARRUKH ANWAR(VP ADMIN) | COORDINATOR |
| 3. | PROF RAZA AHMED KHAN (VP ACAD)– | MEMBER |
| 4. | DR AHMED HUSSSAIN (HOD CIVIL)– | MEMBER |
| 5. | DR MAQBOOL HUSSAIN (HOD MECH)– | MEMBER |
| 6. | MRS ZEENATH (HOD ECE)– | MEMBER |
| 7. | MR MANSOOR ALI (HOD EEE)– | MEMBER |
| 8. | DR G S RAO (HOD CS)– | MEMBER |
| 9. | DR NIZAM (HODIT)– | MEMBER |
| 10. | NISAR AHMED (CHIEF ADMIN OFFICER)– | MEMBER |
| 11. | VIJAY K GUDIVADA (EXAM BRANCH INCHARGE)– | MEMBER |
| 12. | DR RAMESH REDDY (DIRECTOR R&D)– | MEMBER |
| 13. | DR B SRINIVAS REDDY( DEAN ACADEMICS)– | MEMBER |

Chairman, IQAC welcomed the members of IQAC to the 2nd meeting at 2:30 P.M.

**Results Analysis :** The Coordinator, IQAC presented the pass percentages in all the subjects of all the departments. The subjects in which the pass % is less than 50% have been noted by the corresponding HoDs. All HoDs are advised to take the required corrective measures to improve the pass percentage.

**Guest Lectures, Workshops:** The Coordinator, IQAC presented the proposal of invitations to various resource persons as per the requirements of the various departments to conduct guest lectures and workshops to be conducted at the at NSAKCET.

**FDPs:** The Coordinator, IQAC presented the proposal of invitations to various resource persons pertaining to varying domains for all the departments to conduct faculty development programmes to be conducted at the at NSAKCET.

The Chairman, IQAC concluded the meeting with a vote of thanks

Coordinator, IQAC
NAAC
Coordinator

Chairman, IQAC
PRINCIPAL
Nawab Shah Alam Khan
College of Engineering & Technology
New Malakpet, Hyderabad-500024.

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**CIRCULAR**

Date: 23-07-2018

Sub: Convening the meeting of IQAC {1/2018-19} – Reg.

A meeting of IQAC is to be convened on 25-07-2018 at 2.00 P.M in the IQAC Cell to discuss

The following agenda.

1. Plan of Action of IQAC for the academic year 2018-19
2. Review the college working committees for better outcome of Institutional progress
3. Strengthening of Anti ragging committee
4. Need of internal mentoring.

All members of IQAC should make it convenient to attend the meeting without fail

Coordinator IQAC

NAAC
Coordinator

Chairman, IQAC

PRINCIPAL
Nawab Shah Alam Khan
College of Engineering & Technology
New Malakpet, Hyderabad-500024

# Nawab Shah Alam Khan
COLLEGE OF ENGINEERING & TECHNOLOGY

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The plan of action chalked out by the IQAC towards Quality Enhancement for 2018-2019 academic year.

| Plan of Action | Achievements |
|---|---|
| To apply for NAAC Accreditation | All the departments have initiated IIQA and the Criteria work for the preparation of SSR |
| To offer Value added courses | Training program was conducted on latest technologies for the benefit of the students |
| To Improve Co-Curricular Activities | Workshops, industrial visits, soft skill developments programmers organized regularly |
| To Encourage R&D and organize FDPs. | FDP programs organized |
| Developing documentation Standards. | Documentation standard for monthly report has been developed |
| To improve the employability skills | Workshops and training programmes offered by three departments. |
| R14 Curriculum design | R14 curriculum design with adoption of OBE has been done |

Coordinator
IQAC
NAAC
Coordinator

Chairman
IQAC
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Approved by AICTE | Permitted by Govt. of Telangana | Affiliated to JNTUH
EAMCET Code: NAWB | PGECET Code : NAWB1 | POLYCET Code : NAWB

Minutes of the IQAC meeting held on 25-07-2018 at 2:00 P.M

| | | |
|---|---|---|
| 1. | DR SYED ABDUL SATTAR (PRINCIPAL) | CHAIRMAN |
| 2. | DR. MOHAMMAD S. QASEEM (VP ACAD) | COORDINATOR |
| 3. | PROF SYED FARRUKH ANWAR(VP ADMIN) | MEMBER |
| 4. | PROF RAZA AHMED KHAN (Principal Polytechnic) | MEMBER |
| 5. | DR MAQBOOL HUSSAIN (HOD MECH) | MEMBER |
| 6. | MRS ZEENATH (HOD ECE) | MEMBER |
| 7. | MR MANSOOR ALI (HOD EEE) | MEMBER |
| 8. | MR. MOHAMMED KHALEEL (HOD CS) | MEMBER |
| 9. | DR K NIZAMDDIN (HOD IT) | MEMBER |
| 10. | MR.NISAR AHMED (CAO) | MEMBER |
| 11. | MR.VIJAY K GUDIVADA (EXAM BRANCH I/C) | MEMBER |
| 12. | DR RAMESH REDDY (DIRECTOR R&D) | MEMBER |
| 13. | DR B SRINIVAS REDDY (DEAN ACADEMICS) | MEMBER |

Chairman, IQAC welcomed the members of IQAC to the 1st meeting of AY 2018-19 at 2:00 pm and presented a PPT presentation on basic purposes, activities and functions of IQAC.

1. The newly inducted Coordinator - IQAC initiated the meeting by welcoming all the members and Confirmed the 2nd Minutes of meeting of 26/12/2017, read out the Agenda of the Meeting, briefed the Goals, Objectives, Strategy, Functions, Benefits, Follow-ups, roles and responsibilities of members of the institution and also presented the report.

2. The Coordinator stressed the Plan of Action of IQAC for the academic year 2018-19, by enhancing quality through various steps in areas of Academics, Research, infrastructure , Teaching –learning process. He stressed for team work and the total participation of all the faculties for the preparation and timely submission of the IIQA and SSR on a top priority.

3. The Chairman, felt that it is necessary to review the college working committees and improvement in their roles and responsibilities for better Co-ordination and outcome of Institutional progress. He also expressed Anti-ragging committee has been strengthened for prevention of ragging inside the college premises.

4. The Chairman concluded the discussion and stressed on the need of internal mentoring. He suggested that Heads of Department can interact with students Class Representatives every fortnight.

The Chairman, IQAC concluded the meeting with a vote of thanks

Coordinator- IQAC

NAAC
Coordinator

Chairman IQAC
PRINCIPAL
Nawab Shah Alam Khan
College of Engineering & Technology
Idgah Malakpet, Hyderabad-500024

# Nawab Shah Alam Khan
COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE | Permitted by Govt. of Telangana | Affiliated to JNTUH
EAMCET Code: NAWB | PGECET Code : NAWB1 | POLYCET Code : NAWB

**CIRCULAR**

Date: 22-12-2017

Sub: Convening the meeting of IQAC {2/2017-18} – Reg.

A meeting of IQAC is to be convened on 26-12-2017 at 2.30 P.M in the IQAC Cell to discuss

The following agenda.

1. Results Analysis
2. Summer Training programs
3. Placements
4. Conduction of Guest Lectures / Workshops
5. Introduction of OBE at NSAKCET

All members of IQAC should make it convenient to attend the meeting without fail

Coordinator IQAC
NAAC
Coordinator

Chairman, IQAC
PRINCIPAL
Nawab Shah Alam Khan
College of Engineering & Technology
New Malakpet, Hyderabad-500024.

**7.4 Improvement in Placement, Higher Studies and Entrepreneurship** (10) Total Marks 10.00 Institute Marks : 10.00

| | **LYG (2017-18)** | **LYGm1 (2016-17)** | **LYGm2(2015-16)** | |
|---|---|---|---|---|
| Total No. Students(N) of Final Year graduated | 88 | 36 | 62 | |
| No. of students placed in companies or GovernmentSector (x) | 27 | 33 | 58 | |
| No. of students admitted to higher studies with validqualifying scores (GATE or equivalent State or National Level Tests, GRE, GMAT etc.) (y) | 6 | 1 | 3 | |
| No. of entrepreneur students turned (z) | 0 | 0 | 0 | |
| x+y+z= | 33 | 34 | 61 | |
| Placement Index(X+Y+Z)N | 0.37 | | | |
| Average Placement = (P1+P2+P3)/3 | 0.416 | | | |
| Assessment Points= (40 x Average placement)= | 40x0.416=16.66 | | | |

| | | CIVIL - DEPARTMENT PLACEMENT DETAILS FOR THE ACADEMIC YEAR - 2020-2021 | | | | | |
|---|---|---|---|---|---|---|---|
| **S.No** | **Roll Number** | **Candidate Name** | **Branch** | **Company** | **Reference Number** | **Designation** | **Salary Package** |
| 1 | 17RT1A0150 | Mohammed Ahmed Hussain | CIVIL | Pie Infocomm | PIE/ACD/NSAK1050 | Autocad Designer | Rs: 4,50,000/- per annum |
| 2 | 17RT1A0184 | Mohd Abdul Azeem | CIVIL | Pie Infocomm | PIE/ACD/NSAK1084 | Autocad Designer | Rs: 4,50,000/- per annum |
| 3 | 17RT1A01A3 | Mohd Muzammil | CIVIL | Pie Infocomm | PIE/ACD/NSAK1013 | Autocad Designer | Rs: 4,50,000/- per annum |
| 4 | 17E01A0116 | Ameer Sohail | CIVIL | Econstruct Design & Build Pvt Ltd | ECON/NSHYD/SE538 | Structural Engineer | Rs: 2,00,000/- per annum |
| 5 | 17RT1A0IG1 | Yaseen Khan | CIVIL | Econstruct Design & Build Pvt Ltd | ECON/NSHYD/SE541 | Structural Engineer | Rs: 2,00,000/- per annum |
| 6 | 17E01A0118 | Syed Fazeel Ahmed | CIVIL | Econstruct Design & Build Pvt Ltd | ECON/NSHYD/SE542 | Structural Engineer | Rs: 2,00,000/- per annum |
| 7 | 17RT1A01D1 | Shaik Mujeeb | CIVIL | Econstruct Design & Build Pvt Ltd | ECON/NSHYD/SE544 | Structural Engineer | Rs: 2,00,000/- per annum |
| 8 | 17RT1A0125 | Khateeb Mohammed Yaser Raza | CIVIL | Econstruct Design & Build Pvt Ltd | ECON/NSHYD/SE548 | Structural Engineer | Rs: 2,00,000/- per annum |
| 9 | 17RT1A0189 | Mohd Atif Ali | CIVIL | Econstruct Design & Build Pvt Ltd | ECON/NSHYD/SE549 | Structural Engineer | Rs: 2,00,000/- per annum |
| 10 | 17RT1AO122 | Khaja Mudassir Hussain | CIVIL | Square Yards | MTSM/HYD/212 | Sales & Marketing - Management Trainee | Rs: 4,50,000/- per annum |
| 11 | 17RT1A0143 | Mohammed Abdul Billal Siddiqui | CIVIL | Square Yards | MTSM/HYD/314 | Sales & Marketing - Management Trainee | Rs: 4,50,000/- per annum |
| 12 | 18RT5A0127 | Mohd Ayaz | CIVIL | Square Yards | MTSM/HYD/217 | Sales & Marketing - Management Trainee | Rs: 4,50,000/- per annum |
| 13 | 18RT5A0128 | Mohd Imran Khan | CIVIL | Square Yards | MTSM/HYD/218 | Sales & Marketing - Management Trainee | Rs: 4,50,000/- per annum |
| 14 | 17RT1A0153 | Mohammed Asif | CIVIL | GGR HOUSING INDIA PVT LTD | GGR/ACE0821/1109 | Autocad Engineer | Rs: 2,76,000/- per annum |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 15 | 17RT1A0174 | Mohammed Qutunbuddin | CIVIL | GGR HOUSING INDIA PVT LTD | GGR/ACE0821/1116 | Autocad Engineer | Rs: 2,76,000/- per annum |
| 16 | 17RT1A0181 | Mohammed Zainul Abadeen | CIVIL | GGR HOUSING INDIA PVT LTD | GGR/ACE0821/1119 | Autocad Engineer | Rs: 2,76,000/- per annum |
| 17 | 17RT1A0187 | Mohd Abdul Wasay | CIVIL | GGR HOUSING INDIA PVT LTD | GGR/ACE0821/1126 | Autocad Engineer | Rs: 2,76,000/- per annum |
| 18 | 18RT5A0102 | Adiba Nishath | CIVIL | Sumadhura Infracon | SDINFRA-0902/SE2021 | Site Engineer | Rs: 2,40,000/- per annum |
| 19 | 18RT5A0104 | Fariya Tabassum | CIVIL | Sumadhura Infracon | SDINFRA-0904/SE2021 | Site Engineer | Rs: 2,40,000/- per annum |
| 20 | 18RT5A0108 | MD Muteeb UR Rahman | CIVIL | Sumadhura Infracon | SDINFRA-0908/SE2021 | Site Engineer | Rs: 2,40,000/- per annum |
| 21 | 17RT1A01G2 | Mohd Abdul Mubeen | CIVIL | Sumadhura Infracon | SDINFRA-0912/SE2021 | Site Engineer | Rs: 2,40,000/- per annum |
| 22 | 17RT1A01F8 | Ubaid Mohiuddin Ali | CIVIL | R9 Constructions | R9C/NSAKCET-6321 | Design Engineer | Rs: 2,40,000/- per annum |
| 23 | 17RT1A01B6 | Mohd Yaseen | CIVIL | R9 Constructions | R9C/NSAKCET-6621 | Design Engineer | Rs: 2,40,000/- per annum |
| 24 | 17RT1A01B8 | Nazishali Khan | CIVIL | R9 Constructions | R9C/NSAKCET-6721 | Design Engineer | Rs: 2,40,000/- per annum |
| 25 | 18RT5A0118 | Mohammed Ilyas Mirza | CIVIL | CLASSIC CONSULTING ASSOCIATES | CCA/OL2021/TE18 | Trainee Engineer | Rs: 2,00,000/- per annum |
| 26 | 18RT5A0120 | Mohammed Rashiduddin | CIVIL | CLASSIC CONSULTING ASSOCIATES | CCA/OL2021/TE20 | Trainee Engineer | Rs: 2,00,000/- per annum |
| 27 | 18RT5A0124 | Mohd Abdullah | CIVIL | CLASSIC CONSULTING ASSOCIATES | CCA/OL2021/TE24 | Trainee Engineer | Rs: 2,00,000/- per annum |

**Training & Placement Officer** **Principal**

**Program Name and the assessment year: CivilEngineering – 2019-20 CAY**

NAWAB SHAH ALAM KHAN COLLEGE OF ENGINERING & TECHNOLOGY - PLACEMENT DETAILS - 2019-2020

DEPARTMENT OF CIVIL ENGINEERING

| S.No | Roll Number | Candidate Name | Branch | Company | Reference Number | Designation |
|---|---|---|---|---|---|---|
| 1 | 16RT1A0104 | ABDUL RAHEEM KHAN | CIVIL | Chibber Constructions Pvt Ltd | CCPL-SIENG01-07/2020 | Site Engineer |
| 2 | 16RT1A0111 | HAMID ABUBAKR | CIVIL | Chibber Constructions Pvt Ltd | CCPL-SIENG16-07/2020 | Site Engineer |
| 3 | 16RT1A0144 | MOHAMMED ABDULLAH SIDDIQUI | CIVIL | Chibber Constructions Pvt Ltd | CCPL-DNENG12-07/2020 | Design Engineer |
| 4 | 16RT1A0173 | MOHAMMED NAUSHAD ALI | CIVIL | Chibber Constructions Pvt Ltd | CCPL-DNENG13-07/2020 | Design Engineer |
| 5 | 16RT1A01A3 | MOHD MUSTAFA | CIVIL | Chibber Constructions Pvt Ltd | CCPL-SIENG09-07/2020 | Site Engineer |
| 6 | 16RT1A01E1 | SHAIK SARFARAZ | CIVIL | Chibber Constructions Pvt Ltd | CCPL-DNENG05-07/2020 | Design Engineer |
| 7 | 16RT1A0106 | ABDUL RAOOF | CIVIL | Parmar Constructions | PC/DEHYD/NS5856 | Design Engineer |
| 8 | 16RT1A0113 | HUNABAD NAVEEDSOHAIL | CIVIL | Parmar Constructions | PC/DEHYD/NS5863 | Design Engineer |
| 9 | 16RT1A0149 | MOHAMMED ALEEM | CIVIL | Parmar Constructions | PC/DEHYD/NS5879 | Design Engineer |
| 10 | 16RT1A0195 | MOHD IBRAHIM | CIVIL | Parmar Constructions | PC/DEHYD/NS5885 | Design Engineer |
| 11 | 16RT1A01C4 | NOUMAN MIRZA | CIVIL | Parmar Constructions | PC/DEHYD/NS5894 | Design Engineer |
| 12 | 16RT1A01F2 | SAYYED FURQAN HUSSAIN | CIVIL | Parmar Constructions | PC/DEHYD/NS5902 | Design Engineer |
| 13 | 17RT5A0133 | SYED ILYAS AHMED | CIVIL | Square Yards | MTSQUARE12173/OFF2020 | Management Trainee |
| 14 | 16RT1A0147 | MOHD AFROZ | CIVIL | Square Yards | MTSQUARE12174/OFF2020 | Management Trainee |
| 15 | 16RT1A0165 | MOHD MANSOOR | CIVIL | Square Yards | MTSQUARE12176/OFF2020 | Management Trainee |
| 16 | 16RT1A0174 | MOHD NAZIMUDDIN | CIVIL | Square Yards | MTSQUARE12177/OFF2020 | Management Trainee |
| 17 | 16RT1A0179 | MOHAMMED SAMEE | CIVIL | Square Yards | MTSQUARE12179/OFF2020 | Management Trainee |
| 18 | 16RT1A0108 | ASRAR AHMED | CIVIL | Vansh Constructions | ACE0602/EMP2020/VANSH | Auto Cad Engineer |
| 19 | 16RT1A0120 | KHAJAMOINUDDIN | CIVIL | Vansh Constructions | ACE0612/EMP2020/VANSH | Auto Cad Engineer |
| 20 | 16RT1A0129 | MD IBRAHIM ALI KHAN | CIVIL | Vansh Constructions | ACE0622/EMP2020/VANSH | Auto Cad Engineer |
| 21 | 16RT1A0157 | MOHAMMED HASEEB UDDIN | CIVIL | Vansh Constructions | ACE0634/EMP2020/VANSH | Auto Cad Engineer |
| 22 | 16RT1A0171 | MOHAMMED MUNEEB UR RAHMAN | CIVIL | Vansh Constructions | ACE0619/EMP2020/VANSH | Auto Cad Engineer |
| 23 | 16RT1A0186 | MOHD UZAIR UZ ZAMAN | CIVIL | Vansh Constructions | ACE0615/EMP2020/VANSH | Auto Cad Engineer |
| 24 | 16RT1A0190 | MOHD ABDUL KAREEM | CIVIL | nQuantum | NQSD/QT190/2020 | Software Developer |
| 25 | 16RT1A01C1 | MUWAHID SHAKIR | CIVIL | nQuantum | NQSD/QT011/2020 | Software Developer |
| 26 | 16RT1A01D2 | S TOWSHED AHMED | CIVIL | Plastech Engineering | MTCE2020/PLEC1112 | Maintenance Engineer |
| 27 | 16RT1A01E5 | SYED MOHAMMED ISHAQUI | CIVIL | Plastech Engineering | MTCE2020/PLEC1115 | Maintenance Engineer |
| 28 | 16RT1A01G3 | SYED SUFIYAN AHMED | CIVIL | Pahani | PREC/Sales/1613/2021 | Sales Engineer |
| 29 | 16RT1A01G9 | MOHAMMED BASEER ULLAH | CIVIL | Pahani | PREC/Sales/1619/2021 | Sales Engineer |
| 30 | 17RT5A0109 | MD MUNTAZIM UDDIN | CIVIL | Pahani | PREC/Sales/1709/2021 | Sales Engineer |
| 31 | 17RT5A0120 | MOHAMMED EHTESHAM | CIVIL | Pahani | PREC/Sales/1720/2021 | Sales Engineer |
| 32 | 17RT5A0116 | MOHAMMED ABDUL RAHMAN | CIVIL | Sumadhura Infracon | SDINFRA-7116/SA2020 | Sales Accountant |
| 33 | 17RT5A0123 | MOHAMMED MAHMOOD UL HASAN | CIVIL | Sumadhura Infracon | SDINFRA-7123/SA2020 | Sales Accountant |

**Program Name and the assessment year: CivilEngineering – 2018-19 CAYM1**

| SNO | NAME OF THE STUDENTPLACED | ENROLLMENT NO | NAME OF THEEMPLOYER | APPOINMENTLETTER |
|---|---|---|---|---|
| 1 | ABDUL RAHMAN | 15RT1A0103 | GGR HOUSINGINDIA PVT LTD | GGR/DE2041/2019 |
| 2 | ABDUL RAHMAN | 15RT1A0104 | GGR HOUSINGINDIA PVT LTD | GGR/DE2042/2019 |
| 3 | MD ABDUL MANNAN | 15RT1A0123 | GGR HOUSINGINDIA PVT LTD | GGR/DE2043/2019 |
| 4 | MD ABDUL MOIZ | 15RT1A0124 | GGR HOUSINGINDIA PVT LTD | GGR/DE2044/2019 |
| 5 | MD ABRAR | 15RT1A0126 | GGR HOUSINGINDIA PVT LTD | GGR/DE2045/2019 |
| 6 | MD FAISAL FARUQI | 15RT1A0127 | GGR HOUSINGINDIA PVT LTD | GGR/DE2046/2019 |
| 7 | MIR MUSTAFA ALI KHAN | 15RT1A0138 | GGR HOUSINGINDIA PVT LTD | GGR/DE2047/2019 |
| 8 | MIRZA ABID BAIG | 15RT1A0141 | GGR HOUSINGINDIA PVT LTD | GGR/DE2048/2019 |
| 9 | MOHAMMED SHOYAB KHAN | 15RT1A0145 | GGR HOUSINGINDIA PVT LTD | GGR/DE2049/2019 |
| 10 | MOHAMMED ABDUL AHMED | 15RT1A0146 | GGR HOUSINGINDIA PVT LTD | GGR/DE2050/2019 |
| 11 | MOHAMMED ABDUL SALAM | 15RT1A0153 | GGR HOUSINGINDIA PVT LTD | GGR/DE2051/2019 |
| 12 | MOHAMMED ABDUL SAMIFAROOQUI | 15RT1A0155 | GGR HOUSINGINDIA PVT LTD | GGR/DE2052/2019 |
| 13 | MOHAMMED AKIF KHAN | 15RT1A0159 | GGR HOUSINGINDIA PVT LTD | GGR/DE2053/2019 |
| 14 | MOHAMMED AWAIS SHAH | 15RT1A0161 | GGR HOUSINGINDIA PVT LTD | GGR/DE2054/2019 |
| 15 | ABDUL ADIL KHAN | 15RT1A0101 | GGR HOUSINGINDIA PVT LTD | GGR/DE2055/2019 |
| 16 | MD SADIQ MOHIUDDIN | 15RT1A0135 | GGR HOUSINGINDIA PVT LTD | GGR/DE2056/2019 |

| | | | | |
|---|---|---|---|---|
| 17 | MOHD ABDUL IRFAN | 15RT1A0183 | GGR HOUSINGINDIA PVT LTD | GGR/DE2057/2019 |
| 18 | MOHD IRFAN FAROOQ | 15RT1A0197 | GGR HOUSINGINDIA PVT LTD | GGR/DE2058/2019 |
| 19 | MOHD SHOIEN UDDIN | 15RT1A01B2 | GGR HOUSINGINDIA PVT LTD | GGR/DE2059/2019 |

| | | | | |
|---|---|---|---|---|
| 20 | MOHAMMED GHOUSEMOHIUDDIN | 15RT1A0164 | R9 CONSTRUCTION | R9TSE/11752019 |
| 21 | MOHAMMED HANEEF | 15RT1A0165 | R9 CONSTRUCTION | R9TSE/11762019 |
| 22 | MOHAMMED MUTAHER ALI | 15RT1A0172 | R9 CONSTRUCTION | R9TSE/11772019 |
| 23 | MOHAMMED NISSAR | 15RT1A0173 | R9 CONSTRUCTION | R9TSE/11782019 |
| 24 | MOHAMMED SAIF ULLAH | 15RT1A0177 | R9 CONSTRUCTION | R9TSE/11792019 |
| 25 | MOHAMMED SHAHID | 15RT1A0178 | R9 CONSTRUCTION | R9TSE/11802019 |
| 26 | MOHAMMED TAHIR AHMED | 15RT1A0179 | R9 CONSTRUCTION | R9TSE/11812019 |
| 27 | MOHD ABDUL AMER | 15RT1A0182 | R9 CONSTRUCTION | R9TSE/11822019 |
| 28 | MOHD ABDUL MANNAN | 15RT1A0184 | R9 CONSTRUCTION | R9TSE/11832019 |
| 29 | MOHD ABDUL ZIA | 15RT1A0185 | R9 CONSTRUCTION | R9TSE/11842019 |
| 30 | AHMED SAMEERUDDINKHAN | 15RT1A0106 | R9 CONSTRUCTION | R9TSE/11852019 |
| 31 | DEEN MOHAMMED KHAN | 15RT1A0112 | R9 CONSTRUCTION | R9TSE/11862019 |
| 32 | GULAM AZHER OMER | 15RT1A0113 | R9 CONSTRUCTION | R9TSE/11872019 |
| 33 | MD RAFI UDDIN HUSSAINSIDDIQUI | 15RT1A0133 | R9 CONSTRUCTION | R9TSE/11882019 |
| 34 | SHAHNAWAZ HYDER | 15RT1A01C9 | R9 CONSTRUCTION | R9TSE/11892019 |
| 35 | MOHD ASLAM | 15RT1A0189 | R9 CONSTRUCTION | R9TSE/11902019 |
| 36 | MOHD MANSOOR HANIEF | 15RT1A01A1 | S.K.H UNFOTECH | SKH/OLSE1004/2019 |
| 37 | MOHD SHAFEEQ | 15RT1A01A8 | S.K.H UNFOTECH | SKH/OLSE1005/2019 |
| 38 | MOHD ABDUL RAHEEM | 15RT1A01B8 | S.K.H UNFOTECH | SKH/OLSE1006/2019 |
| 39 | MUHAMMED SALAHUDDINZAKER | 15RT1A01B9 | S.K.H UNFOTECH | SKH/OLSE1007/2019 |

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|---|---|---|---|---|
| 40 | REHAN ABDUL NASSIR | 15RT1A01C5 | S.K.H UNFOTECH | SKH/OLSE1008/2019 |
| 41 | SHAIK ABDUL AZEEM | 15RT1A01D0 | S.K.H UNFOTECH | SKH/OLSE1009/2019 |
| 42 | ABRAR AHMED | 16RT5A0102 | S.K.H UNFOTECH | SKH/OLSE1010/2019 |
| 43 | MD ASLAM | 16RT5A0108 | S.K.H UNFOTECH | SKH/OLSE1011/2019 |
| 44 | MOHAMMED HYDAYATHULLAH | 16RT5A0115 | S.K.H UNFOTECH | SKH/OLSE1012/2019 |
| 45 | SYED AHMED MOHIUDDIN | 15RT1A01E5 | CAROTTEES SYSTEM INDIAPVT LTD | CS/OL83/2019 |
| 46 | SYED EHSAN AHMEDQUADRI | 15RT1A01E8 | CAROTTEES SYSTEM INDIAPVT LTD | CS/OL84/2019 |
| 47 | SYED OMAR SAFYAANKADAR | 15RT1A01F8 | CAROTTEES SYSTEM INDIAPVT LTD | CS/OL85/2019 |
| 48 | TAMEEM RAZA | 15RT1A01G4 | CAROTTEES SYSTEM INDIAPVT LTD | CS/OL86/2019 |
| 49 | NABILA MEHREEN | 16RT5A0131 | CAROTTEES SYSTEM INDIAPVT LTD | CS/OL87/2019 |
| 50 | UMMUL KHAIR RUMANA | 16RT5A0132 | CAROTTEES SYSTEM INDIAPVT LTD | CS/OL87/2019 |

**Program Name and the assessment year: CivilEngineering – 2017-18 CAYM2**

| SNO | NAME OF THE STUDENTPLACED | ENROLLMENT NO | NAME OF THEEMPLOYER | APPOINMENT LETTER |
|---|---|---|---|---|
| 1 | MOHAMMED ABDULADIL | 14RT1A0101 | CLASSIC CONSULTINGASSOCIATES | CCA/OLSP00212018 |
| 2 | SYED ARBAZUDDIN | 14RT1A0102 | CLASSIC CONSULTINGASSOCIATES | CCA/OLSP00222018 |
| 3 | SYED ABDULMUQTADAR | 14RT1A0103 | CLASSIC CONSULTINGASSOCIATES | CCA/OLSP00232018 |
| 4 | MOHD YASEEN | 14RT1A0115 | CLASSIC CONSULTINGASSOCIATES | CCA/OLSP00242018 |
| 5 | ALI RAFIQ FAROOQUI | 14RT1A0120 | CLASSIC CONSULTINGASSOCIATES | CCA/OLSP00252018 |

| | | | | |
|---|---|---|---|---|
| **6** | **MOHAMMED FAIZUDDIN** | **14RT1A0129** | **CLASSIC CONSULTINGASSOCIATES** | **CCA/OLSP00262018** |
| **7** | **MOHAMMED ANWAR** | **14RT1A0131** | **R9 CONSTRUCTION** | **R9OLSE0142018** |
| **8** | **MOHAMMED SAFI UDDIN** | **14RT1A0142** | **R9 CONSTRUCTION** | **R9OLSE0152018** |
| **9** | **MOHD ABDUL YASSAR** | **14RT1A0147** | **R9 CONSTRUCTION** | **R9OLSE0162018** |
| **10** | **MOHD MUKARRAMHUSSAIN** | **14RT1A0152** | **R9 CONSTRUCTION** | **R9OLSE0172018** |

| | | | | |
|---|---|---|---|---|
| **11** | **ABDUL RAHEEM** | **15RT5A0101** | **R9 CONSTRUCTION** | **R9OLSE0182018** |
| **12** | **ISA BIN HUSSAINBARWAZ** | **15RT5A0102** | **GGR HOUSINGINDIA PVT LTD** | **GGR/DM1151/2018** |
| **13** | **GAJBINKAR SUSHMA** | **15RT5A0103** | **GGR HOUSINGINDIA PVT LTD** | **GGR/DM1152/2018** |
| **14** | **MOHD ABDULRAHAMAN** | **15RT5A0104** | **GGR HOUSINGINDIA PVT LTD** | **GGR/DM1153/2018** |
| **15** | **MOHD EESAR UDDIN** | **15RT5A0105** | **GGR HOUSINGINDIA PVT LTD** | **GGR/DM1154/2018** |
| **16** | **ZAFAR KHALEDSIDDIQUI** | **15RT1A01G7** | **GGR HOUSINGINDIA PVT LTD** | **GGR/DM1155/2018** |

## HIGHER EDUCATION DETAILSCAY (2020-2021)

| S.No | Name Of student | Qualifying Exam | College Name |
|---|---|---|---|
| 1 | Habeeb BABA | GATE | - |
| 2 | Shaikh Masroor Ahmed | PGCET | Lords College of Engg & Technology(Structural Engineering) |

## HIGHER EDUCATION DETAILSCAY (2019-2020)

| S.No | Name Of student | Qualifying Exam | College Name |
|---|---|---|---|
| 1 | Syed Minhaj Uddin ahmed | PGCET | Lords engg college (construction management) |

### HIGHER EDUCATION DETAILSCAY (2018-2019)

| S.No | Name Of student | Qualifying Exam | College Name |
|---|---|---|---|
| 1 | Mohammed Akif Khan | PGCET | NSAKCET STRUCTURAL ENGG |
| 2 | Syeda Fatima Zainab Ali | PGCET | Lords College of Engg & Technology |
| 3 | Md . Yakub Muddasir | Masters | U.K |

**CAYm1 (2017-2018)**

| S.No | Name Of student | Qualifying Exam | College Name |
|---|---|---|---|
| 1 | Md. Faiz uddin | PGCET | CMR College Of Engineering |
| 2 | Kashif Ali | Masters | Texas A &M University(U.S) |
| 3 | ESA Barawaz | Masters | Australia |
| 4 | Muddasir Siddiqui | Masters | University of East london |

**CAYm2 (2016-2017)**

| S.No | Name Of student | Qualifying Exam | College Name |
|---|---|---|---|
| 1. | Kafeel Saad | Masters | Swinburne University of Technology |

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Zone/Scrutiny Code

**1OB**

GATE

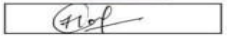
K519H11



**K519H11** (Enrollment ID)

**HABEEB BABA**
(Full Name of the Applicant)





| | | |
|---|---|---|
| **26 Apr 1999** (D.O.B) | **Male** (Gender) | **OBC-NCL** (Category) |
| **Indian National** | **+91-7989919113** (Parent/Guardian's Mobile Number) | **FAKHIR SHAH WALI** (Parent/Guardian's Name) |

### *Communication Address*

HASSAN NAGAR RAJENDRA NAGAR
Gaganpahad
Telangana 500052
**+91-7989919113** (Mobile No.)
habeebbaba3@gmail.com

### *GATE Exam Details*

GATE Paper Code

**CE**

**(Civil Engineering)**

Exam City 1: **Hyderabad (TS)**
Exam City 2: **Bidar (KA)**
Exam City 3: **Kalaburagi (Gulbarga KA)**

### *Qualification Details*

**B.Tech**
**Civil Engg.**
**Graduated: Yes; Year of Graduation: 2021**
**NAWAB SHAH ALAM KHAN COLLEGE OF ENGINEERING & TECHNOLOGY**
**Sahifa**
**Telangana 500024**

### *Zonal GATE Office Contact*

Chairperson, GATE
Indian Institute of Science Bangalore
Bengaluru 560012

### *Payment Details*

| Payment Mode | Transaction Ref. No | Transaction Date | Amount | Payment For |
|---|---|---|---|---|
| Online | order_I3iiZgF3vUZg9a | 30/9/21 8:37 PM | INR 1500.00 | Registration |

*I confirm that I fulfil the eligibility criteria to appear for the Graduate Aptitude Test in Engineering (GATE 2022) examination and I, myself have filled up the entire form in the portal. I have fully understood each and every point in the form and filled up the details accordingly. I agree to strictly comply with the code of conduct for GATE 2022 examination as detailed in Appendix B of the Information Brochure. I confirm that the information provided by me in this form is correct in all respect. I also confirm that I am NOT filling more than ONE form for myself.*

*If any of the information provided by me is found to be incorrect at any time later, my candidature for GATE 2022 will be cancelled. This cancellation of my candidature can happen either before, during or after the examination, including the time after generation of my GATE 2022 score card, if any.*

*I also understand that GATE is NOT an admission ensuring examination, and qualifying in GATE examination does NOT guarantee admission / scholarship / job. GATE 2022 committee is NOT liable for any legal obligations related to admission / job.*

*I shall be liable for legal action for providing any type of false information. GATE 2022 committee's decision will be final and legally binding on me.*

**e-Signature:** HABEEB BABA

**Digital Fingerprint:** 824685a81ff0b5e7d07008e3c55bde27

3/22/2021 Print



# TELANGANA STATE COUNCIL OF HIGHER EDUCATION

## TS PGEC / TS PGECET - 2020 Admissions

### Phase II -Counseling

### Joining Report

Date:31-12-2020 21:10:46

Acknowledgement No: **16830**

| | | | |
|---|---|---|---|
| H.T.No./Reg No. | : 9101061315 | Rank (PGECET) / Score (GATE/GPAT) | : 1250 |
| Name: | : SYED MINHAJ UDDIN AHMED | Gender | : M |
| Father's Name: | : SYED SIRAJ UDDIN | Cat / Region | : OC / OU |
| Alloted in: | : Phase II | | |

I hereby report to the college **LORDS INSTITUTE OF ENGINEERING & TECHNOLOGY** in **CONSTRUCTION MANAGEMENT - [ REG ]** allotted during the second phase of counseling and submit my joining report herewith on 2-1-2021 (date).

**I am aware of the following :**

1. Candidates are required to Produce their Original Certificates for Physical Verification at the Allotted College along with the Fee Paid Challan and joining report.
2. My allotment order will be cancelled if all the original certificates are not produced at the allotted college for Physical Verification.
3. My allotment stands cancelled if not reported to the allotted college between 02nd Jan., 2021, to 07th Jan., 2021
4. Class work commenced from 21st Dec., 2020
5. Student who secured admission through **GATE/GPAT** are **not eligible for fee reimbursement**
6. My claim for Reimbersement of Tuition Fee (RTF) Will be considered subject to verification and eligibility criteria prescribed by Government of Telangana from time to time. In the event of myself found not eliginble for fee reimbusement, I will pay the total Tuition fee..
7. Tuition fee fixed is Semester fee for M.Tech./M.Pharm. and Annual fee for Pharm-D.

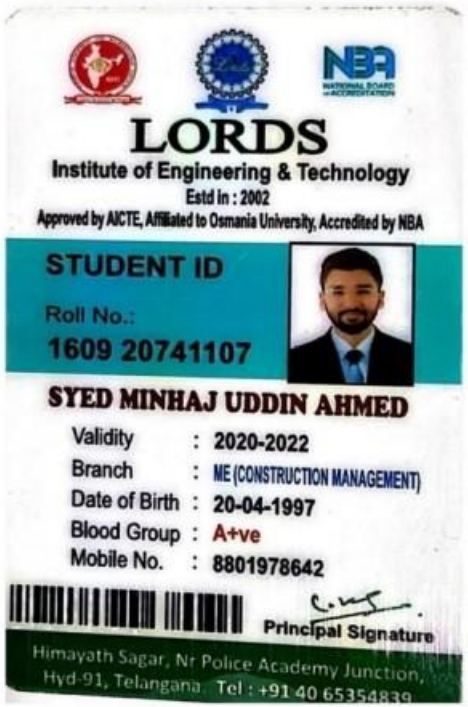
Signature of Candidate

Signature of Principal
With office seal

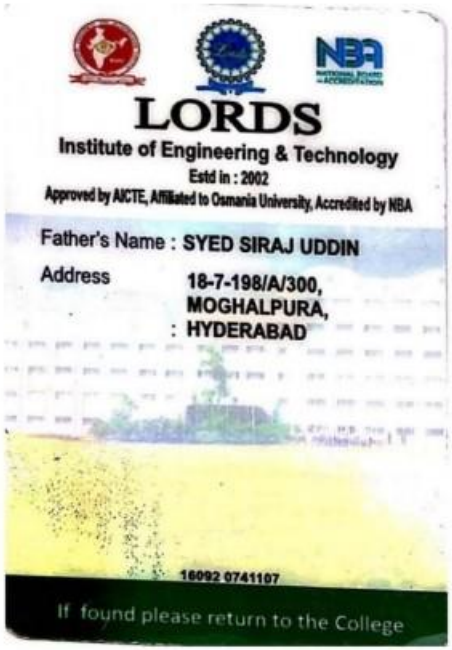


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**HIGHER STUDIES DATA**

# LORDS INSTITUTE OF ENGINEERING AND TECHNOLOGY

**UGC AUTONOMOUS**

Approved by AICTE/Affiliated to Osmania University/Estd.2002.

## HALL TICKET

| | |
|---|---|
| Name of the Examination: | M.E I-SEM(AUTONOMOUS) (CIE-1) |
| Name of the Course: | CIVIL- **STRUCTURAL ENGINEERING** |
| Month &Year | JANUARY-2022(A.Y.2021-22) |
| Name of the Student: | SHAIK MASROOR AHMED |
| Hall Ticket No: | **160921741015** |



**Paper Tittle(s) in which the Candidate is Appearing for CIE Examinations**

| S.NO | NAME OF THE COURSE | COURSE CODE | DATE OF EXAM & TIME |
|---|---|---|---|
| 1 | Structural Dynamics | P21SE101 | 03-01-2022 (09:45AM TO 11:15AM) |
| 2 | Advance Solid Mechanics | P21SE102 | 03-01-2022 (02:00PM TO 03:30PM) |
| 3 | Advance Reinforced Concrete Design(PE-I) | P21SE103 | 04-01-2022 (09:45AM TO 11:15AM) |
| 4 | Advance Concrete Technology(PE-II) | P21SE108 | 04-01-2022 (02:00PM TO 03:30PM) |
| 5 | Research Methodology & I.P.R (MC) | P21MB111 | 05-01-2022 (09:45AM TO 11:15AM) |
| 6 | Disaster Management (AC-I) | P21CE101 | 05-01-2022 (02:00PM TO 03:30PM) |

*PE-I(Professional Elective –I), PE-II(Professional Elective –II), MC(Mandatory Course) & AC-I (Audit Course-I)

Head of the Department
Civil Engineering Dept.
Lords Institute of Engg. & Technology

Signature of the HOD

LORDS INSTITUTE OF ENGINEERING & TECHNOLOGY
COLLEGE CODE 1609

LORDS INSTITUTE OF ENGINEERING & TECHNOLOGY
Sy. No: 32, Himayat Sagar, Near Telangana
Police Academy Junction, Hyderabad-500091.

Principal Signature with Seal

# GGR Housing India Pvt. Ltd.

706, Manjeera Majestic Commercial, P.O.No. 15-31-S3
KPHB JNTU Road, HYDERABAD - 500 085.
e-mail: peramggrhyd2016@gmail.com www.peramgroup.com
**An ISO 9001:2008 Certified Company**

A Unit of Peram Group


**Dt: 16th February 2019**
**Ref: GGR/DE2043/2019**

**To,**
**MD Abdul Mannan**
**685-25/7/C, New Saleem Nagar,**
**Malkapet, Hyderabad – 500036.**

**Dear MD Abdul Mannan,**

We are pleased to offer you "**Full time Design Engineer Position**" at GGR Housing India Pvt Ltd. This offer is conditional depending on your performance evaluation and attitude on your probationary period.

When you start your work, you will receive a payment of ***INR 2,40,000/- per annum*** as your regular salary, you are eligible to receive a medical insurance and travelling allowance. Upon confirming this letter, you are expected to follow the company rules and regulations upon your start of duty, any breech of the rules or contract may be used against you and for your termination. The rest of the details of conditions and terms of your hiring will be explained at your orientation on **July 13, 2019** at exactly 0900 HRS, you are expected to arrive thirty minutes before the said time in formal uniform. If you agree on the conditions stated above kindly fill up below on the space provided your printed name over signature and send it to the address stated below.

We are expecting that you will not miss the opportunity working with us, if you have any queries you can call our local number enclosed in this letter.

Sincerely,

**for GGR Housing India Pvt Ltd**

**Priyanka A**
**HR - Manager**

16/02/2019
Accepted

**7.4 Improvement in the quality of students admitted to the program** (10) Total Marks 10.00Institute Marks : 10.00

| Item | | 2021-2022 | 2020-2021 | 2019-20 | 2018-19 | 2017-18 |
|---|---|---|---|---|---|---|
| National Level Entrance ExaminationAITEEE | No of students admitted | 0 | 0 | 0 | 0 | 0 |
| | Opening Score/Rank | 0 | 0 | 0 | 0 | 0 |
| | Closing Score/Rank | 0 | 0 | 0 | 0 | 0 |
| State/ University/ Level Entrance Examination/ OthersEAMCET | No of students admitted | 14 | 52 | 109 | 114 | 164 |
| | Opening Score/Rank | 71622 | 27822 | 47433 | 55758 | 67990 |
| | Closing Score/Rank | 113970 | 200454 | 300132 | 200333 | 200327 |
| Name of the Entrance Examination for Lateral Entry or lateral entrydetails ECET | No of students admitted | 9 | 18 | 63 | 35 | 33 |
| | Opening Score/Rank | 1003 | 168 | 147 | 1277 | 1413 |
| | Closing Score/Rank | 1900 | 1624 | 1920 | 4603 | 3519 |
| Average CBSE/Any other board result of admitted students(Physics, Chemistry&Maths) | | 69.5 | 69 | 68 | 64 | 61 |

8.FIRST YEAR ACADEMICS (50) Total Marks 40.49

**8.1 First Year Student-Faculty Ratio (FYSFR)** (5) Total Marks 5.00

# Department of HUMANITIES AND SCIENCES
## Faculty List – (AY:2021- 2022)

| S.No | Name | PAN No | Qualification | Area of Specialization | Designation | Date of Joining | Date on which Designated as Professor/Associate Professor | Currently Associated(Y/N) | Nature of Association(regular/Contract/Adjunct) | If contractual mention Full time or Part time | Date of Leaving (In Case Currently Associated is "No") |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |
| 1 | FARHEEN SULTANA | DAIPS7511F | M.Sc | PURE MATHEMATICS | Associate Professor | 10-Jan-2009 | 2-Feb-2014 | Yes | Regular | | |
| 2 | M D OSMAN TOUFIQ | CGPPM7630D | M.Phil | APPLIED MATHEMATICS | Associate Professor | 10-Oct-2016 | 10-Oct-2016 | Yes | Regular | | |
| 3 | KHASIM ALI | AQWPK5922F | M.Sc,PhD | A Study on Surface Instailities in Newtonian and NN FLUIDS | Professor | 20-Jul-2017 | 20-Jul-2017 | Yes | Regular | | |
| 4 | BEGUM IMRANA | ATCPB2619R | M.Sc | PURE MATHEMATICS | Assistant Professor | 7-Jan-2015 | 7-Jan-2015 | Yes | Regular | | |
| 5 | RAHEEMA SULTANA | MCIPS0005F | M.Sc | PURE MATHEMATICS | Assistant Professor | 17-Jun-2015 | 17-Jun-2015 | Yes | Regular | | |
| 6 | RIYAZ QURESHI | AAVPQ1033G | M.sc,B.Ed | MATHEMATICS | Assistant Professor | 3-Oct-2020 | 3-Oct-2020 | Yes | Regular | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | MOHAMMED ASADULLAH | ABLPA4490N | M.Sc, PhD | PHYSICS | Professor | 2-Jun-2017 | 2-Jun-2017 | Yes | Regular | | |
| 8 | SHAIK AMER AHMED | HBMPS8856L | M.Sc | PHYSICS | Assistant Professor | 3-Oct-2020 | 3-Oct-2020 | Yes | Regular | | |
| 9 | V. ARUN KUMAR | ARZPV4100E | M.Sc | PHYSICS | Assistant Professor | 3-Oct-2020 | 3-Oct-2020 | Yes | Regular | | |
| 10 | RAJNIKANTH | BKAPT5106P | M.Sc | PHYSICS | Assistant Professor | 3-Oct-2020 | 3-Oct-2020 | Yes | Regular | | |
| 11 | DR MIR MOAZAM ALI | ACQPM2695B | Msc,Ph.D | CHEMISTRY | Professor | 11-Oct-2010 | 11-Oct-2010 | Yes | Regular | | |
| 12 | WAZIDA BEGAM | BNHPB4320B | M.Sc | ORGANIC CHEMISTRY | Assistant Professor | 1-Aug-2011 | 1-Aug-2011 | Yes | Regular | | |
| 13 | SADIA NAUSHEEN | AGZPN1537G | M.Sc ,B.Ed | ORGANIC CHEMISTRY | Assistant Professor | 7-Oct-2013 | 7-Oct-2013 | Yes | Regular | | |
| 14 | MD JAWEED | APRPJ6036P | M.Sc | CHEMISTRY | Assistant Professor | 3-Oct-2020 | 3-Oct-2020 | Yes | Regular | | |
| 15 | SABIHA KHATOON | CMBPK0479C | MA | MASTER OF ARTS IN ENGLISH | Assistant Professor | 25-Aug-2009 | 25-Aug-2009 | Yes | Regular | | |
| 16 | ASIMA PARVEEN | CBAPP9085M | MA | ENGLISH | Assistant Professor | 27-Aug-2014 | 27-Aug-2014 | Yes | Regular | | |
| 17 | BIJAPUR ARIFA | CJBPB6310E | MA | ENGLISH | Assistant Professor | 17-Aug-2015 | 17-Aug-2015 | Yes | Regular | | |
| 18 | MUMTAZ JAHAN | CFUPJ6541N | M.A,B.Ed | ENGLISH | Assistant Professor | 3-Oct-2020 | 3-Oct-2020 | Yes | Regular | | |

| S.No | Name | PAN No | Qualification | Area of Specialization | Designation | Date of Joining | Date on which Designated as Professor/Associate Professor | Currently Associated(Y/N) | Nature of Association(regular/Contract/Adjunct) | If contractual mention Full time or Part time | Date of Leaving(In case Currently Associated is "No") |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 19 | ASMA SADIAH | DVWPS3326H | M.A | POLITICAL SCIENCE | Assistant Professor | 3-Oct-2020 | 3-Oct-2020 | Yes | Regular | | |
| 20 | AZEEZA SHAHEEN | EXTPS2866E | MBA | MASTER OF BUSINESS ADMINISTRATION | Assistant Professor | 30-Jul-2013 | 30-Jul-2013 | Yes | Regular | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 21 | NISAR AHMED | AWGPA9273K | MBA | MASTER OF BUSINESS ADMINISTRATION | Associate Professor | 7-Apr-2014 | 4-Jun-2019 | Yes | Regular | | |
| 22 | MOHD ABDULSATTAR | GGPPS9177D | MBA | MASTER OF BUSINESS ADMINISTRATION | Assistant Professor | 21-Nov-2014 | 21-Nov-2014 | Yes | Regular | | |
| 23 | MUJEEBUDDIN | DISPM7737R | MBA | MASTER OF BUSINESS ADMINISTRATION | Assistant Professor | 25-Jun-2015 | 25-Jun-2015 | Yes | Regular | | |
| 24 | QIZER UNNISA | AFEPU2196L | MBA | MASTER OF BUSINESS ADMINISTRATION | Assistant Professor | 7-Jul-2015 | 7-Jul-2015 | Yes | Regular | | |
| 25 | KHAN FASIUDDIN | CIXPK6584J | MBA | MASTER OF BUSINESS ADMINISTRATION | Associate Professor | 4-Jul-2016 | 4-Jul-2016 | Yes | Regular | | |
| 26 | SAMEER MAJEED | BEJPM3945Q | MBA | MASTER OF BUSINESS ADMINISTRATION | Assistant Professor | 3-Oct-2020 | 3-Oct-2020 | Yes | Regular | | |
| 27 | MOHAMMED TOUFEEQ | ARPPT2500E | M.Tech | STRUCTURAL ENGINEERING | Assistant Professor | 14-Jul-2016 | 14-Jul-2016 | Yes | Regular | | |
| 28 | USAMA BIN AL AMOODI | BVAPA2167G | M.Tech | STRUCTURAL ENGINEERING | Assistant Professor | 1-Sep-2016 | 1-Sep-2016 | Yes | Regular | | |
| 29 | RAZA AHMED | AUUPK5809M | MS | HVAC | Assistant Professor | 7-Jan-2010 | 7-Jan-2010 | Yes | Regular | | |
| 30 | MD MUSHTAQ | ARQPA2573D | M.Tech | PRODUCTION ENGINEERING | Assistant Professor | 1-Mar-2016 | 1-Mar-2016 | Yes | Regular | | |
| 31 | RASHID AHMED SIDDIQUI | DCPPS8793J | M.Tech | CAD/CAM | Assistant Professor | 06-May-21 | | Yes | Regular | | |
| 32 | ZAHOORA ABID | AWSPA0264G | M.Tech | CSE | Assistant Professor | 15-Apr-2015 | 15-Apr-2015 | Yes | Regular | | |
| 33 | AIZAZ SULTANA | DXPPS0919M | M.Tech | CSE | Assistant Professor | 12-Nov-2016 | 12-Nov-2016 | Yes | Regular | | |
| 34 | SYEDA ARSHIA LATEEF | ANTPL0262B | M.Tech | CSE | Assistant Professor | 1-Jul-2017 | 1-Jul-2017 | Yes | Regular | | |
| 35 | UZMA HAROON | BCWPH4275F | M.Tech | COMPUTER SCIENCE | Assistant Professor | 12-Mar-2020 | 12-Mar-2020 | Yes | Regular | | |
| 36 | QAZI MOHAMMED ABDUL BASHEER | EXKPB3072C | M.Tech | IT | Associate Professor | 12-Mar-2020 | 12-Mar-2020 | Yes | Regular | | |
| 37 | FATIMA MOHAMMED | FDWPM4949E | M.E. | EEE | Assistant Professor | 1-Mar-2019 | 1-Mar-2019 | Yes | Regular | | |
| 38 | MAAZ AHMED | EPWPM0663A | M.Tech | EEE | Assistant Professor | 2-Jul-2018 | 2-Jul-2018 | Yes | Regular | | |
| 39 | NASEEB KHATOON | BNNPK9919F | M.E. | EEE | Assistant Professor | 29-Sep-2019 | 29-Sep-2019 | Yes | Regular | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 40 | MD IBRAHIM | DJYPM4701A | M.Tech | EEE/POWER ELECTRONICS & DRIVES | Assistant Professor | 3-Oct-2020 | 3-Oct-2020 | Yes | Regular | | |

# Department of HUMANITIES AND SCIENCES
# Faculty List – (AY:2020- 2021)

Institute Marks 5.00

| S.No | Name of the faculty member | PAN No. | Qualification | Date of Receiving Highest Degree | Area of Specialization | Designation | Date of joining | Teaching load (%) | | | Currently Associated (Yes / No) | Nature Of Association (Regular / Contract | Date Of leaving(In case Currently Associated is 'No') |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | CAY | CAYm1 | CAYm2 | | | |
| | | | | | | | | | | | Yes | Regular | |
| 1 | FARHEEN SULTANA | DAIPS7511F | M.Sc | 5/3/2007 | PURE MATHEMATICS | Associate Professor | 10/1/2009 | 100 | 100 | 100 | Yes | Regular | |
| 2 | M D OSMAN TOUFIQ | CGPPM7630D | M.Phil | 5/30/2007 | APPLIED MATHEMATICS | Associate Professor | 10/10/2016 | 100 | 100 | 100 | Yes | Regular | |
| 3 | QIZER UNNISA | AFEPU2196L | MBA | 6/16/2015 | MASTER OF BUSINESS ADMINISTRATION | Assistant Professor | 7/7/2015 | 100 | 100 | 100 | Yes | Regular | |
| 4 | AZEEZA SHAHEEN | EXTPS2866E | MBA | 8/15/2013 | MASTER OF BUSINESS ADMINISTRATION | Assistant Professor | 7/30/2013 | 100 | 100 | 100 | Yes | Regular | |
| 5 | NISAR AHMED | AWGPA9273K | MBA | 11/1/2010 | MASTER OF BUSINESS ADMINISTRATION | Associate Professor | 4/6/2014 | 100 | 100 | 100 | Yes | Regular | |
| 6 | MUJEEBUDDIN | DISPM7737R | MBA | 12/1/2012 | MASTER OF BUSINESS ADMINISTRATION | Assistant Professor | 6/25/2015 | 100 | 100 | 100 | Yes | Regular | |
| 7 | MOHD ABDULSATTAR | GGPPS9177D | MBA | 1/2/2012 | MASTER OF BUSINESS ADMINISTRATION | Assistant Professor | 11/21/2014 | 100 | 100 | 100 | Yes | Regular | |
| 8 | KHAN FASIUDDIN | CIXPK6584J | MBA | 7/18/2005 | MASTER OF BUSINESS ADMINISTRATION | Associate Professor | 4/7/2016 | 100 | 100 | 100 | Yes | Regular | |
| 9 | KHASIM ALI | AQWPK5922F | M.Sc. and PhD | 11/9/2016 | A Study on Surface Instailities in Newtonian andNN | Professor | 7/20/2017 | 100 | 100 | 100 | Yes | Regular | |
| 10 | BEGUM IMRANA | ATCPB2619R | M.Sc | 6/10/2014 | PURE MATHEMATICS | Assistant Professor | 7/1/2015 | 100 | 100 | 100 | Yes | Regular | |
| 11 | RAHEEMA SULTANA | MCIPS0005F | M.Sc | 5/22/2013 | PURE MATHEMATICS | Assistant Professor | 6/17/2015 | 100 | 100 | 100 | Yes | Regular | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | SABIHA KHATOON | CMBPK0479C | MA | 6/14/2006 | MASTER OF ART ENGLISH | Assistant Professor | 8/25/2009 | 100 | 100 | 100 | Yes | Regular | |
| 13 | ASIMA PARVEEN | CBAPP9085M | MA | 7/24/2013 | ENGLISH | Assistant Professor | 8/27/2014 | 100 | 100 | 100 | Yes | Regular | |
| 14 | BIJAPUR ARIFA | CJBPB6310E | MA | 6/24/2014 | ENGLISH | Assistant Professor | 8/17/2015 | 100 | 100 | 100 | Yes | Regular | |
| 15 | WAZIDA BEGAM | BNHPB4320B | M.Sc | 6/15/2011 | ORGANIC CHEMISTRY | Assistant Professor | 8/1/2011 | 100 | 100 | 100 | Yes | Regular | |
| 16 | SADIA NAUSHEEN | AGZPN1537G | M.Sc | 6/20/2012 | ORGANIC CHEMISTRY | Assistant Professor | 7/10/2013 | 100 | 100 | 100 | Yes | Regular | |
| 17 | MD JAWEED | APRPJ6036P | M.Sc | 9/29/2011 | CHEMISTRY | Assistant Professor | 3/10/2020 | 100 | 100 | 100 | Yes | Regular | |
| 18 | MOHAMMED ASADULLAH | ABLPA4490N | M.Sc. and PhD | 11/9/1982 | PHYSICS | Professor | 2/6/2017 | 100 | 100 | 100 | Yes | Regular | |
| 19 | MOHAMMED TOUFEEQ | ARPPT2500E | M.E/M.Tech | 9/11/1982 | STRUCTURAL ENGINEERING | Professor | | 100 | 100 | 100 | Yes | Regular | |
| 20 | USAMA BIN AL AMOODI | BVAPA2167G | M.E/M.Tech | 5-25-2015 | STRUCTURAL ENGINEERING | Assistant Professor | | 100 | 100 | 100 | Yes | Regular | |
| 21 | RAZA AHMED | AUUPK5809M | MS | 12/5/2000 | HVAC | Assistant Professor | 7/1/2010 | 100 | 100 | 100 | Yes | Regular | |
| 22 | MD MUSHTAQ | ARQPA2573D | M.E/M.Tech | 4/9/2012 | PRODUCTION ENGINEERING | Assistant Professor | 3/1/2016 | 100 | 100 | 100 | Yes | Regular | |
| 23 | KAUSAR FATIMA | ACZPF1666L | M.E/M.Tech | 11/22/2016 | CAD CAM | Associate Professor | 1/17/2017 | 100 | 100 | 100 | Yes | Regular | |
| 24 | AIZAZ SULTANA | DXPPS0919M | M.E/M.Tech | 11/9/2009 | CSE | Assistant Professor | 11/12/2010 | 100 | 100 | 100 | Yes | Regular | |
| 25 | SYEDA ARSHIA LATEEF | ANTPL0262B | M.E/M.Tech | 2/16/2017 | CSE | Associate Professor | 3/1/2017 | 100 | 100 | 100 | Yes | Regular | |
| 26 | ZAHOORA ABID | AWSPA0264G | M.E/M.Tech | 11/27/2014 | CSE | Associate Professor | 4/1/2015 | 100 | 100 | 100 | Yes | Regular | |
| 27 | FATIMA MOHAMMED | FDWPM4949E | M.E/M.Tech | 12/1/2018 | EEE | Assistant Professor | 1/3/2019 | 100 | 100 | 100 | Yes | Regular | |
| 28 | NASEEB KHAN | BNNPK9919F | M.E/M.Tech | 2/3/2012 | EEE | Assistant Professor | 9/29/2019 | 100 | 100 | 100 | Yes | Regular | |
| 29 | SHAIK AMER AHMED | HBMPS8856L | M.Sc | 9/1/2012 | PHYSICS | Assistant Professor | 3/10/2020 | 100 | 100 | 100 | Yes | Regular | |
| 30 | V ARUN KUMAR | ARZPV4100E | M.Sc | 4/4/2010 | PHYSICS | Assistant Professor | 3/10/2020 | 100 | 100 | 100 | Yes | Regular | |
| 31 | MD IBRAHIM | DJYPM4701A | M.Tech | 5/22/2014 | EEE/POWER ELECTRONICS & DRIVES | Assistant Professor | 3/10/2020 | 100 | 100 | 100 | Yes | Regular | |
| 32 | UZMA HAROON | BCWPH4275F | M.E/M.Tech | | IT | Assistant Professor | 4-17-2015 | 100 | 100 | 100 | Yes | Regular | |
| 33 | QAZI MOHAMMED ABDUL BASHEER | EXKPB3072C | M.Tech | 8/14/1999 | IT | Associate Professor | 3/10/2020 | 100 | 100 | 100 | Yes | Regular | |
| 34 | DR MIR MOAZAM ALI | ACQPM2695B | Msc,Ph.D | | CHEMISTRY | Professor | 11/10/2010 | 100 | 100 | 100 | Yes | Regular | |
| 35 | RIYAZ QURESHI | AAVPQ1033G | M.sc,B.Ed | 9/17/2016 | MATHS | Assistant Professor | 3/10/2020 | 100 | 100 | 100 | Yes | Regular | |
| 36 | RAJNIKANTH | BKAPT5106P | M.Sc | 6/5/2012 | PHYSICS | Assistant Professor | 3/10/2020 | 100 | 100 | 100 | Yes | Regular | |
| 37 | ASMA SADIA | DVWPS3326H | MA | 26/6/2004 | POLITICAL SCIENCE | Assistant Professor | 3/10/2020 | 100 | 100 | 100 | Yes | Regular | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 38 | SAMEER MAJEED | BEJPM3945Q | MBA | 2/4/2010 | MASTER OF BUSINESS ADMINISTRATION | Assistant Professor | 3/10/2020 | 100 | 100 | | Yes | Regular | |
| 39 | MUMTAZ JAHAN | CFUPJ6541N | M.A,B.Ed | 6/12/2009 | ENGLISH | Assistant Professor | 3/10/2020 | 100 | 100 | 100 | Yes | Regular | |
| 40 | MAAZ AHMED | EPWPM0663A | M.Tech | 12/1/2017 | EEE | Assistant Professor | 7/6/2018 | 100 | 100 | 100 | Yes | Regular | |

Please provideFirst year faculty information considering load for the particular program

| YEAR | N | F | (N/F) | |
|---|---|---|---|---|
| | Number Of Students (Approved Intake Strength) | Number of Faculty Members (Considering Fractional Load) | FYSFR | *Assessment = (5*20)/ FYSFR) (Limited to Max.5) |
| 2021-22(CAY) | 600 | 40 | 15 | 6.6 |
| 2020-21(CAYm1) | 600 | 40 | 15 | 6.6 |
| 2019-20(CAYm2) | 600 | 36 | 16.6 | 6.02 |
| 2018-19(CAYm3) | 600 | 34 | 17.6 | 5.68 |
| Average | 600 | 37.5 | 16.05 | 6.22 |

**8.2 Qualification of Faculty Teaching First Year Common Courses** (5) Total Marks 2.00 Institute Marks : 2.00

| Year | x (Number Of Regular Faculty with Ph.D) | y (Number Of Regular Faculty with Post Graduate Qualification) | RF (Number of Faculty Members Required as per SFR of 20:1 | Assessment Of Faculty Qualification; [(5x+3y)/RF] |
|---|---|---|---|---|
| 2021-22 | 3 | 37 | 30 | 4.2 |
| 2020-21 | 3 | 37 | 30 | 4.2 |
| 2019-20 | 4 | 32 | 30 | 3.8 |
| 2018-19 | 4 | 30 | 30 | 3.6 |
| Average | | | | 3.95 |

Average Assessment: 2.00

**8.3 First Year Academic Performance** (10) Total Marks 3.49

Institute Marks : 3.49

| **Academic Performance** | **2020-21** | **2019-20** | **2018-19** | **2017-18** |
|---|---|---|---|---|
| Mean of CGPA or mean percentage of all successful students(X) | 3.46 | 7.19 | 7.14 | 7.20 |
| Total Number of successful students(Y) | 52 | 56.00 | 78.00 | 76.00 |
| Total Number of students appeared in the examination(Z) | 52 | 107.00 | 157.00 | 174.00 |
| API [X*(Y/Z)] | 3.46 | 3.76 | 3.55 | 3.15 |

Average API[ (AP1+AP2+AP3)/3 ] : 4.77

Assessment [ 1.5 * Average API] : 4.77

**8.4 Attainment of Course Outcomes of first year courses** (10)

Scheme and Syllabus (Subject wise) is provided by the University. We have developed course outcomes using Bloom taxonomy and consequently assignments tests quiz practical and internal exams and projects are aligned to the COs addressing the same levels of Blooms Taxonomy. Generally 1st unit covers **Remembering level (BTL1) and CO1.** The 2nd unit and first half of 3rd Unit cover **understanding (BTL2) and CO2.** The remaining part of 3rd unit covers **applying level** and **analyzing level and CO3,** 4th and 5th unit covers **Evaluating** and **creating level and CO4.**

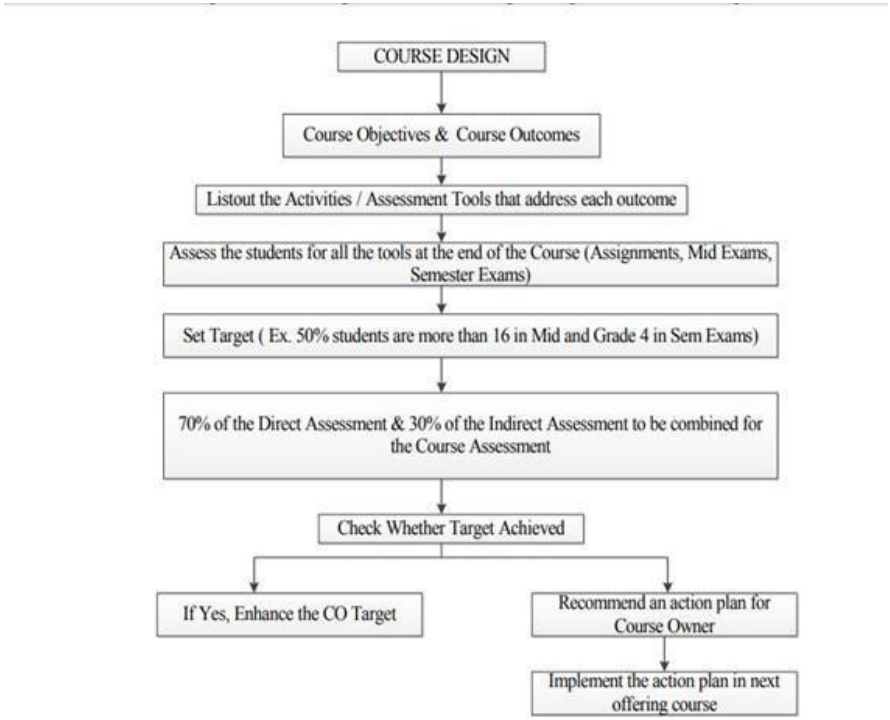
But it may vary from subject to subject whereas some subjects may cover only four level, some may five or all six levels. For evaluation of COs well defined statistical technique is used to map the question with the CO and mapping with the POs and PSOs. Since the question wise results of students from university are not available, analysis of CO with question is limited to internal examinations, assessment of lab practical, assignments, Quiz only.

Direct methods display the student's knowledge and skills from their performance in the continuous internal assessment tests, semester examinations and classroom and laboratory assignments etc. These methods provide a sampling of what students know or can do and provide strong evidence of student learning.

Indirect methods such as surveys will reflect on student's learning. They assess opinions or thoughts about the graduate's knowledge or skills and they are valued by different stakeholders.

| | |
|---|---|
| 2020-2021 | Two CIE Exams for maximum mark of 30 are conducted. The final internal marks are achieved by obtaining the average of both CIE exams. The performance of a student in internal assessment with respect to the CO's is recorded.<br>End semester University exam performance of students for the maximum mark of 70 is considered for external exam performance. The summation of these two performances is considered as cumulative assessment for a prescribed course out come<br>The laboratory assessment is evaluated for 75 marks. 75 marks are divided into 25 (INTERNAL) and 50 (EXTERNAL) |
| 2019-2020 | Two CIE Exams for maximum mark of 30 are conducted. The final internal marks are achieved by obtaining the average of both CIE exams. The performance of a student in internal assessment with respect to the CO's is recorded.<br>End semester University exam performance of students for the maximum mark of 70 is considered for external exam performance. The summation of these two performances is considered as cumulative assessment for a prescribed course out come<br>The laboratory assessment is evaluated for 75 marks. 75 marks are divided into 25 (INTERNAL) and 50 (EXTERNAL) |
| 2018-2019 | Two Mid Exams for maximum mark of 25 are conducted. The final internal marks are achieved by obtaining the average of both Mid exams. The performance of a student in internal assessment with respect to the CO's is recorded.<br>End semester University exam performance of students for the maximum mark of 75 is considered for external exam performance. The summation of these two performances is considered as cumulative assessment for a prescribed course out come<br>The laboratory assessment is evaluated for 75 marks. 75 marks are divided into 25 (INTERNAL) and 50 (EXTERNAL) |
| 2017-2018 | Two Mid Exams for maximum mark of 25 are conducted. The final internal marks are achieved by obtaining the average of both Mid exams. The performance of a student in internal assessment with respect to the CO's is recorded.<br>End semester University exam performance of students for the maximum mark of 75 is considered for external exam performance. The summation of these two performances is considered as cumulative assessment for a prescribed course out come<br>The laboratory assessment is evaluated for 75 marks. 75 marks are divided into 25 (INTERNAL) and 50 (EXTERNAL) |
| 2016-2017 | Two Mid Exams for maximum mark of 25 are conducted. The final internal marks are achieved by obtaining the average of both Mid exams. The performance of a student in internal assessment with respect to the CO's is recorded.<br>End semester University exam performance of students for the maximum mark of 75 is considered for external exam performance. The summation of these two performances is considered as cumulative assessment for a prescribed course out come<br>The laboratory assessment is evaluated for 75 marks. 75 marks are divided into 25 (INTERNAL) and 50 (EXTERNAL)<br>The internal assessment 25 is further divided into day to day performance – 10, record – 5 and internal examination-10. |

The following figure depicts the assessment processes used to gather the data upon which the evaluation of Course Outcomes of first year is obtained.



**8.4.2 Record the attainment of Course Outcomes of all first year courses** (5)

**COURSE TITLES**: Following are the course titles along with course code used in POs

Note: 1. C111, C112 indicative Courses for first year. First numeric digit indicates year of study, second digit indicates the semester and third digit indicates course number.

CAY:2018-19 Courses 1stSemester Course titles

| S. No. | COURSE NAME | COURSE CODE | SUBJECT CODE |
|---|---|---|---|
| 1 | Mathematics - I | C111 | MA101BS |
| 2 | Engineering Physics | C112 | PH102BS |
| 3 | Programming for Problem Solving | C113 | CS103ES |
| 4 | Engineering Graphics | C114 | ME104ES |
| 5 | Engineering Physics Lab | C115 | PH105BS |
| 6 | Programming for Problem Solving Lab | C116 | CS106ES |
| 7 | Environmental Science | C117 | MC109ES |

**CAY:2018-19 Courses: 2ndSemester Course Titles**

| S. No. | COURSE NAME | COURSE CODE | SUBJECT CODE |
|---|---|---|---|
| 1 | Mathematics - II | C121 | MA201BS |
| 2 | Chemistry | C122 | CH202BS |
| 3 | Engineering Mechanics | C123 | ME203ES |
| 4 | Engineering Workshop | C124 | ME205ES |
| 5 | English | C125 | EN205HS |
| 6 | Engineering Chemistry Lab | C126 | CH206BS |
| 7 | English Language and Communication Skills Lab | C127 | EN207HS |

**Course attainment for I Year –I Semester Examination: 2018-19**

| COURSE | ATTAINMENT VALUES |
|---|---|

| | |
|---|---|
| C111 | 2.81 |

| | |
|---|---|
| C112 | 1.23 |
| C113 | 1.23 |
| C114 | 1.23 |
| C115 | 2.81 |
| C116 | 2.81 |

**Course attainment for I Year - II Semester Examination: 2018 - 2019**

| COURSE | ATTAINMENT VALUES |
|---|---|
| C121 | 1.23 |
| C122 | 1.23 |
| C123 | 1.25 |
| C124 | 2.81 |
| C125 | 2.28 |
| C126 | 2.81 |
| C127 | 2.81 |

| COURSE CODE | SUBJECT NAME | CO1 | CO2 | CO3 | CO4 | CO(A) | CO(A) | CO(A) | CO(A) | AVG CO | AVG CO(A) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C111 | M-1 | 1.75 | 1.70 | 1.30 | 1.30 | 1.03 | 1.02 | 0.96 | 0.96 | 1.51 | 0.99 |
| C112 | CHEM | 1.40 | 1.67 | 1.67 | 1.75 | 1.57 | 1.61 | 1.61 | 1.62 | 1.62 | 1.60 |
| C113 | PPS | 1.89 | 2.00 | 2.00 | 2.29 | 2.83 | 3.00 | 2.70 | 3.00 | 3.00 | 0.51 |
| C114 | ES | 2.33 | 3.00 | 2.80 | 2.67 | 2.90 | 3.00 | 2.97 | 2.95 | 2.70 | 2.96 |
| C115 | CHEM LAB | 0.93 | 0.43 | 0.43 | 0.43 | 2.69 | 2.61 | 2.61 | 2.61 | 0.55 | 2.63 |
| C116 | PPS LAB | 1.89 | 2.00 | 2.00 | 2.29 | 2.25 | 2.25 | 2.25 | 2.25 | 1.89 | 2.83 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| C117 | WORKSHOP | 2.10 | 2.00 | 1.70 | 1.82 | 2.87 | 2.85 | 2.81 | 2.82 | 1.90 | 2.84 |
| C121 | ENGLISH | 1.64 | 1.60 | 1.58 | 1.11 | 2.80 | 2.54 | 2.79 | 2.21 | 1.48 | 2.58 |
| C122 | M-2 | 2.22 | 2.25 | 2.22 | 1.80 | 1.10 | 1.10 | 1.10 | 1.04 | 2.12 | 1.08 |
| C123 | EP | 1.00 | 1.25 | 1.33 | 0.79 | 0.92 | 0.95 | 0.97 | 0.88 | 1.09 | 0.93 |
| C124 | EM | 2.09 | 1.64 | 1.82 | 1.73 | 1.08 | 1.01 | 1.04 | 1.02 | 1.82 | 1.04 |
| C115 | ENG LAB | 1.60 | 1.58 | 1.11 | 1.50 | 2.15 | 2.15 | 2.08 | 2.14 | 1.45 | 2.13 |
| C116 | PHY LAB | 1.50 | 1.50 | 1.33 | 1.33 | 2.78 | 2.78 | 2.75 | 2.75 | 1.42 | 2.76 |
| C117 | EGD | 1.75 | 1.50 | 1.55 | 1.45 | 2.81 | 2.78 | 2.78 | 2.77 | 1.56 | 2.78 |

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DEPARTMENT OF CIVIL ENGINEERING

B.E. I YEAR, I/II SEM - **ATTAINMENT CALCULATIONS** - Academic Year: **2020-21**

Subject: CHEMISTRY | Subject Code: BS105CH | Faculty: MS. WAJEEDA

| S.No. | Hall Ticket No. | CIE - 1 | | | | | | | | | | | ` | | | | | | | | | | CIE | | SEE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ASG-1 (5M) | ASG-2 (5 M) | Part-1 Q1-abcd (6 M) | | Q 2 (7 M) | Q 3 (7 M) | BEST OF Q2&Q3 C01 | Q 4 (7 M) | Q 5 (7 M) | BEST OF Q4&Q5 C02 | CIE-1 TOTAL (30 M) | ASG-1 (5M) | ASG-2 (5 M) | Part-1 Q1abcd (6 M) | | Q 2 (7 M) | Q 3 (7 M) | BEST OF Q2&Q3 C03 | Q 4 (7 M) | Q 5 (7 M) | BEST OF Q4&Q5 C04 | CIE-2 TOTAL (30 M) | Average CIE | TOTAL Marks | End Exam |
| | | C01 | C02 | C01 | C02 | CO1 | CO1 | C01 | CO2 | CO2 | C02 | | C03 | C04 | C03 | C04 | CO3 | CO3 | C03 | CO4 | CO4 | C04 | | (30 M) | (100 M) | (70 M) |
| 1 | 161020732001 | 5 | 5 | 3 | 3 | 7 | | 7 | 7 | | 7 | 30 | 5 | 5 | 3 | 3 | | 7 | 7 | 7 | | 7 | 30 | 30 | 69 | 39 |
| 2 | 161020732002 | 5 | 5 | 3 | 3 | | | 0 | | | | 16 | 5 | 5 | 3 | 3 | | 7 | 7 | 4 | | 4 | 27 | 22 | 39 | 18 |
| 3 | 161020732003 | 5 | 5 | 1 | 1 | | 1 | 1 | 6 | | 6 | 19 | 5 | 5 | 3 | 3 | | 6 | 6 | 5 | | 5 | 27 | 23 | 39 | 16 |
| 4 | 161020732004 | 5 | 5 | 3 | 2 | 3 | | 3 | | | | 18 | 5 | 5 | 3 | 2 | | 7 | 7 | 7 | | 7 | 29 | 24 | 59 | 36 |
| 5 | 161020732005 | 5 | 5 | 2 | 1 | 3 | | 3 | 2 | | 2 | 18 | 4 | | 3 | 3 | | 7 | 7 | 7 | | 7 | 24 | 21 | ab | 21 |
| 6 | 161020732006 | 5 | 5 | 1 | 2 | 1 | | 1 | 4 | | 4 | 18 | 5 | 5 | 3 | 3 | | 7 | 7 | 5 | | 5 | 28 | 23 | 39 | 16 |
| 7 | 161020732007 | 5 | 5 | | | | | 0 | | | | 10 | 5 | 5 | 3 | 3 | 6 | | 6 | | 7 | 7 | 29 | 20 | 39 | 20 |
| 8 | 161020732008 | 5 | 5 | 3 | 3 | 6 | | 6 | 7 | | 7 | 29 | 5 | 5 | 3 | 3 | | 7 | 7 | 7 | | 7 | 30 | 30 | 39 | 10 |
| 9 | 161020732009 | 5 | 5 | 1 | 2 | 1 | | 1 | 7 | | 7 | 21 | 5 | 5 | 3 | 3 | | 7 | 7 | | 7 | 7 | 30 | 26 | 59 | 34 |
| 10 | 161020732010 | 5 | 5 | | 1 | | 3 | 3 | | | | 14 | 5 | 5 | | 2 | 7 | | 7 | | 7 | 7 | 26 | 20 | 39 | 19 |
| 11 | 161020732011 | 5 | 5 | 3 | 2 | | | 0 | | | | 15 | 5 | 5 | 3 | 3 | 4 | | 4 | | 2 | 2 | 22 | 19 | 39 | 21 |
| 12 | 161020732012 | 5 | 5 | 1 | 2 | 4 | | 4 | 7 | | 7 | 24 | 5 | 5 | 3 | 3 | | 7 | 7 | 7 | | 7 | 30 | 27 | 69 | 42 |

Activate Windows

| SEE (End Exam) CO Wise Percentage | | |
|---|---|---|
| C01-C04 | 28.08 | 46.15 |

**SEE - CO Wise Percentage**

C01-C04 = End Exam Avg Marks

**SEE - CO Wise Percentage**

C01-C04 % = (End Exam Avg Marks/70)*100

| CO ATTAINMENT | Internal Marks % | Internal Attainment | External Marks % | External Attainment | DIRECT ATTAINM |
|---|---|---|---|---|---|
| CO1 | 76 | 3 | 46.15 | 1 | 1.6 |
| CO2 | 85 | 3 | 46.15 | 1 | 1.6 |
| CO3 | 96 | 3 | 46.15 | 1 | 1.6 |
| CO4 | 93 | 3 | 46.15 | 1 | 1.6 |
| Average | | | | | 1.6 |

**INTERNAL EXAM ATTAINMENT LEVEL**

| Attainment Levels | | |
|---|---|---|
| | 0 | <=49 |
| | 1 | 50-59 |
| | 2 | 60-69 |
| | 3 | >=70 |

**EXTERNAL EXAM / FINAL ATTAINMENT**

| Attainment Levels | | |
|---|---|---|
| | 0 | <=39 |
| | 1 | 40-49 |
| | 2 | 50-59 |
| | 3 | >=60 |

**Direct Attainment %**

C01=(CO1IntAtn*0.30+CO1ExtAtn*0.70)
C02=(CO2IntAtn*0.30+CO2ExtAtn*0.70)
C03=(CO3IntAtn*0.30+CO3ExtAtn*0.70)
C04=(CO4IntAtn*0.30+CO4ExtAtn*0.70)

**CO-PO Matrix**

| Course | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | | Attainment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CO1 | 3 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | | 1.6 |
| CO2 | 1 | 2 | 3 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | | 1.6 |
| CO3 | 1 | 0 | 2 | 1 | 2 | 2 | 3 | 1 | 0 | 0 | 0 | 2 | 0 | 1 | | 1.6 |
| CO4 | 1 | 0 | 2 | 0 | 0 | 3 | 3 | 1 | 0 | 0 | 0 | 1 | 1 | 2 | | 1.6 |
| Average | 1.5 | 1.5 | 2.3333 | 1 | 2 | 2.5 | 2.25 | 1 | 0 | 0 | 1 | 1.3333 | 1 | 1.5 | | 1.6 |

**Final Attainment %**

C01 = (DIRECT ATTAINMENT*0.8) + (INDIRECT ATTAINMENT*0.2)
C02 = (DIRECT ATTAINMENT*0.8) + (INDIRECT ATTAINMENT*0.2)
C03 = (DIRECT ATTAINMENT*0.8) + (INDIRECT ATTAINMENT*0.2)
C04 = (DIRECT ATTAINMENT*0.8) + (INDIRECT ATTAINMENT*0.2)

**Course PO Attainments**

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Direct Attainment | 0.8 | 0.8 | 1.2444 | 0.5333 | 1.0667 | 1.3333 | 1.2 | 0.5333 | 0 | 0 | 0.5333 | 0.7111 | 0.5333 | 0.8 | |
| Indirect Attainment | 1.2 | 1.2 | 1.4222 | 1.0667 | 1.3333 | 1.4667 | 1.4 | 1.0667 | 0.8 | 0.8 | 1.0667 | 1.1556 | 1.0667 | 1.2 | |
| Final Attainment | 0.88 | 0.88 | 1.28 | 0.64 | 1.12 | 1.36 | 1.24 | 0.64 | 0.16 | 0.16 | 0.64 | 0.8 | 0.64 | 0.88 | |

**PO ATTAINMENTS**

DIRECT ATTAINMENT (PO1)= (Average of PO1*Average of CO Direct Attainment)/3
Similar for PO2 TO PO12 & PSO1 TO PSO3
INDIRECT ATTAINMENT IS OBTAINED FROM COURSE EXIT SURVEY
FINAL ATTAINMENT = (DIR ATNM-PO1)*0.8 + (INDIR ATNM-PO1)*0.2

| Average Marks | 5.00 | 5.00 | 2.20 | 2.19 | 3.32 | 4.32 | 4.18 | 5.55 | 0.00 | 5.55 | 20.87 | 4.98 | 5.00 | 2.88 | 2.87 | 6.28 | 6.66 | 6.54 | 6.23 | 5.70 | 6.02 | 27.90 | 24.38 | 53.29 | 28.08 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

**CIE (Mid Exam) CO Wise Percentage**

| COURSE OUTCOME | CO Wise Sum | CO Wise Percentage % |
|---|---|---|
| C01 | 11.39 | 75.93 |
| C02 | 12.74 | 84.96 |
| C03 | 14.40 | 96.01 |
| C04 | 13.89 | 92.57 |
| Average | 13.10 | 87.37 |

**CIE - CO Wise Sum Formula**

C01 = ASG(C01) + Q1(C01) + BestOfQ2&Q3(C01)
C02 = ASG(C02) + Q1(C02) + BestOfQ4&Q5(C02)
C03 = ASG(C03) + Q1(C03) + BestOfQ2&Q3(C03)
C04 = ASG(C04) + Q1(C04) + BestOfQ4&Q5(C04)

**CIE - CO Wise Percentage**

C01 % = {C01 SUM/total C01 Marks(15)}*100
C02 % = {C02 SUM/total C02 Marks(15)}*100
C03 % = {C03 SUM/total C03 Marks(15)}*100
C04 % = {C04 SUM/total C04 Marks(15)}*100

| Average Marks | 28.08 |
|---|---|
| tudent Count >Avg | 24 |
| Total Students | 52 |
| Percentage | 46.1538 |


| SEE (End Exam) CO Wise Percentage | | |
|---|---|---|
| C01-C04 | 28.08 | 46.15 |

**SEE - CO Wise Percentage**

C01-C04 = End Exam Avg Marks

**SEE - CO Wise Percentage**

C01-C04 % = (End Exam Avg Marks/70)*100

| CO ATTAINMENT | Internal Marks % | Internal Attainment | External Marks % | External Attainment | DIRECT ATTAINM |
|---|---|---|---|---|---|
| CO1 | 76 | 3 | 46.15 | 1 | 1.6 |
| CO2 | 85 | 3 | 46.15 | 1 | 1.6 |
| CO3 | 96 | 3 | 46.15 | 1 | 1.6 |
| CO4 | 93 | 3 | 46.15 | 1 | 1.6 |
| Average | | | | | 1.6 |

**INTERNAL EXAM ATTAINMENT LEVEL**

| Attainment Levels | | |
|---|---|---|
| | 0 | <=49 |
| | 1 | 50-59 |
| | 2 | 60-69 |
| | 3 | >=70 |

**EXTERNAL EXAM / FINAL ATTAINMENT**

| Attainment Levels | | |
|---|---|---|
| | 0 | <=39 |
| | 1 | 40-49 |
| | 2 | 50-59 |
| | 3 | >=60 |

**Direct Attainment %**

C01=(CO1IntAtn*0.30+CO1ExtAtn*0.70)
C02=(CO2IntAtn*0.30+CO2ExtAtn*0.70)
C03=(CO3IntAtn*0.30+CO3ExtAtn*0.70)
C04=(CO4IntAtn*0.30+CO4ExtAtn*0.70)

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DEPARTMENT OF CIVIL ENGINEERING

B.E. I YEAR, I/I SEM - ATTAINMENT CALCULATIONS - Academic Year: 2019-20

Subject: MATHEMATICS-I | Subject Code: BS102MT | Faculty: Dr. KHASIM ALI

| S.No. | Hall Ticket No. | CIE - 1 | | | | | | | | | | | CIE - 2 | | | | | | | | | | CIE | | SEE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | ASG-1 (5M) | ASG-2 (5 M) | Part-1 Q1-abcd (6 M) | | Q 2 (7 M) | Q 3 (7 M) | BEST OF Q2&Q3 | Q 4 (7 M) | Q 5 (7 M) | BEST OF Q4&Q5 | CIE-1 TOTAL (30 M) | ASG-1 (5M) | ASG-2 (5 M) | Part-1 Q1abcd (6 M) | | Q 2 (7 M) | Q 3 (7 M) | BEST OF Q2&Q3 | Q 4 (7 M) | Q 5 (7 M) | BEST OF Q4&Q5 | CIE-2 TOTAL (30 M) | Average CIE | TOTAL Marks | End Exam |
| | | CO1 | CO2 | CO1 | CO2 | CO1 | CO1 | CO1 | CO2 | CO2 | CO2 | | CO3 | CO4 | CO3 | CO4 | CO3 | CO3 | CO3 | CO4 | CO4 | CO4 | | (30 M) | (100 M) | (70 M) |
| 1 | 161019732001 | 5 | 5 | 1 | 1 | 1 | | 1 | 1 | | 1 | 14 | 5 | 5 | 0 | 1 | 1 | | 1 | 2 | | 2 | 14 | 14 | 39 | 25 |
| 2 | 161019732002 | 5 | 5 | 3 | 3 | 7 | | 7 | 4 | | 4 | 27 | 5 | 5 | 3 | 3 | 4 | | 4 | 7 | | 7 | 27 | 27 | 49 | 22 |
| 3 | 161019732003 | 5 | 5 | 3 | 3 | 7 | | 7 | 1 | | 1 | 24 | 5 | 5 | 3 | 3 | | 4 | 4 | 4 | | 4 | 24 | 24 | 39 | 15 |
| 4 | 161019732004 | 5 | 5 | 3 | 3 | | 6 | 6 | | 6 | 6 | 28 | 5 | 5 | 3 | 3 | 6 | | 6 | | 6 | 6 | 28 | 28 | 49 | 21 |
| 5 | 161019732005 | 5 | 5 | 2 | 2 | | 4 | 4 | 2 | | 2 | 20 | 5 | 5 | 2 | 2 | | 4 | 4 | 2 | | 2 | 20 | 20 | 39 | 19 |
| 6 | 161019732006 | 5 | 5 | 1 | 1 | | 4 | 4 | | 1 | 1 | 17 | 5 | 5 | 1 | 1 | | 4 | 4 | | 1 | 1 | 17 | 17 | 39 | 22 |
| 7 | 161019732007 | 5 | 5 | 3 | 3 | 4 | | 4 | 2 | | 2 | 22 | 5 | 5 | 3 | 3 | 4 | | 4 | 2 | | 2 | 22 | 22 | 39 | 17 |
| 8 | 161019732008 | 5 | 5 | 2 | 2 | | 2 | 2 | | 2 | 2 | 18 | 5 | 5 | 2 | 2 | | 2 | 2 | | 2 | 2 | 18 | 18 | 39 | 21 |
| 9 | 161019732009 | 5 | 5 | 3 | 3 | 4 | | 4 | 6 | | 6 | 26 | 5 | 5 | 3 | 3 | 4 | | 4 | 6 | | 6 | 26 | 26 | 39 | 13 |
| 10 | 161019732010 | 3 | 3 | 2 | 2 | | 1 | 1 | | 0 | 0 | 11 | 3 | 3 | 3 | 1 | | 1 | 1 | | 0 | 0 | 11 | 11 | 39 | 28 |
| 11 | 161019732011 | 5 | 5 | 2 | 2 | 2 | | 2 | 2 | | 2 | 18 | 5 | 5 | 2 | 2 | 2 | | 2 | 2 | | 2 | 18 | 18 | 39 | 21 |
| 12 | 161019732012 | 2 | 2 | 2 | 2 | | 2 | 2 | | 2 | 2 | 12 | 2 | 2 | 2 | 2 | | 2 | 2 | | 2 | 2 | 12 | 12 | 39 | 27 |
| 13 | 161019732013 | 5 | 5 | 3 | 3 | 6 | | 6 | 5 | | 5 | 27 | 5 | 5 | 3 | 3 | 6 | | 6 | 6 | | 6 | 28 | 28 | 59 | 32 |
| 14 | 161019732014 | 1 | 1 | 2 | 2 | 2 | | 2 | | 3 | 3 | 11 | 2 | 2 | 2 | 2 | | 1 | 1 | | 2 | 2 | 11 | 11 | 39 | 28 |
| 15 | 161019732015 | 5 | 5 | 2 | 2 | | 1 | 1 | 1 | | 1 | 16 | 5 | 5 | 1 | 1 | | 2 | 2 | 2 | | 2 | 16 | 16 | 39 | 23 |
| 16 | 161019732016 | 5 | 5 | 2 | 2 | 1 | | 1 | | 2 | 2 | 17 | 5 | 5 | 1 | 1 | 2 | | 2 | | 3 | 3 | 17 | 17 | 39 | 22 |
| 17 | 161019732017 | 5 | 5 | 2 | 2 | | 1 | 1 | 2 | | 2 | 17 | 5 | 5 | 1 | 1 | | 2 | 2 | 3 | | 3 | 17 | 17 | 39 | 22 |
| 18 | 161019732018 | 5 | 5 | 3 | 3 | 4 | | 4 | | 5 | 5 | 25 | 5 | 5 | 3 | 3 | 4 | | 4 | | 5 | 5 | 25 | 25 | 49 | 24 |
| 19 | 161019732019 | 5 | 5 | 2 | 2 | | 2 | 2 | 4 | | 4 | 20 | 5 | 5 | 2 | 2 | | 4 | 4 | 2 | | 2 | 20 | 20 | 49 | 29 |
| 20 | 161019732020 | 3 | 3 | 3 | 3 | 3 | | 3 | | 3 | 3 | 18 | 3 | 3 | 3 | 3 | | 3 | 3 | | 3 | 3 | 18 | 18 | 39 | 21 |
| 21 | 161019732021 | 5 | 5 | 2 | 2 | | 1 | 1 | 1 | | 1 | 16 | 5 | 5 | 1 | 1 | | 2 | 2 | 2 | | 2 | 16 | 16 | 39 | 23 |
| 22 | 161019732022 | 5 | 5 | 3 | 3 | 4 | | 4 | | 4 | 4 | 24 | 5 | 5 | 3 | 3 | 4 | | 4 | | 4 | 4 | 24 | 24 | 59 | 35 |
| 23 | 161019732023 | 5 | 5 | 3 | 3 | | 7 | 7 | | 6 | 6 | 29 | 5 | 5 | 3 | 3 | | 7 | 7 | 6 | | 6 | 29 | 29 | 49 | 20 |
| 24 | 161019732024 | 5 | 5 | 2 | 2 | 1 | | 1 | 2 | | 2 | 17 | 5 | 5 | 2 | 2 | 1 | | 1 | | 2 | 2 | 17 | 17 | 39 | 22 |
| 25 | 161019732025 | 5 | 5 | 2 | 2 | | 1 | 1 | | 2 | 2 | 17 | 5 | 5 | 2 | 2 | | 2 | 2 | 1 | | 1 | 17 | 17 | 39 | 22 |
| 26 | 161019732026 | 5 | 5 | 3 | 3 | 4 | | 4 | 4 | | 4 | 24 | 5 | 5 | 3 | 3 | 4 | | 4 | | 4 | 4 | 24 | 24 | 39 | 15 |
| 27 | 161019732027 | 5 | 5 | 3 | 3 | | 4 | 4 | | 4 | 4 | 24 | 5 | 5 | 3 | 3 | | 4 | 4 | 4 | | 4 | 24 | 24 | 39 | 15 |
| 28 | 161019732028 | 5 | 5 | 3 | 3 | 4 | | 4 | 5 | | 5 | 25 | 5 | 5 | 3 | 3 | 4 | | 4 | 5 | | 5 | 25 | 25 | 39 | 14 |
| 29 | 161019732029 | 5 | 5 | 3 | 3 | | 7 | 7 | 5 | | 5 | 28 | 5 | 5 | 3 | 3 | | 7 | 7 | | 5 | 5 | 28 | 28 | 59 | 31 |
| 30 | 161019732030 | 5 | 5 | 3 | 3 | 4 | | 4 | | 5 | 5 | 25 | 5 | 5 | 3 | 3 | 4 | | 4 | 5 | | 5 | 25 | 25 | 49 | 24 |
| 31 | 161019732031 | 5 | 5 | 2 | 2 | 4 | | 4 | 1 | | 1 | 19 | 5 | 5 | 2 | 2 | | 4 | 4 | | 1 | 1 | 19 | 19 | 69 | 50 |
| 32 | 161019732032 | 5 | 5 | 3 | 3 | 6 | | 6 | | 6 | 6 | 28 | 5 | 5 | 3 | 3 | 6 | | 6 | 6 | | 6 | 28 | 28 | 49 | 21 |
| 33 | 161019732033 | 2 | 2 | 2 | 2 | 2 | | 2 | 3 | | 3 | 13 | 5 | 5 | 1 | 1 | | | 0 | | 1 | 1 | 13 | 13 | 39 | 26 |
| 34 | 161019732034 | 2 | 2 | 2 | 2 | 2 | | 2 | | 2 | 2 | 12 | 2 | 2 | 2 | 2 | | 2 | 2 | 2 | | 2 | 12 | 12 | 49 | 37 |
| 35 | 161019732035 | 5 | 5 | 2 | 2 | | 1 | 1 | 1 | | 1 | 16 | 5 | 5 | 2 | 2 | 1 | | 1 | | 1 | 1 | 16 | 16 | 39 | 23 |
| 36 | 161019732036 | 2 | 2 | 2 | 2 | 2 | | 2 | | 2 | 2 | 12 | 2 | 2 | 2 | 2 | | 2 | 2 | 2 | | 2 | 12 | 12 | 39 | 27 |
| 37 | 161019732037 | 2 | 2 | 2 | 2 | 2 | | 2 | 2 | | 2 | 12 | 2 | 2 | 2 | 2 | 2 | | 2 | | 2 | 2 | 12 | 12 | 39 | 27 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 37 | 161019732037 | 2 | 2 | 2 | 2 | 2 | | 2 | 2 | | 2 | 12 | 2 | 2 | 2 | 2 | 2 | | 2 | | 2 | 2 | 12 | 12 | 39 | 27 |
| 38 | 161019732038 | 5 | 5 | 3 | 3 | 6 | | 6 | | 4 | 4 | 26 | 5 | 5 | 3 | 3 | 6 | | 6 | 4 | | 4 | 26 | 26 | 69 | 43 |
| 39 | 161019732039 | 3 | 3 | 3 | 3 | | 3 | 3 | 4 | | 4 | 19 | 3 | 3 | 3 | 3 | | 3 | 3 | | 4 | 4 | 19 | 19 | 39 | 20 |
| 40 | 161019732040 | 4 | 4 | 2 | 2 | 2 | | 2 | | 2 | 2 | 16 | 3 | 3 | 2 | 2 | 4 | | 4 | 2 | | 2 | 16 | 16 | 39 | 23 |
| 41 | 161019732041 | 5 | 5 | 3 | 3 | 7 | | 7 | 5 | | 5 | 28 | 5 | 5 | 3 | 3 | 6 | | 6 | | 6 | 6 | 28 | 28 | 39 | 11 |
| 42 | 161019732042 | 5 | 5 | 3 | 3 | | 6 | 6 | | 4 | 4 | 26 | 5 | 5 | 3 | 3 | | 4 | 4 | 6 | | 6 | 26 | 26 | 49 | 23 |
| 43 | 161019732043 | 5 | 5 | 3 | 3 | 7 | | 7 | 6 | | 6 | 29 | 5 | 5 | 3 | 3 | 7 | | 7 | | 6 | 6 | 29 | 29 | 49 | 20 |
| 44 | 161019732044 | 5 | 5 | 3 | 3 | | 7 | 7 | | 6 | 6 | 29 | 5 | 5 | 3 | 3 | | 7 | 7 | 6 | | 6 | 29 | 29 | 49 | 20 |
| 45 | 161019732045 | 5 | 5 | 3 | 3 | 6 | | 6 | | | 0 | 22 | 5 | 5 | 3 | 3 | 4 | | 4 | | 2 | 2 | 22 | 22 | 39 | 17 |
| 46 | 161019732046 | 3 | 3 | 2 | 2 | | 3 | 3 | 2 | | 2 | 15 | 2 | 2 | 2 | 2 | | 4 | 4 | 3 | | 3 | 15 | 15 | 39 | 24 |
| 47 | 161019732047 | 5 | 5 | 3 | 3 | 4 | | 4 | | 2 | 2 | 22 | 5 | 5 | 2 | 2 | 6 | | 6 | | 2 | 2 | 22 | 22 | 39 | 17 |
| 48 | 161019732049 | 5 | 5 | 3 | 3 | | 6 | 6 | 6 | | 6 | 28 | 5 | 5 | 3 | 3 | | 6 | 6 | 6 | | 6 | 28 | 28 | 49 | 21 |
| 49 | 161019732050 | 5 | 5 | 3 | 3 | 6 | | 6 | | 5 | 5 | 27 | 5 | 5 | 3 | 3 | 6 | | 6 | | 5 | 5 | 27 | 27 | 39 | 12 |
| 50 | 161019732051 | 5 | 5 | 3 | 3 | | 2 | 2 | 5 | | 5 | 23 | 5 | 5 | 3 | 3 | | 4 | 4 | 3 | | 3 | 23 | 23 | 39 | 16 |
| 51 | 161019732052 | 5 | 5 | 2 | 2 | 6 | | 6 | | 2 | 2 | 22 | 5 | 5 | 2 | 2 | 6 | | 6 | | 2 | 2 | 22 | 22 | 39 | 17 |
| 52 | 161019732053 | 2 | 2 | 2 | 2 | | 2 | 2 | 4 | | 4 | 14 | 2 | 2 | 2 | 2 | 2 | | 2 | 4 | | 4 | 14 | 14 | 39 | 25 |
| 53 | 161019732054 | 5 | 5 | 3 | 3 | 4 | | 4 | 4 | | 4 | 24 | 5 | 5 | 3 | 3 | | 4 | 4 | | 4 | 4 | 24 | 24 | 39 | 15 |
| 54 | 161019732055 | 5 | 5 | 3 | 3 | | 4 | 4 | | 2 | 2 | 22 | 5 | 5 | 3 | 3 | 4 | | 4 | 2 | | 2 | 22 | 22 | 39 | 17 |
| 55 | 161019732056 | 5 | 5 | 3 | 3 | 7 | | 7 | 7 | | 7 | 30 | 5 | 5 | 3 | 3 | | 7 | 7 | | 7 | 7 | 30 | 30 | 49 | 19 |
| 56 | 161019732057 | 5 | 5 | 3 | 3 | 4 | | 4 | | 7 | 7 | 27 | 5 | 5 | 3 | 3 | 4 | | 4 | 7 | | 7 | 27 | 27 | 79 | 52 |
| 57 | 161019732058 | 5 | 5 | 3 | 3 | | 4 | 4 | 3 | | 3 | 23 | 5 | 5 | 3 | 3 | | 4 | 4 | | 3 | 3 | 23 | 23 | 39 | 16 |
| 58 | 161019732059 | 5 | 5 | 3 | 3 | 2 | | 2 | | 3 | 3 | 21 | 5 | 5 | 3 | 3 | 2 | | 2 | 3 | | 3 | 21 | 21 | 39 | 18 |
| 59 | 161019732060 | 5 | 5 | 2 | 2 | | 2 | 2 | 2 | | 2 | 18 | 5 | 5 | 2 | 2 | | 2 | 2 | | 2 | 2 | 18 | 18 | 39 | 21 |
| 60 | 161019732061 | 5 | 5 | 3 | 3 | 2 | | 2 | 5 | | 5 | 23 | 5 | 5 | 3 | 3 | 4 | | 4 | 3 | | 3 | 23 | 23 | 39 | 16 |
| 61 | 161019732062 | 5 | 5 | 3 | 3 | | 4 | 4 | | 4 | 4 | 24 | 5 | 5 | 3 | 3 | | 4 | 4 | | 4 | 4 | 24 | 24 | 39 | 15 |
| 62 | 161019732063 | 5 | 5 | 3 | 3 | 7 | | 7 | 7 | | 7 | 30 | 5 | 5 | 3 | 3 | 7 | | 7 | 7 | | 7 | 30 | 30 | 89 | 59 |
| 63 | 161019732064 | 5 | 5 | 2 | 2 | | 4 | 4 | 4 | | 4 | 22 | 5 | 5 | 2 | 2 | | 6 | 6 | | 2 | 2 | 22 | 22 | 39 | 17 |
| 64 | 161019732065 | 5 | 5 | 3 | 3 | 4 | | 4 | | 5 | 5 | 25 | 5 | 5 | 3 | 3 | 4 | | 4 | 5 | | 5 | 25 | 25 | 39 | 14 |
| 65 | 161019732066 | 5 | 5 | 3 | 3 | | 6 | 6 | 4 | | 4 | 26 | 5 | 5 | 3 | 3 | | 6 | 6 | | 4 | 4 | 26 | 26 | 69 | 43 |
| 66 | 161019732067 | 5 | 5 | 3 | 3 | 4 | | 4 | | 5 | 5 | 25 | 5 | 5 | 3 | 3 | 4 | | 4 | 5 | | 5 | 25 | 25 | 39 | 14 |
| 67 | 161019732068 | 5 | 5 | 3 | 3 | | 2 | 2 | 1 | | 1 | 19 | 5 | 5 | 3 | 3 | | 1 | 1 | | 2 | 2 | 19 | 19 | 39 | 20 |
| 68 | 161019732069 | 3 | 3 | 3 | 3 | | | 0 | | 3 | 3 | 15 | 3 | 3 | | 3 | 3 | | 3 | 3 | | 3 | 15 | 15 | 39 | 24 |
| 69 | 161019732070 | 5 | 5 | 3 | 3 | 4 | | 4 | 6 | | 6 | 26 | 5 | 5 | 3 | 3 | | 4 | 4 | | 6 | 6 | 26 | 26 | 39 | 13 |
| 70 | 161019732071 | 5 | 5 | 3 | 3 | | 4 | 4 | | 5 | 5 | 25 | 5 | 5 | 3 | 3 | 4 | | 4 | 5 | | 5 | 25 | 25 | 59 | 34 |
| 71 | 161019732072 | 3 | 3 | 3 | 3 | | | 0 | 3 | | 3 | 15 | 3 | 3 | 3 | | | 3 | 3 | | 3 | 3 | 15 | 15 | 39 | 24 |
| 72 | 161019732073 | 5 | 5 | 3 | 3 | 4 | | 4 | | 5 | 5 | 25 | 5 | 5 | 3 | 3 | 4 | | 4 | 5 | | 5 | 25 | 25 | 59 | 34 |
| 73 | 161019732074 | 5 | 5 | 3 | 2 | | 2 | 2 | 2 | | 2 | 19 | 5 | 5 | 3 | 2 | | 1 | 1 | | 3 | 3 | 19 | 19 | 49 | 30 |
| 74 | 161019732076 | 5 | 5 | 3 | 3 | | 1 | 1 | | 2 | 2 | 19 | 5 | 5 | 2 | 1 | 2 | | 2 | 4 | | 4 | 19 | 19 | 39 | 20 |
| 75 | 161019732077 | 5 | 5 | 3 | 3 | 4 | | 4 | | | 0 | 20 | 5 | 5 | 3 | 3 | | 2 | 2 | | 2 | 2 | 20 | 20 | 39 | 19 |
| 76 | 161019732078 | 5 | 5 | 2 | 2 | | 2 | 2 | | 3 | 3 | 19 | 5 | 5 | 2 | 2 | 2 | | 2 | 3 | | 3 | 19 | 19 | 39 | 20 |
| 77 | 161019732079 | 4 | 4 | 2 | 2 | 2 | | 2 | 2 | | 2 | 16 | 5 | 5 | | 2 | | 2 | 2 | | 2 | 2 | 16 | 16 | 39 | 23 |
| 78 | 161019732080 | 5 | 5 | 3 | 3 | 4 | | 4 | | 4 | 4 | 24 | 5 | 5 | 3 | 3 | 4 | | 4 | 4 | | 4 | 24 | 24 | 39 | 15 |
| 79 | 161019732081 | 5 | 5 | 3 | 3 | | 4 | 4 | 2 | | 2 | 22 | 5 | 5 | 3 | 3 | | 4 | 4 | | 2 | 2 | 22 | 22 | 39 | 17 |
| 80 | 161019732082 | 5 | 5 | 3 | 3 | 7 | | 7 | | 5 | 5 | 28 | 5 | 5 | 3 | 3 | 6 | | 6 | 6 | | 6 | 28 | 28 | 49 | 21 |
| 81 | 161019732083 | 3 | 3 | | 3 | | 3 | 3 | 3 | | 3 | 15 | 3 | 3 | | 3 | | 3 | 3 | | 3 | 3 | 15 | 15 | 39 | 24 |
| 82 | 161019732084 | 5 | 5 | 3 | 3 | 4 | | 4 | | 5 | 5 | 25 | 5 | 5 | 3 | 3 | 4 | | 4 | 5 | | 5 | 25 | 25 | 49 | 24 |
| 83 | 161019732085 | 4 | 4 | 2 | | 2 | | 2 | 4 | | 4 | 16 | 5 | 5 | 2 | 2 | | 1 | 1 | | 1 | 1 | 16 | 16 | 39 | 23 |
| 84 | 161019732086 | 5 | 5 | 3 | 3 | 6 | | 6 | | 5 | 5 | 27 | 5 | 5 | 3 | 3 | 6 | | 6 | 5 | | 5 | 27 | 27 | 49 | 22 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 83 | 161019732085 | 4 | 4 | 2 | | 2 | | 2 | 4 | | 4 | 16 | 5 | 5 | 2 | 2 | | 1 | 1 | | 1 | 1 | 16 | 16 | 39 | 23 |
| 84 | 161019732086 | 5 | 5 | 3 | 3 | 6 | | 6 | | 5 | 5 | 27 | 5 | 5 | 3 | 3 | 6 | | 6 | 5 | | 5 | 27 | 27 | 49 | 22 |
| 85 | 161019732087 | 5 | 5 | 3 | 3 | | 7 | 7 | 7 | | 7 | 30 | 5 | 5 | 3 | 3 | | 7 | 7 | | 7 | 7 | 30 | 30 | 69 | 39 |
| 86 | 161019732088 | 5 | 5 | 3 | 3 | 6 | | 6 | | 2 | 2 | 24 | 5 | 5 | 3 | 3 | 4 | | 4 | 4 | | 4 | 24 | 24 | 49 | 25 |
| 87 | 161019732089 | 5 | 5 | 3 | 3 | | 7 | 7 | | 7 | 7 | 30 | 5 | 5 | 3 | 3 | | 7 | 7 | | 7 | 7 | 30 | 30 | 49 | 19 |
| 88 | 161019732090 | 5 | 5 | 3 | 3 | 4 | | 4 | 2 | | 2 | 22 | 5 | 5 | 3 | 3 | 4 | | 4 | 2 | | 2 | 22 | 22 | 39 | 17 |
| 89 | 161019732091 | 5 | 5 | 3 | 3 | | 4 | 4 | | 1 | 1 | 21 | 5 | 5 | 3 | 3 | | 4 | 4 | | 1 | 1 | 21 | 21 | 39 | 18 |
| 90 | 161019732092 | 3 | 3 | 3 | | 3 | | 3 | 3 | | 3 | 15 | 3 | 3 | | 3 | | 3 | 3 | 3 | | 3 | 15 | 15 | 39 | 24 |
| 91 | 161019732093 | 3 | 3 | | 3 | | 3 | 3 | | 3 | 3 | 15 | 3 | 3 | 3 | | 3 | | 3 | | 3 | 3 | 15 | 15 | 39 | 24 |
| 92 | 161019732094 | 5 | 5 | 3 | 3 | 4 | | 4 | 2 | | 2 | 22 | 5 | 5 | 3 | 3 | | 4 | 4 | 2 | | 2 | 22 | 22 | 39 | 17 |
| 93 | 161019732095 | 5 | 5 | 2 | 2 | | 2 | 2 | | 1 | 1 | 17 | 5 | 5 | 2 | 2 | 2 | | 2 | | 1 | 1 | 17 | 17 | 39 | 22 |
| 94 | 161019732096 | 3 | 3 | | 3 | | 3 | 3 | 3 | | 3 | 15 | 3 | 3 | 3 | | | 3 | 3 | 3 | | 3 | 15 | 15 | 39 | 24 |
| 95 | 161019732097 | 5 | 5 | 3 | 3 | 4 | | 4 | | 2 | 2 | 22 | 5 | 5 | 3 | 3 | 4 | | 4 | | 2 | 2 | 22 | 22 | 39 | 17 |
| 96 | 161019732098 | 5 | 5 | 2 | 2 | | 2 | 2 | | | 0 | 16 | 5 | 5 | 3 | 3 | | | 0 | | | 0 | 16 | 16 | 39 | 23 |
| 97 | 161019732099 | 5 | 5 | 2 | | | | 0 | 2 | | 2 | 14 | 5 | 5 | | 2 | | | 0 | 2 | | 2 | 14 | 14 | 39 | 25 |
| Average Marks | | 4.54 | 4.54 | 2.63 | 2.64 | 4.08 | 3.40 | 3.66 | 3.35 | 3.53 | 3.33 | 21.16 | 4.58 | 4.58 | 2.58 | 2.53 | 3.98 | 3.60 | 3.67 | 3.86 | 3.09 | 3.45 | 21.18 | 21.17 | 44.15 | 22.98 |

| CIE (Mid Exam) CO Wise Percentage | | |
|---|---|---|
| COURSE OUTCOME | CO Wise Sum | CO Wise Percentage % |
| CO1 | 10.82 | 72.16 |
| CO2 | 10.50 | 70.03 |
| CO3 | 10.82 | 72.16 |
| CO4 | 10.56 | 70.42 |
| Average | 10.68 | 71.19 |

| CIE - CO Wise Sum Formula |
|---|
| C01 = ASG(C01) + Q1(C01) + BestOfQ2&Q3(C01) |
| C02 = ASG(C02) + Q1(C02) + BestOfQ4&Q5(C02) |
| C03 = ASG(C03) + Q1(C03) + BestOfQ2&Q3(C03) |
| C04 = ASG(C04) + Q1(C04) + BestOfQ4&Q5(C04) |

| CIE - CO Wise Percentage |
|---|
| C01 % = {C01 SUM/total C01 Marks(15)}*100 |
| C02 % = {C02 SUM/total C02 Marks(15)}*100 |
| C03 % = {C03 SUM/total C03 Marks(15)}*100 |
| C04 % = {C04 SUM/total C04 Marks(15)}*100 |

| SEE (End Exam) CO Wise Percentage | | |
|---|---|---|
| C01-C04 | 22.98 | 32.84 |

| SEE - CO Wise Percentage |
|---|
| C01-C04 = End Exam Avg Marks |

| SEE - CO Wise Percentage |
|---|
| C01-C04 % = (End Exam Avg Marks/70)*100 |

| CO ATTAINMENT | Internal Marks % | Internal Attainment | External Marks % | External Attainment | DIRECT ATTAINMENT LEVEL | Indirect Attainment | ATTAINMENT LEVEL |
|---|---|---|---|---|---|---|---|
| CO1 | 72 | 3 | 32.84 | 0 | 0.9 | 1.64 | 1.05 |
| CO2 | 70 | 3 | 32.84 | 0 | 0.9 | 1.78 | 1.08 |
| CO3 | 72 | 3 | 32.84 | 0 | 0.9 | 2 | 1.12 |
| CO4 | 70 | 3 | 32.84 | 0 | 0.9 | 1.2 | 0.96 |
| Average | | | | | | | 1.0525 |

| EXTERNAL EXAM / FINAL ATTAINMENT LEVEL SCALE | | |
|---|---|---|
| Attainment Levels | [0] | <=39 |
| | 1 | 40-49 |
| | 2 | 50-59 |
| | 3 | >=60 |

| INTERNAL EXAM ATTAINMENT LEVEL SCALE | | |
|---|---|---|
| Attainment Levels | [-] | <=49 |
| | 1 | 50-59 |
| | 2 | 60-69 |
| | 3 | >=70 |

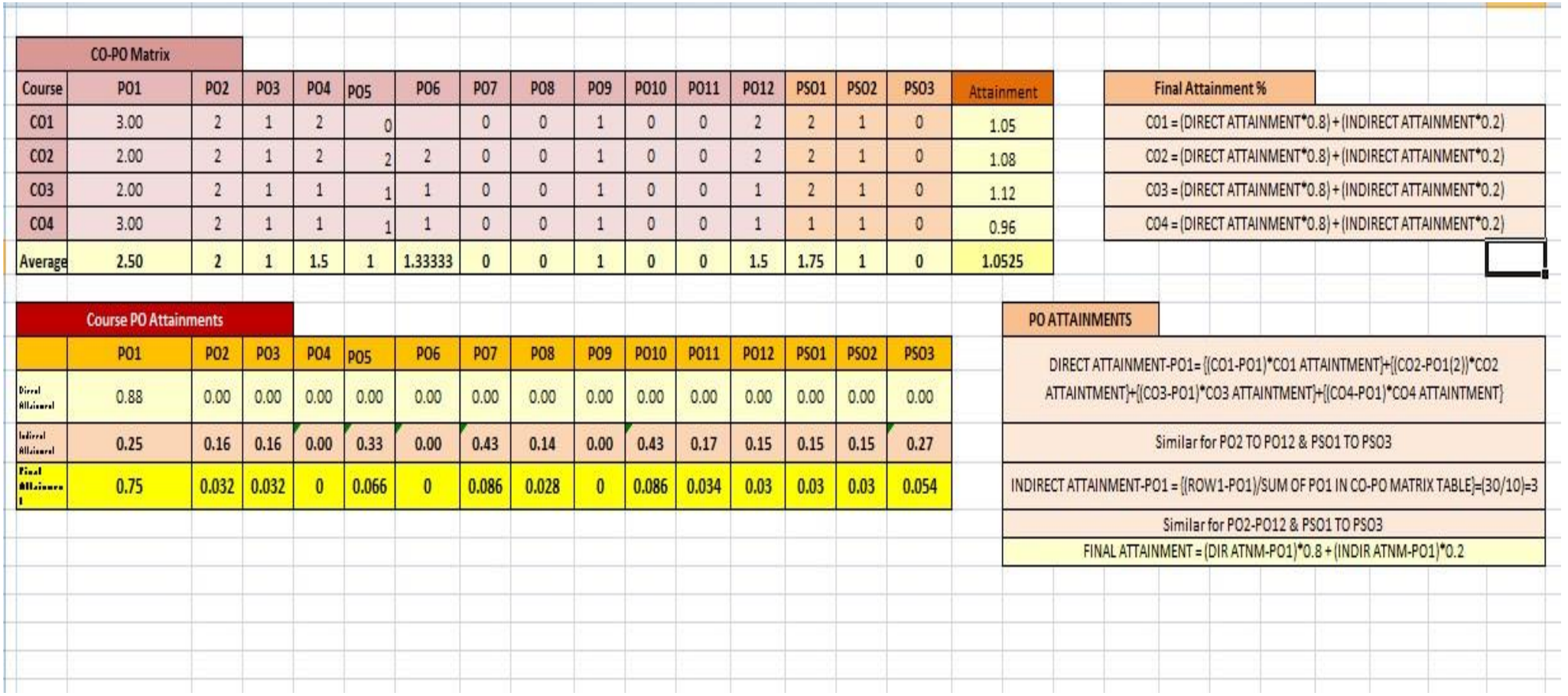
| Direct Attainment % |
|---|
| 01=(CO1IntAtn*0.30+CO1ExtAtn*0.7 |
| 02=(CO2IntAtn*0.30+CO2ExtAtn*0.7 |
| 03=(CO3IntAtn*0.30+CO3ExtAtn*0.7 |
| 04=(CO4IntAtn*0.30+CO4ExtAtn*0.7 |

| CO-PO Matrix | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Course | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | PSO3 | Attainment |
| CO1 | 3.00 | 2 | 1 | 2 | 0 | | 0 | 0 | 1 | 0 | 0 | 2 | 2 | 1 | 0 | 1.05 |
| CO2 | 2.00 | 2 | 1 | 2 | 2 | 2 | 0 | 0 | 1 | 0 | 0 | 2 | 2 | 1 | 0 | 1.08 |
| CO3 | 2.00 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 1 | 0 | 1.12 |
| CO4 | 3.00 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0.96 |
| Average | 2.50 | 2 | 1 | 1.5 | 1 | 1.33333 | 0 | 0 | 1 | 0 | 0 | 1.5 | 1.75 | 1 | 0 | 1.0525 |

| Final Attainment % |
|---|
| C01 = (DIRECT ATTAINMENT*0.8) + (INDIRECT ATTAINMENT*0.2) |
| C02 = (DIRECT ATTAINMENT*0.8) + (INDIRECT ATTAINMENT*0.2) |
| C03 = (DIRECT ATTAINMENT*0.8) + (INDIRECT ATTAINMENT*0.2) |
| C04 = (DIRECT ATTAINMENT*0.8) + (INDIRECT ATTAINMENT*0.2) |

Course PO Attainments

PO ATTAINMENTS



CO-PO Matrix

| Course | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | PSO3 | Attainment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CO1 | 3.00 | 2 | 1 | 2 | 0 | | 0 | 0 | 1 | 0 | 0 | 2 | 2 | 1 | 0 | 1.05 |
| CO2 | 2.00 | 2 | 1 | 2 | 2 | 2 | 0 | 0 | 1 | 0 | 0 | 2 | 2 | 1 | 0 | 1.08 |
| CO3 | 2.00 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 1 | 0 | 1.12 |
| CO4 | 3.00 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0.96 |
| Average | 2.50 | 2 | 1 | 1.5 | 1 | 1.33333 | 0 | 0 | 1 | 0 | 0 | 1.5 | 1.75 | 1 | 0 | 1.0525 |

Final Attainment %

| |
|---|
| CO1 = (DIRECT ATTAINMENT*0.8) + (INDIRECT ATTAINMENT*0.2) |
| CO2 = (DIRECT ATTAINMENT*0.8) + (INDIRECT ATTAINMENT*0.2) |
| CO3 = (DIRECT ATTAINMENT*0.8) + (INDIRECT ATTAINMENT*0.2) |
| CO4 = (DIRECT ATTAINMENT*0.8) + (INDIRECT ATTAINMENT*0.2) |

Course PO Attainments

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | PSO3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Direct Attainment | 0.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Indirect Attainment | 0.25 | 0.16 | 0.16 | 0.00 | 0.33 | 0.00 | 0.43 | 0.14 | 0.00 | 0.43 | 0.17 | 0.15 | 0.15 | 0.15 | 0.27 |
| Final Attainment | 0.75 | 0.032 | 0.032 | 0 | 0.066 | 0 | 0.086 | 0.028 | 0 | 0.086 | 0.034 | 0.03 | 0.03 | 0.03 | 0.054 |

PO ATTAINMENTS

| |
|---|
| DIRECT ATTAINMENT-PO1= {(CO1-PO1)*CO1 ATTAINTMENT}+{(CO2-PO1(2))*CO2 ATTAINTMENT}+{(CO3-PO1)*CO3 ATTAINTMENT}+{(CO4-PO1)*CO4 ATTAINTMENT} |
| Similar for PO2 TO PO12 & PSO1 TO PSO3 |
| INDIRECT ATTAINMENT-PO1 = {(ROW1-PO1)/SUM OF PO1 IN CO-PO MATRIX TABLE}=(30/10)=3 |
| Similar for PO2-PO12 & PSO1 TO PSO3 |
| FINAL ATTAINMENT = (DIR ATNM-PO1)*0.8 + (INDIR ATNM-PO1)*0.2 |

**8.5 Attainment of Program Outcomes from first year courses** (20) Total Marks 20.00

**8.5.1 Indicate results of evaluation of ezch relevant PO and/ or PSO, if applicable** (15) Institute Marks : 15.00

**POs Attainment:**

| Course | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C111 | 2.33 | 1.87 | 0.93 | 1.16 | 0.93 | 0.93 | 0.93 | 0.93 | 1.40 | 0.93 | 1.40 | 1.16 |
| C112 | 1.23 | 0.92 | 1.23 | 0 | 1.02 | 0 | 0.82 | 0 | 0 | 0.41 | 0 | 0 |
| C113 | 0.82 | 0.82 | 0.82 | 0 | 1.02 | 0.41 | 0.82 | 0 | 0 | 0 | 0.61 | 0.82 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C114 | 1.12 | 0.68 | 0.61 | 0.41 | 0 | 0 | 0 | 0.41 | 1.02 | 1.23 | 0.41 | 0.92 |
| C115 | 2.81 | 0.93 | 0.93 | 0 | 0 | 2.81 | 1.40 | 0 | 1.40 | 1.24 | 0.93 | 2.81 |
| C116 | 2.81 | 0.94 | 0.94 | 0 | 0 | 2.81 | 1.41 | 0 | 1.41 | 1.25 | 0.94 | 2.81 |
| C121 | 1.02 | 0.82 | 0.41 | 0.51 | 0.41 | 0.41 | 0.41 | 0.61 | 0.61 | 0.41 | 0.61 | PO12 |
| C122 | 0.82 | 0.82 | 0.82 | 0 | 1.02 | 0.41 | 0.82 | 0 | 0 | 0 | 0.61 | 0.82 |
| C123 | 1.03 | 0.83 | 0.41 | 0.51 | 0.41 | 0.41 | 0.41 | 0.41 | 0.62 | 0.62 | 0.41 | 0.62 |
| C124 | 2.81 | 0.94 | 0.94 | 0 | 0 | 2.81 | 1.41 | 0 | 1.41 | 1.25 | 0.94 | 2.81 |
| C125 | 2.28 | 1.14 | 0.76 | 0.76 | 0.76 | 2.28 | 0.76 | 1.33 | 1.52 | 0.95 | 0.76 | 1.01 |
| C126 | 2.81 | 0.93 | 0.03 | 0 | 0 | 2.81 | 1.40 | 0 | 1.40 | 1.24 | 0.93 | 2.81 |
| C127 | 1.87 | 1.40 | 0.93 | 0.93 | 0 | 1.87 | 0.93 | 1.63 | 1.87 | 2.57 | 0.93 | 1.63 |

**PO Attainment Level**

| **Course** | **PO1** | **PO2** | **PO3** | **PO4** | **PO5** | **PO6** | **PO7** | **PO8** | **PO9** | **PO10** | **PO11** | **PO12** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Direct Attainment | 1.83 | 1.00 | 0.75 | 0.71 | 0.80 | 1.63 | 0.96 | 0.89 | 1.27 | 1.10 | 0.79 | 1.66 |
| CO Attainment | 1.83 | 1.00 | 0.75 | 0.71 | 0.80 | 1.63 | 0.96 | 0.89 | 1.27 | 1.10 | 0.79 | 1.66 |

**PSOs Attainment:**

| **Course** | **PSO1** | **PSO2** |
|---|---|---|
| C111 | 1.16 | 1.16 |
| C112 | 0.82 | 0.82 |
| C113 | 0.41 | 0.41 |
| C114 | 0.71 | 0.61 |
| C115 | 0 | 0 |
| C116 | 0 | 0 |

| | | |
|---|---|---|
| C121 | 0.51 | 0.51 |
| C122 | 0.41 | 0.41 |
| C123 | 0.51 | 0.51 |
| C124 | 0 | 0 |
| C125 | 1.01 | 1.9 |
| C126 | 0 | 0 |
| C127 | 1.24 | 2.34 |

**PSO Attainment Level**

| Course | PSO1 | PSO2 |
|---|---|---|
| Direct Attainment | 0.75 | 0.96 |
| CO Attainment | 0.75 | 0.96 |

**8.5.1 Actions taken based on the results of evaluation of relevant POs** (5) Institute Marks : 5.00

**POs Attainment Levels and Actions for Improvement- (2018-19)**

| POs | Target Level | Attainment Level | Observations |
|---|---|---|---|
| **PO 1 : Engineering Knowledge** | | | |
| PO 1 | 1.5 | 1.83 | Projected target was achieved. |
| Before the semester basics were explained in induction programme and students are motivated to participate in tech-fest and industrial visits. | | | |
| **PO 2 : Problem Analysis** | | | |
| PO 2 | 1.5 | 1.0 | Projected target was NOT achieved. |
| Analytical and mathematical subjects were taught with more examples and solved more tutorial problems. | | | |

**PO 3 : Design/development of Solutions**

| | | | |
|---|---|---|---|
| PO 3 | 1.5 | 0.75 | Projected target was not achieved. |
| Recent trends in industries were discussed and ICT based teaching were conducted to make simple to understand the subject and solve complex problems. | | | |

**PO 4 : Conduct Investigations of Complex Problems**

| | | | |
|---|---|---|---|
| PO 4 | 1.5 | 0.71 | Projected target was not achieved. |
| 1. Students were encouraged to participate in seminars /conferences to develop the knowledge and recent research problems. 2. Guest lecture on data analytics in CLOUD ENVIRONMENT was conducted by prof.P.V Sudha H.od,csed,O.U | | | |

**PO 5 : Modern Tool Usage**

| | | | |
|---|---|---|---|
| PO 5 | 1.5 | 0.80 | Projected target was not achieved. |
| 1. Complex topics in subjects are taught by software tools like MATLAB to make simple to understand specified topics. 2. Students are motivated to prepare there projects with software tools to reduce complexity of experiments and model developments. | | | |

**PO 6 : The Engineer and Society**

| | | | |
|---|---|---|---|
| PO 6 | 1.5 | 1.63 | Projected target was achieved. |
| Additional classes were conducted for weak students. | | | |

**PO 7 : Environment and Sustainability**

| | | | |
|---|---|---|---|
| PO 7 | 1.5 | 0.96 | Projected target was not achieved. |
| 1. Economic amd environmental solutions,background based projects were executed for final year. 2. NPTEL video lectures on field related subjects were conducted. | | | |

**PO 8 : Ethics**

| | | | |
|---|---|---|---|
| PO 8 | 1.5 | 0.89 | Projected target was not achieved. |

1. Classes related to professional ethics and gender sensitization were conducted as per plan during the respective periods to enrich ethical moralities and exhibit high degree of professionalism. 2. Personality development classes were conducted by Placement and training cell.

**PO 9 : Individual and Team Work**

| | | | |
|---|---|---|---|
| PO 9 | 1.5 | 1.27 | Projected target was not achieved. |

1. Industrial visit was organized to Infosys on 31-8-2019. 2. Students are motivated to participate and encouraged to attend the various extra curricular activities. 3. Students are grouped to develop the academic final year and mini projects,the team or group efforts was monitored by conducting the reviews.

**PO 10 : Communication**

| | | | |
|---|---|---|---|
| PO 10 | 1.5 | 1.10 | Projected target was not achieved. |

1. Classes related to communication skills were conducted as per plan during the respective periods. 2. Seminars and projects reviews related to latest engineering topics were conducted in respective subjects. 3. Professional communication in English and English language communication skills lab,subjects were developed in communication skills.

**PO 11 : Project Management and Finance**

| | | | |
|---|---|---|---|
| PO 11 | 1.5 | 0.79 | Projected target was not achieved. |

1. Motivating the students projects that are developed as a team or individual. 2. Motivating the students to develop the product based projects and support the society.

**PO 12 : Life-long Learning**

| | | | |
|---|---|---|---|
| PO 12 | 1.5 | 1.66 | Projected target was achieved. |

Motivated and conducted awareness classes regarding the higher education,entrance examinations were conducted.

**PSOs Attainment Levels and Actions for Improvement- (2018-19)**

| PSOs | Target Level | Attainment Level | Observations |
|---|---|---|---|
| **PSO 1 : To plan, perform analysis, design, estimate and execute all kinds of Civil Engineering Projects.** | | | |
| PSO 1 | 1.5 | 0.75 | Projected target was not achieved. |
| 1.Additional classes to be conducted to introduce data structures concepts. 2.More computer organization to be taught in tutorial classes. | | | |
| **PSO 2 : To adopt latest technologies and use modern techniques, so as to execute projects efficiently and effectively.** | | | |
| PSO 2 | 1.5 | 0.96 | Projected target was not achieved. |
| 1.More problems will be given for practise. | | | |

9. STUDENT SUPPORT SYSTEMS (50) Total Marks 50.00

• **Mentoring system to help at individual level** (5) Total Marks 5.00

Institute Marks : 5.00

**9.1 STUDENTS MENTORING SYSTEM: -**

NSAKCET is working towards enhancing the educational culture to better serve the needs of vibrant learning community. Effective mentoring begins with the faculty. When it comes to academic success and persistence, there should be a healthy relationship among faculty members and students thus mentoring system come into picture .An effective Student mentoring system (SMS) has already been implemented in our college. All the students of the college are coming under this system from the date of joining the college.

| | |
|---|---|
| Number of Faculty Mentors | 22 |
| Number of Students per Mentors | 20 |
| Frequency of Meeting | Twice per Semester |

A batch of 20 students will be allotted to each faculty who will act as a mentor to the students till their graduation. The frequency of meeting is twice in a semester or as and when required. The proctor files are maintained by the faculty which gives the complete academic details of the students. Mentoring includes improving the performance in the course work, student's attendance, encouraging them to attend conferences, workshops, participation in extracurricular activities, career guidance and any other problems faced by the students. A Mentoring File has been distributed to all the respective Mentors of the college. Faculties will have a meeting with the students periodically and their

Academic progress and all his activities are discussed and maintained in the file.Any discrepancies in the student Behavior ,Attendance, Marks etc will be questioned and will be counseled with care. Staff will be submitting the file to the high level Mentoring /Counseling Member like HoD. The HoD will scrutinize case by case and suggest corrective measure.

***Description of Mentoring System***

| S.NO | Type of Mentoring System | Functions |
|---|---|---|
| 1 | Professional Guidance | Motivate Students to expand their knowledge to participate in several Technical Activities. |
| 2 | Career Advancement | Encourage Students to participated in Certified courses like CISCO<br>Provide Career guidance & workshops apart from soft-skills training provided by Training & Placement Cell |
| 3 | Course Work Specific | Identify Academically slow learner students & provide them with reading material & remedial classes. |
| 4 | Laboratory Specific | Encourage students to perform the experiments beyond the curriculum.<br>Support the students to have repetition of Experiments<br>Students are advised to utilized the lab to carryout mini project/project etc. |
| 5 | All round development | To Encourage the students to learn Team Work, leadership & motivate them to participate in sports & cultural Activities Encourage and motivate the students to participate in social & environmental cause, NSS, Yoga Day. |

The mentoring helped the students in identifying their weakness and aided in improving their technical and non-technical skills. The visible outcome of such counseling was observed in improvement of Marks, Attendance, Behavior, participation in various technical activities like Industrial Visit, Workshops, Seminars and also in extracurricular activities.

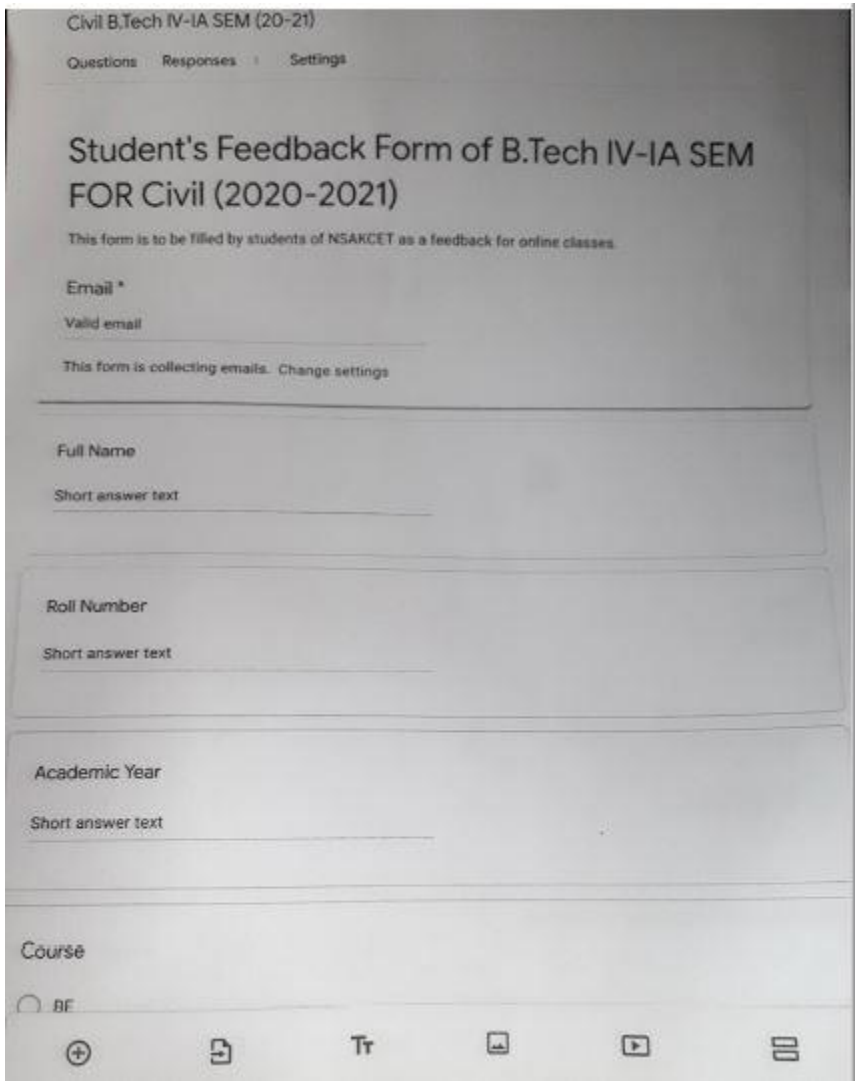
**Efficiency of Mentoring System :**

NSAKCET has Training & Placement Cell that conducts Training and Placement activities**.** The faculty member associated with T&P Cell interact with students and counsel them on higher education and also organize seminars, workshops delivered by experts. Periodically Campus Recruitment Training (CRT) classes are conducted for enhancing their analytical, mathematical and communication skills.

Establishment of the above stated mentoring system has help us in the following ways

1. Enhanced the teaching learning process to be more student centric.
2. Created a positive learning environment.
3. Helped the students learn to take better control of his or her career.
4. Provided impartial advice and encouragement to students.
5. Developed a supportive relationship between students and staff .
6. Assisted with problem solving and Improved self-confidence of students.
7. The CIE Performance and Semester end Exam performance of students has improved.
8. Obtained gradual improvement in attendance percentage of students.
9. Was able to provide individual and personal care to the students with the help of Mentors.
10. Information gathering and dissemination was easy.

**9.2** Feedback analysis and reward /corrective measures taken, if any (10)


Civil B.Tech IV-IA SEM (20-21)

Questions Responses Settings

Student's Feedback Form of B.Tech IV-IA SEM FOR Civil (2020-2021)

This form is to be filled by students of NSAKCET as a feedback for online classes

Email *

Valid email

This form is collecting emails. Change settings

Full Name

Short answer text

Roll Number

Short answer text

Academic Year

Short answer text

Course

BE

**A. <u>METHODOLOGY BEING FOLLOWED FOR ANALYSIS OF FEEDBACK AND ITS EFFECTIVENESS</u>:**

Firstly observation by making rounds to the department wise classes has been done on the daily basis by the HOD ‘s and principal during classes whether the faculty is on time in the class and on students ,whether they are approaching exact on time and also about the behavior of students and faculty during classes.

Feedback from the students is taken either by online or in written format or by orally about the performance of faculty for all the courses such as the course objectives and outcomes of subject are well defined and making clear to students, whether the class is in discipline during lecture, students getting interest in that respective subjects and so on., with these types of questions feedback has been concerned. Twice in semester, feedback has been taking to evaluate the subject knowledge, teaching skills and all overall performance on parameters in a 5 point scale.

Later, the feedback is analyzed and will be evaluated on a score of 100 and the copy of the feedback is shared to the respective faculty for further necessary corrective actions. Based on the score, the faculty is required to attend the counseling sessions conducted by Head of the Department and Principal.

**Class monitoring:**

Monitoring is also done through Class Work Review Committees (CWRC) to assess the uniformity in syllabus coverage, and also the quality of teaching. Annual reviews are conducted on detailed self-appraisal forms to evaluate the performance on teaching, research and other performance related parameters. The quality of course material, assignments and question papers prepared by the faculty are assessed internally and suitable suggestions are given.

**Percentage of Students who participate:**

Students has been given written forms as well as informed in the class to visit the site for online feedback in the class hours. Students having overall attendance of more

than 75% can participate to give feedback and 80% of the students in total strength of the class should be present while taking the feedback. The below fig 9.2.1 gives

you about the syllabus coverage form sample collected from the students:



NAWAB SHAH ALAM KHAN COLLEGE OF ENGINEERING AND TECHNOLOGY

Department of Computer Science & Engineering

Syllabus Coverage

Class Coordinator

HOD

Vice Principal(Acad.)

PRINCIPAL

Fig: 9.2.1 Syllabus Coverage Form

The below Fig 9.2.2 gives the feedback from the students which show the attributes/indices that will be considered and the rating given by the students:

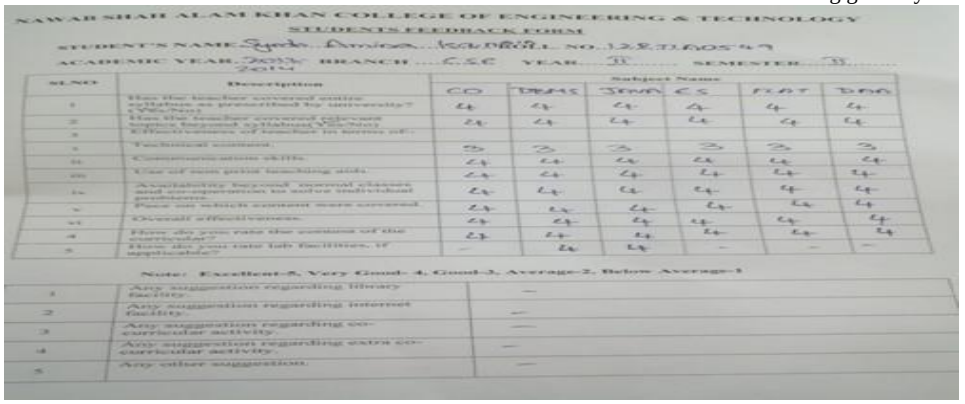



Fig 9.2.2 Feedback

Taken from the Student The below Fig 9.2.3 gives the Online feedback from the students which show the attributes/indices that will be considered and the rating given by the students:

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z | AA | AB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Timestamp | Email Address | Programme | Specialization | Year | Semester | 1.The faculty covers the entire syllabus | The teacher possess es in depth knowledg | The teacher commu nicates clearly | 1.The faculty is punctual engages the class for the full | 2.The teacher provides guidance counsels g in | 3.The teacher encour ages particip ation | 4.The teacher uses modern teaching aids/gadg | 5.The teacher pays attentio n to academi | 6.The faculty relates the course material | 7.The faculty's attitude toward the | 1. Periodical assessments were | 2.The faculty was fair and unbias ed in | 3.Overall Rating of the Teacher in my view the | How often do you visit the | Are you satisfied with the available Reading space in | Are the Library Staff co-operative and helpful | Do you get facilities in laboratori es during practicals | Is the Departmental office helping in administrative matters | Are there enough clean class rooms available in the | Any suggestions: | Name of the Student | Roll Number |
| 2 | 10/27/2018 12:52:15 | | UG | CSE | II | i | Agree | Agree | Neutral | Agree | trongly Agre | Strongl | Neutral | Agree | Agree | Agree | Agree | Agree | Agree | Regul | Yes | Yes | Yes | Yes | Yes | NEED | huda khan | 17RT1A0503 |
| 3 | 10/29/2018 12:28:11 | | UG | IT | I | i | Agree | rongly agr | Agree | Strongly | trongly Agre | Strongl | Neutral | Strongly | rongly Agr | Agree | ongly Ag | ongly Ag | ongly ag | rongly Agre | Occa | Yes | Yes | Yes | Yes | Yes | It's a | SYED OMAIR UL | 16RT1A1252 |
| 4 | 10/29/2018 13:29:56 | | UG | IT | I | i | Strongly | rongly agr | Agree | Strongly | Agree | Agree | Neutral | Agree | Agree | Agree | ongly Ag | ongly Ag | ongly ag | rongly Agre | Occa | Yes | Yes | Yes | Yes | No | Just want | Syed Shah Ghouse | 16RT 1A1254 |
| 5 | 10/29/2018 17:03:03 | | UG | IT | I | i | Strongly | rongly agr | Agree | Strongly | trongly Agre | Neutral | Agree | Strongly | rongly Agr | ongly Ag | ongly Ag | ongly Ag | ongly ag | rongly Agre | Occa | Yes | Yes | Yes | Yes | No | There is no | MOHAMMED | 16RT1A1220 |
| 6 | 10/29/2018 12:46:33 | | UG | IT | I | i | Agree | Agree | Agree | Agree | Neutral | Neutral | Neutral | Agree | Neutral | Agree | Agree | Agree | Agree | Regul | Yes | Yes | Yes | Yes | No | Benches | mohammed | 16RT1A1225 |
| 7 | 10/29/2018 13:20:15 | | UG | IT | I | i | Neutral | Neutral | Neutral | Agree | Agree | Neutral | Disagree | Strongly | Neutral | ongly Ag | Agree | ongly ag | Agree | Occa | Yes | No | Yes | Yes | No | Chemistry | Sabiha naaz | 16RT1A1227 |
| 8 | 10/29/2018 13:21:03 | | UG | IT | I | i | Agree | Agree | Agree | Agree | Agree | Agree | Agree | Neutral | Disagree | Agree | Agree | Agree | Agree | Occa | Yes | Yes | Yes | Yes | Yes | Water | Mohammed wajhiuddin | 16RT1A1228 |
| 9 | 10/29/2018 13:43:29 | | UG | IT | I | i | Agree | Agree | rongly agr | Strongly | Agree | Agree | Neutral | Strongly | Agree | Agree | Agree | Agree | Agree | Occa | Yes | Yes | Yes | No | Yes | | Sufiyan bin shareef | 16RT1A1240 |
| 10 | 10/29/2018 14:38:24 | | UG | IT | I | i | Strongly | Agree | Neutral | Strongly | Neutral | Strong | rongly Agr | Agree | Neutral | Agree | ongly Ag | Agree | Agree | Occa | Yes | Yes | Yes | Yes | Yes | | mohammed kashif | 16RT1A1222 |
| 11 | 10/29/2018 15:28:55 | | UG | IT | I | i | Agree | Agree | Agree | Agree | Agree | Agree | Agree | Agree | Agree | Agree | Agree | Agree | Agree | Occa | Yes | Yes | Yes | Yes | Yes | Benches | Mohammed Tanveer | 16RT1A1227 |
| 12 | 10/29/2018 17:38:30 | | UG | IT | I | i | Neutral | Neutral | Neutral | Neutral | Neutral | Neutral | Neutral | Neutral | Neutral | Neutral | Neutral | Neutral | Neutral | Occa | Yes | Yes | Yes | Yes | Yes | More fans | Mohammad Rukea | 16RT1A1212 |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Fig: 9.2.3 Online Feed Back Taken From The Students.

**B. <u>Corrective Measures Taken</u>:**

Based on the figure 9.2.2 and 9.2.3 corrective measures have been taken as, the below Table 9.2.4 gives the details of Rating Indices:

| Gradings | Points |
|---|---|
| Excellent | 4.1-5 |
| Good | 3.5-4 |
| Average | 3-3.5 |
| Below Average | < 3 |

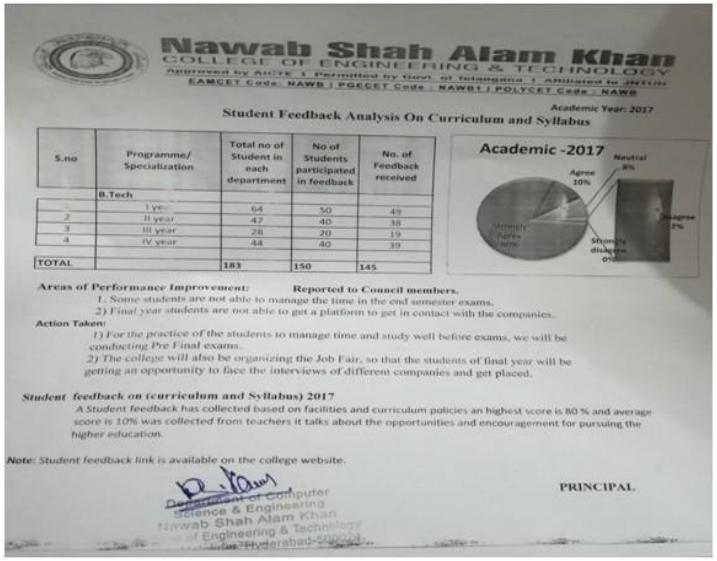
**Table 9.2.4 Rating Indices**

Based on the rating received, the necessary steps or action are taken for improvement.

- If the Faculty has rating < 3.5, he/she must submit a written explanation.
- Taking feedback and explanation into consideration, HoD may ask the faculty to improve the performance or he may replace with other faculty.
- The below average performed faculty are trained continuously through **Faculty Development Programme** to improve the subject knowledge and quality of the staff.

The below fig 9.2.5 shows about the corrective actions and student feedback analysis on curriculum and syllabus coverage has been taken with the **staff and student feedback committee**

**members**.



Nawab Shah Alam Khan
COLLEGE OF ENGINEERING & TECHNOLOGY
Approved by AICTE | Permitted by Govt. of Telangana | Affiliated to JNTUH
EAMCET Code: NAWB | PGECET Code: NAWB1 | POLYCET Code: NAWB

Academic Year: 2017

Student Feedback Analysis On Curriculum and Syllabus

| S.no | Programme/ Specialization | Total no of Student in each department | No of Students participated in feedback | No. of Feedback received |
|---|---|---|---|---|
| | B.Tech | | | |
| 1 | I year | 64 | 50 | 49 |
| 2 | II year | 47 | 40 | 38 |
| 3 | III year | 28 | 20 | 19 |
| 4 | IV year | 44 | 40 | 39 |
| TOTAL | | 183 | 150 | 145 |

Academic -2017



**Areas of Performance Improvement:** **Reported to Council members.**

1. Some students are not able to manage the time in the end semester exams.
2. Final year students are not able to get a platform to get in contact with the companies.

**Action Taken:**

1) For the practice of the students to manage time and study well before exams, we will be conducting Pre Final exams.
2) The college will also be organizing the Job Fair, so that the students of final year will be getting an opportunity to face the interviews of different companies and get placed.

***Student feedback on (curriculum and Syllabus) 2017***

*A Student feedback has collected based on facilities and curriculum policies an highest score is 80 % and average score is 10% was collected from teachers it talks about the opportunities and encouragement for pursuing the higher education.*

*Note: Student feedback link is available on the college website.*

PRINCIPAL

Department of Computer Science & Engineering Nawab Shah Alam Khan College of Engineering & Technology Hyderabad-500024

**Fig 9.2.5 Student Feedback**

## 9.3 Feedback on facilities (5)

Total Marks 5.00

Institute Marks : 5.00

The Institute has a process of collecting the feedback from students every year on various facilities like Infrastructure, Laboratory, Maintenance, Library etc., the feedback forms are collected through suggestion box and analyzed then forwarded to principal office in order to take the corrective measures. The analysis process involves the following steps.

i. The feedback analysis is done manually.
ii. Collected feedback is scrutinized by the feedback committee. iii. The feedback is quantified.
iv. All the parameters mentioned in the feedback form will be analyzed.
v. After analysis the complaints are forwarded to the principal office in order to take the corrective measures.

# Nawab Shah Alam Khan
## COLLEGE OF ENGINEERING & TECHNOLOGY

Affiliated to OU | Approved by AICTE | Accredited by NAAC | Permitted by Govt. of TS | Included in 2F UGC | Registered with TASK | Cisco Networking Acader
16-4-1, New Malakpet, Hyderabad, TS-500024. E-mail.Id:-nsakcet@gmail.com., website:-www.nsakcet.ac.in

**FEEDBACK COLLECTION FORM ON FACILITIES**

**Student Regd Number:** 160207320/0 **Branch:** CE-2 **Date:** 25-03-2021

| Mode | PARAMETER | Need Improvement | Good | Satisfactory | Excellent |
|---|---|---|---|---|---|
| LIBRARY | Are the required number of titles in your subject available in the library | | | | ✓ |
| | Do you have the facility of Digital Library | ✓ | | | |
| INTERNET | Are you able to access internet center as and when required | | | | ✓ |
| | Are you making use of educational online resources | | | | ✓ |
| | Are there enough number of nodes available in the internet center | | | | ✓ |
| | Are the net center staff co-Operative and helpful | | | | ✓ |
| | Do you have free campus/departmental WI-FI | ✓ | | | |
| LAB | Availability of Equipment | ✓ | | | |
| | Working condition of Equipment | | | | ✓ |
| | Staff support in lab | | | | ✓ |
| | Fire safety | | | | ✓ |
| CLASS ROOM | Size of class room | | | | ✓ |
| | Lighting and ventilation | | | | ✓ |
| | Projector | | | | ✓ |
| | Smart class with smart board | | | | ✓ |
| SPORTS FACILITY | Availability of variety of Sports | ✓ | | | |
| | Availability of Sports material (ball, bat etc) | | | | ✓ |
| | Availability of Outdoor Games | ✓ | | | |
| | Conduction of tournaments | | | | ✓ |
| CANTEEN | Food price | | | | ✓ |
| | Hygienic food | | | | ✓ |
| | Clean place | ✓ | | | |
| | Quantity | | | | ✓ |
| | services | | | | ✓ |
| INFRASTRUCTURE | Water plant | | | | ✓ |
| | Parking | | | | ✓ |
| | Toilets | ✓ | | | |
| | Green Campus pedestrian friendly | | | | ✓ |
| | Lift/Elevator | ✓ | | | |
| AMENITIES | CCTV Surveillance | | | | ✓ |
| | Security guards | | | | ✓ |
| | Waste pit | | | | ✓ |
| | Generator | | | | ✓ |

## 9.4 Self-Learning (5)

Total Marks 5.00

Institute Marks : 5.00

**A. Scope for self-learning:**

Self –learning is carried in the institute by creating self-learning facilities under various modes. Students are encouraged for learning by personal counseling and organizing various contests.

The curriculum offers courses like self study, mini-project, major-project where the topic are self selected or based on guide suggestion. The component of self-learning is evaluated in these courses.

A discussion on new technology and its applications in real life that is beyond the syllabus occasionally past year

project and working models are made available to students for improvement and innovation. Some of the tasks in

the lab courses are challenge based which has to be solved by the students on their own enhancing their skills.

**B. Web-based Learning:**

The internet is an open information system in which various sources of information, media and materials such as

texts, images, video sequences can be linked together to form so called self-learning environment. Internet offers

new possibilities to structure, represent, adapt and integrate various learning content and materials.

The institute has internet library to promote and motivate students for self-learning.

**C. e-Learning with Multi-media:**

- Availability of course material on intra-net
  Digital library facility is available to the students for self-study, projects etc.






- Language lab facility for English communication skills, vocabulary,
- phonetics etc. LCD projectors for power point presentations.
- NPTEL videos are available in the form of CD for the students to acquire information of the curriculum subjects and beyond curriculum.

**D. Google Classrooms:**

- The Institution provides Google classrooms, which aim to simplify, creating, distributing, and grading assignments in a paperless way. The primary purpose of Google Classroom is to
- streamline the process of sharing files between teachers and students.
- Google Classroom makes teaching more productive and meaningful by streamlining assignments, boosting collaboration, and fostering communication. Educators can create classes,
- distribute assignments, send feedback, and see everything in one place. Classroom also seamlessly integrates with other Google tools like Google Docs and Drive. Each class creates a separate folder in the respective users Drive, where the student can submit work to be graded by a teacher. Teachers can monitor the progress for each student, and after being graded, teachers can return work along with comments.

**E. College & Departmental Libraries:**

College has a central library and departmental libraries which have specialized collection of books, journals and periodicals for self learning purpose.

**F. MOOC (Massive Open Online Course):**

A massive open online course is an online course aimed at unlimited participation and open access via the web. In addition to traditional course materials such as filmed lectures, Readings, and problem sets, many MOOCs provide interactive user forums to support community interactions between Students, Professors, and Teaching Assistants. MOOCs are a recent and widely researched development Program.

## 9.5 Career Guidance, Training, Placement (10)

Total Marks 10.00

Institute Marks : 10.00

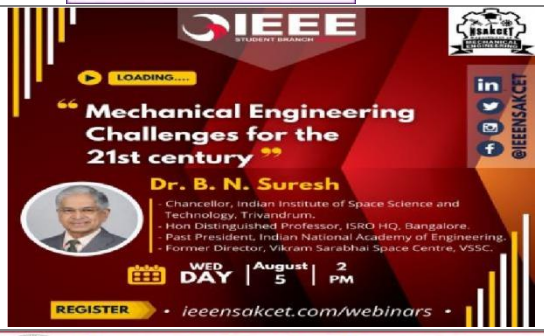
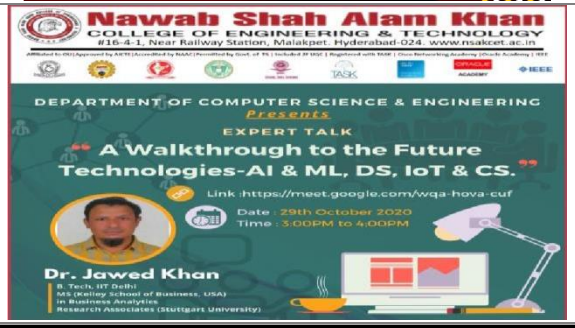
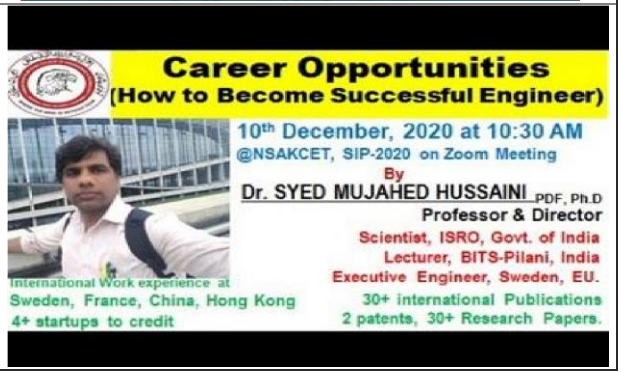
**Career Guidance:** Effective career guidance services are provided for graduates to discover their strengths and weakness before venturing out into highly competitive world including counseling for higher studies.

The objective of career guidance cell is to organize seminars on interview skills, personality development, communication skills, leadership skills, resume writing, analytical skills, Quantitative ability, Verbal and reasoning skills essential to all competitive exams.

**Activities for career guidance cell:**

- The Placement& Training Cell liaises with TASK to provide training in soft skills, personality development, Presentation skills, Group discussions, Aptitude and facing the interview board. The cell, after constant interaction with industries, gives feedback on the value added courses to be offered for various branches of Engineering.
- The Placement Cell arranges for Campus Recruitment by leading Companies through continuous Industry Institute Interaction, Company visits and excellent Partnerships. Coordinates with Industries for enhancing employability through intense Training in appropriate skills
- Students are referred to different Companies as well, for undergoing In-plant Training, Internships and for acquiring Practical Knowledge through exposure to industry environment; e.g. CISCO, Imaraat construction, Infosys, Golconda textiles etc. The Cell motivates and counsels the students to realize their potential.

| | |
|---|---|
| Guest lecture by **Dr. Syed Mujahed Hussaini**, about **"CAREER PLANNING: What after B.Tech"** on 27th December-2016. |  |

| | |
|---|---|
| Guest lecture by **Mr. K. VISHWA PRASAD and Mr. D.HEMASUNDER**, about **"Career Opportunities and Future Prospects"** on 22 December-2019. |  |
| Webinar by BN.SURESH, CHANCELLOR, IIT drem on "**Challenges & career opportunities in mech eering" ON 5.08.2020** |  |
| Webinar by **JAWED KHAN IIT, ALUMNI ortunities in AI&ML, DS, IOT&DS" on 29.10.2020** |  |
| Webinar by Dr.S.M HUSSAINI on "**Employment ability for engineers" on 10.12.2020** |  |

The career guidance Cell promotes the interests of students who wish to pursue higher education after their undergraduate studies. The Cell conducts programs to:

- Create an interest in higher education as a necessity to meet career aspirations that a student can potentially achieve
- Make the students realize the prospect of higher studies and guide them to identify their area of interest, course, college and university within India and
- abroad Provide students with up-to-date information about their career growth and kindle their interest towards investing in hard work, optimum use of time
- and financial resources to shape their future Provide guidance to prepare and approach such examinations confidently.



**Placement & Training Cell -Facilities:**

- The Placement and Training Cell is functioning under the leadership of a Placement Officer and Department Coordinators. Well Equipped Placement Cell.
- Facilities to conduct interviews/ GD’s
- Well established computer facilities for aptitude and online tests
- It provides training for various personality development skills, soft skills, communication skills, presentation skills.

**Members in Placement Committee**

| S.No | Name | Designation | Role |
|---|---|---|---|
| 1 | **Dr. SYED ABDUL SATTAR, PRINCIPAL** | Chairman | 1. To promote career counselling by organising guidance lectures by senior corporate personnel.<br>2. To establish active communication with the industries.<br>3. To conduct awareness seminars for the preparation of campus placement.<br>4. To coordinate campus placement procedures. |
| 2 | **Mr. MAHESH SINGH BHATIA** | Convener | |
| 3 | **Mr. MOHAMMED RAFI , CIVIL DEPT** | Member | |
| 4 | **Mr. MOHAMMED KHALEEL AHMED, CSE DEPT** | Member | |
| 5 | **Mr. MOHAMMED ANWARUDDIN, ECE DEPT** | Member | |
| 6 | **Mr. SADDAM, EEE DEPT** | Member | |
| 7 | **Mr. MOHAMMED AYAZUDDIN, IT DEPT** | Member | |
| 8 | **Mr. SAADATH, MECH DEPT** | Member | |

**In- house training:**

| S.NO | Date | Name of the program | Aim of the program | Modules | No. of days/hours |
|---|---|---|---|---|---|
| 1. | 22.02.2016 | Technical training | To prepare students on technical skills for campus drive | SE,JAVA, DOT NET, PHP | 1 day |
| 2. | 11.08.2016 | Personal counseling session | To enhance Soft skills | Reasoning, verbal, quantitative, communication skills & personality development | Every second saturday |
| 3. | 26.09.2016 | Training by TASK | To prepare for interview | Presentation skills, GD, soft skills | 4 days |
| 4. | 15.03.2017 | Career counseling by free lancer | | To guide the students for future endeavour | 1 day |

| | | | | | |
|---|---|---|---|---|---|
| **5** | **11.10.2017** | **Work shop on job readiness by global talent track** | **To prepare for interview skills** | **personality development, interview skills** | **1 day** |
| **6.** | **13.01.2018** | **Path creators** | **Introducing youngsters to corporate culture** | **Developing the youth leardership potential by interacting** | **1 day** |
| **7.** | **22.02.2018** | **Training on c& data structures** | **To prepare students on technical skills for campus drive** | **C& data structures** | **1 day** |
| **8.** | **9.12.2018** | **Mock interview** | **How to crack interview in companies** | **Interview skills** | **1day** |
| **9.** | **03.03.2019** | **Orientation session by IAEC** | **Career counseling & providing authentic guidance to Indian students for seeking higher education overseas** | **1. What is IELTS?<br>2. Benfits of IELTS<br>3. Online resources for IELTS** | **3 hours** |
| **10.** | **10.08.2019** | **Edu quotient training india pvt ltd** | **To enhance aptitude & soft skills** | **Reasoning, verbal, quantitative, communication skills & personality development** | **60 hours** |
| **11.** | **26.08.2020** | **Quizine – A platter of Quizzes** | **To enhance technical skills** | **Python programming** | |
| **12.** | **08.09.2020** | **Reflechir** | **To enhance technical skills** | **Signals and system** | |
| **13.** | **20.09.2020** | **Quest** | **To prepare for higher education** | **Mock test (PGCET)** | |
| **14.** | **06.10.2020** | **Training for govt. exams** | **To prepare for govt exams** | **Mock test (BSNL,MTNL,RRB)** | |

**Intensive Training:**

Intensive in-house training will be given to the IV Year students for a period of 40 days immediately after their Sixth Semester exams are completed i.e., during their summer vacation. Training will be given in Aptitude, Technical as well as English Communication Skills and Soft skills. Besides training, mock online (both Internet and Intranet based) assessments will be conducted on a regular basis in our own.

The college is associated with various training partners like cisco networking academy, Telangana Academy for skills and knowledge, global track talent are some of the training and placement activities. Some of the MOU's are mentioned for reference:

**CISCO networking academy:**

Cisco Networking Academy at Nawab Shah Alam Khan College of Engineering and Technology Campus

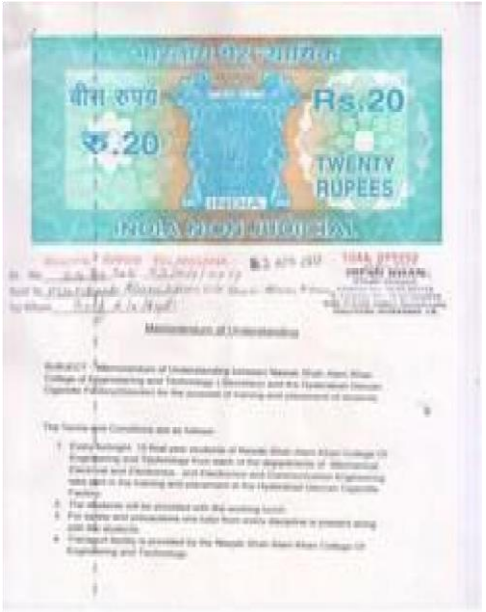
CISCO Academy provides training for computer hardware and networking for the students. It provides training for soft skills and technical skills for the students under the leadership of an instructor.

**Deccan textiles:**






**Hyderabad Deccan factory**:






**Global talent track:**






**Activity based Grammar teaching:**

Intricacies of grammar are made easy by encouraging activity based communication among the students.

| | |
|---|---|
| Self-Introduction | Story Ending |
| Listing, Scripting and Enacting | Stepping Into Others Shoes |
| Business Trip to Queristan | Mock Parliament |
| Loud Conversations | Mock Press |
| Battle of Words | Quiz on Vocabulary |

**Presentation Skills**

| |
|---|
| . Group Discussion |
| . Mock Interviews |
| . Conversations |
| . Declamations |
| Role-plays |

**Writing Skills:**

| | |
|---|---|
| . Email Writing . | Resume |
| . Picture Description | Creative Writing |
| . Picture Interpretation . | Connecting the Hints |
| . Story Interpretation | |
| . Proverb Expansion | |

**Reading Skills:**

| |
|---|
| • Loud Reading with Stress and Intonation |
| • Reading Comprehension |

**Quantitative Aptitude Topics :**

| | |
|---|---|
| • Percentages | Ratio and Proportion |
| • Time & Work | Problems on Trains |
| Profit and Loss | Problems on Ages |
| Pipes & Cisterns | L.C.M & H.C.F |
| • Clocks | |

**Reasoning:**

| | |
|---|---|
| • Number Series Directions | Word Analogy & Classification Coded Inequalities |
| • Number Analogy Seating Arrangements | Coding and Decoding Data Sufficiency |
| • Number Classification Blood Relations | Problems based on Alphabets Number Puzzles |
| • Letter Series Analytical Reasoning | Number Ranking Odd man Out |
| • Letter Analogy & Classification Logical Statements and Conclusions | Word Analogy & Classification Coded Inequalities |

**DEPARTMENT WISE PLACEMENT**

| Department | 2020-2021 | 2019-2020 | 2018-2019 | 2018-2017 | 2016-2017 |
|---|---|---|---|---|---|
| CIVIL | 27 | 36 | 25 | 30 | 70 |
| MECH | 32 | 32 | 30 | 20 | 62 |
| CSE | 31 | 14 | 10 | 18 | 30 |

| | | | | | |
|---|---|---|---|---|---|
| IT | 21 | 10 | 5 | 1 | 6 |
| TOTAL | 111 | 92 | 65 | 69` | 171 |

**YEAR WISE PLACEMENT**

| YEAR | NO. OF STUDENTS |
|---|---|
| 2020-21 | 111 |
| 2019-20 | 92 |
| 2018-19 | 65 |
| 2017-18 | 69 |
| 2016-17 | 171 |

**Placement drive & training conducted at NSAKCET:**

| | |
|---|---|
| **Campus pool drive conducted on 16th feb 2018 at NSAKCET.** |   |
| **Campus pool drive conducted on 16th feb 2018 at NSAKCET.** |  |

| | |
|---|---|
| **Training program organized by TASK** |   |
| **Career counseling session** |  |
| **Aptitude training** |  |
| **Presentation skills** |   |

**9.6 Entrepreneurship Cell** (5)

Total Marks 5.00

Institute Marks : 5.00

**QUESTION:**

**The institution may describe the facility, its management and its effectiveness in encouraging entrepreneurship and incubation. Success stories for each of these years are to be mentioned.**

**ANSWER:**

Entrepreneurship is increasingly recognized as an important driver of economic growth of a country. Even Govt. of India has recognized the importance of it. Entrepreneurship cell helps the students in identifying entrepreneurial opportunities by conducting surveys and business opportunities.

**Functions of the Cell:**

To invite renowned guests from small and large scale industries and organize orientation lectures. To visit nearby localities and promote entrepreneurial education to the students. Students are encouraged to utilize college facilities and laboratories in addition to their prescribed course of studies

**Motto:**

The institution has set up entrepreneurship cell which organizes interactions for motivating and encouraging students for entrepreneurship. The institution plans with technocrats and businessmen, and organizes industrial visits for respective field of specialization to gain practical knowledge. The cell also organizes interactive talks delivered by industrial executives and experts to instill entrepreneurship spirit and zeal amongst students. It encourages the students to think creatively and innovatively and guide them in their projects. The main policy of the institution is to create awareness and promote entrepreneurship skills among students. It is to encourage the staff and students to involve themselves in innovative practices and various researches which in turn lead to research publication.

**Entrepreneurship Committee: AY2020-21**

| S.NO | NAME | DESIGNATION | ROLE |
|---|---|---|---|
| 1. | **Dr. SYED ABDUL SATTAR,** PRINCIPAL | **CHAIRMAN** | 1. To develop and strengthen entrepreneurial qualities in the budding professionals who are interested in starting their own ventures.<br>2. EDC also assists all the aspirants with mentoring, planning and execution of their start up idea into a real business.<br>3. They also organize different activities and events from time to time to train and motivate the students on entrepreneurship. |
| 2. | **Dr. MUJAHID HUSSAINI,** HOD MECH | **PRESIDENT OF IIC** | |
| 3. | **Dr. AMARESH BABU SOANPET** | **VICE PRESIDENT IIC** | |
| 4. | **PROF SYED FARRUKH ANWAR,** VP ADMIN | **CONVENER** | |
| 5. | **Mr. RAZA AHMED KHAN** | **COORDINATOR INCUBATION** | |
| 6. | **MR.MOHAMMED KHALEEL AHMED** | **COORDINATOR IPR CELL** | |
| 7. | **MR.NISAR AHMED** | **COORDINATOR PUBLICITY** | |
| 8. | **DR.MOHAMMED SANAULLAH QASEEM** | **COORDINATOR NIRF RANK** | |
| 9. | **MR.MOHD AYAZUDDIN** | **COORDINATOR-ARIIA RANKING** | |

**Entrepreneurship Committee: AY2019-20**

| S.No. | Name | Designation | Role |
|---|---|---|---|
| 1. | **Dr. SYED ABDUL SATTAR**<br>PRINCIPAL | **CHAIRMAN** | 1. To develop and strengthen entrepreneurial qualities in the budding professionals who are interested in starting their own ventures.<br>2. EDC also assists all the aspirants with mentoring, planning and execution of their start up idea into a real business.<br>3. They also organize different activities and events from time to time to train and motivate the students on entrepreneurship. |
| 2. | **Dr. MUJAHID HUSSAINI**<br>HOD MECH | **CONVENOR** | |
| 3. | **Dr. ZAHIR HASAN**<br>DIRECTOR R&D | **MEMBER** | |
| 4. | **PROF SYED FARRUKH ANWAR**<br>VP ADMIN | **MEMBER** | |
| 5. | **Dr. RAMESH REDDY**<br>DIRECTOR R&D | **MEMBER** | |
| 6. | **Mr. P RAMULU**<br>DIPLOMA PRINCIPAL | **MEMBER** | |

**9.7 Co-curricular and Extra-curricular Activities** (10)

Total Marks 10.00

Institute Marks : 10.00

**SPORTS**

For the well being and physical fitness of the students Nawab Shan Alam Khan College of Engineering & Technology provides several sports facilities outdoor as well as indoor games. Sports activities are an integral part of student's career. Our college believes that providing sports remove student's mental exhaustion. The students have shown great interest in outdoor games. Due to these extra curriculum activities students of

Under the guidance of Mr. Akeem Mohammed, B.P.Ed, (pursuing M.P.Ed) the Physical Director of the college. Students of our college participate in various level of competition including intra college events, inter university events, national events and international events. All the participants are awarded participation certificates.

The sports events could not be conducted in the year 2020 due to the COVID 19 Pandemic.

**Caroms**



**Chess**



**Table Tennis**



**Cricket**



**Sports Day Celebration 2017**



Nawab Shah Alam Khan College of Engineering & Technology get the platform to explore their talent and excel in it. Our college celebrates Sports Day and students participate in various sports and games like table tennis, cricket, chess, caroms, volleyball, football, basketball, badminton, rangoli, mehendi and painting and the winners are awarded prizes.

Regular training is provided in the campus in order to exhibit their talent in a particular sport and game for the individual or group of students.

**GRADUATION DAY**

Graduation day is an annual event organised every year for Diploma, UG & PG in the campus. Eminent academicians from JNTUH, Osmania University, IITH & IIITH are invited to address the students. The chief guest congratulated the students, appreciated parents and faculties for their support in creating eminent professionals. Graduated and Post graduates received their graduation certificates from Chief Guest and Guest of Honour. Graduation day could not be conducted in the year 2020 due to the COVID 19 Pandemic.

**Graduation Day celebration 2019**








## TECHNICAL FEST

Techno Vision is an annual event where in students of Diploma, UG & PG showcase their technical talent through various innovative models and exhibits. Students actively participate in all the events and present their work. Events like technical expo, fun events like gaming, food stalls and many more events are organised. The winners are awarded and participants are given participation certificates. Techno vision has been started since 2017-18. The annual event was conducted in 2018-19 and 2019-20 as well. How ever in the 2020-21 AY the Techno Fest is scheduled in the month of June 2021 if the pandemic situation permits.

**TECHNO VISION 2018**








**TECHNO VISION 2020**






**ORIENTATION PROGRAM**

Orientation Program for the newly admitted undergraduate students is an annual event organised every year. Students and their parents are formally invited. As part of the orientation program eminent academicians like JNTUH, Osmania University, IITH & IIITH are invited to address and orient the students as per the AICTE mandate. Apart from this expert from industries are also invited so as to orient the students about the industry requirements and trends.

**Orientation Program 2020**

A three week Students Induction Program SIP 2020 was conducted as per the directives of the AICTE from 5$^{th}$ to 19$^{th}$ December 2020. Dr. Mohammad Sanaullah Qaseem was the Coordinator and Mr. Raza Ahmed Khan and Mr. Mohammed Khaleel Ahmed were the Co-coordinators. Transition from school to university/college life is one of the most challenging events in a student's life. Usually little is done by most institutions, except for an orientation program lasting a couple of days. Due the Corona Pandemic an online Student Induction Programme was designed to help in the whole process which covered all the aspects not limited to College Introduction, Curriculum & Evaluations, Universal Human Values, Career Opportunities, Time Management, Health &

Hygiene, Life Skills, Communication Skills, Why the need of Programming in today's world, Data Science, AI & ML: The difference and Applications to name a few. Students attended in good numbers. The parents were also invited to the Inaugural and the Valedictory sessions and were very impressed with the presentations and the orientation activities.

## ORIENTATION & STUDENTS INDUCTION PROGRAM (SIP)

**For Newly Admitted BE First Year Students 2020-21. Sessions in Red font: Institutional level sessions (common to all branches), Blue font : Departmental sessions**

| Day | Session # 1 | Session # 2 | Session # 3 | Session # 4 |
|---|---|---|---|---|
| **Date** | **10:30 am - 11:00 am** | **11:00 am - 11:30 am** | **11:30 am - 12:00 noon** | **12:00 noon - 12:30 pm** |
| **SIP-Day1** | **INAUGURAL SESSION** | | | |
| 05-12-20 | **Complete Inaugural day Schedule attached** | | | |
| **SIP-Day 2** | **College Introduction** | **Curriculum & Evaluations** | **How to be Successful?** | |
| 07-12-20 | **Dr. Syed Abdul Sattar** | **Prof. Syed Farrukh Anwar** | **Mr. Nisar Ahmed** | |
| **SIP-Day 3** | **Bharat Bandh - No session - Rescheduled to 12-12-2020** | | | |
| 08-12-20 | | | | |
| **SIP-Day 4** | **Universal Human Values** | | | **Computer Skills for Engineers** |
| 09-12-20 | **Dr. Mohammad Sanaullah Qaseem** | | | **Dr. Riyazuddin Siddiqui** |
| **SIP-Day 5** | **Career Opportunities** | | **Time Management** | **Health & Hygiene** |
| 10-12-20 | **Dr. Syed Mujahid Hussaini** | | **Dr. G. S. Rao** | **Dr. Atif Ismail (DARE)** |
| **SIP-Day 6** | **Life Skills** | | **Jobs & Placements** | |
| 11-12-20 | **Prof. Raza Ahmed Khan** | | **Mr. M. S. Bhatia** | |
| **SIP-Day 7** | **Communication Skills** | **Role of Engineers in our Society** | **Role of Chemistry in our Everyday Life** | |
| 12-12-20 | **Ms. Sabiha Khatoon** | **Dr. Zahir Hasan** | **Dr. Mir Moazzam Ali** | |
| **SIP-Day 8** | **Introduction to Civil Engineering Department** | | **Details of Academic Regulations** | |
| 14-12-20 | **Prof. Farrukh Anwar** | | **Mr S Md Javid** | |
| **SIP-Day 9** | **Scope in the Civil Engineering Field** | | **Importance of Civil Engineering in the Society** | |

| | | | |
|---|---|---|---|
| 15-12-20 | Dr. S Amaresh Babu | Mr Md Ismail | |
| SIP-Day 9 | Ethics and Human Values in Civil Engineering | Civil Engineering Laboratories | |
| 16-12-20 | Mr Mohd Yousuf Ahmed | Mr S Md Javid | |
| SIP-Day 10 | Positive Attitude | Career Opportunities | |
| 17-12-20 | Dr. S Amaresh Babu | Mohd Huzaifa Yaman | |
| SIP-Day 11 | Computer Skills for Civil Engineers | Role of Civil Engineer in Building a society | Recap and Feedback Session |
| 18-12-20 | Mr Mohd Zaker | Mr Md Ismail | Mr Mohd Zaker |
| SIP-Day12 | VALEDIC TORY SESSION | | |
| 19-12-20 | Complete Valedicto ry day Schedule attached | | |

**Orientation Program 2018**






**Sports Facilities**

**List of Outdoor Games Facilities:**

| S.No | Name of the sport facility |
|---|---|
| 1 | Cricket |
| 2 | Volleyball court |
| 3 | Football Field |
| 4 | Basketball court(cement floor) |
| 5 | Badminton court |
| 6 | Archery |

**List of Indoor Games Facilities:**

| S.No | Name of the sport facility |
|---|---|
| 1 | Table tennis |
| 2 | Caroms |
| 3 | Chess |

**List of sports events participated in 2018-19**

| S.No | Date | Event | Conducted | Level | Place Visit |
|---|---|---|---|---|---|
| 1. | 06-09-2019 & 07-09-2019 | Volleyball | Osmania university | Inter college university | Bhavan's degree college,shainikpuri ,sec-bad. |
| 2. | 19-09-2019 20-09-2019 21-09-2019 | Volleyball, Football & Cricket | Vardhaman College of Engineering | college sports fest | Nagarguda shamshabad road, kacharam, Hyderabad,telangana 501218 |
| 3. | 01-10-2019 | Wrestling | JNTU | Inter college university | LB stadium |
| 4. | 14-10-2019 to 20-10-2019 | Football | Reliance youth foundation | Knot out match | CMR Clg , Vijayanagar Colony Ground . |
| 5. | 31-10-2019 | Football | Reliance youth foundation | Qualifying Match | Vijayanagar colony ground |
| 6. | 01-11-2019 | Football | Sports tourism of Inida | State level Match | Sports City Resort , Moinabad |

| | | | | | |
|---|---|---|---|---|---|
| 7. | 02-11-2019 | Football | Reliance youth foundation | Group stage Match<br>(Quater Final) | Vijayanagar colony ground |
| 8. | 07-11-2019,<br>08-11-2019 | Volleyball | Marri Laxman Reddy Institute of Technology | College Fest | Dundigal police station, road, Hyderabad, Telangana 500043 |
| 9. | 13-11-2019<br>to<br>20-11-2019 | Draught game | Draughts association of india | National level | C.L Aggarwal D.A.V Model School, Sector- 7B, Chandigarh |
| 10. | 15-11-2019<br>to<br>17-11-2019 | Football | 1St 7-A Side Football National championship2019 | National Level | Vikramaditya Global School, Sampla(Rohtak) Haryana. |
| 11. | 25-1-2019 | Football | osmaina medial college from reliance youth foundation | Friendly match | Osmania medical college, Koti. |
| 12. | 18-12-2019<br>23-12-2019 | Cricket | 6A side cricket Federation of india | National level | Punjab public school, Nabha, Punjab. |
| 13. | 28-12-2019<br>29-12-2019<br>30-12-2019 | Football | Sports tourism of india & maheshwari international school | National level | Ajmer , Rajasthan |

**National Service Scheme (NSS)**

NSS volunteers of our college are playing a major role in creating health awareness. The main objectives of NSS are to identify the needs and problems of the community and involve them in problem solving, to develop a sense of social and civic responsibility, utilise their knowledge in finding practical solutions to individual and community problems, acquire leadership qualities and democratic attitudes and gain skills in mobilising community participation.

The NSS has organised many activities that had great impact on faculties and students

- Free Eye Check-up Camp was organised by ”Kanti Velugu” Govt.of Telangana on 4th October 2018 at the seminar hall of the college enabling the faculties, Students and locality
- people known their visual defects like eye diseases, infections need of spectacles, their numbering etc. Our college students and NSS volunteers had planted about 1000 saplings in premises of the college.
- As part of Swacch Bharat program students of Nawab Shah Alam Khan College have participated and engaged themselves cleaning of the roads leading to the college.
- An awareness programme on crime against women was organised by SHE TEAM Hyderabad City Police.
- Faculty and students participated in PADA YATRA on the occasion of 150th birth anniversary of Mahatma Gandhi on 15th August
- 2019 A Dental Camp was organised under national service scheme by Bright Smile Super Speciality Hospital.
- Students and volunteers actively participated in Haritha Haram, a flagship program of Telangana government.
- Engineers Day is celebrated to commemorate the Birth anniversary of Sri. M. Visvesvaraya.
- A blood donation camp was organised under national service scheme in coordination with Princess Esra Hospital.
- A fifteen day programme on Jal Shakti Abhiyan, working on war footing to save water and Single Use Plastic, to make plastic free India was organised.

**List of NSS activities during the year 2020-21**

| S. No | Date | Name of the activity | Organizing unit/agency/collaborating agency | No. Of students/faculties/volunteers participated |
|---|---|---|---|---|
| 1 | 21-07-2020 | Food distribution to the needy during the COVID Pandemic | NSS | 10 |
| 2 | 20-102020 | Flood relief work in Hyderabad affected areas | NSS | 15 |

**List of NSS activities during the year 2019-20**

| S. No | Date | Name of the activity | Organizing unit/agency/collaborating agency | No. Of students/faculties/volunteers participated |
|---|---|---|---|---|
| 1 | 23-10-2019 | Awareness programme on crime against women | SHE TEAM Hyderabad City Police/NSS | 45 |
| 2 | 15-08-2019 | One student one tree initiative | NSS | 750 |

| | | | | |
|---|---|---|---|---|
| 3 | 15-08-2019 | PADA YATRA | NSS | 190 |
| 4 | 01-09-2019 to 15-09-2019 | Jal Shakti Abhiyan | NSS | 62 |
| 5 | 01-09-2019 to 15-09-2019 | Single Use Plastic | NSS | 62 |
| 6 | 15-09-2019 | Engineers Day | NSS | 760 |
| 7 | 30-08-2019 | Haritha Haram | NSS | 180 |

**List of NSS activities during the year 2018-19**

| S.No | Date | Name of the activity | Organizing unit/agency/collaborating agency | No. Of students/faculties/volunteers participated |
|---|---|---|---|---|
| 1 | 31-042019 | World No Tobacco Day | NSS | 54 |
| 2 | 04-10-2018 | Eye Checkup Camp | Kanti Velugu, Govt of Telangana | 61 |

**List of NSS activities during the year 2017-18**

| S.No | Date | Name of the activity | Organizing unit/agency/collaborating agency | No. Of students/faculties/volunteers participated |
|---|---|---|---|---|
| 1 | 23-01-2018 | Dental Camp | NSS/BRIGHT SMILE SUPER SPECIALITY HOSPITAL | 474 |

| | | | | |
|---|---|---|---|---|
| 2 | 20-01-2018 | Tree plantation in memory of Mr. Nawab Shah Alam Khan | NSS | 112 |
| 3 | 20-092017 | Swacch Bharat | NSS | 199 |
| | | Abhiyan | | |
| 4 | 30-082017 | Haritha Haram | NSS | 188 |

**List of NSS activities during the year 2016-17**

| S.No | Date | Name of the activity | Organizing unit/agency/collaborating agency | No. Of students/faculties/volunteers participated |
|---|---|---|---|---|
| 1 | 10-05-2017 to 11-05-2017 | Eye Check-up Camp | NSS/RX OPTICALS | 760 |
| 2 | 22-042017 | Blood Donation Camp | NSS/ PRINCESS ESRA HOSPITAL | 89 |
| 3 | 13-042017 | Swacch Bharat Abhiyan | NSS | 182 |

NSS Activities during 2020-21 (Flood relief work)



**Eye Check-up Camp ”Kanti Velugu” (04-10-2018)**






**Haritha Haram (30-08-2019) Engineers Day (15-09-2019)**

**Awareness Programme on Crime Against Women (23-10-2019)**




**Blood Donation camp (22-04-2017)** **Dental Camp (23-01-2018)**



10. GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES (120) Total Marks 120.00

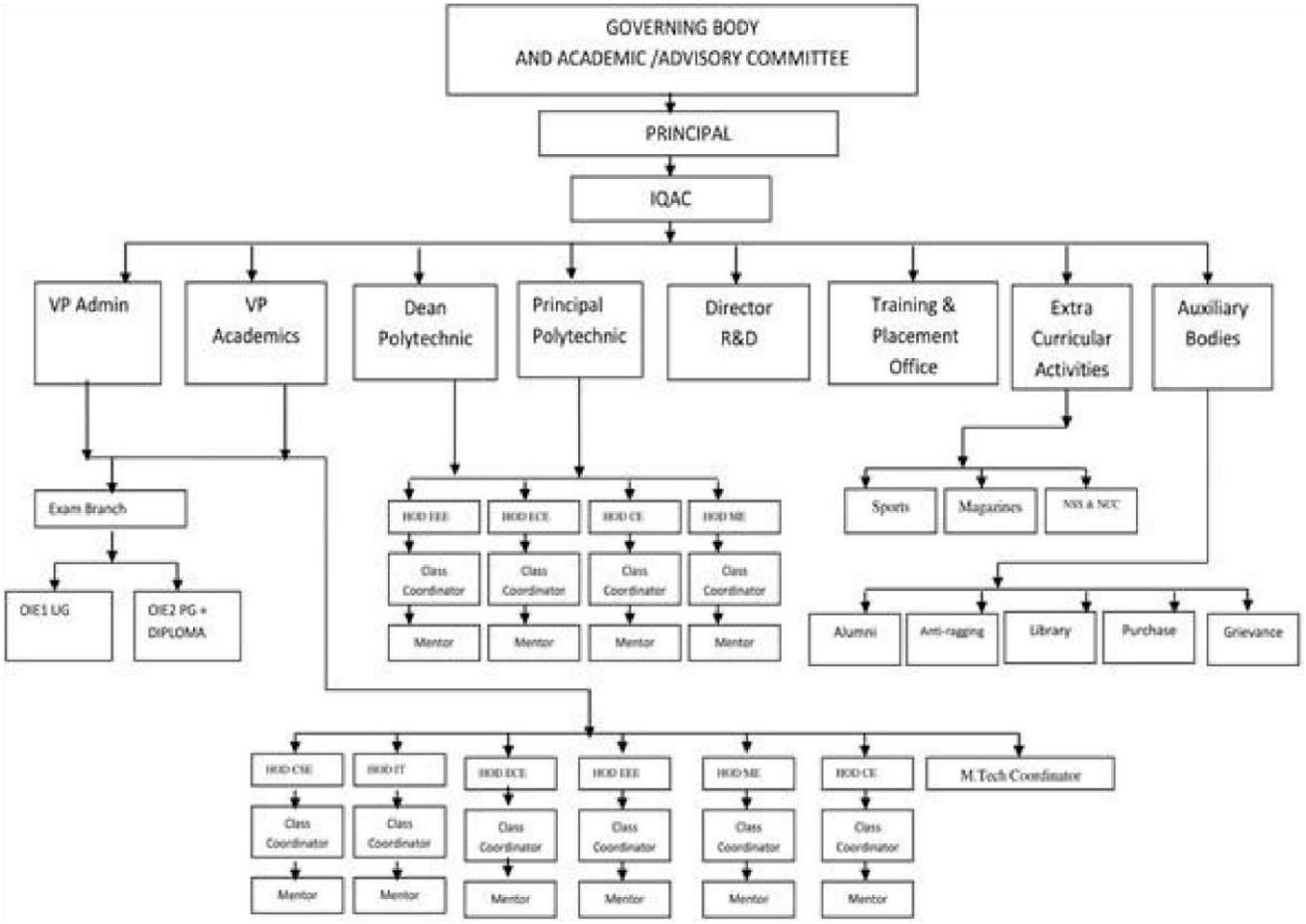
**10.1 Organization, Governance and Transparency** (40) Total Marks 40.00

**10.1.1 State the Vision and Mission of the Institute** (5) Institute Marks : 5.00

| **Vision :** |
|---|
| To impart quality technical education with strong ethics, producing technically sound engineers capable of serving the society and the nation in a responsible manner. |
| **Mission :** |
| **M1:** To provide adequate knowledge encompassing strong technical concepts and soft skills thereby inculcating sound ethics.<br><br>**M2:** To provide a conducive environment to nurture creativity in teaching- learning process.<br><br>**M3:** To identify and provide facilities which create opportunities for deserving students of all communities to excel in their chosen fields.<br><br>**M4:** To strive and contribute to the needs of the society and the nation by applying advanced engineering and technical concepts. |

**10.1.2 Governing body, administrative setup, functions of various bodies, Service rules, procedures, recruitment and promotional policies** (10) Institute Marks : 10.00

Nawab Shah Alam Khan College of Engineering and Technology was established in the year 2008 under Madrasa-i-Aizza Society. The institution has a governing body that makes policy decisions after identifying the needs of the college and to achieve the vision and mission of the institution. It has an effective organization structure which monitors and improves the overall performance. The organizational structure of the institution is given below.




Organization Structure of NSAKCET

**10.1.2.1** List of governing body composition and other academic and administrative bodies I) Governing Body Members:

The Institution has a governing body. It is a policy making body of the institution and meets frequently and discusses the agenda prepared by the Member Secretary. It reviews the performance of the institution and decision taken in the previous meeting and also approves the policy decisions.

Table: 10.1.1. Members of Governing Body 2020-2021

| S. No. | Name | Position in Governing Body |
|---|---|---|
| 1 | Mr. Mahboob Alam Khan | Chairman |
| 2 | Mr. Mujahid Alam Khan | Member |
| 3 | Mr. Ahmed Baig | Educationist Member |
| 4 | Dr. Mir Moazzam Ali | Member |
| 5 | Mr. Haji Sajjad | Businessman Member |
| 6 | Dr. Syed Abdul Sattar | Member Secretary |
| 7 | Dr. Unni Krishnan | AICTE Nominee |
| 8 | Dr. Manzoor Hussain | University Nominee |
| 9 | Prof. T Papi Reddy | Govt. Nominee |
| 10 | Mr. Syed Farrukh Anwar | Member |
| 11 | Mr. Raza Ahmed Khan | Member |

**Meeting:**

The Governing Body meets at least twice a year. All such meetings held within the Institute campus. In the absence of the Chairman, the members can elect a pro-term Chairman from amongst the members present for that meeting. It shall be the responsibility of the Member Secretary to ensure that the meetings are held regularly and the minutes are recorded. The presence of the University nominee for the meetings is mandatory.

Functions:

The Governing Body besides being the supreme administrative authority of the College,

- have the following additional functions To monitor the academic and other related activities of the College.
- To consider the recommendations of the Staff Selection Committee.
- To consider the important communications, policy decisions received from the University, government, AICTE, etc., from time to time. To monitor the students' performances and faculty development programmes.
- To consider the recommendations of planning and monitoring board of the College for implementation. To pass the annual budget of the College.
- To check the audited income and expenditure accounts and approve the same for the College annually. To approve the increase/reduction of intake, courses, new and closure
- To monitor the steps taken for students' training and placement activities.

**II) Different committees and frequency of meeting**

There are number of committees in the college which work for the welfare of the students and faculties. The members of these committees are nominated by the chairman of the governing body. The various committees along with conveners are as follows:

**Table: 10.1.2. Various Committees with Conveners**

| S. No. | Names of the committee | Name of the Chairman/Convener | Frequency of Meetings |
|---|---|---|---|
| 1 | Finance Committee | Dr. Syed Abdul Sattar | Yearly twice |
| 2 | College Academic Committee | Dr. Mohammad S Qaseem | Sem 3 times |
| 3 | Women Protection Committee | Ms. Shalina mahveen | Yearly twice, as and when required |
| 4 | Entrepreneurship Development Cell | Dr. S. Mujahid Hussaini | Yearly twice |
| 5 | Grievance Redressal Cell | Mr. Raza Ahmed Khan | Yearly twice |
| 6 | R & D Cell | Dr. Zahir Hasan | Yearly twice |
| 7 | Anti Ragging Committee | Mr Mohammed Zaker | Yearly twice |

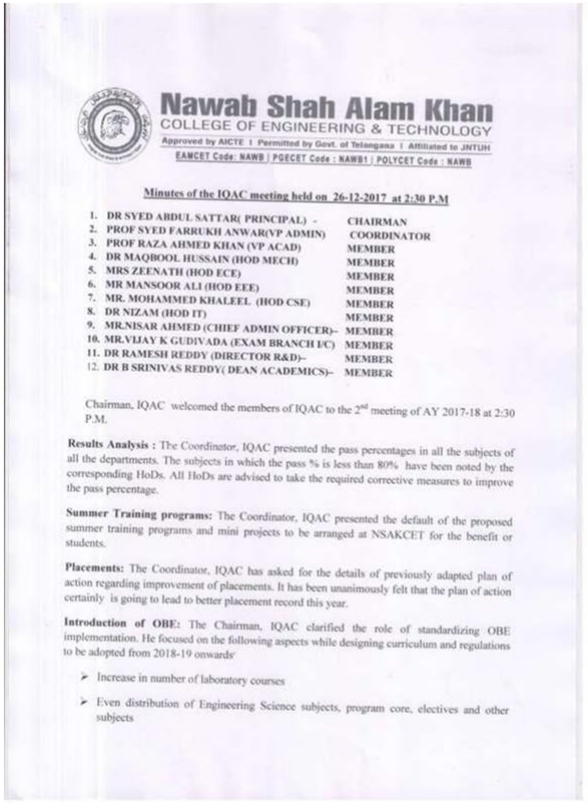
| | | | |
|---|---|---|---|
| 8 | Internal Quality Assurance Committee | Dr. Mohammad S Qaseem | Yearly four times |
| 9 | Sports & Cultural Committee | Mr. Hakeem | Quarterly |
| 10 | Disciplinary Committee | Mr. Syed Farrukh Anwar | Yearly twice |
| 11 | Staff Selection Committee | Dr. Mohammad S Qaseem | Yearly twice |
| 12 | Training and Placement Committee | Mr.Mahesh Singh Bhatia | Yearly four times |
| 13 | Alumni Association | Mr. Mohammed Ayazuddin | Yearly once |
| 14 | Examination Monitoring Committee | Mr. Vijay K. Gudivada | Yearly six times |
| 15 | Library Committee | Dr. Mujahid Hussaini | Yearly twice |
| 16 | Industry Institute Interaction Committee | Dr. S. Mujahid Hussaini | Yearly twice |
| 17 | SC/ST Committee | Mr. P Ramulu | Yearly twice |
| 18 | NSS Committee | Mr. Mohd. Abdul Moyeed | Yearly four times |
| 19 | Staff & Student Feedback Committee | Mr. Mohd. Khaleel Ahmed | Yearly four times |
| 20 | Committee for Differently Abled | Ms. Rehana firodus | Yearly twice |
| 21 | IPR Cell | Dr. S. Mujahid Hussaini | Yearly twice |
| 22 | Time Table Committee | Mr. Syed Farrukh Anwar | Yearly twice |
| 23 | BOG | | Yearly twice |
| 24 | Minority/OBC | Mohd Nayeem | Yearly twice |

A. Service rules, Policies and procedures:

The institution has its own service rules, policies and procedures for effective functioning of the institution. It is published in 2015.All these are available at Principal's office, HOD's office and institution website.

Service rules, Policies and procedures are attached herewith

A. Minutes of the meeting and action taken report



**Nawab Shah Alam Khan**
COLLEGE OF ENGINEERING & TECHNOLOGY
Approved by AICTE | Permitted by Govt. of Telangana | Affiliated to JNTUH
EAMCET Code: NAWB | PGECET Code : NAWB1 | POLYCET Code : NAWB

**Minutes of the IQAC meeting held on 26-12-2017 at 2:30 P.M**

1. DR SYED ABDUL SATTAR( PRINCIPAL) - CHAIRMAN
2. PROF SYED FARRUKH ANWAR(VP ADMIN) COORDINATOR
3. PROF RAZA AHMED KHAN (VP ACAD) MEMBER
4. DR MAQBOOL HUSSAIN (HOD MECH) MEMBER
5. MRS ZEENATH (HOD ECE) MEMBER
6. MR MANSOOR ALI (HOD EEE) MEMBER
7. MR. MOHAMMED KHALEEL (HOD CSE) MEMBER
8. DR NIZAM (HOD IT) MEMBER
9. MR.NISAR AHMED (CHIEF ADMIN OFFICER)- MEMBER
10. MR.VIJAY K GUDIVADA (EXAM BRANCH I/C) MEMBER
11. DR RAMESH REDDY (DIRECTOR R&D)- MEMBER
12. DR B SRINIVAS REDDY( DEAN ACADEMICS)- MEMBER

Chairman, IQAC welcomed the members of IQAC to the 2nd meeting of AY 2017-18 at 2:30 P.M.

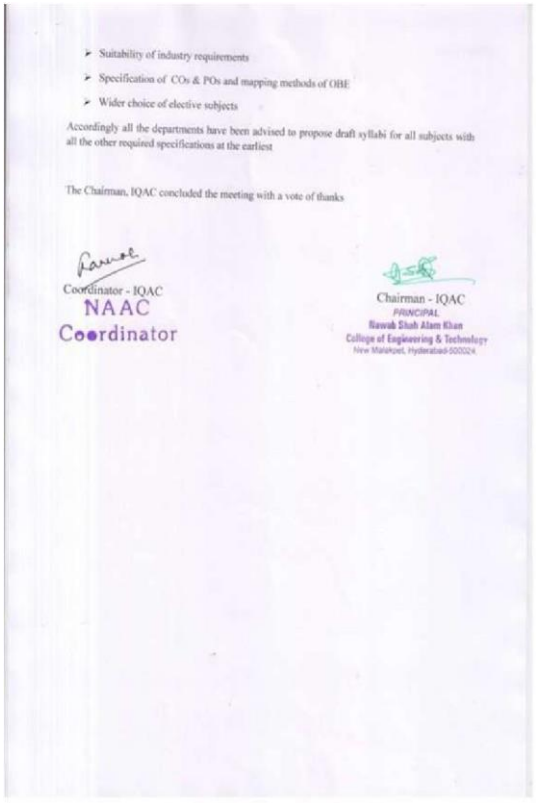
**Results Analysis :** The Coordinator, IQAC presented the pass percentages in all the subjects of all the departments. The subjects in which the pass % is less than 80% have been noted by the corresponding HoDs. All HoDs are advised to take the required corrective measures to improve the pass percentage.

**Summer Training programs:** The Coordinator, IQAC presented the default of the proposed summer training programs and mini projects to be arranged at NSAKCET for the benefit or students.

**Placements:** The Coordinator, IQAC has asked for the details of previously adapted plan of action regarding improvement of placements. It has been unanimously felt that the plan of action certainly is going to lead to better placement record this year.

**Introduction of OBE:** The Chairman, IQAC clarified the role of standardizing OBE implementation. He focused on the following aspects while designing curriculum and regulations to be adopted from 2018-19 onwards'

- Increase in number of laboratory courses
- Even distribution of Engineering Science subjects, program core, electives and other subjects



- Suitability of industry requirements
- Specification of COs & POs and mapping methods of OBE
- Wider choice of elective subjects

Accordingly all the departments have been advised to propose draft syllabi for all subjects with all the other required specifications at the earliest

The Chairman, IQAC concluded the meeting with a vote of thanks

Coordinator - IQAC
NAAC
Coordinator

Chairman - IQAC
PRINCIPAL
Nawab Shah Alam Khan
College of Engineering & Technology
New Malakpet, Hyderabad-500024

**Sample copies of minutes of meeting**

**Nawab Shah Alam Khan**
COLLEGE OF ENGINEERING & TECHNOLOGY
Approved by AICTE I Permitted by Govt. of Telangana I Affiliated to JNTUH
EAMCET Code: NAWB | PGECET Code : NAWB1 | POLYCET Code : NAWB

**Feedback Committee**

Proceedings of the Principal

Present: Dr.Md Yousuf Ali

Date :16-02-2016

**Order:**

The Principal is pleased to constitute the Feedback Committee with the following members;

**Institution Nominees**

| S.No | Name of Committee | Designation | Department | Designation |
|---|---|---|---|---|
| 1. | Dr.Md Yousuf Ali | Principal | Mech | Chairman |
| 2. | Prof. Syed Farrukh Anwar | Professor & HOD | Civil | Member |
| 3. | Prof. Raza Ahmed Khan | Professor | Mech | Member |
| 4. | Dr. Syed Mujahid Hussaini | Prof & HOD | Mech | Member |
| 5. | Dr. Mir Moazzam Ali | Professor | Chem | Member |
| 6. | Ms. Zeenath | Assoc.Prof | ECE | Member |
| 7. | Mr. Uzair Ali | Assoc Prof | EEE | Member |
| 8. | Mr. Nisar Ahmed | CAO | H&BS | Member |

Principal

PRINCIPAL
Nawab Shah Alam Khan
College of Engineering & Technology

Copy to:

1. The Director
2. All the Members
3. File

**Nawab Shah Alam Khan**
COLLEGE OF ENGINEERING & TECHNOLOGY
Approved by AICTE I Permitted by Govt. of Telangana I Affiliated to JNTUH
EAMCET Code: NAWB | PGECET Code : NAWB1 | POLYCET Code : NAWB

Date : 21/10/2016

**Minutes of Meeting**

Student Feedback Analysis on Curriculum and Syllabus Report

The Principal is pleased to constitute the Feedback Committee with the following members;

| S.No | Name of Committee | Designation | Department | Designation |
|---|---|---|---|---|
| 1. | Dr.Md Yousuf Ali | Principal | Mech | Chairman |
| 2. | Prof. Syed Farrukh Anwar | Professor & HOD | Civil | Member |
| 3. | Prof. Raza Ahmed Khan | Professor | Mech | Member |
| 4. | Dr. Syed Mujahid Hussaini | Prof & HOD | Mech | Member |
| 5. | Dr. Mir Moazzam Ali | Professor | Chem | Member |
| 6. | Ms. Zeenath | Assoc.Prof | ECE | Member |
| 7. | Mr. Uzair Ali | Assoc Prof | EEE | Member |
| 8. | Mr. Nisar Ahmed | CAO | H&BS | Member |

The feedback was collected from the students for the academic year 2016-2017, I semester and the analysis was carried out on that feedback to give the following information.

**Number of Students from which feedback was taken:**

| Total Number of Students | Feedback Received |
|---|---|
| 1238 | 627 |

**Analysis of Feedback:** The following is the information about the number of students given the various Grading with the Point Scale

| Point Scale | Strongly Agree | Agree | Neutral | Disagree | Strongly Disagree |
|---|---|---|---|---|---|
| No. of Students | 187 | 262 | 143 | 35 | 0 |

With this Feedback Analysis, the working of college was found to be **"Agree"** as the point scale to the statements given in the Feedback Forms.

The feedback was thoroughly examined and came up with some key points from the remarks.

**Problems Encountered:**

1) Some students are not able to manage the time in the end semester exams.
2) Final year students are not able to get a platform to get in contact with the companies.

**Action Taken:**

1) For the practice of the students to manage time and study well before exams, we will be conducting Pre Final exams.
2) The college will also be organizing the Job Fair, so that the students of final year will be getting an opportunity to face the interviews of different companies and get placed.

**The following are the statements considered for evaluating the Feedback**

**A. CONTENT COURSE**

1. The faculty covers the entire syllabus and topics in detail.
2. The faculty possesses deep knowledge of the subject taught
3. The faculty communicates clearly

**B. TEACHING LEARNING PROCESS**

1. The faculty is punctual and engages the class for the full duration and completes the course in time
2. The teacher comes fully prepared for the class
3. The teacher provides guidance counseling in academic and nonacademic matters in / outside the class
4. The teacher pays attention to academically weaker students as well
5. The teacher relates the course material with real world situations
6. The teacher's attitude toward the students was friendly and helpful

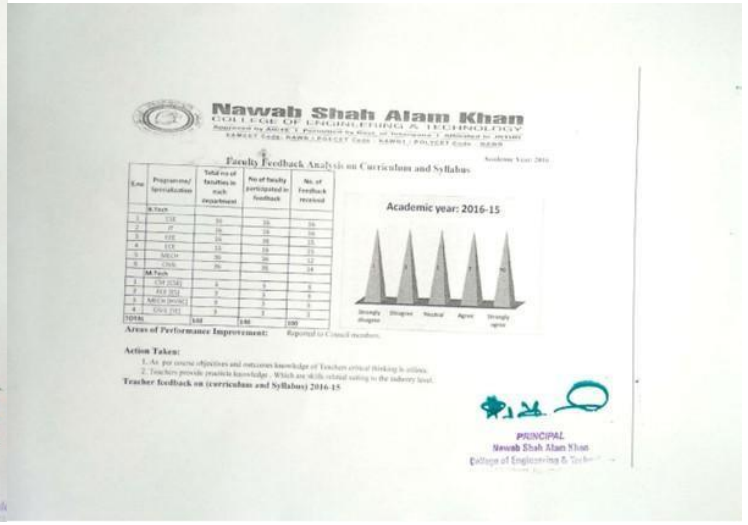
**C. EVALUATION PROCESS**

1. Periodical assessments were conducted as per schedule
2. Question paper covers all the topics in the Curriculum
3. The teacher was fair and unbiased in the evaluation Process
4. Overall Rating of the Teacher: In my view the teacher has professional competence and is a role model

**D. STUDENTS FEED BACK ON LIBRARY**

1. How often do you visit the Library
2. Are the required number of titles in your Subject available in the Library
3. Are you satisfied with the cataloguing and arrangement of books in the Library
4. Are the Library Staff cooperative and helpful
5. Any suggestion: _____

Principal
PRINCIPAL
Nawab Shah Alam Khan
College of Engineering & Technol



Nawab Shah Alam Khan
COLLEGE OF ENGINEERING & TECHNOLOGY

Faculty Feedback Analysis on Curriculum and Syllabus

| S.no | Programme/ Specialization | Total no of faculties in each department | No of faculty participated in feedback | No. of Feedback received |
|---|---|---|---|---|
| | B.Tech | | | |
| 1 | CSE | 16 | 16 | 16 |
| 2 | IT | 16 | 16 | 16 |
| 3 | ECE | 16 | 16 | 16 |
| 4 | EEE | 15 | 15 | 15 |
| 5 | MECH | 20 | 20 | 12 |
| 6 | CIVIL | 20 | 20 | 14 |
| | M.Tech | | | |
| 1 | CSE [CSE] | 6 | 6 | 6 |
| 2 | ECE [ECE] | 9 | 9 | 9 |
| 3 | MECH [MAME] | 6 | 6 | 6 |
| 4 | CIVIL [STE] | 3 | 3 | 3 |
| TOTAL | | 140 | 140 | 100 |

Academic year: 2016-15




Areas of Performance Improvement: Reported to Council members.

Action Taken:
1. As per course objectives and outcomes knowledge of Teachers critical thinking is utilized.
2. Teachers provide practical knowledge - Which are skills related aiding to the industry level.

Teacher feedback on (curriculum and Syllabus) 2016-15

PRINCIPAL
Nawab Shah Alam Khan
College of Engineering & Technology

# Nawab Shah Alam Khan
COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE I Permitted by Govt. of Telangana I Affiliated to JNTUH

EAMCET Code: NAWB | PGECET Code : NAWB1 | POLYCET Code : NAWB

**College Feedback Committee Minutes of Meeting**

**Held on 16-02-2016 at 11:00 AM**

**Venue: NSAKCET Seminar Hall, Block G**

**Members Present:**

**Institution Nominees**

| S.No | Name of Committee | Designation | Department | Designation |
|---|---|---|---|---|
| 1. | Dr.Md Yousuf Ali | Principal | Mech | Chairman |
| 2. | Prof. Syed Farrukh Anwar | Professor & HOD | Civil | Member |
| 3. | Prof. Raza Ahmed Khan | Professor | Mech | Member |
| 4. | Dr. Syed Mujahid Hussaini | Prof & HOD | Mech | Member |
| 5. | Dr. Mir Moazzam Ali | Professor | Chem | Member |
| 6. | Ms. Zeenath | Assoc.Prof | ECE | Member |
| 7. | Mr. Uzair Ali | Assoc Prof | EEE | Member |
| 8. | Mr. Nisar Ahmed | CAO | H&BS | Member |

**Agenda : parent's feedback analysis report.**

We receive feedback from parents, Receiving positive or negative feedback from parents is important as both these are crucial in helping monitor and evaluate the provision. Listening to what parents say is a contributing factor to running a successful organization.

**Overall parent's feedback performance is "AGREE".**

Principal

Copy to:

1. The Director
2. All the Members
3. File

PRINCIPAL
Nawab Shah Alam Khan
College of Engineering & Technology
New Malakpet, Hyderabad

✆ : 040-24576985

# NAWAB SHAH ALAM KHAN COLLEGE OF ENGINEERING & TECHNOLOGY

( Approved by AICTE, Govt. of Telangana, Affiliated to JNTUH Hyderabad )

# 16-4-1/A, New Malakpet, Hyderabad - 500 024 | Email : nsakcet@gmail.com | Website : www.nsakcet.ac.in

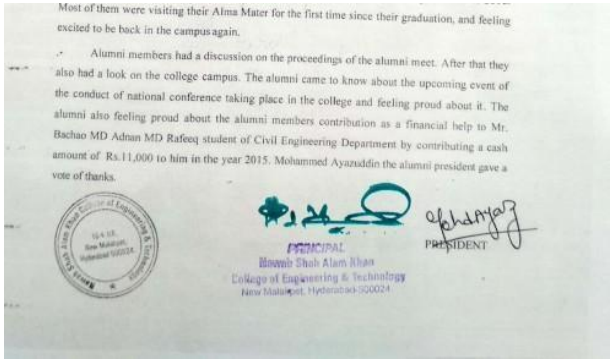
Ref. No. NSAKCET/2016/MOM/Alumni/003 Date : 20-7-2016

**MINUTES OF MEETINGS -ALUMNI MEET REPORT- 2016**

The following members has attended the meeting

| | | |
|---|---|---|
| 1. Mohammed Ayazuddin | President | |
| 2. Abdul Muqueeth | Vice President | |
| 3. Mohd Riyan | General Secretary | |
| 4. Mohammed Abdul Rafay Hazari | Joint Secretary | |
| 5. Farzana Siddique | Member | |

Nawab Shah College of Engineering and Technology College organized its third Alumni Meet on 20th July 2016. Many of the alumni played active role in contacting their batch mates and others. The Meet was attended by 74 alumni of batch that graduated in year 2014 to 2016.


Most of them were visiting their Alma Mater for the first time since their graduation, and feeling excited to be back in the campus again.

Alumni members had a discussion on the proceedings of the alumni meet. After that they also had a look on the college campus. The alumni came to know about the upcoming event of the conduct of national conference taking place in the college and feeling proud about it. The alumni also feeling proud about the alumni members contribution as a financial help to Mr. Bachao MD Adnan MD Rafeeq student of Civil Engineering Department by contributing a cash amount of Rs.11,000 to him in the year 2015. Mohammed Ayazuddin the alumni president gave a vote of thanks.

PRINCIPAL
Nawab Shah Alam Khan
College of Engineering & Technology
New Malakpet, Hyderabad-500024

PRESIDENT

**10.1.3 Decentralization in working and grievance redressal mechanism** (10) Institute Marks : 10.00

**A. List of faculty members and their delegated powers**

The institution has various committees to ensure the decentralization and efficient execution of academic and administrative work. Each committee has one coordinator and faculty members from every department. These committees are monitored by the head of the institution. All these committees are involved in data collection, organizing activities, periodical reviews and providing suggestions for further actions. They frequently conduct meetings and maintain the records.

**Table: 10.3.Delegation of Powers**

| S. No. | Faculty Name | Delegated Power | Decision/Activity |
|---|---|---|---|
| 1 | Dr. Syed Abdul Sattar | Chairman/Convener Finance Committee | To prepare budget for the financial year based on probable income and expenditure related to the grants received/receivable from UGC if any, and income from fees, etc. To plan for the functional and developmental activities of the institute on par with the latest contemporary technological developments. |
| 2 | Dr. Mohammad S Qaseem | Chairman/Convener College Academic Committee | To review the academic and other related activities of the institution.<br>To review the students and faculty development programs.<br>To visualize and formulate perspective plans for the development and growth of the College / Institute. |

| | | | |
|---|---|---|---|
| 3 | Ms. Pushpanjali Patra | Convener<br><br>Women Protection committee | To address the needs of women faculty, staff & students<br>To identify the personal issues so that the women will have gender equality & dignity |
| 4 | Dr. S. Mujahid Hussaini | Convener<br>Entrepreneurship Development<br>Committee | To conduct different entrepreneurship awareness & Skill development programme in the college premises among the young technocrats.<br>To motivate the young technocrats for innovation, new idea generation & start up. |
| 5 | Mr. Raza Ahmed Khan | Convener<br><br>Grievance Redressal Committee | To enquire into complaints or grievances received from aggrieved students and faculty.<br>To take corrective measures. |
| 6 | Dr. Mujahid Hussaini | Convener<br><br>R & D Committee | To help the faculty and staff in submitting the proposals to AICTE, DST etc.<br>To guide the faculty in identifying industry oriented projects |
| 7 | Dr. Amaresh Babu | Convener<br><br>Anti Ragging Committee | To Prevent ragging in campus and surrounding areas |
| 8 | Dr. Mohammad S Qaseem | Convener Internal Quality Assurance Committee | Development and application of quality benchmark / parameters of various activities in the institution.<br>Facilitating the creation of a learner- centric environment conducive to quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process. |
| 9 | Mr.Hakeem | Convener<br><br>Sports and Cultural Committee | To plan and schedule cultural and sports events for the academic year.<br>To suggest the methods so that students and faculty utilize sports and games facilities available in the college.<br>To conduct science Tech-fest by involving students on recent technological developments. |

| | | | |
|---|---|---|---|
| 10 | Mr. Syed Farrukh Anwar | Convener<br>Disciplinary Committee | To maintain discipline in classroom and campus. |
| 11 | Mr.M. S. Bhatia | Convener<br>Training and Placement | To provide information about various careers available in this competitive world.<br>To conduct campus recruitment training program by making MOU with the companies.<br>To enhance the soft skills of students so that they will be ready for industry.<br>To identify industries/software companies and convince them for campus placement. |
| 12 | Mr. Mohd Ayazuddin | Convener<br>Alumni Association | Maintaining communication channels with alumni keeping them informed of institutional achievements and make them part of the institutions future.<br>Participate actively in strategic and long- range program planning to promote alumni awareness and commitment to the college. |
| 13 | Dr. S. Mujahid Hussaini | Convener<br>Library Committee | To suggest improvements to run the library smoothly, orderly and satisfactorily. To suggest improvements in digital library. |

**10.1.3.1 Mechanism and composition of grievance redressal Cell Grievance**

**Appeal Committee:**

The Grievance Appeal committee is intended to undertake the processes of attending to the grievances put forward by the students and staff. It focuses on setting proper facilitation procedures for settling the issues in a cordial atmosphere. The committee is expected to initiate proper or appropriate enquiry or investigative mechanism within 24 hours from the receipt of the complaint in written form duly signed by complainant(s). The committee is expected to meticulously adhere to the standard arbitration procedures of the college and Government of Telangana. The institute made online grievance Redressal mechanism. The grievance can be submitted online in addition to offline also.

**Scope of the operations:**

The committee shall take into consideration all the redressal criteria and rules and regulations of the college and government of Telangana both in admitting the complaint and in conducting the enquiry. The committee is expected to commence its operations by constituting a special committee in case of need.

The observations, findings, suggestions and recommendations are merely recommendatory in nature and do not carry any legal binding for the college to follow or implement. The committee is expected to submit the minutes of its meetings along with observations, suggestions, if any, and resolutions to the respective statutory committees for further processing the same at the deliberations. The Convener and the members of the committee shall undertake all the operations in coordination with the Heads of the departments and administrative office.

**Composition of the committee:**

A senior member of faculty as convener and few faculty members are appointed by the Principal. The convener is expected to undertake all the prime duties of the committee, namely convening the meetings, recording minutes, recording special observations and suggestions, if any, processing the data and obtaining ratification of the minutes, resolutions, observations, taking necessary steps for tabling the said documents for ratification by the statutory bodies etc.

**Table: Members of the Grievance Redressal Committee**

| S.No. | Member Name | Designation in the Committee | Designation |
|---|---|---|---|
| 1 | Dr. SYED ABDUL SATTAR | Chairman | Principal |
| 2 | Mr. RAZA AHMED KHAN | Convener | Vice principal (Admin) |
| 3 | Mr. SYED FARRUKH ANWAR | Member | Vice principal |
| 4 | Dr. MIR MOAZZAM ALI | Member | Prof (H&BS) |
| 5 | Mr. NISAR AHMED | Member | CAO |
| 6 | Dr. MOHAMMAD S QASEEM | Member | VP ACAD & CSE-HOD |
| 7 | Mrs. AYESHA FATIMA | Member | Member |
| 8 | Mrs. REHANA FIRDOUS | Member | Member |
| 9 | Mrs. FATIMA ZEHRA | Member | Member |
| 10 | Ms. SABIHA KHATOON | Member | Member |

**Basic functions of the committee:**

The following items fall under the purview of the committee. The committee is expected to extend its co-operation to the members of faculty and staff appointed or drafted for specific tasks from time to time like other members of faculty including heads of departments or non- teaching staff appointed or drafted by the principal for taking up a special enquiry related to any complaint, controller of examinations and other personnel drafted by the principal in case of an examination oriented grievance etc. The activities are classified in two categories planning, and monitoring & execution.

**Planning activity:**

Preparing the grievance redressal procedures from time to time and notifying the tenets to the staff and students.

Studying and compiling the relevant enactments of the Government of Telangana and Government of India.

Identifying the relevant on-going litigations and keeping the institution abreast of different verdicts of the Local courts and higher courts or tribunals or other legal bodies including Lokayukta and Human rights commission. Monitoring and Execution activity:

Receiving appeals from the students and staff.

Identifying the intensity of the appeal.

Ascertaining the legal implications of the appeal.

Classification of appeals into academic, administrative and discipline-oriented.

Constitution of a separate committee in case of need.

Ascertaining the provisions of the committee.

The committee may meet within 24 hours from the time of commencement of its operation and decide over the course of enquiry.

Ascertaining the individuals to be involved in the enquiry.



Submission of the report after deliberations among the members of the committee Based on the report, the action which is taken can be finalized.

In case of an appeal related to service matters, a committee shall be constituted to look into the verdicts of the tribunal of the government regarding similar items and submitting a report to the management for further action. Grievance boxes were installed at various locations.

Action taken

**Some of the Grievances received and addressed are as follows Grievances Received**

Administrative office should be spacious and more number of counters should be provided. Transport facilities should be provided from nook and corner of the city.

Canteen should be opened bit early. Washrooms should be cleaned regularly. Sports time duration should be increased.

It is difficult to walk from CSE department to administration block during the rainy season as it is muddy.

**Grievances addressed**

We constructed new administrative office with spacious as per the request made by students requirements.

Transportation facilities are extended to additional routes and stops as per the requests made by the students and the staff. Canteen is opened one hour before the functioning of the classes.

Earlier, the scavengers were out sourced. Now, the management appointed permanent scavengers to clean the washrooms regularly. Previously the sports were conducted only after the college timings. Now, it is included in regular class hours.

Earlier, the area between the CSE department and admin block was muddy.

Now, floor tiles have been laid down. The college website has the link to the

Grievance Redressal Cell as per the following URL

http://www.nsakcet.ac.in/GrievenceRedresselCell

(http://www.nsakcet.ac.in/GrievenceRedresselCell)

| | |
|---|---|
| NAME: | HALL TICKET/ROLL NO: |
| COURSE STUDIED IN NSAKCET: | BRANCH: |
| ACADEMIC YEAR OF B.TECH: | ACADEMIC YEAR OF M.TECH: |
| PHONE NUMBER (WITH CODE) : | EMAIL: |
| SUBJECT: | |

03/03/2020 Print

**Anti-Ragging Committee**

The institution has constituted anti – ragging committee to prevent ragging inside the institution premises and also to create awareness among the students so as to prevent the same from happening outside the campus. It has the Principal, HODs, faculty, senior students and parents.

**Anti Ragging Committee**

| S. No. | Name | Position | Designation/Department |
|---|---|---|---|
| 1 | **Dr. SYED ABDUL SATTAR** | Chairman | Principal |
| 2 | **Dr. AMARESH BABU** | Convener | HOD-CIVIL |
| 3 | **PROF RAZA AHMED KHAN** | Member | DIP COORDINATOR |
| 4 | **Mr. SYED SADAT ALI** | Member | MECH DEPT |
| 5 | **Mr. SHAIK MOHAMMED JAVID** | Member | CIVIL DEPT |
| 6 | **MR ZAKER** | Member | CIVIL DEPT |
| 7 | **Mr. MD KHALEEL AHMED** | Member | CSE DEPT |
| 8 | **Mr. MD AYAZUDDIN** | Member | IT DEPT |
| 9 | **Mr. DABEERULLAH** | Member | EEE DEPT |

Ragging means causing physical and / or mental trauma to a person as a result of physical abuse, manhandling, using abusive language or gestures or forcing to perform acts that may cause physical/mental damage. Ragging is a social, cultural and psychological menace.

Students are urged to keep-up the glorious tradition of college and not to indulge in any activity within or outside the campus that may be construed as or amounts to ragging.

Any student, if found involved in any such activity directly or indirectly shall not only be expelled from the institution, but the matter will be reported to police / legal authorities, for further necessary action.

**The institution has taken the following measures to prevent ragging**

Anti-ragging committees involving teaching, Non-teaching staff and senior students are constituted. The campus is under CCTV camera surveillance.

Banners and posters on anti-ragging act are displayed at prominent places.

Complaint boxes at prominent places are arranged.

The telephone numbers of the college administration and police are displayed at prominent places.

Anti-ragging help line number and web site address are displayed in the campus at prominent places using which students can receive assistance within 15 minutes. Awareness
on anti-ragging act is created to all the students by the Principal, HODs and senior faculty members in each class.

Awareness on anti-ragging act is created to all the students with the involvement of judiciary, revenue and police department. Undertaking forms are obtained from the students and their parents stating that senior students do not involve in ragging in any form. Separate seats/buses are arranged for the first year students.

Lunch timings and class timings of the first year students are different from that of the senior students. Class rooms for first year students are arranged in a separate block.

Fresher's day is conducted within one month from the commencement of first year class work. The faculty members are deputed as hostel committee members in order to have better vigilance.

All the students are issued ID cards and no outsiders are allowed into the hostel.

The implementation of the above measures resulted in; no incident of ragging has been happened till date in the campus. Our campus is ragging free campus.

**Women's Grievance Cell**

Women's Committee (Complaint Committee on Sexual Harassment)

Women Grievance Committee is formed for speedy redressal of any complaint or issues related to women staff. Examine complaints of sexual harassment or sexual discrimination pertaining to the female staff members and the female students. Take necessary remedial measures wherever possible or submit its findings with recommendation of principal. Following are the members of the Sexual Harassment Control Committee

Women's Grievance Cell

| S. No. | Name | Position | Designation/Department |
|---|---|---|---|
| 1 | Dr. SYED ABDUL SATTAR, Principal | Chairman | Principal |
| 2 | Ms. PUSHPANJALI PATRA, IT DEPT | Convener | IT DEPT |
| 3 | Ms SABA FATHIMA ,CIVIL DEPT | Member | CIVIL DEPT |
| 4 | Ms SABIHA KHATOON, ENGLISH DEPT | Member | ENGLISH DEPT |
| 5 | Ms. AYESHA FATIMA, ECE DEPT | Member | ECE DEPT |

| | | | |
|---|---|---|---|
| 6 | Ms. SYEDA FARHATH BEGUM, CSE DEPT | Member | CSE DEPT |
| 7 | Ms. YASMEEN BANU, EEE DEPT | Member | EEE DEPT |

Main responsibility of Women Grievance Committee is to ensure safe and healthy working environment for the female employees and the students, whereby they are protected against any kind of victimization and are always provided with environment which is free from fear and is conductive to progress and for discharging their duties.

03/03/2020 PrintThe institution has taken the following measures to prevent sexual harassment. The campus is under CCTV camera surveillance.

The Suggestion boxes are kept at various locations in the campus to receive various difficulties uncounted by Lady Staffsand girl students.

Conducted workshops and training programmes at regular intervals for sensitizing the members.

By making awareness of the act and punishment for the sexual harassment of the women at workplace Act No 14 of 2013.

Due to these precautionary measures, no such an incident of women harassment has been happened till date in the campus.

**10.1.4 Delegation of financial powers** (10) Institute Marks : 10.00

1. Delegation of financial powers (10)

*Institution should explicitly mention financial powers delegated to the Principal, Heads of Departments and relevant in-charges. Demonstrate the utilization of financial powers for each year of the assessment years.*

Budgets for running the institution and department are very essential. These are prepared by every department before the commencement of the academic year. In this regard, Heads of the Departments, with senior faculties give the requisition to the Principal with regard to stationery, lab requirements, etc, for which budget allocations are approved by the Principal in discussion with the Management.

On the same lines, proposals are sent to the Principal for procuring new equipment for the labs, interactive technologies in the classrooms, and conduction of workshops / conferences/seminars by the Heads of Departments for which fund allocations are made.

The following is the power delegated for Principal, HODs and others. For the approved limit they can take decision as per the policy. They can utilize this amount for maintenance, servicing of equipments, guest lectures, workshop etc. Account section will arrange for payment with the formal approval of Principal.

A. Financial Power Delegated

**Table: Financial Powers Delegate and Utilization**

| S. No. | DESIGNATION | FINANCIAL POWER (In Rs.) |
|---|---|---|
| 1. | Principal | 50000 |
| 2. | HODs of Engineering Departments | 10000 |
| 3. | HODs of Basic Sciences | 10000 |

| | | |
|---|---|---|
| 4. | Head- Library information center | 5000 |

*Table: Revised Financial Powers Delegate and Utilization (from 2020-21 assessment year)*

| S. No. | DESIGNATION | FINANCIAL POWER (In Rs.) |
|---|---|---|
| 1. | Principal | 60000 |
| 2. | HODs of Engineering Departments | 15000 |
| 3. | HODs of Basic Sciences | 15000 |
| 4. | Head- Library information center | 6000 |

B. **Utilization of financial power**

| S. No. | DESIGNATION | FINANCIAL POWER (In Rs.) | Assessment Years | | | | |
|---|---|---|---|---|---|---|---|
| | | | 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 |
| **1.** | Principal | 50000 | 50000 | 50000 | 50000 | 50000 | 50000 |
| **2.** | HODs of Engineering Departments | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| **3.** | HODs of Basic Sciences | 10000 | 10000 | 10000 | 10000 | 10000 | 10000 |
| **4.** | Head- Library information center | 5000 | 5000 | 5000 | 5000 | 5000 | 5000 |

| S. No | DESIGNATION | FINANCIAL POWER (InRs.) | Assessment Years |
|---|---|---|---|
| | Print | | 2020-21 |
| 1. | Principal | 60000 | 60000 |
| 2. | HODs of Engineering Departments | 15000 | 15000 |
| 3. | HODs of Basic Sciences | 15000 | 15000 |
| 4. | Head- Library information Center | 6000 | 6000 |

**Utilization of financial power in percentage**

| S. No. | DESIGNATION | FINANCIAL POWER (In Rs.) | Assessment Years | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2019-20 | % | 2018-19 | % | 2017-18 | % | 2016-17 | % | 2015-16 | % |
| 1. | Principal | 50000 | 50000 | 100 | 50000 | 100 | 50000 | 100 | 50000 | 100 | 50000 | 100 |
| 2. | HODs of Engineering Departments | 10000 | 10000 | 100 | 10000 | 100 | 10000 | 100 | 10000 | 100 | 10000 | 100 |
| 3. | HODs of Basic Sciences | 10000 | 10000 | 100 | 10000 | 100 | 10000 | 100 | 10000 | 100 | 10000 | 100 |
| 4. | Head- Library information center | 5000 | 5000 | 100 | 5000 | 100 | 5000 | 100 | 5000 | 100 | 5000 | 100 |

| S. No. | DESIGNATION | FINANCIALPOWER (InRs.) | Assessment Years | |
|---|---|---|---|---|
| | | | 2020-21 | % |
| 1. | Principal | 60000 | 60000 | 100 |
| 2. | HODs of Engineering Departments | 15000 | 15000 | 100 |
| 3. | HODs of Basic Sciences | 15000 | 15000 | 100 |
| 4. | Head- Library information Center | 6000 | 6000 | 100 |

**10.1.5 Transparency and availability of correct/unambiguous information in public domain** (5) Institute Marks : 5.00

**10.1.5.1** College maintains transparency in all its operation and working. At the beginning of every semester, college brings out academic calendar that contains information of semester activities and the same is available in all the departments. Information on policies, rules, processes and its dissemination is made available to the stakeholders on the college website www.nsakcet.ac.in(http://www.nsakcet.ac.in).

**10.1.5.2** Dissemination and Availability of institute/program specific information through the web. All the specific information regarding students, faculty and staff is made available in the institution web sitewww.nsakcet.ac.in(http://www.nsakcet.ac.in)and in the college and departmental office as well.

10.2 **Budget Allocation, Utilization, and Public Accounting at Institute level** (30) Total Marks 30.00

**Utilization of allocated funds** (15) Institute Marks : 15.00

Funds are allocated by the Management of the College. Department Heads / Section-in-charges are intimated of the extent of funds allocated against their budget proposals. Major works like construction, up-gradation of existing infrastructure, procurement and maintenance of common utilities, house-keeping, procurement of furniture etc. are controlled directly by the Accounts officer. Actions for procurement of lab equipment, up-gradation of existing lab facilities, purchase of consumables etc. are initiated from the respective departments and the funds are released on a case by case basis from the accounts office of the college on approval by the Management. During the last three years, the budget was utilized to meet expenses such as staff salary, infrastructure development, purchase of equipment, expenses towards consumables and contingencies, travel etc. Almost 95% of the allocated budget provided by the management is effectively utilized by the institution for the last three years. The Table shows the percentage of funds utilization for the current financial year and for the last three years in institution level.

Table: Utilization of Allocated funds

| S.No. | Assessment Year | Budget Allocated inRs. | Actual Expenditure in Rs. | Percentage of Utilization |
|---|---|---|---|---|
| 1 | 2020-21 | 171900000 | 167001738 | 97.17 |
| 2 | 2019-20 | 14,15,85,200 | 13,95,39,392 | 98.55 |
| 3 | 2018-19 | 10,85,50,000 | 10,58,79,722 | 97.54 |
| 4 | 2017-18 | 10,71,50,000 | 10,30,55,515 | 96.17 |
| 5 | 2016-17 | 11,20,75,000 | 11,13,63,265 | 99.36 |

The yearly budget is prepared according to the needs & requirements of the departments taking into consideration of annual intake of students, laboratory & infrastructure developments. Students, faculty & staff requirements and promotions and latest technologies etc., Formal budget estimates will be prepared by each department and will be reviewed in HODs meeting with the Principal and the Secretary.

After deliberations formal budget made altered in departments and forwarded to Principal for preparing final budget at college level. The final budget is sent to Management for approval and sanction. The Management is approving almost 100% which was proposed by the institute. The budget allocation and utilization for the last three years is adequate. The Table shows the details of adequacy of budget allocation for the current financial year and for the last three years in institutional level.

Table: Budget allocation- Actual expenditure- Adequate/Inadequate

| S.No. | Assessment Year | Budget Allocated inRs. | Actual Expenditure in Rs. | Adequate/Inadequate |
|---|---|---|---|---|
| 1 | 2020-21 | 171900000 | 167001738 | Adequate |
| 2 | 2019-20 | 14,15,85,200 | 13,95,39,392 | Adequate |
| 3 | 2018-19 | 10,85,50,000 | 10,58,79,722 | Adequate |
| 4 | 2017-18 | 10,71,50,000 | 10,30,55,515 | Adequate |
| 5 | 2016-17 | 11,20,75,000 | 11,13,63,265 | Adequate |

**Summary of currentfinancial year's budget and actual expenditure incurred(for the institution exclusively)in the three previous financial years**

Total Income at Institute level: For CFY,CFYm1,CFYm2 & CFYm3
CFY : (Current Financial Year),
CFYm1 : (Current Financial Year minus 1),
CFYm2 : (Current Financial Year minus 2) and
CFYm3 : (Current Financial Year minus 3)

**Table 1 - CFY 2020-21**

| Total Income:16,58,64,773 | | | | Actual expenditure(till…):151,025,940 | | | Total No. Of Students:1526 |
|---|---|---|---|---|---|---|---|
| Fee | Govt. | Grants | Other sources(specify) Transport | Recurring including salaries | Non Recurring | Special Projects/Anyother, specify | Expenditure per student |
| 7,61,22,902 | 7,17,02,356 | 0 | 1,80,39515 | 102,480,711 | 48,545,229 | - | 98,968.55 |

**Table 2- CFYm1 2019-20**

| Total Income 160,951,347 | | | | Actual expenditure(till…): 155,578,550 | | | Total No. Of Students 1528 |
|---|---|---|---|---|---|---|---|
| Fee | Govt. | Grants | Other sources(specify) Transport | Recurring including salaries | Non Recurring | Special Projects/Anyother, specify | Expenditure per student |
| 48824825 | 78162875 | 0 | 33963647 | 94902915.5 | 60675634.5 | | 101818.42 |

**Table 3- CFYm2 2018-19**

| Total Income 129071773 | | | | Actual expenditure(till…): 104898522 | | |
|---|---|---|---|---|---|---|
| Fee | Govt. | Grants | Other sources(specify) Transport | Recurring including salaries | Non Recurring | Special Projects/Anyother, specify |
| 42719749 | 68576000 | 0 | 17776024 | 64331939 | 40566583 | |

**Table 4 – CFYm3 2017-18**

| Total Income 111208106 | | | | Actual expenditure(till…): 102294727 | | |
|---|---|---|---|---|---|---|
| Fee | Govt. | Grants | Other sources(specify) Transport | Recurring including salaries | Non Recurring | Special Projects/Anyother, specify |
| 55660903 | 41038340 | 0 | 14508863 | 63251077 | 39043650 | |

**Table 5 – CFYm4 2016-17**

| Total Income 112340398 | | | | | | Actual expenditure(till…): 109759326 |
|---|---|---|---|---|---|---|
| Fee | Govt. | Grants | Other sources(specify) Transport | Recurring including salaries | Non Recurring | Special Projects/Anyother, specify |
| 56921035 | 41606774 | 0 | 13812589 | 58100346 | 51658980 | |

| Items | Budget in 2020-2021 (Rs) | Expenditure in 2020-2021 (Rs) | Budget in 2019-2020 (Rs) | Expenditure in 2019-2020 (Rs) | Budget in 2018-2019 (Rs) | Expenditure in 2018-2019 (Rs) | Budget in 2017-2018 (Rs) | Expenditure in 2017-2018(Rs) | Budget in 2016-2017 (Rs) | Expenditure in 2016-2017 (Rs) |
|---|---|---|---|---|---|---|---|---|---|---|
| Infrastructure built up | 13320000 | 12400998 | 11,100,000 | 10,334,165 | 8,500,000 | 8,484,059 | 6,000,000 | 5,808,155 | 8,000,000 | 7,983,658 |
| Library | 1068000 | 1049708 | 890,000 | 874757 | 1,000,000 | 721550 | 900,000 | 887472 | 900,000 | 900,000 |
| Laboratory Equipment | 3240000 | 3214800 | 2,700,000 | 2,679,000 | 2,550,000 | 2,534,000 | 3,300,000 | 2,066,603 | 4,300,000 | 4,292,981 |
| Laboratory Consumables | 2700000 | 2657700 | 2,250,000 | 2,214,750 | 1,525,000 | 1,519,233 | 1,400,000 | 1,360,088 | 850,000 | 833,609 |
| Teaching and Non-Teaching Staff salaries | 87000000 | 87523200 | 72,500,000 | 72,936,000 | 65,000,000 | 62,610,704 | 65,000,000 | 62,578,136 | 57,500,000 | 57,007,216 |
| Maintenance and Spares | 1158000 | 1151653 | 965,460 | 959,711 | 600,000 | 548,964 | 590,000 | 589,412 | 6,950,000 | 6,914,700 |
| Software | 420000 | 360000 | 685,400 | 671,277 | 530,000 | 444,799 | 699,000 | 580,698 | 4,600,000 | 4,563,400 |
| R&D | 1590000 | 1572000 | 1,325,000 | 1,310,000 | 1,225,000 | 1,212,000 | 1,025,000 | 1,023,500 | 1,025,000 | 1,001,400 |
| Training & Travel | 312000 | 292978 | 260,000 | 244,148 | 500,000 | 472,500 | 450,000 | 426,030 | 800,000 | 755,175 |
| Miscellaneous Expenses | 492000 | 471976 | 410,000 | 393,313 | 500,000 | 476,754 | 250,000 | 232,200 | 100,000 | 80,427 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Others Specify #** | 60600000 | 56306725 | 48,189,140 | 46,922,271 | 26,620,000 | 26,855,159 | 27,536,000 | 27,503,221 | 27,050,000 | 27,030,699 |
| **Total** | **17190000** | **167001738** | **141,275,000** | **139,539,392** | **108,550,000** | **105,879,722** | **107,150,000** | **103,055,515** | **112,075,000** | **111,363,265** |

**10.3 Program Specific Budget Allocation, Utilization** (30)Total Marks 30.00 Institute Marks :

Total Income at Institute level: For CFY,CFYm1,CFYm2 & CFYm3

CFY: (Current Financial Year),

CFYm1 : (Current Financial Year minus 1),

CFYm2 : (Current Financial Year minus 2) and CFYm3

: (Current Financial Year minus 3)

Table 1:: CFY 2020-21

| Budget: 39537000 | | Actual expenditure (till…): 38410400 | | Total No. Of Students: |
|---|---|---|---|---|
| Non Recurring | Recurring | Non Recurring | Recurring | Expenditure per student |
| 23722200 | 7907400 | 7682080 | 23046240 | 103500 |

Table 2 :: CFYm1 2019-20

| BUDGET: 32,493,250 | | Actual expenditure (till…): 32,094,060 | | Total No. Of Students : 443 |
|---|---|---|---|---|
| Non Recurring | Recurring | Non Recurring | Recurring | Expenditure per student |
| 6498650 | 19495950 | 6418812 | 19256436 | 72,447.08 |

Table 3 :: CFYm2 2018-19

| BUDGET: 24,966,500 | | Actual expenditure (till…):24,352,336 | | Total No. Of Students : 463 |
|---|---|---|---|---|
| Non Recurring | Recurring | Non Recurring | Recurring | Expenditure per student |
| 4993300 | 14979900 | 4870467 | 14611401.6 | 52,596.83 |

Table 4:: CFYm3 2017-18

| BUDGET: 24,644,500 | | Actual expenditure (till…):23,702,768 | | Total No. Of Students : 436 |
|---|---|---|---|---|
| Non Recurring | Recurring | Non Recurring | Recurring | Expenditure per student |
| 4928900 | 14786700 | 4740554 | 14221660.8 | 54,364.14 |

Table 5 :: CFYm4 2016-17

| BUDGET: 25,777,250 | | Actual expenditure (till…):25,613,551 | | Total No. Of Students : 496 |
|---|---|---|---|---|
| Non Recurring | Recurring | Non Recurring | Recurring | Expenditure per student |
| 5155450 | 15466350 | 5122710 | 15368130.6 | 51,640.22 |

| Items | Budget in 2020-2021 (Rs) | Expenditure in 2020-2021 (Rs) | Budget in 2019-2020 (Rs) | Expenditure in 2019-2020 (Rs) | Budget in 2018-2019 (Rs) | Expenditure in 2018-2019 (Rs) | Budget in 2017-2018 (Rs) | Expenditure in 2017-2018 (Rs) | Budget in 2016-2017 (Rs) | Expenditure in 2016-2017(Rs) |
|---|---|---|---|---|---|---|---|---|---|---|
| Infrastructure built up | 3063600 | 2852230 | 2,553,000 | 2,376,858 | 1,955,000 | 1,951,334 | 1,380,000 | 1,335,876 | 1,840,000 | 1,836,241 |
| Library | 245640 | 241433 | 204,700 | 201,194 | 230,000 | 165,957 | 207,000 | 204,119 | 207,000 | 207,000 |
| Laboratory Equipment | 745200 | 739404 | 621,000 | 616,170 | 586,500 | 582,820 | 759,000 | 475,319 | 989,000 | 987,386 |
| Laboratory Consumables | 621000 | 611271 | 517,500 | 509,393 | 350,750 | 349,424 | 322,000 | 312,820 | 195,500 | 191,730 |
| Teaching and Non-Teaching Staff salaries | 20010000 | 20130336 | 16,675,000 | 16,775,280 | 14,950,000 | 14,400,462 | 14,950,000 | 14,392,971 | 13,225,000 | 13,111,660 |
| Maintenance and Spares | 266340 | 264880 | 222,056 | 220,734 | 138,000 | 126,262 | 135,700 | 135,565 | 1,598,500 | 1,590,381 |
| Software | 210000 | 180000 | 342,700 | 335,639 | 265,000 | 222,400 | 349,500 | 290,349 | 1,058,000 | 1,049,582 |
| R&D | 365700 | 361560 | 304,750 | 301,300 | 281,750 | 278,760 | 235,750 | 235,405 | 235,750 | 230,322 |
| Training & Travel | 71760 | 67385 | 59,800 | 56,154 | 115,000 | 108,675 | 103,500 | 97,987 | 184,000 | 173,690 |
| Miscellaneous Expenses | 113160 | 108554 | 94,300 | 90,462 | 115,000 | 109,653 | 57,500 | 53,406 | 23,000 | 18,498 |
| Others Specify # | 13824600 | 12853347 | 11,083,502 | 10,792,122 | 6,122,600 | 6,176,687 | 6,333,280 | 6,325,741 | 6,221,500 | 6,217,061 |
| **Total** | **39537000** | **38410400** | **32,493,250** | **32,094,060** | **24,966,500** | **24,352,336** | **24,644,500** | **23,702,768** | **25,777,250** | **25,613,551** |

**10.3.1 Adequacy of budget allocation** (10)

The allocated budget was used to meet the new facilities for equipment, replacement of outdated equipment and new labs due to revision in syllabi. Budget requirements under recurring and non-recurring heads are collected from every departments and sections before the commencement of the financial year. Allocations are made as per the availability of funds. Spending is monitored by the accounts section. The institution carefully monitors the expenses so that the necessities are met without affecting the smooth working of the institution. The management has been very efficiently doing this over the past several years that the institution never had any serious budget crunch that affected the functioning of the college. The Table shows the details of adequacy of budget allocation for the current financial year and for the last three years for the **Department of Civil Engineering.**

**A. Quantum of budget allocation for three years**

Budget tables will be given here

Table: Adequacy of budget allocation

| S.No. | Assessment Year | Budget Allocated inRs. | Actual Expenditurein Rs. | Adequate/ Inadequate |
|---|---|---|---|---|
| 1 | 2020-21 | 39537000 | 38410400 | Adequate |

| | | | | |
|---|---|---|---|---|
| 2 | 2019-20 | 3,25,64,596 | 3,20,94,060 | Adequate |
| 3 | 2018-19 | 2,49,66,500 | 2,43,52,336 | Adequate |
| 4 | 2017-18 | 2,46,44,500 | 2,37,02,768 | Adequate |
| 5 | 2016-17 | 3,35,30,000 | 2,56,13,551 | Adequate |

**B. Justification of budget allocated for three years**

The budget proposals for every academic year are prepared by the departments and submit to the college finance committee. The committee after through justification allocates the required budget to specific department.

The planning and finance committee carefully monitors the expenses so that the necessities are met without affecting the smooth working of the institution.

The management has been very efficiently providing sufficient budget over the past several years that the institution never had any serious budget crunch that affected the functioning of the college. The Table shows the details of adequacy of budget allocation for the current financial year and for the last three years for the department of **Civil Engineering**

**10.3.2 Utilization of allocated**

Funds are allocated by the Management of the College. Department Heads are intimated of the extent of funds allocated against their budget proposals. Actions for procurement of lab equipment, up-gradation of existing lab facilities, purchase of consumables, etc. are initiated from the department and the funds are released on a case by case basis from the accounts office of the college on approval by the Management. During the last three years, the budget was utilized to meet expenses like purchase of equipment, expenses towards consumables and contingencies, etc. The Table shows the percentage of funds utilization for the current financial year and for the last three years for the

**Department of Civil Engineering.**

Table: Utilization of allocated funds

| S.No. | Assessment Year | Budget Allocatedin Rs. | Actual Expenditurein Rs. | Percentage ofUtilization (%) |
|---|---|---|---|---|

| | | | | |
|---|---|---|---|---|
| 1 | 2020-21 | 39537000 | 38410400 | 97.17 |
| 2 | 2019-20 | 3,25,64,596 | 3,20,94,060 | 98.5 |
| 3 | 2018-19 | 2,49,66,500 | 2,43,52,336 | 97.5 |
| 4 | 2017-18 | 2,46,44,500 | 2,37,02,768 | 96.1 |
| 5 | 2016-17 | 3,35,30,000 | 2,56,13,551 | 75 |

**10.4 Library and Internet** (20) Total Marks 20.00

**10.4.1 Quality of learning resources (hard/soft)** (10)

Institute Marks :10.00

**10.4.1 Quality of learning resources**

The college has a computerized Central Library which is well equipped with a large collection of books under the categories of academics, reference and general. All the books are automated using the latest library management software to improve the efficiency of library housekeeping operations and provide speed service to the users. It is also collaborated with national information network agencies like DELNET, and provided Internet and Wi-Fi facility to access the required information.

The library also subscribes to both national and international magazines, journals and periodicals in addition to procuring leading national dailies. It is a book house of knowledge, where its prime motto is to guide every student in an appropriate way and pave the road to acquiring knowledge and thereby success. A student book bank is maintained in the library for greater benefit of the students.

The following **Table 10.4.1** provides the details of library

| S.No | Item | Quantity |
|---|---|---|
| 1 | Carpet Area of library (in m2) | 420 sq.m |
| 2 | Reading Space (in m2) | 150 sq.m |
| 3 | Number of Seats in reading space | 150 |
| 4 | Number of Users (Issue Book) per day | 80 |
| 5 | Number of Users (Reading Space) per day | 120 |
| 6 | Timings: On Working Days | 8:30 AM to 5:30 PM |
| | Timings: On Weekend | 8.30 AM to 6:00 PM |
| | Timings: On Holidays / Vacation | 9.00 AM to 4:20 PM |
| 7 | Number of Library Staff | 03 |

| | | |
|---|---|---|
| 8 | Number of Library Staff with degree in Lib. Mgmt. | 02 |
| 9 | Computerization for search, indexing, issue/return records | Yes |
| 10 | Bar Coding Used? | Yes |
| 11 | Library Services on Internet/Intranet | Yes |
| 12 | INDEST / DELNET and other similar membership? | DELNET |

The institute believes that self-learning and learning beyond syllabus have a great scope in the development of the career of an engineer. There is much to learn beyond the academic curriculum, to meet the Industry needs. This fact calls for the relevance of self-learning for young engineers. To cater to the growing needs of research and self-learning the institute has provided adequate facilities to make the users innovative and inventive. Motivation and Initiation for the same is provided by the faculty and encourage them to do things on their own so that they gain self-confidence and hands on experience in various projects. In this connection, the institute has provided the following facilities to the students to think outside the scope.

- Internet access with Wi-Fi connectivity
- Smart classrooms /Laboratories with audio visual aids
- Language lab, Computer Laboratories etc.

**Learning resources:**

- Online database and digital videos like (NPTEL Videos).

The Central Library is kept open beyond working hours for benefit of students as well as faculty.

The institute has a state of the art library with reprographic facilities and also includes a digital library.

The college has information resource center (Library and Digital Library) to cater to the needs of researchers.

- A Central library with well stocked books and journals
- suitable for research. E-journals and a large collection of e-books.
- Thirty high performance PC's with high speed internet access for digital librar users.

**COLLECTION:**

Library is having a rich collection comprising of Monographs (books), Reference books,

Journals. (Both Indian and Foreign) The following is an exhaustive list of books **(Dept. /**

**Branch / Subject wise Break up)** available in the library**.**

**BOOKS/JOURNALS – 2020-21**

**The below table gives the details of** :

| S.NO | COURSE | DEPT / BRANCH | TITLES | VOLUMES | INDIAN /FOREIGN JOURNALS | ON-LINE JOURNALS |
|---|---|---|---|---|---|---|
| 1 | BE, B .Tech | CIVIL | 505 | 3252 | INDIAN JOURNALS:-72 INTERNATIONAL JOURNALS :-24 | DELNET (DOWNLOADS, E-JOURNALS: 266) NDL, SWAYAM,NPTEL - DOWNLOAD VIDEOS : 108 |
| 2 | | EEE | 414 | 2726 | | |
| 3 | | ME | 362 | 3083 | | |
| 4 | | ECE | 517 | 2870 | | |
| 5 | | CSE | 1499 | 4328 | | |
| 6 | | IT | 333 | 2761 | | |
| | | H&S | 481 | 4577 | | |
| | | TOTAL ( UG ) | 4111 | 23597 | | |
| 1 | M .Tech | CIVIL (STRUC.) | 107 | 638 | | |
| 2 | | MECH (HVAC) | 91 | 455 | | |
| 3 | | ECE (EBEDED SYSTEMS) | 105 | 325 | | |
| 4 | | CSE (COMPUTER SCI.) | 172 | 597 | | |
| | | TOTAL ( PG ) | 475 | 2015 | | |

In addition to the above, the library has also received many timeless books/monographs as gift from the Principal and Philanthropists. In addition to the above, the library also subscribes to **10 NewspapersTotal number of titles and volumes for UG:**

| *Year* | *Number of titles* | *Number of volumes* |
|---|---|---|
| *2017-18* | *3107* | *15823* |
| *2018-19* | *3373* | *17279* |
| *2019-20* | *3417* | *17655* |
| *2020-21* | *4111* | *23597* |

**Number of books for HNS Department:**

| *Year* | *Number of new titles added* | *Number of new volumes added* |
|---|---|---|
| *2017-18* | *302* | *3735* |
| *2018-19* | *348* | *3998* |
| *2019-20* | *416* | *4140* |
| *2020-21* | *481* | *4577* |

Accessibility to students:

The information resources available in the Central Library are:

- Titles
- Reference books o Back Volumes o Volumes
- News Papers
- Project Reports
- National Programme Technology Enhanced Learning (NPTEL) video lectures o Working Hours
- Print Journals o Journals
- Magazines

**Support to students for self-learning activities :**

the college has a perennal code **library management system.**

**Details of Digital Library:**

The users can access the digital resources by using updated web browsers by using the

below URL in the campus network: Ø**http://164.100.247.26/delnet**

**e-Sources:**

- NPTEL can be accessed through digital library using the URL:http://ndl.iitkgp.ac.in/(http://nptel.iitm.ac.in/)
- CoEeRD (Centre of Excellence for e-Resource Development and Deployment) are kept available and can be accessed using

**URL:http://jntuk-coeerd.in/**

Also, every department has its own library with limited number of prescribed and referral volumes.

**10.4.1**

| | | |
|---|---|---|
| **A.** | **Digital Library** | **10 Pcs** |
| **B.** | **Reprographic Facilities** | **YES** |
| **C.** | **Printer Facilities** | **YES** |
| **D.** | **Scanner Facilities** | **YES** |
| **E.** | **Working Hours of Library** | **8:30 AM – 5:30 PM** |
| **F.** | **Seating Capacity** | **150** |
| **G.** | **Total Area of Library** | **420 Sq.m** |

**10.4.2 Internet** (10)

Institute Marks : 10.00

| | |
|---|---|
| Name of the Internet provider | ACT FIBER NET |
| Available band width 1 | 100 MBPS GBLOCK, 2. 300 MBPS EXAM BRANH,<br>3. 300MBPS ADMIN BLOCK,4. 300MBPS C-BLOCK. |
| | |
| WiFi availability | YES |
| Internet access in labs, classrooms, library and offices of all Departments etc. | YES |
| Security arrangements | YES |

# Annexure I

**(A) PROGRAM OUTCOME (POs)**

Engineering Graduates will be able to:

1. **Engineering Knowledge :** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem Analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

## Declaration

The head of the institution needs to make a declaration as per the format given -

- I undertake that, the institution is well aware about the provisions in the NBA's accreditation manual concerned for this application, rules, regulations, notifications and NBA expert visit guidelines inforce as on date and the institutes hall fully abide by them. It is submitted that information provided in this Self Assessment Report is factually correct.

12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

**(B) PROGRAM SPECIFIC OUTCOME (PSOs)**

| | |
|---|---|
| PSO1 | Develop a sound understanding of the concepts and the operational aspects of computer systems. |
| PSO2 | Apply ethical software development practices in providing real time solutions using latest development tools. |
| PSO3 | Demonstrate their adaptability to the ever evolving societal needs in multidisciplinary fields. |

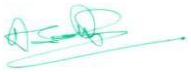
I understand and agree that an appropriate disciplinary action against the Institute willbe initiated by the NBA. In case, any false statement/information is observed during pre-visit, visit,

**Head of the Institute**

Name : DR. SYED ABDUL SATTAR
Designation :



PRINCIPAL
Signature :



Seal of The Institution :




**Place :** Hyderabad
**Date : 06**-04-2021 23:34:57