



# NAWAB SHAH ALAM KHAN COLLEGE OF ENGINEERING & TECHNOLOGY

( Approved by AICTE, Govt. of Telangana, Affiliated to JNTUH Hyderabad )

1/A, New Malakpet, Hyderabad - 500 024 | Email : nsakcet@gmail.com | Website : www.nsakcet.ac.in

No.1425 /NSAKCET/

Date : 01/05/19

## CERTIFICATE

This is to certify that the Project Report entitled NAWAB SHAH ALAM KHAN COLLEGE OF ENGINEERING AND TECHNOLOGY PROJECT ENTITLED "Quantity survey of G+3 residential building" submitted by following batch of B.tech IV-year Civil Engineering students,

Mr. SYED ABDUL FAIZ 15RT1A01E3

Mr. SYED HASHIR AHMED 15RT1A01E9

Mr. SHAIK OMER FAROOQ 15RT1A01D8

Ms. ZAINAB FATIMA ALI 15RT1A01G8

in the partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Civil Engineering from Jawaharlal Nehru Technological University Hyderabad in the month of April 2019.

  
**MOHD HUZAIFA YAMAN**

Assistant Professor & Guide

Department of Civil Engineering

  
**DR MOHAMMAD AHMED  
HUSSAIN**

Professor & Head

Department of Civil

Engineering

Dept. of Civil Engineering  
NAWAB SHAH ALAM KHAN COLLEGE  
OF ENGINEERING & TECHNOLOGY  
# 16-4-1/A, New Malakpet, Hyderabad 500024.

  
**EXTERNAL EXAMINER**

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



040-24525075  
☎ : 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.1434 /NSAKCET/

Date : 01/5/19

## CERTIFICATE

This is to certify that the Project Report entitled NAWAB SHAH ALAM KHAN COLLEGE OF ENGINEERING AND TECHNOLOGY PROJECT TITLE "ANALYSIS AND DESIGN G+5 COMMERCIAL BUILDING USING E-TABS" submitted by following batch of Btech IV-year Civil Engineering Students,

SHAIK ABDUL KHADAR

ROLL NO 15RT1A01D1

TAMEEM RAZA

ROLL NO 15RT1A01G4

UMAIR AHMED

ROLL NO 15RT1A01G5

AHSAN AHMED HUSSAIN

ROLL NO 15RT1A01H8

in the partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Civil Engineering from Jawaharlal Nehru Technological University Hyderabad in the month of April 2019.

  
MOHD AZHERUDDIN

Asst. Professor & Guide

Department of Civil Engineering

  
Dr. AHMED HUSSAIN

Professor & Head

Dept. of Civil Engineering

Department of Civil Engineering

OF ENGINEERING & TECHNOLOGY

# 16-4-1/A, New Malakpet, Hyderabad-500024.

  
EXTERNAL EXAMINER

  
PRINCIPAL

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





040-24525075  
☎ : 040-24576985

# NAWAB SHAH ALAM KHAN COLLEGE OF ENGINEERING & TECHNOLOGY

( Approved by AICTE, Govt. of Telangana, Affiliated to JNTUH Hyderabad )

1/A, New Malakpet, Hyderabad - 500 024 | Email : nsakcet@gmail.com | Website : www.nsakcet.ac.in

No.1483 /NSAKCET/

Date : 01/05/2019

## CERTIFICATE

This is to certify that the Project Report entitled "ANALYSIS AND DESIGN OF MULTISTORIED RESIDENTIAL BUILDING (G+5) USING ETABS" submitted by Mr. Mohd Abdul Muqsith, Mr. Mirza Nisar Baig, Mr. Mohd Awais Shah, and Mr. Mohd Shafeeq, in the partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Civil Engineering from Jawaharlal Nehru Technological University Hyderabad in the month of April 2019.

**MR. MD IMTIYAZ QURESHI**  
Professor & Guide  
Department of Civil Engineering

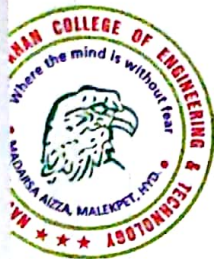
**Dr. MOHAMMAD AHMED HUSSAIN**  
Professor & Head

Department of Civil Engineering  
**Dept. of Civil Engineering**  
**NAWAB SHAH ALAM KHAN COLLEGE**  
**OF ENGINEERING & TECHNOLOGY**  
# 16-4-1/A, New Malakpet, Hyderabad-500024.

**EXTERNAL EXAMINER**

I

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



# NAWAB SHAH ALAM KHAN COLLEGE OF ENGINEERING & TECHNOLOGY

( Approved by AICTE, Govt. of Telangana, Affiliated to JNTUH Hyderabad )

6-4-1/A, New Malakpet, Hyderabad - 500 024 | Email : nsakcet@gmail.com | Website : www.nsakcet.ac.in

Ref. No.1353 /NSAKCET/

Date : 01/5/19.....

## CERTIFICATE


This is to certify that the Project work entitled, “ESTIMATION AND  
COSTING OF (G+2) RESIDENTIAL BUILDING”

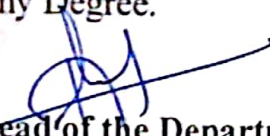
being submitted by the following batch of B.Tech. IV year Civil  
Engineering students.

|                       |            |
|-----------------------|------------|
| ABDUL ADIL KHAN       | 15RT1A0101 |
| M A SAMEER            | 15RT1A0121 |
| MOHAMMED ABDUL MUQEET | 15RT1A0150 |
| MOHAMMED ZEESHAN ALI  | 14S41A0138 |

In partial fulfillment of the requirement for the award of B.Tech. Degree in  
CIVIL ENGINEERING by JNTUH is a Bonafide record of work carried out by  
them, during the academic year 2018-2019, under our guidance and supervision.

The results obtained in this Project work have not been submitted to any other  
University or Institute for the award of any Degree.

  
Internal Supervisor & Guide

  
Head of the Department  
Dept. of Civil Engineering  
NAWAB SHAH ALAM KHAN COLLEGE  
OF ENGINEERING & TECHNOLOGY  
# 16-4-1/A, New Malakpet,  
Hyderabad-500 024, T.S.

  
EXTERNAL EXAMINER

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





040-24525075  
☎ : 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.1459 /NSAKCET/

Date : 01/5/19

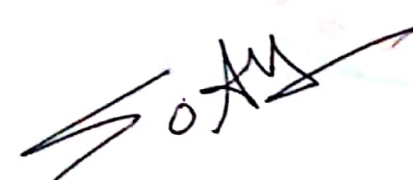
## CERTIFICATE


This is to certify that the Project work entitled, “ESTIMATION AND COSTING OF G+5 RESIDENTIAL BUILDING” being submitted by the following batch of B.Tech. IV year Civil Engineering students.


|                        |            |
|------------------------|------------|
| AHMED SAMEERUDDIN KHAN | 15RT1A0106 |
| DEEN MOHAMMED KHAN     | 15RT1A0112 |
| MIR MUSTAFA ALI KHAN   | 15RT1A0138 |
| MOHAMMED ABDUL SUBOOR  | 15RT1A0157 |

In partial fulfillment of the requirement for the award of B.Tech. Degree in CIVIL ENGINEERING by JNTUH is a Bonafide record of work carried out by them, during the academic year 2018-2019, under our guidance and supervision.

The results obtained in this project work have not been submitted to any other University or Institute for the award of any Degree.

  
Internal Supervisor & Guide

  
EXTERNAL EXAMINER

  
Dept. of Civil Engineering  
Head of the Department  
NAWAB SHAH ALAM KHAN COLLEGE  
OF ENGINEERING & TECHNOLOGY  
# 16-4-1/A, New Malakpet, Hyderabad-500024.

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



# NAWAB SHAH ALAM KHAN COLLEGE OF ENGINEERING & TECHNOLOGY

( Approved by AICTE, Govt. of Telangana, Affiliated to JNTUH Hyderabad )

6-4-1/A, New Malakpet, Hyderabad - 500 024 | Email : nsakcet@gmail.com | Website : www.nsakcet.ac.in

Ref. No.1478 /NSAKCET/

Date : 01/05/19

## CERTIFICATE

This is to certify that the Project work entitled, “ESTIMATION AND  
COSTING OF (G+3) RESIDENTIAL BUILDING”

being submitted by the following batch of B.Tech. IV year Civil  
Engineering students.

MIRZA ABID BAIG

15RT1A0141

MOHAMMAD SHOYABKHAN

15RT1A0145

M D SAMEER

16RT5A0109

M D ASLAM

16RT5A0108

In partial fulfillment of the requirement for the award of B.Tech. Degree in  
CIVIL ENGINEERING by JNTUH is a Bonafide record of work carried out by  
them, during the academic year 2018-2019, under our guidance and supervision.

The results obtained in this Project work have not been submitted to any other  
University or Institute for the award of any Degree.

Internal Supervisor & Guide

Head of the Department

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

EXTERNAL EXAMINER

PRINCIPAL  
Nawab Shah Alam Khan  
College of Engineering & Technology  
Malekpet, 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


Date: 30/05/2020

## CERTIFICATE

This is to certify that the Project Report entitled "ESTIMATION AND COSTING OF G+5 RESIDENTIAL BUILDING" submitted by Mr. MOHAMMED ABDUL RAHEEM SIDDIQUI (16E01A0135) Mr. MOHD ARSHAD AHMED (16E01A0145) Mr. SYED IMAD UDDIN (16E01A0146) Mr. MOHAMMED SOHAIL AHMED (16E01A0147) In the partial fulfillment of the requirement for the award of Degree of Bachelor of Technology In CIVIL ENGINEERING from Jawaharlal Nehru Technology University Hyderabad in month of April 2020.

  
Mr. MD HUZAIFA YAMAN  
Dept of Civil Engineering

  
EXTERNAL EXAMINER

  
Dr. S. AMARESH BABU  
Professor & Guide Professor & Head  
Dept of Civil Engineering  
Dept. of Civil Engineering  
NAWAB SHAH ALAM KHAN COLLEGE  
OF ENGINEERING & TECHNOLOGY  
# 16-4-1/A, New Malakpet, Hyderabad-500024.

  
PRINCIPAL

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

Note: Exam was Conducted  
online



☎ : 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


Date: 30/05/2020

## CERTIFICATE

This is to certify that the Project Report entitled “**ANALYSIS AND DESIGN OF RESIDENTIAL BUILDING**” submitted by **MR. MOHAMMED NAUSHAD ALI , MR. MUNEEED UR RAHMAN, MR. MOHD LIYAQUATH and Mx. MOHD HAROON HUSSAIN ,** in the partial fulfillment of the requirements for the award of degree of **Bachelor of Technology** in **Civil Engineering** from **Jawaharlal Nehru Technological University Hyderabad** in the month of **April 2019.—2020 .**

  
**MR. MOHD MUBASHEER SHAZEB**  
Assistant Professor  
Department of Civil Engineering

  
**EXTERNAL EXAMINER**

  
**Dr S. AMARESH BABU**  
Professor & Head  
Department of Civil Engineering  
Dept. of Civil Engineering  
**NAWAB SHAH ALAM KHAN COLLEGE**  
**OF ENGINEERING & TECHNOLOGY**  
# 16-4-1/A, New Malakpet, Hyderabad-500024.

  
**PRINCIPAL**

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

Note: Exam was Conducted  
Online





☎ : 040-245

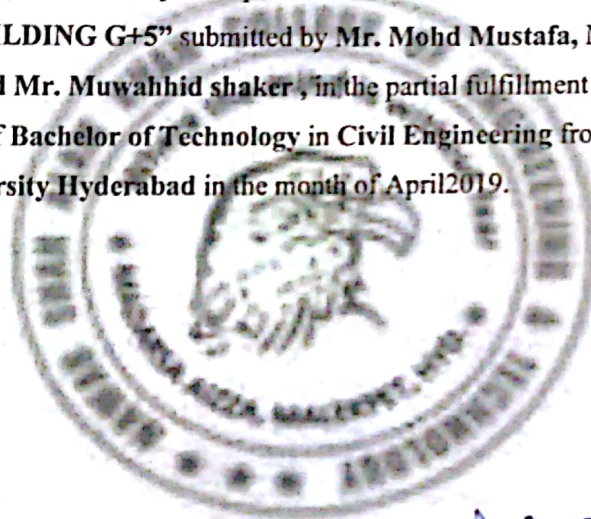
# NAWAB SHAH ALAM KHAN COLLEGE OF ENGINEERING & TECHNOLOGY

(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.org

Date: 30/5/2020

## CERTIFICATE

This is to certify that the Project Report entitled "ESTIMATION AND COSTING OF RESIDENTIAL BUILDING G+5" submitted by Mr. Mohd Mustafa, Mr. Mohammed Mujahed Ahmed and Mr. Muwahhid shaker, in the partial fulfillment of the requirements for the award of degree of Bachelor of Technology in Civil Engineering from Jawaharlal Nehru Technological University Hyderabad in the month of April 2019.



Mr. Syed Khaleelullah Shah Quadri  
Asst Professor  
Department of Civil Engineering

EXTERNAL EXAMINER

Dr. S Amresh Babu  
Professor & Head  
Department of Civil Engineering  
Dept. of Civil Engineering  
NAWAB SHAH ALAM KHAN COLLEGE  
OF ENGINEERING & TECHNOLOGY  
# 16-4-1/A, New Malakpet, Hyderabad-500024.

PRINCIPAL

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

Note: Exam was conducted  
online



040-24576985

# NAWAB SHAH ALAM KHAN COLLEGE OF ENGINEERING & TECHNOLOGY


( Approved by AICTE, Govt. of Telangana, Affiliated to JNTUH Hyderabad )

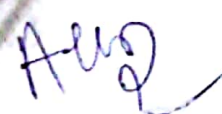
# 16-4-1/A, New Malakpet, Hyderabad - 500 024 | Email : nsakcet@gmail.com | Website : www.nsakcet.ac.in

Date: 29/05/2020

## CERTIFICATE

This is to certify that the Project Report entitled "EXPERIMENTAL INVESTIGATION ON CONCRETE BY ADDITION OF COIR FIBRE" submitted by Mr. MOHD MOHSIN ALI QURESHI 16RT1A01B8, Mr. AHMED MOHAMMED 16RT1A01H0, Mr. MOHD JUNAID GHANI KHASIM 16RT1A0198, Mr. Abdul RAHMAN 17RT5A0115 in the partial fulfilment of the requirements for the award of degree of Bachelor of Technology in Civil Engineering from Jawaharlal Nehru Technological University Hyderabad in the month of April 2020.

  
**Mr. MOHD MUBASHEER SHAHZEER**  
Asst. Professor  
Department of Civil Engineering

  
**DR. S. AMARESH BABU**  
Professor & Head  
Department of Civil Engineering  
Dept. of Civil Engineering  
NAWAB SHAH ALAM KHAN COLLEGE  
OF ENGINEERING & TECHNOLOGY  
# 16-4-1/A, New Malakpet, Hyderabad-500024.

  
**EXTERNAL EXAMINER**

  
**PRINCIPAL**

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

Note: Exam was conducted  
online.





# 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.

## CERTIFICATE

Date : 29/6/21

This is to certify that the Project work entitled, “ESTIMATION AND COSTING OF (G+5) RESIDENTIAL BUILDING” being submitted by the following batch of B.Tech IV year II Semester Civil Engineering Students.

Mr. MOHD MUSHRAF ANWAR  
Mr. MOHD MUZAFFER ALI SAJJAD  
Mr. MOHD MUZZAMMIL  
Mr. MOHD SAFIUDDIN SHAHBAZ


17RT1A01A1  
17RT1A01A2  
17RT1A01A3  
17RT1A01A7

in partial fulfillment of the requirements for the award of B.Tech. Degree in CIVIL Engineering by JNTUH is a Bonafide record of work carried out by them, during the Academic Year 2020-2021, under our guidance and supervision.

The results embodied in this Project work have not been submitted to any other University or Institute for the award of any Degree.

  
Internal Guide

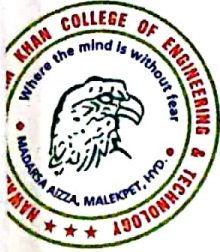
  
Project Coordinator  
Mr. MOHD ZAKIR

  
Head of the Department  
Prof. SYED FARRUKH ANWAR  
Dept. of CIVIL ENGINEERING  
NAWAB SHAH ALAM KHAN COLLEGE  
OF ENGINEERING & TECHNOLOGY  
# 16-4-1/A, New Malakpet, Hyderabad-500024.

  
External Examiner

  
Principal  
Dr. SYED ABDUL SATTAR

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



# 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.

## CERTIFICATE

Date : 29.6.21.....

This is to certify that the Project work entitled, “ANALYSIS AND DESIGN OF RESIDENTIAL BUILDING (G+4)” being submitted by the following batch of B.Tech IV year II Semester Civil Engineering Students.


Mr. MOHD MUSHARAF ALI  
Mr. MOHD SHOAIB  
Mr. MOHD YASEEN  
Mr. NAZISH ALI KHAN


17RT1A01A0  
17RT1A01B0  
17RT1A01B6  
17RT1A01B8


in partial fulfillment of the requirements for the award of B.Tech. Degree in CIVIL Engineering by JNTUH is a Bonafide record of work carried out by them, during the Academic Year 2020-2021, under our guidance and supervision.

The results embodied in this Project work have not been submitted to any other University or Institute for the award of any Degree.

  
Internal Guide

  
Project Coordinator  
Mr. MOHD ZAKIR

  
Head of the Department  
Prof. SYED FARRUKH ANWAR  
Dept. of Civil Engineering  
NAWAB SHAH ALAM KHAN COLLEGE  
OF ENGINEERING & TECHNOLOGY  
# 16-4-1/A, New Malakpet, Hyderabad-500024.

  
External Examiner

  
Principal  
Dr. SYED ABDUL SATTAR  
PRINCIPAL  
Nawab Shah Alam Khan  
College of Engineering & Technology  
New Malakpet, Hyderabad-500024.





# NAWAB SHAH ALAM KHAN COLLEGE OF ENGINEERING & TECHNOLOGY

( Approved by AICTE, Govt. of Telangana, Affiliated to JNTUH Hyderabad )

6-4-1/A, New Malakpet, Hyderabad - 500 024 | Email : nsakcet@gmail.com | Website : www.nsakcet.ac.in

Ref. No.

Date : 29/6/21

## CERTIFICATE


This is to certify that the Project work entitled, "PROJECT MANAGEMENT OF RESIDENTIAL APARTMENT USING PRIMAVERA P6" being submitted by the following batch of B.Tech IV year II Semester Civil Engineering Students.


|                         |            |
|-------------------------|------------|
| Mr. MD TOUFEEQ          | 15RT1A0137 |
| Mr. HUZAIFA SYED ASIF   | 16RT1A0114 |
| Mr. KHAJA MOHSIN UDDIN  | 16RT1A0119 |
| Mr. SHAHZAN KHAN        | 16RT1A01D6 |
| Mr. MOHD KASHIF QURESHI | 16RT1A01H1 |

in partial fulfillment of the requirements for the award of B.Tech. Degree in CIVIL Engineering by JNTUH is a Bonafide record of work carried out by them, during the Academic Year 2020-2021, under our guidance and supervision.

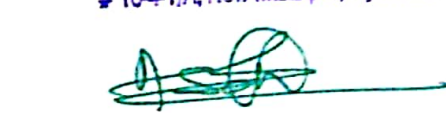
The results embodied in this Project work have not been submitted to any other University or Institute for the award of any Degree.

  
Internal Guide

  
Project Coordinator  
Mr. MOHD ZAKIR

  
Head of the Department  
Prof. SYED FARRUKH ANWAR  
Dept. of Civil Engineering  
NAWAB SHAH ALAM KHAN COLLEGE  
OF ENGINEERING & TECHNOLOGY  
# 16-4-1/A, New Malakpet, Hyderabad-500024.

  
External Examiner

  
Principal  
Dr. SYED ABDUL SATTAR  
PRINCIPAL  
Nawab Shah Alam Khan  
College of Engineering & Technology  
New Malakpet, Hyderabad-500024.



# 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.

Date : 28/6/21

## CERTIFICATE

This is to certify that the Project work entitled, "ESTIMATION AND COSTING OF RESIDENTIAL BUILDING (G+5)" being submitted by the following batch of B.Tech IV year II Semester Civil Engineering Students.

Mr. SHAIK ABRAR HUSSAIN  
Mr. MOHAMMED SOHAIL  
Mr. SYED MAJID ALI  
Mr. MOHD ABDUL MUBEEN

17RT1A01C4  
17RT1A01C7  
17RT1A01E7  
17RT1A01G2

in partial fulfillment of the requirements for the award of B.Tech. Degree in CIVIL Engineering by JNTUH is a Bonafide record of work carried out by them, during the Academic Year 2020-2021, under our guidance and supervision.

The results embodied in this Project work have not been submitted to any other University or Institute for the award of any Degree.

Internal Guide

Project Coordinator  
Mr. MOHD ZAKIR

Head of the Department  
Prof. SYED FARRUKH ANWAR  
Dept. of Civil Engineering  
NAWAB SHAH ALAM KHAN COLLEGE  
OF ENGINEERING & TECHNOLOGY  
# 16-4-1/A, New Malakpet, Hyderabad-500024.

External Examiner

Principal  
Dr. SYED ABDUL SATTAR

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





# NAWAB SHAH ALAM KHAN COLLEGE OF ENGINEERING & TECHNOLOGY

( Approved by AICTE, Govt. of Telangana, Affiliated to JNTUH Hyderabad )

3-4-1/A, New Malakpet, Hyderabad - 500 024 | Email : nsakcet@gmail.com | Website : www.nsakcet.ac.in

Ref. No.

## CERTIFICATE

Date : 28/6/21

This is to certify that the Project work entitled, "ANALYSIS AND DESIGN OF RESIDENTIAL BUILDING" being submitted by the following batch of B.Tech IV year II Semester Civil Engineering Students.

Mr. MOHAMMED AHMED ULLAH KHAN  
Mr. MOHAMMED MOHSIN  
Mr. MOHAMMED RASHIDUDDIN  
Mr. MOHAMMED SHUJAUDDIN

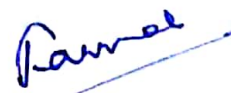
18RT5A0117  
18RT5A0119  
18RT5A0120  
18RT5A0123

in partial fulfillment of the requirements for the award of B.Tech. Degree in CIVIL Engineering by JNTUH is a Bonafide record of work carried out by them, during the Academic Year 2020-2021, under our guidance and supervision.


The results embodied in this Project work have not been submitted to any other University or Institute for the award of any Degree.

  
Internal Guide

  
Project Coordinator  
Mr. MOHD ZAKIR

  
Head of the Department  
Prof. SYED FARREKHANWAS  
Nawab Shah Alam Khan College  
OF ENGINEERING & TECHNOLOGY  
# 16-4-1/A, New Malakpet, Hyderabad-500024.

  
External Examiner

  
Principal  
Dr. SYED ABDUL SATTAR  
PRINCIPAL  
Nawab Shah Alam Khan  
College of Engineering & Technology  
New Malakpet, Hyderabad-500024.



☎ : 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.

Date : 28/06/21.....

## CERTIFICATE

This is to certify that the Project work entitled, "ANALYSIS AND DESIGN OF (G+5) HOSPITAL BUILDING USING STAAD PRO" being submitted by the following batch of B.Tech IV year II Semester Civil Engineering Students.


Mr. MOHAMMED SAYEED  
Mr. SYED FAZEEL AHMED  
Mr. MOHAMMED ABDUL RASHEED

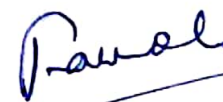
17E01A0112  
17E01A0118  
17E01A0120

in partial fulfillment of the requirements for the award of B.Tech. Degree in CIVIL Engineering by JNTUH is a Bonafide record of work carried out by them, during the Academic Year 2020-2021, under our guidance and supervision.

The results embodied in this Project work have not been submitted to any other University or Institute for the award of any Degree.

  
Internal Guide

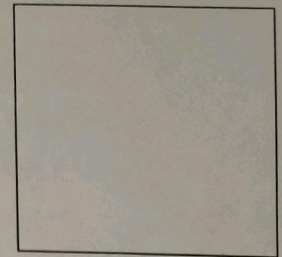
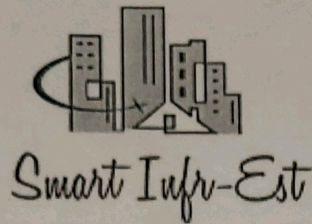
  
Project Coordinator  
Mr. MOHD ZAKIR

  
Head of the Department  
Prof. SYED FARRUKH ANWAR  
Dept. of Civil Engineering  
NAWAB SHAH ALAM KHAN COLLEGE  
OF ENGINEERING & TECHNOLOGY  
# 16-4-1/A, New Malakpet, Hyderabad-500024.

  
External Examiner

  
Principal  
Dr. SYED ABDUL SATTAR  
PRINCIPAL  
Nawab Shah Alam Khan  
College of Engineering & Technology  
New Malakpet, Hyderabad-500024.





UNIQUE CODE: SIE .....

## CERTIFICATE OF INTERNSHIP

**WE PRESENT THIS CERTIFICATE TO**

**Mr/Ms MOHAMMED BASEER ULLAH**

In appreciation for your successful work as an intern in Smart Infr-EST – GHMC Housing Project. The internship done for 30 days during 15<sup>th</sup> May 2019 to 15<sup>th</sup> July 2019.

We found him/ her sincere, hardworking, dedicated and result oriented. She/ He worked well as part of the team during his/ her tenure.

We appreciate your hard work and we wish you a very successful future.

**Awarded on Dt: 16/07/2019**

**Er. T. Prashanth**  
Coordinator Smart Infr-EST

**Er. P. Surya Prakash,**  
Mentor Smart Infr-EST







**Smart Infrastructural Engineering Services Trust**

*Connecting ideas through fellowship*

Reg. No. 72/2016



## **CERTIFICATE OF INTERNSHIP**

**WE PRESENT THIS CERTIFICATE TO**

**Mr/Ms SYED MOHAMMED ISHAQUI**

In appreciation for your successful work as an intern in Smart Infr-EST – GHMC Housing Project. The internship done for 30 days during 15<sup>th</sup> May 2019 to 15<sup>th</sup> July 2019.

We found him/ her sincere, hardworking, dedicated and result oriented. She/ He worked well as part of the team during his/ her tenure.

We appreciate your hard work and we wish you a very successful future.

**Awarded on Dt: 16/07/2019**

**Er. T. Prashanth**  
Coordinator Smart Infr-EST

**Er. P. Surya Prakash,**  
Mentor Smart Infr-EST



**A-401, Kushal Towers, Khairatabad, Hyderabad-500004**

Contact No. : +91-9393348484

Website: [www.smartinfrest.in](http://www.smartinfrest.in)





**ZAKI & ASSOCIATES**  
**STRUCTURAL ENGINEERS**

**ZAKI AHMED**  
Consulting Engineer

Date : 01-11-2019

**TO WHOM SO EVER THIS MAY CONCERN**

This is certify that **Mohd Basheerullah S/o Mohd Samiullah** is a student of Nawab Shah Alam Khan college of Engineering and Technology ,Studying B Tech (Civil) has completed Training project Work at **PITTI BHAVAN – NAMPALLY** from 5<sup>th</sup> - August 2019 to 5<sup>th</sup> - October2019.

His conduct during the Training period has been good.

**ZAKI AHMED**  
**ZAKI & ASSOCIATES**  
**STRUCTURAL ENGINEERS**  
Consulting Engineer  
1-6-10, 4th Floor, Anasuya Commercial Complex  
Himayathnagar, HYDERABAD-500 029





Date : 01-11-2019

**TO WHOM SO EVER THIS MAY CONCERN**

This is certify that **Mohd Mansoor S/o Mohd Zahoor** is a student of Nawab Shah Alam Khan college of Engineering and Technology ,Studying B Tech (Civil) has completed Training project Work at **PITTI BHAVAN – NAMPALLY** from 5<sup>th</sup> - August 2019 to 5<sup>th</sup> - October2019.

His conduct during the Training period has been good.

**ZAKI AHMED**  
**ZAKI & ASSOCIATES**  
**Consulting Engineer**  
**STRUCTURAL ENGINEERS**  
H.No. 3-6-10, 4th Floor, Anasuya Commercial Complex  
Himayathnagar, HYDERABAD-500 029



भारत रात्रा  
NHAI

## भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

### National Highways Authority of India

(Ministry of Road Transport & Highways)

क्षेत्रीय कार्यालय - हैदराबाद

प्रथम तल, नया भवन, भारतीय पश्चात्तनिक स्टाफ कॉलेज, कॉलेज पार्क कॉम्पस, रोड नंबर-3, बंजारा हिल्स, हैदराबाद-500 034. तेलंगाना

Regional Office - Hyderabad,

First Floor, New Building, Administrative Staff College of India (ASCI), College Park Campus, Road No. 3, Banjara Hills, Hyderabad - 500 034, Telangana.

टेली / Tele : 040 - 29562147 /48

ई-मेल / E-mail : rohyderabad@nhai.org  
nhairohyd@gmail.com

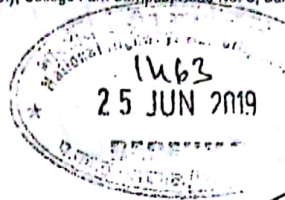


भारतमाला  
भारत के रात्रा  
SHARATMALA  
ROAD TO PROSPERITY

NHAI/RO-HYD/11021/5/Yad-War/2/841

Date: 24/06/2019

To  
The Project Director  
National Highways Authority of India  
PIU, H.No.1-8-630, Balasamudram,  
Hanamkonda, Warangal - 506 001



Sub: RO-Hyderabad - Students of Nawab Shah Alam Khan College of Engineering and Technology -  
Permission for visit of highway construction site for preparation of Mini Project (PPT) - Reg.

Ref: Representation of Students of Nawab Shah Alam Khan College of Engineering and Technology  
dated 21.06.2019

\*\*\*\*\*

Sir,

Please find enclosed herewith a copy of reference cited, received from Students of Nawab Shah Alam Khan College of Engineering and Technology wherein, it has been requested that Permission for visit of highway construction site for preparation of Mini Project (PPT).

In this regard, PD, PIU, Warangal is requested to take further necessary action.

Yours faithfully,

Encl: As above.

(V. Nagamani)

Dy. General Manager(Tech.)  
for Regional Officer, Hyderabad

Forwarded to

Team Leader, M/s TES, Jangaon, with a request  
to guide Six (6) students of NSAK college of Eng &  
Technology, for their proposed Mini Project, which  
they would like to do on four lane of highway of  
NH 163".

Managing Director

**SYED KHAJA NISAR ALI**

B.TECH (CIVIL) M.TECH (STRUCTURES)

*Emaar*  
**CONSTRUCTIONS**

PLAN DESIGN BUILD

Date 20-06-2019

To

Mr. Syed Mudassir Hussain

Nawab Shah Alam Khan College of Engineering & Technology

Hyderabad

**TO WHOM SO EVER IT MAY CONCERN**

This is to certify that Mr.Syed Mudassir Hussain son of Mr.Syed Meraj Hussain student of B.tech has succesfully completed one month internship (15<sup>th</sup> may to 15<sup>th</sup> june 2019) short term internship program under the title **ESTIMATION COSTING** at our one of the project **EMAARAT APARTMENTS AT KINGS AVENUE COLONY**. During the period of internship program with us we found him punctual, hardwoking & sincere.

We wish him every success in his life.

*Nisar*

Managing Director

**SYED KHAJA NISAR ALI**

B.TECH (CIVIL) M.TECH (STRUCTURES)

**EMAARAT CONSTRUCTIONS**

STAMP & SIGN

MANAGING DIRECTOR



OFFICIAL SEAL

Beside King Khaja Hotel, Midhani 'X' Road, Pisal Banda, Hyderabad - 59. T.S. INDIA

Cell : +91-9700005953

Email : emaaratconstructions01@gmail.com / www.emaaratconstructions.com



: Emaar Constructions



Managing Director

**SYED KHAJA NISAR ALI**

B.TECH (CIVIL) M.TECH (STRUCTURES)

*Emaar*  
**CONSTRUCTIONS**

PLAN DESIGN BUILD

Date 20-06-2019

To

Mr Syed Fawaz Hashmi

Nawab Shah Alam Khan College of Engineering & Technology

Hyderabad

**TO WHOM SO EVER IT MAY CONCERN**

This is to certify that Mr.Syed Fawaz Hashmi son of Mr.Syed Anees ul Hashmi student of B.tech has successfully completed one month internship (15<sup>th</sup> may to 15<sup>th</sup> june 2019) short term internship program under the title **ESTIMATION COSTING** at our one of the project **EMAARAT APARTMENTS AT KINGS AVENUE COLONY**. During the period of internship program with us we found him punctual, hardworking & sincere.

We wish him every success in his life.

*Nisar*

Managing Director

**SYED KHAJA NISAR ALI**

B.TECH (CIVIL) M.TECH (STRUCTURES)

**EMAARAT CONSTRUCTIONS**

STAMP & SIGN

MANAGING DIRECTOR



OFFICIAL SEAL

Beside King Khaja Hotel, Midhani 'X' Road, Pisal Banda, Hyderabad - 59. T.S. INDIA

Cell : +91-9700005953

Email : [emaaratconstructions01@gmail.com](mailto:emaaratconstructions01@gmail.com) / [www.emaaratconstructions.com](http://www.emaaratconstructions.com)

   : Emaar Constructions



# Promarg Consultants Private Limited

CIN : U74900TG2016PTC102679

GST : 36AAICP4246Q1ZR

1-2-597/36, C Block - 203,  
SVSS Sankalp  
Ramakrishna Matam Road,  
Hyderabad - 500080.  
Ph : 9949230154  
Cell : 9000550154  
gnmr2003@gmail.com

## CERTIFICATE OF INTERNSHIP

WE PRESENT THIS CERTIFICATE TO

Mr. SYED MINHAJ UDDIN AHMED



Roll No:-17RT5A0135

Appreciation for the successful work as an intern in Promarg Consultants Pvt Ltd using Government of Telangana Road and Building Departments [constructions of Flyovers Bridge at Shamshabad.] project. The internship done for 30days during [15-June 2019 to 15-July 2019]

I found him sincere, hardworking, and dedicated result oriented. He worked well as a part of the team during his tenure.

Appreciate your hard work and we wish you a very successful future.

Awarded on Dt:-01-August-2019

B.V.NIRANJAN KUMAR

Director-Projects

PROMARG CONSULTANTS Pvt. Ltd.





# Promarg Consultants Private Limited

CIN : U74900TG2016PTC102679

GST : 36AAICP4246Q1ZR

1-2-597/36, C Block - 203,  
SVSS Sankalp  
Ramakrishna Matam Road,  
Hyderabad - 500080.  
Ph : 9949230154  
Cell : 9000550154  
gnmr2003@gmail.com

**CERTIFICATE OF INTERNSHIP**  
**WE PRESENT THIS CERTIFICATE TO**  
**Mr. SYED ILYAS AHMED**



Roll No:-17RT5A0133

Appreciation for the successful work as an intern in Promarg Consultants Pvt Ltd using Government of Telangana Road and Building Departments [constructions of Flyovers Bridge at Shamshabad.] project. The internship done for 30days during [15-June 2019 to 15-July 2019]

I found him sincere, hardworking, and dedicated result oriented. He worked well as a part of the team during his tenure.

Appreciate your hard work and we wish you a very successful future.

Awarded on Dt:-01-August-2019

**B.V. NIRANJANA KUMAR**

Director-Projects

PROMARG CONSULTANTS Pvt. Ltd.



# Promarg Consultants Private Limited

CIN : U74900TG2016PTC102679

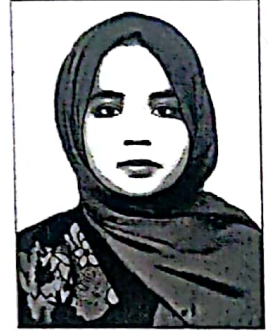
GST : 36AAICP4246Q1ZR

1-2-597/36, C Block - 203,  
SVSS Sankalp  
Ramakrishna Matam Road,  
Hyderabad - 500080.  
Ph : 9949230154  
Cell : 9000550154  
gnmr2003@gmail.com

## CERTIFICATE OF INTERNSHIP

### WE PRESENT THIS CERTIFICATE TO

Miss. REDA TAUFEEQ MAHWEIN



Roll No:-16RT1A01D1

Appreciation for the successful work as an intern in Promarg Consultants Pvt Ltd using Government of Telangana Road and Building Departments [constructions of Flyovers Bridge at Shamshabad.] project. The internship done for 30days during [15-June 2019 to 15-July 2019]

I found her sincere, hardworking, and dedicated result oriented. She worked well as a part of the team during her tenure.

Appreciate your hard work and we wish you a very successful future.

Awarded on Dt:-01-August-2019

B.V.NIRANJAN KUMAR

Director-Projects

PROMARG CONSULTANTS Pvt. Ltd.





# Promarg Consultants Private Limited

CIN : U74900TG2016PTC102679

GST : 36AAICP4246Q1ZR

1-2-597/36, C Block - 203,  
SVSS Sankalp  
Ramakrishna Matam Road,  
Hyderabad - 500080.  
Ph : 9949230154  
Cell : 9000550154  
gnmr2003@gmail.com

## CERTIFICATE OF INTERNSHIP

WE PRESENT THIS CERTIFICATE TO

Mr. MOHAMMED ABDUL RAHMAN



Roll No:-17RT5A0116

Appreciation for the successful work as an intern in Promarg Consultants Pvt Ltd using Government of Telangana Road and Building Departments [constructions of Flyovers Bridge at Shamshabad.] project. The internship done for 30days during [15-June 2019 to 15-July 2019]

I found him sincere, hardworking, and dedicated result oriented. He worked well as a part of the team during his tenure.

Appreciate your hard work and we wish you a very successful future.

Awarded on Dt:-01-August-2019

B.V.NIRANJANA KUMAR

Director-Projects

PROMARG CONSULTANTS Pvt. Ltd.

Managing Director

**SYED KHAJA NISAR ALI**  
B.TECH (CIVIL) M.TECH (STRUCTURES)

*Emaar*  
**CONSTRUCTIONS**

PLAN DESIGN BUILD

Date 20-06-2019

To

Mr. Md Abdul Raheem Siddiqui

Nawab Shah Alam Khan College of Engineering & Technology

Hyderabad

**TO WHOM SO EVER IT MAY CONCERN**

This is to certify that Mr.Md Abdul Raheem Siddiqui son of Mr.Md Jaweed Siddiqui student of B.tech has succesfully completed one month internship (15<sup>th</sup> may to 15<sup>th</sup> june 2019) short term internship program under the title **ESTIMATION COSTING** at our one of the project **EMAARAT APARTMENTS AT KINGS AVENUE COLONY**. During the period of internship program with us we found him punctual, hardworking & sincere.

We wish him every success in his life.

*Nisar*

Managing Director  
**SYED KHAJA NISAR ALI**  
B.TECH (CIVIL) M.TECH (STRUCTURES)  
**EMAARAT CONSTRUCTIONS**

STAMP & SIGN

MANAGING DIRECTOR




OFFICIAL SEAL

Beside King Khaja Hotel, Midhani 'X' Road, Pisal Banda, Hyderabad - 59. T.S. INDIA

Cell : +91-9700005953

Email : [emaaratconstructions01@gmail.com](mailto:emaaratconstructions01@gmail.com) / [www.emaaratconstructions.com](http://www.emaaratconstructions.com)

 Emaar Constructions

Scanned by CamScanner



Ref : ICS/DS/013/21

27<sup>th</sup> December, 2021

### INTERNSHIP LETTER

This is to certify that **Mr. Yaseen Khan** was under internship program by Imarat Consulting Services from 25 October, 2021 to 25 December, 2021. He worked as a “**Site Engineer Trainee**” for a duration of Three month. During this tenure with us, he handled given responsibilities diligently.

We found him honest and hardworking and we have no hesitation to recommend him to any prospective employer who may need his services.

We wish him success in his future endeavors.



**Liaqat Hussaini**  
**Director of Operations**

HYDERABAD METROPOLITAN WATER SUPPLY AND SEWERAGE BOARD

OFFICE OF THE DIRECTOR-TECHNICAL  
KHAIRATABAD: HYDERABAD - 500 004.

Memo.No: DT/DCE-S7/19-20/

Dated .08.19

Sub: HMWSSB – Permission to B.Tech Civil Engineering students (70 Nos) & 4-5 staff members of Nawab Shah Alam Khan College of Engineering & Technology to visit Gandipet as part of curriculum & industrial on 03.08.2019. –Permission Accorded – Forwarding the Institution Letter copy for immediate follow-up action – Regarding.

Ref: Letter from Principal, Nawab Shah Alam Khan College of Engineering & Technology, Dated: 24.07.2019.

While communicating copy of reference letter cited, the General Manager (Engg.), O&M Division No: XVII, HMWSSB is requested to bestow her personal attention and allow the B.Tech Civil Engineering students (70 Nos) & 4-5 staff members of Nawab Shah Alam Khan College of Engineering & Technology to visit Gandipet as part of curriculum & industrial visit on 03.08.2019 under O&M Division No: XVII, in her jurisdiction duly taking all precautionary measures as per procedure in vogue.

Further, the General Manager (Engg.), O&M Div XVII is requested to arrange for guidance and technical support to the visiting Students.

Sd/-  
DIRECTOR-TECHNICAL.

Encl: as above  
(1 Sheet)

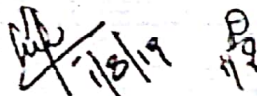
To  
The General Manager (Engg.)  
O&M Division No: XVII, HMWSSB.

Copy to the Principal, Nawab Shah Alam Khan College of Engineering & Technology, New Malakpet, Hyderabad-500 024; for information.

// Authenticated //



Dy. Chief Engineer  
DT Office: HMWSSB







# 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

### DEPT OF CIVIL ENGINEERING

Date: 02/08/2019

### CIRCULAR

All the Staff and Students of B.Tech III & IV year are hereby informed that this Department is conducting a Technical Visit to Arch Dam at OsmanSagar (Gandipet) on 03-08-2019; All Students are advised to participate positively and get enriched with the Technical knowledge.

(Dr. S. Amaresh Babu)

Head

Dept of Civil Engineering  
Dept. of Civil Engineering  
NAWAB SHAH ALAM KHAN COLLEGE  
OF ENGINEERING & TECHNOLOGY  
# 18-4-1/A, New Malakpet, Hyderabad-500024.

Copy to:

1. Principal
2. Staff
3. Notice Board
4. File



# **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



## **DEPT OF CIVIL ENGINEERING**

(Date of visit 3-8-2019)

### **Objective of Field visit**

To have an exposure to the dam activities that take place and to understand the methodologies and their concepts of various technologies which we learn in the curriculum.

### **Site visit of Osman sagar or gandipet:**

On the 4<sup>th</sup> August of 2019, we the students of 4<sup>th</sup> year 1<sup>st</sup> sem civil, , had visited the osman sagar(gandipet)

Following report will illustrate the observations which were made during the field visit. The Osman Sagar Lake was created in 1920 by Mir Osman Ali Khan to provide drinking water source to Hyderabad and Secunderabad after a critical drought faced by the twin-cities in 1908



Gandipet Lake, also known as 'Osman Sagar Lake', is located just off-city limits'20 kms from the heart of the city. The Osman Sagar Lake was created in 1920 by Mir Osman Ali Khan to provide drinking water source to Hyderabad and Secunderabad after a critical drought faced by the twin-cities in 1908. The Sagar Mahal, a guesthouse that now overlooks the lake, was a summer resort for the last Nizam. Initially the lake was used and considered a main reservoir for water supply to the city of Hyderabad. Now the lake is used as a public recreation spot and is managed by the Andhra Pradesh Tourist Department. The Musi River is one of the prime river sources that flows directly into the lake but is now clogged by a dam built along the Osman Sagar.

The origins of this lake's name dates back to the reign of the seventh Nizam of Hyderabad, Mir Osman Ali Khan. Spread over a sprawling 46 kms, this artificial lake also serves as the prime water source for Hyderabad and Secunderabad.

The surroundings here are extremely pleasant and some of the more recent additions to this lake are landscaped gardens and a swimming pool.

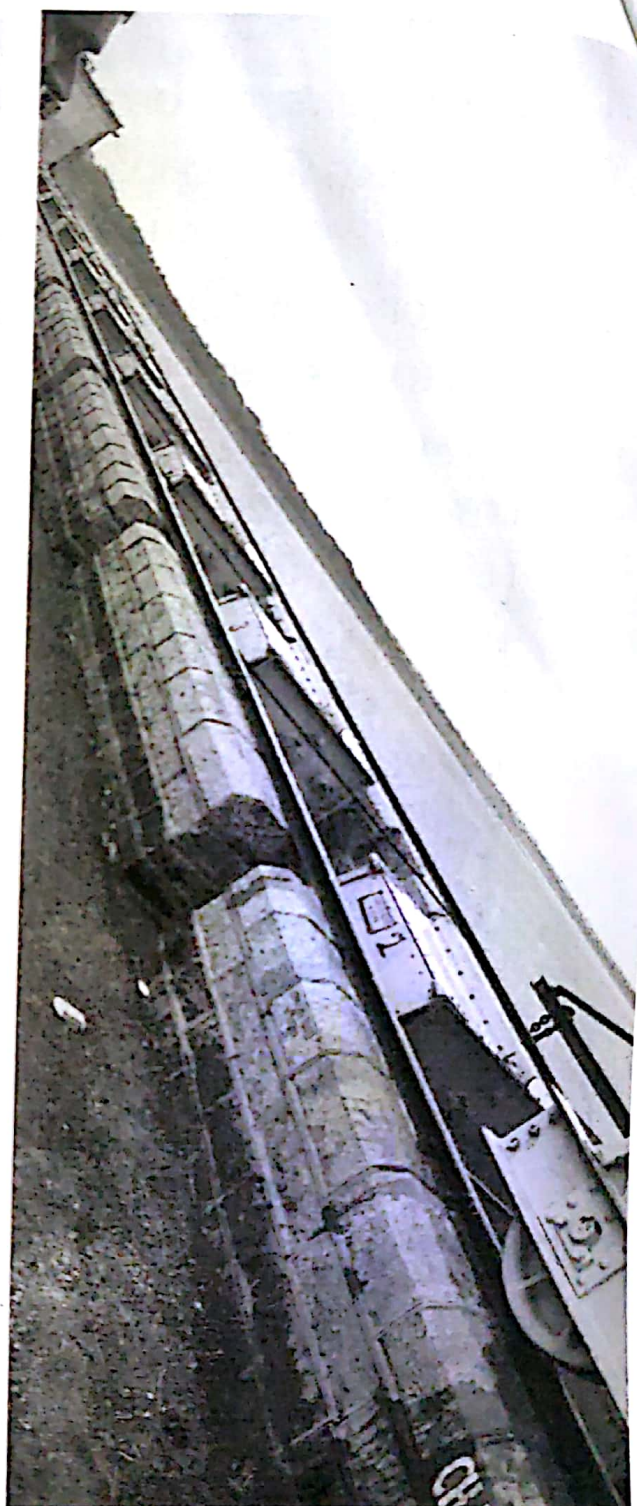
People from all over the world come to Gandipet district to catch a glimpse this quaint lake. With a number of amusement options surrounding the artificial lake, the Osman Sagar forms an integral part of the lives of the people in the twin cities and is also a prime tourist attraction.

Whether you are planning on admiring a bird's eye view of Gandipet Lake on the giant wheel or you just want to relax nearby, Gandipet Lake has a lot to offer in terms of entertainment! Scroll down to know more.

## SALIENT FEATURES OF OSMAN SAGAR RESERVOIR

DATE OF CONSTRUCTION. : . 1912 -1920  
CATCHMENT AREA. : 285 Sq e  
CAPACITY AT-SLUICE LEVEL. : +1790 FT 5541 MG  
LOWEST SLUICE LEVEL. : 1757.00  
FLOOD MODERATION CAPACITY : 7366 Mcft  
TOTAL CAPACITY OF MWL. : 12907 Mch  
MAXIMUM WATER LEVEL. : RL+1819  
LENGTH TO COMPOSITE DAMS : 2900 ft  
LENGTH OF MASONRY DAM. : 3400 ft  
CAPACITY OF CONDUIT. : 32 MGD  
FLOOD GATES. : 15 No 5x6x10  
DISCHARGE FROM EACH GATE. : 1010 cusecs  
SILL LEVEL OF FLOOD GATES. : +1774

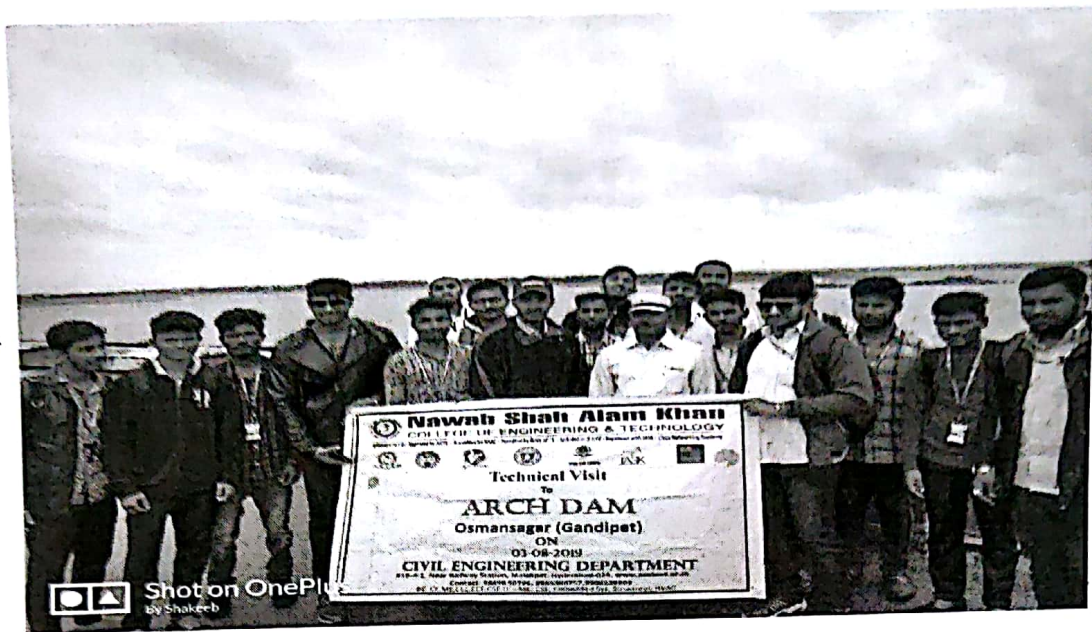












### Conclusion

By this field visit gives some information on the osman sagar.

There were some gates opening works were being done. Also some modern techniques and machineries are being used.

*[Signature]*  
HOD

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

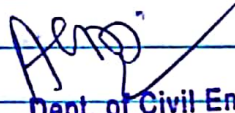


3-8-2019

5

Technical Visit (Gandipet)

4A

| SrNo  | Roll NO    | Name                   | Amount Paid | Sign               |
|---|------------|------------------------|-------------|--------------------|
| 1   | 16RTIA0113 | H. Naveed Sohail       | 150/-       | <i>[Signature]</i> |
| 2   | 16RTIA0149 | Mohammed. Aleem.       | 150/-       | <i>[Signature]</i> |
| 3   | 16RTIA0147 | Mohd Aljoz             | 150/-       | <i>[Signature]</i> |
| 4   | 16RTIA0106 | Abdul Raouf            | 150/-       | <i>[Signature]</i> |
| 5   | 16RTIA0138 | Mohammed Abdul Hai     | 150/-       | <i>[Signature]</i> |
| 6   | 16RTIA0103 | Abdul Raheem           | 150/-       | <i>[Signature]</i> |
| 7   | 16RTIA0104 | Abdul Raheem Khan      | 150/-       | <i>[Signature]</i> |
| 8   | 16RTIA0108 | ASRAR AHMED            | 150/-       | <i>[Signature]</i> |
| 9   | 16RTIA0173 | Mohd Naveed Ali        | 150/-       | <i>[Signature]</i> |
| 10  | 16RTIA0165 | Mohd Mansoor           | 150/-       | <i>[Signature]</i> |
| 11  | 16RTIA0174 | Mohd Nazim Uddin       | 150/-       | <i>[Signature]</i> |
| 12  | 16RTIA0187 | Mohammed Ziajess       | 150/-       | <i>[Signature]</i> |
| 13  | 16RTIA0190 | Mohd Abdul Kareem      | 150/-       | <i>[Signature]</i> |
| 14  | 16RTIA0168 | Mohd. Mohib Ullah Omer | 150/-       | <i>[Signature]</i> |
| 15  | 16RTIA0169 | Mohd. Mohit Ansari     | 150/-       | <i>[Signature]</i> |
| x   |            |                        |             |                    |
| <br>Dept. of Civil Engineering<br>NAWAB SHAH ALAM KHAN COLLEGE<br>OF ENGINEERING & TECHNOLOGY<br># 16-4-1/A, New Malakpet, Hyderabad-500024. |            |                        |             |                    |

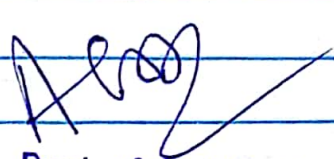




37-8-2019

Technical visit (Gandipet)<sup>9</sup>

3A

| Sr<br>NO  | Roll NO               | Name                            | Amount<br>Paid   | Sign                   |
|---|-----------------------|---------------------------------|------------------|------------------------|
| 45  | 17RT1A0116            | Habeeb Baba                     | 150/-            | (Signature)            |
| 27  | <del>17RT1A0125</del> | <del>Mohammed Yaseer Raza</del> | <del>150/-</del> | <del>(Signature)</del> |
|    |                       |                                 |                  |                        |
| Dept. of Civil Engineering<br>NAWAB SHAH ALAM KHAN COLLEGE<br>OF ENGINEERING & TECHNOLOGY<br>#18-4-1/A, New Malakpet, Hyderabad-500024. |                       |                                 |                  |                        |
|   |                       |                                 |                  |                        |
|   |                       |                                 |                  |                        |
|   |                       |                                 |                  |                        |
|   |                       |                                 |                  |                        |
|   |                       |                                 |                  |                        |
|   |                       |                                 |                  |                        |
|   |                       |                                 |                  |                        |
|   |                       |                                 |                  |                        |



## Technical visit (Gandipet)

11

3B

Scanned by CamScanner



3C

3-8-2019

Technical visit (Gandipet) 1

| Sr NO | <del>Name</del><br>Roll No | Name                   | Amount Paid | Sign |
|-------|----------------------------|------------------------|-------------|------|
| 1     | 18RTSA0136                 | Mohd Samiuddin         | 150         |      |
| 2     | 17RTSA0108                 | M. A. Muqjeet Siddique | 150         |      |
| 3     | 17RTSA0117                 | Md. Abdul Rahman       | 150         |      |
| 4     | 18RTSA0121                 | Md. Saleem             | 150         |      |
| 5     | 18RTSA0112                 | Md. Mateen             | 150         |      |
| 6     | 18RTSA0114                 | Md. Abdul Illah        | 150         |      |
| 7     | 18RTSA0119                 | Md. Mohsin             | 150         |      |
| 8     | 18RTSA0127                 | Md. Ayaz               | 150         |      |
| 9     | 18RTSA0129                 | Md. Majed              | 150         |      |
| 10    | 18RTSA0134                 | Syed Kareem            | 150         |      |
| 11    | 18RTSA0110                 | Mir Shafath Ali        | 150         |      |
| 12    | 18RTSA0111                 | Mir Shalmawaz Ali      | 150         |      |
| 13    | 18RTSA0113                 | Md Abdul Aziz          | 150         |      |
| 14    | 18RTSA0132                 | Shaik Abdul Omer       | 150         |      |
| 15    | 18RTSA0115                 | Abdul waheed           | 150         |      |
| 16    | 18RTSA0104                 | Fariya Tabassum        | 150         |      |
| 17    | 18RTSA0120                 | Mohd Rashid            | 150         |      |
| 18    | 17RTIA016                  | Yaseen                 | 150         |      |

Dept. of Civil Engineering  
NAWAB SHAH ALAM KHAN COLLEGE  
OF ENGINEERING & TECHNOLOGY  
# 16-1/A, New Malakpet, Hyderabad-500024.



**TELANGANA STATE POWER GENERATION CORPORATION LIMITED**

From  
The Superintending Engineer,  
Operation & Maintenance Circle,  
N.S.H.E.Schme, Pylon Colony  
TSGENCO  
NAGARJUNA SAGAR - 508202.

To  
The Principal,  
Nawab Shah Alam Khan College  
of Engg & Tech,  
New Malakpet,  
Hyderabad-500024.

**Lr.No.SE/O&M/NSHES/ADET/AEP/F.Permissions/D.No. 2476 /19.Dt.11-10-2019.**

Sir,

Sub:- TSGENCO - Permission to allow 100 Number Students along with 5 faculty members of Nawab Shah Alam Khan College Engg & Tech to visit NSLCPH on 19.10.2019 up to service bay - Permission - Accorded.

Ref:- Letter No.Nil, Date.04.10.2019

\* \* \*

With reference to the letter cited, permission is hereby accorded to 100 Number Students along with 5 faculty members of Nawab Shah Alam Khan College Engg & Tech to visit NSLCPH on 19.10.2019 subjected to the following conditions.

1. Visitors should follow the TSGENCO Engineers instructions in the Power House.
2. Damages are to be born by your institution if any Loss/Damages occur with the students.
3. The visitors are advised to take all precautionary measures to avoid any mishap during the visit.
4. The visitors should not use lifts in Power House.
5. The members permitted shall display their identity to the security authorities in the Power House.
6. The visitors are not allowed to enter into the MCR (Main Control Room) without permission from the ADE(MCR)/NSLCPH. If permitted the visitors are advised to enter into MCR batch by batch (A batch consisting of 10 to 15 numbers only)
7. Strict discipline shall be observed and subjected to security and vigilance check.
8. **Photography and videography are strictly prohibited in the plant.**
9. **No Guide will be arranged at Power House. Permission issued up to service bay only.**

**NOTE:-**

1. The TSGENCO is in no way responsible for any Losses/Accidents occurred during their visit.
2. Visitors are requested to bring one sapling per head of 5 feet height (Ravi,Mari,Medi,Juvvi,Kadamba,Tunikkaya,Teku,Maredu,Usari,Arjuna,Chintha,Devadr ujammi,SandraEtc.) and hand over them to security during their visit.
3. Duty officer/SPF staff are instructed to allow batch by batch,each batch 20 numbers only.

Yours faithfully,

  
**SUPERINTENDING ENGINEER,  
O&M : NSHES: PYLON.**

Copy to the Divisional Engineer/O&M/ NSLCPH.  
Copy to the Reserve Inspector/TSSPF/TSGENCO/NSHES.  
Copy to the Duty officer/TSSPF/ TSGENCO/NSHES.  
Copy to Asst.Divisional Engineer/General/NSLCPH.



☎ : 040-24576935

# NAWAB SHAH ALAM KHAN COLLEGE OF ENGINEERING & TECHNOLOGY

Affiliated to OU | Approved by AICTE | Accredited by NAAC | Permitted by T.S. Govt. | Included in 2F UGC

# 16-4-1/A, New Malakpet, Hyderabad - 500 024 | Email : nsakcet@gmail.com | Website : www.nsakcet.ac.in

Date : 31-10-2019

Ref. No.

To  
The Chief Engineer  
Nagarjuna Sagar Dam  
Errum Manzil  
Hyderabad

**Lr.no-B/Technical Visit/NSAKCET/09/2019-2020**

Respected Sir

Sub: EST-HOD-CIVIL ENGG.DEPT-Permission to approximately 100 Students of Civil Engg. of this college - Technical visit-requested- regarding.

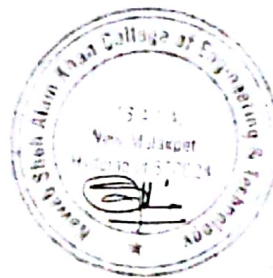
With reference to the subject cited above kindly grant the permission to our students for the Technical visit to study & understand the technical aspects. Students will be accompanied by 4-5 staff members. In anticipation of granting the permission, the organization remains thankful to you.

place of visit Dt. of visit — 05-11-2019.  
1 u/s side of the dam  
2. Galleries in the dams.

Thanking You

Contact No: 9848468559

Mail Id: [ismailnlg@gmail.com](mailto:ismailnlg@gmail.com)



PRINCIPAL

PRINCIPAL

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







# **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



## **DEPT OF CIVIL ENGINEERING**

(Date of visit 4-11-2019)

**Nagarjuna Sagar Dam** is a masonry dam across the Krishna River at Nagarjuna Sagar which straddles the border between Nalgonda district in Telangana and Guntur district in Andhra Pradesh.

Constructed between 1955 and 1967, the dam created a water reservoir with gross storage capacity of 11.472 billion cubic metres ( $405.1 \times 10^9$  cu ft). The dam is 490 feet (150 m) tall from its deepest foundation and 0.99 miles (1.6 km) long with 26 flood gates which are 42 feet (13 m) wide and 45 feet (14 m) tall. It is jointly operated by Andhra Pradesh and Telangana.

Nagarjuna Sagar Dam was the earliest in a series of large infrastructure projects termed as "modern temples" initiated for achieving the Green Revolution in India. It is also one of the earliest multi-purpose irrigation and hydroelectric projects in India.

### Data

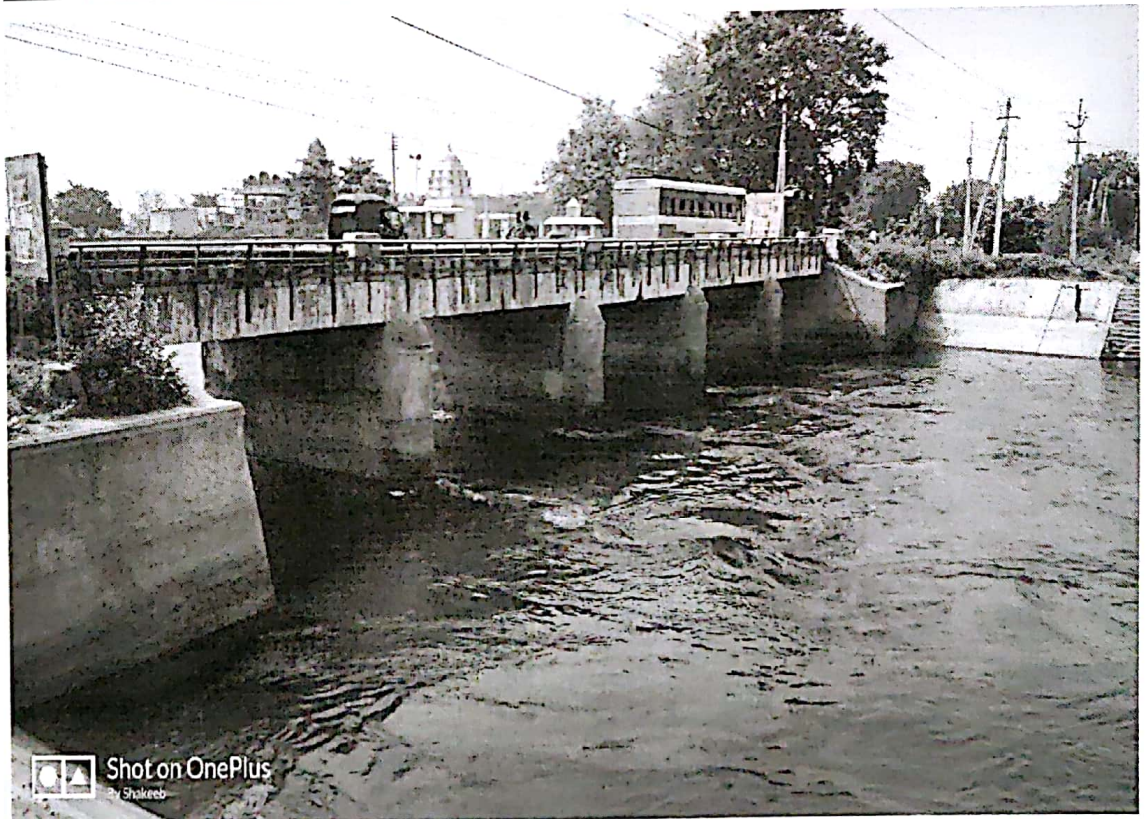
- Catchment Area : 214,185 km<sup>2</sup> (82,697 sq mi)
- Full Reservoir Level (FRL): 179.83 metres (590 ft) msl
- Water spread area at FRL: 285 km<sup>2</sup>
- Gross storage capacity at FRL: 312 TMC
- MDDL of river sluices: 137.3 metres (450 ft) msl
- Masonry dam
  - Spillway of dam : 471 m
  - Non-over flow dam : 979 m
  - Length of Masonry dam : 1450 m
  - Maximum height : 125 m

- Earth dam
  - Total Length of Earth dam : 3414 m
  - Maximum height : 128 m
- Power Generation
  - Power Units : 1 No. conventional (110 MW capacity), 7 nos Reversible (100 MW capacity)
- Canal power house
  - Right side : 3 units 30 MW (each)
  - Left side : 2 units 30 MW (each)

The right canal (Jawahar canal) is 203 km (126 mi) long with maximum 311.5 cumecs capacity and irrigates 1.117 million acres (4,520 km<sup>2</sup>) of land in Guntur and Prakasam districts. The left canal (Lalbahadur Shastri canal) is 179 km (111 mi) long with maximum 311.5 cumecs capacity and irrigates 1.008 million acres (4,080 km<sup>2</sup>) of land in Nalgonda, Suryapet, Krishna, West Godavari and Khamman districts. The project transformed the economy of above districts. 54 villages (48 in Nalgonda and 6 in Guntur) were submersed in water and 24,000 people were affected. The relocation of the people was completed by 2007.

The hydroelectric plant has a power generation capacity of 815.6 MW with 8 units (1x110 MW+7x100.8 MW). First unit was commissioned on 7 March 1978 and 8th unit on 24 December 1985. The right canal plant has a power generation capacity of 90 megawatts (120,000 hp) with 3 units of 30 megawatts (40,000 hp) each. The left canal plant has a power generation capacity of 60 megawatts (80,000 hp) with 2 units of 30 MW each. The tail pond is under advanced stage of construction to put to use the pumped storage features of 7 x 100.8 MW units. And it will be useful for the irrigation.

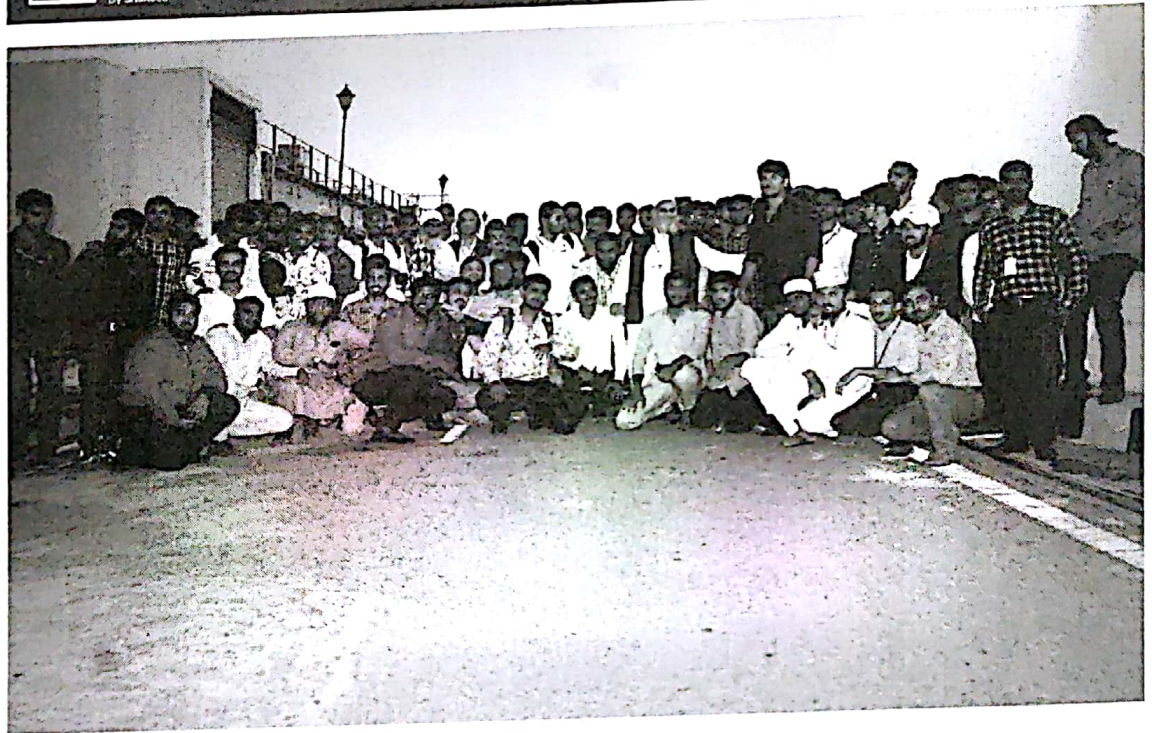












*A. S. H.*  
HOD  
HEAD  
Department of Civil Engineering  
NAWAB SHAH ALAM KHAN COLLEGE  
OF ENGINEERING & TECHNOLOGY  
16-4-1/A, New Malakpet, Hyderabad - 500 024.

**Nawab Shah Alam Khan College Of Engineering & Technology**  
**New Malakpet, Hyderabad-500024**  
**Department Of Civil Engineering**

| Sr No   | Name Of Faculty        | Aadhar No    | Department |
|---------|------------------------|--------------|------------|
| CV 1)   | Mohammed Yousuf Ahmed  | 617714860041 | CIVIL      |
| CV 2)   | Mohd Abdul Aguil       | 546780063965 | "          |
| CV 3)   | Mohd Huzaiifa Yaman    | 843569138726 | "          |
| CV 4)   | Salahuddin Shakeeb.S.M | 374878687106 | "          |
| CV 5)   | Shaik Mohammed Jawid   | 983301749971 | "          |
| CV 6)   | Md Mubashir Shahzeb    | 894080145311 | "          |
| CV 7)   | Soanpet Amareesh Babu  | 428937050148 | "          |
| CV 8)   | Manga Madam Korapati   | 245885008503 | "          |
| CV 9)   | Prof Syed Farukh Anwar | 370918618219 | "          |
| CS 10)  | Prof Basim             | 971323774482 | CS         |
| ECE 11) | Prof. Abdul Sattar     | 615121599019 | ECE        |
| CV 12)  | M.A. Khaled.           | 449424820124 | CIVIL      |
| CV 13)  | Salim                  | 714200848619 | "          |
| CV 14)  | Prof Md Ismail         | 824343132731 | "          |
| CV 15)  | Mohd Haseeb            | 975172851424 | "          |
| CV 16)  | Mohd Ahmed             | 241385553688 | "          |
| CV 17)  | Sabriish Fatima        | 941724085412 | "          |
| CV 18)  | Khaja Naseeruddin      | 897264705975 | "          |
| CV 19)  | Mohammed Farhan        | 921681065972 | Civil      |

Admi 20) M.A. Salam Quraishi

Admin

  
 Dept. of Civil Engineering  
**NAWAB SHAH ALAM KHAN COLLEGE**  
**OF ENGINEERING & TECHNOLOGY**  
 # 16-4-1/A, New Malakpet, Hyderabad-500024.



Nawab Shah Alam Khan College Of Engineering & Technology  
New Malakpet, Hyderabad-500024  
Department Of Civil Engineering

| Department Of Civil Engineering |                       |                      |              |
|---------------------------------|-----------------------|----------------------|--------------|
| Sr No                           | Roll No               | Student Name         | Aadhar No    |
| 1                               | 17RTIA0133            | MD SAIF ANEEN        | 318676550377 |
| 2                               | 17RTIA01C5            | Shauk Adnan Ahmed    | 917190427202 |
| 3                               | 17RTIA01F0            | Syed meytaba hussein | 318781345809 |
| 4                               | 17RTIA01B2            | NAZISH Ali KHAN      | 577226086606 |
| 5                               | 17RTIA0168            | Mohd Mujeeb Ahmad    | 784323946950 |
| 6                               | 17RTIA0182            | Mohd. Zaki Ali       | 215161300377 |
| 7                               | 16EDIA0121            | K.M. Zaid Kamran     | 304238364261 |
| 8                               | 16RTIA0192            | MOHD CHALID AYUB     | 596545989840 |
| 9                               | 17RTIA01E2            | Syed fashan Ali      | 229671996530 |
| 10                              | 17RTIA01C3            | Shauk Abdul Razak    | 796556258717 |
| 11                              | 17RTIA01C6            | SHAIK MANSUR AHMED   | 820153002311 |
| 12                              | 18RTSA0114            | MOHAMMED ABDUL JALIL | 201483670636 |
| 14                              | 16RTIA01E9 17RTIA0116 | Habeeb Baba          | 890768735477 |

Dept. of Civil Engineering  
NAWAB SHAH ALAM KHAN COLLEGE  
OF ENGINEERING & TECHNOLOGY  
# 16-4-1/A, New Malakpet, Hyderabad-500024.



Dept. of Civil Engineering  
NAWAB SHAH ALAM KHAN COLLEGE  
OF ENGINEERING & TECHNOLOGY  
# 16-4-1/A, New Malakpet, Hyderabad-500024.



| Roll No    | 4th Year<br>Bus (2)<br>Name | Amount Paid | Sign | Aadhaar No     |
|------------|-----------------------------|-------------|------|----------------|
| 16RTIA0169 | Mohd Baseerullah            | 600/-       |      | 9046 6904 5695 |
| 17RTSA0120 | Mohd Ehtesham Mohiuddin     | 600/-       |      | 7920 7433 1529 |
| 16RTIA0173 | md Nourshad                 | 600/-       |      | 8275 0575 4637 |
| 16RTIA0178 | Sajid Khan                  | 600/-       |      | 3772 4398 8795 |
| 16RTIA0186 | Zubair Khan                 | 600/-       |      | 4093 9405 1836 |
| 16RTIA0103 | Abdul Raheem                | 600/-       |      | 5408 4219 1214 |
| 16RTIA0189 | md mujahed Ahmed            | 600/-       |      | 3500 8835 4938 |
| 16RTIA01E1 | Shaik Sarfaraz              | 600/-       |      | 3510 455 96376 |
| 16RTIA01C1 | Tawahhid Shakir             | 600/-       |      | 3182 8600 2098 |
| 16RTIA01C4 | Nouman Mirza                | 600/-       |      | 2429 6555 4049 |

Dept. of Civil Engineering  
 NAWAB SHAH ALAM KHAN COLLEGE  
 OF ENGINEERING & TECHNOLOGY  
 # 16-4-1/A, New Malakpet, Hyderabad-500024.

| Roll No                | 3rd Year<br>Name Bus 2 | Amount<br>Paid | Sign     | Aadhar NO      |
|------------------------|------------------------|----------------|----------|----------------|
| 17<br>17RTIA0183       | Md Zeeshan             | 600/-          | Zesh     | 7515 5928 1742 |
| 50<br>17RTIA018A2      | Md Muzaffar            | 600/-          | MZ       | 7386 1318 8683 |
| 16<br>51<br>18RTSA0109 | Md Abdullah Atif       | 600/-          | M.A Atif | 9557 9832 1362 |
| 17<br>52<br>18RTSA0135 | Taha Abdul basith      | 600/-          | Taha     | 2821 3128 3818 |
| 18<br>53<br>18RTSA0107 | K.M. Ateeque           | 600/-          | Ob       | 7779 3550 0498 |
| 19<br>54<br>17RTIA01E7 | Syed Majid Ali         | 600/-          | Majid    | 8559 5299 1459 |
| 20<br>55<br>17RTIA01G2 | Md Abdul Mubeen        | 600/-          | El       | 2648 9592 8339 |
| 21<br>56<br>16RTIA0185 | <del>Md Taha</del>     | 600/-          | @        | 2521 3341 4109 |
| 22<br>57<br>17RTIA01C9 | Shaik Md Sameer        | 600/-          | Shaik    | 4889 6031 8535 |
| 23<br>58<br>17RTIA01S2 | Md Aqayib Ahmed        | 600/-          | Aqayib   | 2625 2948 8874 |
| 24<br>59<br>17RTIA0141 | Md Abdul Aqayib Ahmed  | 600/-          | Aqayib   | 5433 6848 4084 |
| 25<br>60<br>18RTSA0113 | Abdul Azeez            | 600/-          | Azeez    | 7789 3307 3052 |
| 26<br>61<br>18RTSA0119 | Md Mohsin              | 600/-          | Mohsin   | 6245 7395 6253 |
| 27<br>62<br>18RTSA0127 | Mohd Ayaz              | 600/-          | Ayaz     | 9698 2785 7816 |
| 28<br>63<br>18RTSA0134 | Syed Kareem            | 600/-          | Kareem   | 7143 1441 1931 |
| 29<br>64<br>18RTSA0112 | Mohd Mateen            | 600/-          | Mateen   | 2218 0418 7236 |
| 30<br>65<br>18RTSA0121 | Mohd Saleem            | 600/-          | Saleem   | 7803 7746 9508 |
| 31<br>66<br>18RTSA0129 | Mohd Majeedullah       | 600/-          | Majeed   | 2023 3015 4847 |
| 32<br>67<br>17RTIA01C7 | Mohd Sohail            | 600/-          | Sohail   | 7308 2368 9612 |
| 33<br>68<br>17RTIA01C4 | Shaik Abrar Hussain    | 600/-          | Abrar    | 7586 9212 8256 |
| 34<br>69<br>17RTIA01F8 | Ubaid Mohiuddin Ali    | 600/-          | Ubaid    | 7586 9212 8256 |

Dept. of Civil Engineering  
NAWAB SHAH ALAM KHAN  
OF ENGINEERING & TECHNOLOGY  
# 18-1/A, New Malakpet, Hyderabad-500024.



|    | Roll No     | Name                | 3rd Year        | Amount Paid | Sign | Aadhaar No   |
|----|-------------|---------------------|-----------------|-------------|------|--------------|
| 77 | 16RTIA01E9  | Aslam Asadullah     | (3rd Year - 3B) | 600/-       |      | 512806406346 |
| 78 | 16RTIA00180 | Saqiyat Siddiqui    | (3rd Year) 3A   | 600/-       |      | 805649340353 |
| 71 | 17RTSA0132  | Shaik Musab         | (3B)            | 600/-       |      | 605517212034 |
| 72 | 17RTSA0128  | Naseer Ahmed Khan   |                 | 600/-       |      | 976197966629 |
| 73 | 16RTIA01G8  | Zubaidullah Khan    | (3A)            | 600/-       |      | 645434582901 |
| 74 | 17RTSA0117  | Mohd Abdul Rahman   |                 | 600/-       |      | 831238614764 |
| 75 | 16RTIA0114  | Huzaiifa Syed Asif  |                 | 600/-       |      | 250448356088 |
| 76 | 18RTIA0176  | Mohd Shoaib II year |                 | 600/-       |      | 645990432383 |


Dept. of Civil Engineering  
 NAWAB SHAH ALAM KHAN COLLEGE  
 OF ENGINEERING & TECHNOLOGY  
 # 16-4-1/A, New Malakpet, Hyderabad-500024.

**CERTIFICATE**

This is to certify that the Major Project on "TRAFFIC PREDICTION FOR INTELLIGENT TRANSPORTATION SYSTEM USING MACHINE LEARNING" is being submitted by the following students:

|                       |            |
|-----------------------|------------|
| MOHAMMED ABDUL QAVI   | 17RT1A0509 |
| MOHAMMED WASIF        | 17RT1A0527 |
| MOHD MANSOOR SOFI     | 17RT1A0536 |
| MOHAMMED NAVEED UDDIN | 17RT1A0521 |

They have presented the Major project work during the academic year 2020 – 2021 in partial fulfillment of the requirements for the award of **BACHELOR OF TECHNOLOGY** in **DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING** from **JNTUH**. This is a bonafide record work carried out by them under our guidance and supervision. The results of investigation enclosed with this report have been verified and found to be satisfactory.

  
Internal Guide  
Project Supervisor  
HOD  
External Examiner  
PRINCIPAL  
Coordinator  
IQAC Cell  
Nawab Shah Alam Khan College of  
Engineering and Technology  
Hyderabad.

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



**CERTIFICATE**

This is to certify that the Major Project on "TRAFFIC PREDICTION FOR



# **Nawab Shah Alam Khan**

## **COLLEGE OF ENGINEERING & TECHNOLOGY**

Approved by AICTE | Permitted by Govt. of Telangana | Affiliated to JNTUH

EAMCET Code: NAWB | PGCET Code : NAWB1 | POLYCET Code : NAWB

### **Artificial Intelligence and Covid-19: Deep learning approaches for Diagnosis and Treatment**

- |    |                         |            |
|----|-------------------------|------------|
| 1. | MOHAMMED ZEESHAN KHAN   | 17RT1A0528 |
| 2. | SHAIK ASLAM             | 17RT1A0547 |
| 3. | MD. WASEEM AKRAM        | 17RT1A0507 |
| 4. | MOHAMMED HUSSAIN AFZAAL | 17RT1A0516 |

**INTERNAL GUIDE:**

MR. MOHAMMED KHALEEL AHMED

ASSOCIATE PROFESSOR

CSE DEPARTMENT

*[Signature]*  
Coordinator  
IQAS Cell  
Nawab Shah Alam Khan College of  
Engineering and Technology  
Hyderabad.

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

Nawab Shah Alam Khan College of  
Engineering and Technology  
Hyderabad.

College of Engineering & Technology  
New Malakpet, Hyderabad-500024.





# CERTIFICATE OF COMPLETION

This Certificate is Presented to

Asma Anjum (16RT1A1206)

To Commemorate his/her Completion of the Internship Program  
from 3<sup>rd</sup> Aug to 24<sup>th</sup> Aug year 2018



**AUTHORIZED SIGNATURE**





## CERTIFICATE OF COMPLETION

This certifies the trainee

Mr / Miss.

Ayesha Sulthana (ISRT/A/207)

Has satisfactorily completed 3 months on-the-job training.

Company Name:

ANT RECRUITMENT

Date:

3/8/2018

to

7/10/2018

Regards



+91 040 - 485652592



hr@antrecruitment.com



Flat no: 201, 2nd floor, Sreeman Rama Towers,  
Chaitanyapuri, Beside Swagath Grand Hotel,  
Dilsukhnagar, Hyderabad - 500 060



# CERTIFICATE OF COMPLETION

This Certificate is Presented to

Fatima Banu (16RT1A1208)

To Commemorate his/her Completion of the Internship Program  
from 3<sup>rd</sup> Aug to 24<sup>th</sup> Aug year 2018

  
\_\_\_\_\_  
AUTHORIZED SIGNATURE



# Certificate

## — OF INTERNSHIP —

This Certificate presented to

**Mr/Miss :**

Kabeeruddin (15RT1A1213)

For the successful Completion of the Internship Program

from 13<sup>th</sup> Aug to 5<sup>th</sup> Sep year 2018



AUTHORIZED SIGNATURE

**CERTIFICATE OF COMPLETION – On the Job Training**

This certifies the trainee

Mr / Miss.

Mehd. minhaj Uddin (16RT/A0/A1)

Has satisfactorily completed 3 months on-the-job training.

Company Name: ITC ACADEMY

Date: 4 / 8 / 2018 to 10 / 10 / 2018

Regards



+91-9885134413



info@itcademy.com



411, SREEMAN RAMA TOWERS, CHAITANYAPURI BUS STOP OPP,

Dilsukhnagar, Hyderabad - 500060, (METRO PILLAR NO A1556)





# CERTIFICATE OF COMPLETION

This Certificate is Presented to

MA Tayyab (ICRT 1A0307)

To Commemorate his/her Completion of the Internship Program  
from 13/8 to 5/9 year 2018

  
AUTHORIZED SIGNATURE



# CERTIFICATE OF COMPLETION

This Certificate is Presented to

Mr/Miss :

Sabir Ahmed choudhary (16RT1A0539)

In Appreciation for your successful work as an Intern at S INNOVATIONS PVT LTD.

The Internship is conducted between 13/8/2018 to 5/9/2018

AUTHORIZED SIGNATURE







# CERTIFICATE OF COMPLETION

This Certificate is Presented to

Mr/Miss : Shrikant (16RT140412)

In Appreciation for your successful work as an Intern at S INNOVATIONS PVT LTD.

The Internship is conducted between 31/8/2018 to 24/8/2018

  
\_\_\_\_\_  
AUTHORIZED SIGNATURE

## WORK COMPLETION CERTIFICATE

**To whom it may concern**

This is to certify that Md. Sabahat Ali (ISRT/AOS20) has successfully completed 3 months on-the-job training.

The work is completed on Date: 25/10/2018 successfully.

Thank you and assuring you for our best services always.

Work Period : 15/8 to 25/10 Year: 2018

**Regards**



**H. Raja Rao**  
HR Manager.

# 16-77, 1 st floor, Opp SBI Bank, Sai baba Temple Lane,  
Dilsukhnagar, Hyderabad-500060.

Email: smart.hyd4@gmail.com

Tel: 040-48590077, +91 8790520044



# CERTIFICATE



## OF INTERNSHIP

PROUDLY PRESENTED TO

Khutej tul Kubra (15RT1A0402)

The Staff will Intern in our company from 3/8/2018 to 24/8/2018

It is Hereby Certified the employee has performed well during his employment is united, cooperative, and is willing to help others.

This Cetificate is Hereby Attested to.

AUTHORIZED SIGNATURE

# Internship Certificate

This Certificate is Proudly Presented to

Mohd Nizamuddin (15RT140530)

has Completed Internship at GLOBAL e-Smart Technologies  
From 3/8/2018 to 24/8/2018

We found him/her sincere, hardworking, dedicated and result oriented.

She/he worked well as part of the team during his/her tenure.

We take this to thank him/her and wish him/her All the best for his/her future.

  
\_\_\_\_\_  
AUTHORIZED SIGNATURE



# Internship Certificate

This Certificate is Proudly Presented to

Mohd Nizamuddin (15RT140530)

has Completed Internship at GLOBAL e-Smart Technologies  
From 3/8/2018 to 24/8/2018

We found him/her sincere, hardworking, dedicated and result oriented.

She/he worked well as part of the team during his/her tenure.

We take this to thank him/her and wish him/her All the best for his/her future.

  
\_\_\_\_\_  
AUTHORIZED SIGNATURE



**SMART SELECT**  
SOLUTIONS

# CERTIFICATE OF INTERNSHIP

This Certificate is Presented to

Mohammed Shajith (17RTSA0207)

Do your own job seriously and learn new knowledge very hard.

From 13<sup>th</sup> Aug to 18<sup>th</sup> Sep year 2018

The student has out standing performance in the company, hard working, friendly to others, getting along with colleagues and having his/her own unique ideas.

  
AUTHORIZED SIGNATURE





**SMART SELECT**  
SOLUTIONS

# CERTIFICATE OF INTERNSHIP

This Certificate is Presented to

Syed Mohammed Qundmeex (17RT5A0210)

Do your own job seriously and learn new knowledge very hard.

From 13<sup>th</sup> Aug to 15<sup>th</sup> Sep year 2018

The student has out standing performance in the company, hard working, friendly to others, getting along with colleagues and having his/her own unique ideas.



**AUTHORIZED SIGNATURE**



THOMSON & RYBERG PUBLICATIONS

**CERTIFICATE OF COMPLETION – On the Job Training**

This certifies the trainee

Mr / Miss.

MD. Rasool (17RT5A0205)

Has satisfactorily completed 3 months on-the-job training.

Company Name: THOMSON & RYBERG PUBLICATIONS

Date: 3/9/2018 to 6/11/2018

Regards



+91-8790520044



trpub.online@gmail.com  
www.trpubonline.com



8-3-230/b/41, Flat Number 93,  
Sravanthi Nagar, Jubilee Hills  
Hyderabad, Telangana - 500033



# CERTIFICATE OF INTERNSHIP

This Certificate is Proudly Presented to

Mohammed abdul mubeeb (ISRT/40322)

For Successfully Completing Their 3 Months Internship in  
MILLENNIUM TECH

From 3-8 to 24-8 year 2018

AUTHORIZED SIGNATURE




# CERTIFICATE OF INTERNSHIP

This Certificate is Proudly Presented to

Mohd abdull Raheem (15RT140383)

For Successfully Completing Their 3 Months Internship in  
MILLENNIUM TECH

From 3-8 to 24-8 year 2018



AUTHORIZED SIGNATURE





# CERTIFICATE OF COMPLETION

This Certificate is Presented to

Abdul Absar (17RT5A0104)

To Commemorate his/her Completion of the Internship Program  
from 3/8 to 24/8 year 2018

  
AUTHORIZED SIGNATURE



# CERTIFICATE OF COMPLETION

This Certificate is Presented to

Mohammed Abdul Rahmaan (I7RT540115)

To Commemorate his/her Completion of the Internship Program  
from 13/8 to 5/9 year 2018

  
AUTHORIZED SIGNATURE





SYNCTRA SOLUTIONS

# Certificate of Internship

PROUDLY PRESENTED TO

Shadan Jabeen (15AT1A0215)

The Staff will Intern in our company from 3/8/2018 to 24/8/2018

It is Hereby Certified the employee has performed well during  
his employment, is united and cooperative, and is willing  
to help others.



AUTHORIZED SIGNATURE



SYNCTRA SOLUTIONS

# Certificate of Internship

PROUDLY PRESENTED TO

Mohd Muhammad Ahmed (16A7540204)

The Staff will Intern in our company from 3/8/2018 to 24/8/2018

It is Hereby Certified the employee has performed well during his employment, is united and cooperative, and is willing to help others.

  
AUTHORIZED SIGNATURE





# CERTIFICATE OF COMPLETION

This Certificate is Presented to

Mr/Miss :

Sharmila Samra (17RT1A0412)

In Appreciation for your successful work as an Intern at S INNOVATIONS PVT LTD

The Internship is conducted between 13/9/2019 to 30/9/2019

  
\_\_\_\_\_  
AUTHORIZED SIGNATURE



# CERTIFICATE OF COMPLETION

This Certificate is Presented to

Mr/Miss : Mohammed Hussain Afzal (17RT1A0516)

In Appreciation for your successful work as an Intern at S INNOVATIONS PVT LTD  
The Internship is conducted between 13<sup>th</sup> Sep to 30<sup>th</sup> Sep 2019.

  
AUTHORIZED SIGNATURE





# GLOBAL

e-SMART TECHNOLOGIES

## CERTIFICATE OF COMPLETION

This certifies the trainee

Mr / Miss.

Syed Mirzuddin (16RT1A055)

Has satisfactorily completed 3 months on-the-job training.

Company Name: GLOBAL e-SMART TECHNOLOGIES

Date: 13/9/19 to 25/11/19

Regards



# Internship Certificate

This Certificate is Proudly Presented to

Ayed Abdullah Al Shami (16RT1A0550)

has Completed Internship at GLOBAL e-Smart Technologies

From 11<sup>th</sup> Sep 2019 to 28<sup>th</sup> Sep 2019

We found him/her sincere, hardworking, dedicated and result oriented.

She/he worked well as part of the team during his/her tenure.

We take this to thank him/her and wish him/her All the best for his/her future.

  
\_\_\_\_\_  
**AUTHORIZED SIGNATURE**



# CERTIFICATE

## OF INTERNSHIP

PROUDLY PRESENTED TO

Suman Begum (17RT1A0541)

The Staff will Intern in our company from 10/9/2019 to 25/9/2019

It is Hereby Certified the employee has performed well during  
his employment is united, cooperative, and is willing  
to help others.

This Certificate is Hereby Attested to.

AUTHORIZED SIGNATURE



**COMPLETION CERTIFICATE - ON JOB TRAINING**

**To whom it may concern**

This is to certify that Mohd Falsan Rahman (18RTSA0210) has successfully completed 3 months on-the-job training.

The work is completed on Date: 15/11/2019 successfully.

Thank you and assuring you for our best services always.

Work Period : 10/9 to 15/11 Year: 2019

Regards

  
**Desapati Sravani.**  
**HR Manager.**



# CERTIFICATE

## OF INTERNSHIP

PROUDLY PRESENTED TO

Shaikh Sami (16RT1A0412)

The Staff will Intern in our company from 13/9/2019 to 30/9/2019

It is Hereby Certified the employee has performed well during his employment is united, cooperative, and is willing to help others.

This Cetificate is Hereby Attested to.

AUTHORIZED SIGNATURE



# CERTIFICATE OF INTERNSHIP

This Certificate is Proudly Presented to

MD khaja Autubuddin (16RT1A0810)

For Successfully Completing Their 3 Months Internship in  
MILLENNIUM TECH

From 11/9 to 26/9 year 2019

  
AUTHORIZED SIGNATURE



# CERTIFICATE OF INTERNSHIP

This Certificate is Proudly Presented to

Mohamme abdul khader (16RT/A0319)

For Successfully Completing Their 3 Months Internship in  
MILLENNIUM TECH

From 11/9 to 26/9 year 2019

  
AUTHORIZED SIGNATURE



# CERTIFICATE OF INTERNSHIP

This Certificate is Presented to

Kavadi Sruathi (16RT1A0205)

Do your own job seriously and learn new knowledge very hard.

From 13<sup>th</sup> Sep to 30<sup>th</sup> Sep year 2019

The student has out standing performance in the company, hard working, friendly to others, getting along with colleagues and having his/her own unique ideas.

  
AUTHORIZED SIGNATURE





**SMART SELECT**  
solutions

## CERTIFICATE OF COMPLETION – On the Job Training

This certifies the trainee

Mr / Miss.

Syed Farheen Ali (17RT1A03A7)

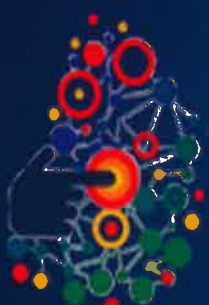
Has satisfactorily completed 3 months on-the-job training.

Company Name: SMART SELECT SOLUTIONS

Date: 4/8/19 to 10/10/19

Regards





SMART SELECT  
SOLUTIONS

# CERTIFICATE OF INTERNSHIP

This Certificate is Presented to

M<sup>r</sup> Tarig A. Alkham (17RTSA0206)

Do your own job seriously and learn new knowledge very hard.

From 12<sup>th</sup> Sep to 30<sup>th</sup> Sep year 2019

The student has out standing performance in the company, hard working, friendly to others, getting along with colleagues and having his/her own unique ideas.

  
AUTHORIZED SIGNATURE



# Certificate

OF INTERNSHIP



This Certificate is Proudly Presented to

Mohd Imad (17RT140197)

has Completed Internship at THOMSON & RYBERG PUBLICATIONS  
From 10/9/2019 to 25/9/2019

We found him/her sincere, hardworking, dedicated and result oriented.

She/he worked well as part of the team during his/her tenure.

We take this to thank him/her and wish him/her All the best for his/her future.

  
\_\_\_\_\_  
AUTHORIZED SIGNATURE

# Certificate

OF INTERNSHIP



This Certificate is Proudly Presented to

Shaik Abdul omex (18RT5A0132)

has Completed Internship at THOMSON & RYBERG PUBLICATIONS

From 13/8/2018 to 5/9/2018 2019.

We found him/her sincere, hardworking, dedicated and result oriented.

She/he worked well as part of the team during his/her tenure.

We take this to thank him/her and wish him/her All the best for his/her future.

AUTHORIZED SIGNATURE







# CERTIFICATE OF COMPLETION

This Certificate is Presented to

Musaib Mohiuddin (17RT1A0389)

To Commemorate his/her Completion of the Internship Program

from 14/9 to 29/9 year 2019.

  
\_\_\_\_\_  
AUTHORIZED SIGNATURE



# CERTIFICATE OF COMPLETION

This Certificate is Presented to

Mohd Parveez (17RT1A0383)

To Commemorate his/her Completion of the Internship Program  
from 14/9 to 29/9 year 2019

  
AUTHORIZED SIGNATURE



## CERTIFICATE OF COMPLETION

This certifies the trainee

Mr / Miss.

Saina Zaina (17RT1A1240)

Has satisfactorily completed 3 months on-the-job training.

Company Name: MILLENNIUM TECH

Date: 14/8/19 to 25/11/19



# Certificate

\_\_\_\_ OF INTERNSHIP \_\_\_\_

This Certificate presented to

Mr/Miss : Tunaid Khan (16RT1A1210)

For the successful Completion of the Internship Program

from 13<sup>th</sup> Sep to 30<sup>th</sup> Sep year 2019

  
\_\_\_\_\_  
AUTHORIZED SIGNATURE





# CERTIFICATE OF COMPLETION

This Certificate is Presented to

Samsen Sultana (17RT1A1242)

To Commemorate his/her Completion of the Internship Program  
from 10<sup>th</sup> Sep to 25<sup>th</sup> Sep year 2019

  
\_\_\_\_\_  
AUTHORIZED SIGNATURE

# Certificate of Internship

PROUDLY PRESENTED TO

Asra Sadiya (17RT1A0202)

The Staff will Intern in our company from 10/9/19 to 25/9/19

It is Hereby Certified the employee has performed well during  
his employment, is united and cooperative, and is willing  
to help others.

AUTHORIZED SIGNATURE







## WORK COMPLETION CERTIFICATE

**To whom it may concern**

This is to certify that Abdul Mannan Begi (17RT1A0301) has successfully completed 3 months on-the-job training.

The work is completed on Date: 18/11/2020 successfully.

Thank you and assuring you for our best services always.

Work Period : 16/9 to 18/11 Year: 2020

**Regards**

  
S. Swathi.  
HR Manager.

**ATTIC INFOMATICS.**



+91-7095987778  
+91-9908160999



Info@atticinfo.com  
www.atticinfo.com



#206, 2nd Floor, Sreeman Rama Towers,  
Chaitanyapuri, Hyderabad - 500060



# CERTIFICATE OF COMPLETION

This Certificate is Presented to

Azana Tahseen (18RT1A1239)

To Commemorate his/her Completion of the Internship Program  
from 17<sup>th</sup> Sep to 14<sup>th</sup> Oct year 2020

A handwritten signature in blue ink, appearing to read 'Tazim Ali', is written over a circular stamp.

AUTHORIZED SIGNATURE





# Certificate

OF INTERNSHIP



This Certificate is Proudly Presented to

Mohd Abdulhaseeb (19RT5A0127)

has Completed Internship at THOMSON & RYBERG PUBLICATIONS  
From 17<sup>th</sup> Sep 2020 to 14<sup>th</sup> Oct 2020

We found him/her sincere, hardworking, dedicated and result oriented.

She/he worked well as part of the team during his/her tenure.

We take this to thank him/her and wish him/her All the best for his/her future.

  
\_\_\_\_\_  
AUTHORIZED SIGNATURE



# Internship Certificate

This Certificate is Proudly Presented to

Mohammed Mansoor Safi (17RT140536)

has Completed Internship at GLOBAL e-Smart Technologies  
From 15<sup>th</sup> oct 2020 to 11<sup>th</sup> Nov 2020

We found him/her sincere, hardworking, dedicated and result oriented.

She/he worked well as part of the team during his/her tenure.

We take this to thank him/her and wish him/her All the best for his/her future.

  
AUTHORIZED SIGNATURE



# CERTIFICATE OF INTERNSHIP

This Certificate is Proudly Presented to

Shah Samir Rahman (17RT140340)

For Successfully Completing Their 3 Months Internship in  
MILLENNIUM TECH

From 15/10 to 10/11 year 2020

  
AUTHORIZED SIGNATURE



# CERTIFICATE OF COMPLETION

This Certificate is Presented to

Mr/Miss: Ms. Fashaath Ali (17RT1A0405)

In Appreciation for your successful work as an Intern at S INNOVATIONS PVT LTD  
The Internship is conducted between 14/10/2020 to 10/11/2020

  
AUTHORIZED SIGNATURE





# SYNCTRA SOLUTIONS

## WORK COMPLETION CERTIFICATE

**To whom it may concern**

This is to certify that Farheen Begum (18RT140508) has successfully completed 3 months on-the-job training.

The work is completed on Date: 28/12/2020 successfully.

Thank you and assuring you for our best services always.

Work Period : 5/10 to 28/12 Year: 2020

**Regards**

  
**R. Raja Rao**  
**HR Manager.**



# SYNCTRA SOLUTIONS

## WORK COMPLETION CERTIFICATE

**To whom it may concern**

This is to certify that Shaziya (19RTSA1201) has successfully completed 3 months on-the-job training.

The work is completed on Date: 5/11/2020 successfully.

Thank you and assuring you for our best services always.

Work Period : 17/9/2020 to 5/11/2020 Year: 2020

Regards

  
Chandra Reddy. P  
Manager.

# Certificate of Internship

PROUDLY PRESENTED TO

Hamza Tasleem (18RT140206)

The Staff will Intern in our company from 14/10/2020 to 10/11/2020

It is Hereby Certified the employee has performed well during his employment, is united and cooperative, and is willing to help others.



AUTHORIZED SIGNATURE



# Certificate of Internship

PROUDLY PRESENTED TO

Habiba Sulthana (18PT140205)

The Staff will Intern in our company from 14/10/2020 to 10/11/2020

It is Hereby Certified the employee has performed well during  
his employment, is united and cooperative, and is willing  
to help others.



AUTHORIZED SIGNATURE



SMART SELECT  
SOLUTIONS

# CERTIFICATE OF INTERNSHIP

This Certificate is Presented to

Syed Ali Faizan Sadia (18RT540216)

Do your own job seriously and learn new knowledge very hard.

From 18th Sep to 14th Oct year 2020

The student has out standing performance in the company, hard working, friendly to others, getting along with colleagues and having his/her own unique ideas.

  
AUTHORIZED SIGNATURE



# CERTIFICATE OF INTERNSHIP

This Certificate is Presented to

Md. Imran Khan (18PT5A0204)

Do your own job seriously and learn new knowledge very hard.

From 18<sup>th</sup> Sep to 14 Oct year 2020

The student has out standing performance in the company, hard working, friendly to others, getting along with colleagues and having his/her own unique ideas.

  
AUTHORIZED SIGNATURE





☎ : 040-66411133

✉ : info@mechturbo.com

## ON JOB TRAINING COMPLETION CERTIFICATE

### **To whom it may concern**

This is to certify that Humza Tasleem (18RT/A0906) has successfully completed 3 months on-the-job training.

The work is completed on Date: 4/11/2020 successfully.

Thank you and assuring you for our best services always.

Work Period : 8/8 to 4/11 Year: 2020

**Regards**

  
  
**P. Rajesh Kumar.**  
**HR Administrator.**



# CERTIFICATE OF COMPLETION

This Certificate is Presented to

Syed Shoeb Ahmed (I8AT1A0364)

To Commemorate his/her Completion of the Internship Program  
from 18/9 to 14/10 Year 2020

  
AUTHORIZED SIGNATURE

# CERTIFICATE

## OF INTERNSHIP

PROUDLY PRESENTED TO

Mohammed Nayeem (18AT1A0526)

The Staff will Intern in our company from 16/9/2020 to 15/10/2020

It is Hereby Certified the employee has performed well during his employment is united, cooperative, and is willing to help others.

This Certificate is Hereby Attested to.

AUTHORIZED SIGNATURE





# CERTIFICATE

## OF INTERNSHIP

PROUDLY PRESENTED TO

Fida Fatima (1987540401)

The Staff will Intern in our company from 14/10/2020 to 10/11/2020

It is Hereby Certified the employee has performed well during his employment is united, cooperative, and is willing to help others.

This Cetificate is Hereby Attested to.

AUTHORIZED SIGNATURE





# CERTIFICATE OF COMPLETION

This Certificate is Presented to

Mohd Imaduddin Hussaini (18RT140161)

To Commemorate his/her Completion of the Internship Program  
from 14/10 to 10/11 year 2020

  
  
AUTHORIZED SIGNATURE





# CERTIFICATE OF COMPLETION

This Certificate is Presented to

Zeeshan Ali (18RT1A01B4)

To Commemorate his/her Completion of the Internship Program  
from 17/9 to 14/10 year 2020

  
AUTHORIZED SIGNATURE





ITC ACADEMY

# Certificate

\_\_\_\_ OF INTERNSHIP \_\_\_\_

This Certificate presented to

**Mr/Miss :**

\_\_\_\_ Syed Ahmed Ali (17RT1A1245) \_\_\_\_

For the successful Completion of the Internship Program

from 14<sup>th</sup> Oct to 10<sup>th</sup> Nov Year 2020

\_\_\_\_  
AUTHORIZED SIGNATURE





ITC ACADEMY

# Certificate

\_\_\_\_ OF INTERNSHIP \_\_\_\_

This Certificate presented to

**Mr/Miss :** Mohd Paveez Khan (17RT1A1236)

For the successful Completion of the Internship Program  
from 14<sup>th</sup> Oct to 10<sup>th</sup> Nov Year 2020

  
\_\_\_\_\_  
AUTHORIZED SIGNATURE

## CERTIFICATE

This is to certify that the project report entitled **Thermo-Structural Design & Analysis of Control Surface TPS for a Hypersonic Missile** being submitted by

**Mohammed Abdullah Ghor**

**17RT1A0332**

In partial fulfilment for the award of the Degree of Bachelor of Technology in Mechanical Engineering to the Jawaharlal Nehru Technological University, Hyderabad is a record of bonafide work carried out under my guidance and supervision at Nawab Shah Alam Khan College of Engineering and Technology.

The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree or Diploma.



**Dr Syed Mujahed Hussaini**

Project Guide & Head of the Department



**Dr Syed Abdul Sattar**

Principal

**PRINCIPAL**

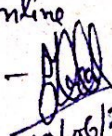
**Nawab Shah Alam Khan**

**College of Engineering & Technology**  
New Malakpet, Hyderabad-500024.

**External Examiner:**

**Name:**

**Signature with date:**

*Note: Exam was conducted online  
project supervisor -*   
29/06/21



## CERTIFICATE

This is to certify that the project report entitled **DESIGN OF CENTRAL AIR CONDITIONING SYSTEM IN COLLEGE BUILDING** being submitted by

**MOHD MOIZ UDDIN**

**(18RT5A0325)**

**M.A KHALEEL**

**(18RT5A0315)**

**M.A WASEEM**

**(18RT5A0308)**

**MOHAMMED IBRAHIM**

**(18RT5A0317)**

In partial fulfillment for the award of the Degree of Bachelor of Technology in Mechanical Engineering to the Jawaharlal Nehru Technological University, Hyderabad is a record of bonafied work carried out under my guidance and supervision at Nawab Shah Alam Khan Collage of Engineering and Technology Hyderabad .


The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree or Diploma.

  
**Mr. M. RASHEED**

Project Guide


  
**Mr. MOHAMMED AQEEL AHMED**

Project Coordinator

  
**Dr. SYED MUJAHED HUSSAINI**  
HEAD  
Dept. of Mechanical Engineering,  
Nawab Shah Alam Khan College  
of Engineering & Technology  
16-4-1/A, New Malakpet,  
HYDERABAD-500024.  
**EXTERNAL EXAMINER:**

Name:

Signature with date:

  
**Dr. SYED ABDUL SATTAR**  
Principal  
**PRINCIPAL**  
Nawab Shah Alam Khan  
College of Engineering & Technology  
New Malakpet, Hyderabad-500024.

## CERTIFICATE

This is to certify that the project report entitled **DESIGN AND FABRICATION OF SOLAR POWERED E BICYCLE** being submitted by

**SHAIK ABDUL WASI**

(17RT1A0394)

**SHAIK ASHRAF ALI**

(17RT1A0395)

**M.A.RAHMAN**

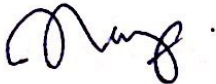
(18RT5A0316)

**MOHD SADIQ**

(18RT5A0326)

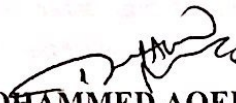
In partial fulfillment for the award of the Degree of Bachelor of Technology in Mechanical Engineering to the Jawaharlal Nehru Technological University, Hyderabad is a record of bonafied work carried out under my guidance and supervision at Nawab Shah Alam Khan Collage of Engineering and Technology Hyderabad.

The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree or Diploma.



**Mr. RAZA AHMED KHAN**

Project Guide



**Mr. MOHAMMED AQEEL AHMED**

Project Coordinator



**Dr. SYED MUJAHED HUSSAINI**

Head of the Department



**Dr. SYED ABDUL SATTAR**

Principal

**PRINCIPAL**

**Nawab Shah Alam Khan**

**College of Engineering & Technology**

**New Malakpet, Hyderabad-500024.**

**EXTERNAL EXAMINER:**

**Name:**

**Signature with date:**

*Nota: Exam was conducted online*

*project supervisors! - [Signature] 02/6/2021*

## CERTIFICATE

This is to certify that the project report entitled "Design & Analysis of Composite Car Bumper" being submitted by

MOHD KHALEEL UR RAHEMAN (17RT1A0379)

MOHD SULEMAAN UDDIN ALI KHAN (17RT1A0386)

MOHAMMED SHOAIB HUSSAIN (18RT5A0318)

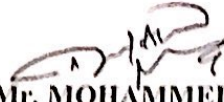
In partial fulfillment for the award of the Degree of Bachelor of Technology in Mechanical Engineering to the Jawaharlal Nehru Technological University, Hyderabad is a record of bonafied work carried out under my guidance and supervision at Nawab Shah Alam Khan Collage of Engineering and Technology Hyderabad.

The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree or Diploma.



**Dr. SYED MUJAHED HUSSAINI**

Project Guide



**Mr. MOHAMMED AQEEL**

Project Coordinator



**Dr. SYED MUJAHED HUSSAINI**

Head of the Department



**Dr. SYED ABDUL SATTAR**

Principal

**PRINCIPAL**


**Nawab Shah Alam Khan**

**College of Engineering & Technology**  
New Malakpet, Hyderabad-500024.

**EXTERNAL EXAMINER:**

**Name:**

**Signature with date:**

Note! Exam was conducted online  
Project supervisor -   
28/06/21 ii



# NAWAB SHAH ALAM KHAN COLLEGE OF ENGINEERING & TECHNOLOGY

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the dissertation entitled "**DEVELOPMENT OF SOLAR WATER HEATER**" is being submitted by the following student in partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY IN MECHANICAL ENGINEERING**, affiliated to **Jawaharlal Nehru Technological University** is a record of Bonafide work carried out by student under guidance and supervision by the following student:

**ADIL MOHAMMED SAIF UL ISLAM**

**(18RT5A0301)**

**IBRAHIM BIN HASSAN**


**(18RT5A0305)**

**MOHAMMED AIJAZ UDDIN**


**(18RT5A0309)**

**SHAIK AWAIS**


**(18RT5A0329)**

  
**MR. FAZAL MOHAMMED**

Project Guide

  
**Mr. MOHD AQEEL AHMED**

Project Coordinator

  
**Dr. SYED MUJAHED HUSSAINI**

Head of the Dept

  
**Dr. SYED ABDUL SATTAR**

Principal

**PRINCIPAL**

**Nawab Shah Alam Khan**

**College of Engineering & Technology**

**New Malakpet, Hyderabad-500024.**

**EXTERNAL EXAMINER:**

**Name:**

**Signature with date:**

## CERTIFICATE

This is to certify that the project report entitled DESIGN AND ANALYSIS OF HELICAL COIL HEAT EXCHANGER being submitted by

Abdul Mannan Baig

17RT1AO301

Hamed Bin Taher Harhara

17RT1A0311

Mohammed Abdul Wajid

17RT1A0330

In partial fulfillment for the award of the Degree of Bachelor of Technology in Mechanical Engineering to the Jawaharlal Nehru Technological University, Hyderabad is a record of bonafied work carried out under my guidance and supervision at Nawab Shah Alam Khan Collage of Engineering and Technology Hyderabad .

The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree or Diploma.



**Mr. MIRZA HAROON BAIG**

Project Guide



**Mr. MOHAMMED AQEEL AHMED**

Project Coordinator

**HEAD**  
**Dept. of Mech. Engineering,**  
**Nawab Shah Alam Khan College**  
**of Engineering & Technology**  
**Dr. SYED MUJAHED HUSSAINI**  
Head of the Department

  
**Dr. SYED ABDUL SATTAR**

Principal

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

**EXTERNAL EXAMINER:**

**Name:**

**Signature with date:**



# IAWAB SHAH ALAM KHAN COLLEGE OF ENGINEERING & TECHNOLOGY

## DEPARTMENT OF MECHANICAL ENGINEERING



### CERTIFICATE

This is to certify that the dissertation entitled "**DEVELOPMENT OF SOLAR WATER HEATER**" is being submitted by the following student in partial fulfillment of the requirement for the award of the degree of **BACHELOR OF TECHNOLOGY IN MECHANICAL ENGINEERING**, affiliated to **Jawaharlal Nehru Technological University** is a record of bonafide work carried out by student under guidance and supervision by the following student:

**ADIL MOHAMMED SAIF UL ISLAM**

**(18RT5A0301)**

**IBRAHIM BIN HASSAN**

**(18RT5A0305)**

**MOHAMMED ALJAZ UDDIN**

**(18RT5A0309)**

**SHAIK AWAIS**

**(18RT5A0329)**

**MR. FAZAL MOHAMMED**

Project Guide

**Mr. MOHD AQEEL AHMED**

Project Coordinator

**HEAD**  
Dept. of Mechanical Engineering,  
Nawab Shah Alam Khan College  
of Engineering & Technology,  
Head of the Dept  
HYDERABAD-500024

**Dr. SYED ABDUL SATTAR**

Principal

**EXTERNAL EXAMINER:**

Name:

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

Signature with date:



## CERTIFICATE

This is to certify that the project report entitled **PNEUMATIC PAPER CUP MAKING MACHINE** being submitted by

**ISMAIL PASHA**

**(17RT1A0312)**

**MOHAMMED ABDUL JALEEL**

**(17RT1A0327)**

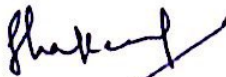
**MOHAMMED HYDER AHMED**

**(17RT1A0341)**

**MOHAMMED TAJ**

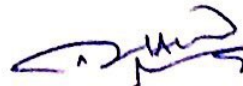
**(17RT1A0360)**

In partial fulfillment for the award of the Degree of Bachelor of Technology in Mechanical Engineering to the Jawaharlal Nehru Technological University, Hyderabad is a record of bonafied work carried out under my guidance and supervision at Nawab Shah Alam Khan College of Engineering and Technology Hyderabad .The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree or Diploma.




**Mr. SYED SHAKEEL AHMED**

Project Guide



**Mr. MOHAMMED AQEEL AHMED**

Project Coordinator



**Dr. SYED MUJAHEED HUSSAINI**  
HEAD  
Dept. of Mechanical Engineering,  
Nawab Shah Alam Khan College  
of Engineering & Technology,  
New Malakpet,  
HYDERABAD-500024

**EXTERNAL EXAMINE:**



**Dr. SYED ABDUL SATTAR**

Principal

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

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

**Department of Mechanical Engineering**



**CERTIFICATE**

This is to certify that the dissertation entitled "DESIGN AND FABRICATION OF STAIR LIFT" is being submitted by the following student in partial fulfillment of the requirement for the award of the degree of BACHELOR OF TECHNOLOGY IN MECHANICAL ENGINEERING, affiliated to Jawaharlal Nehru Technological University is a record of Bonafide work carried out by student under guidance and supervision by the following student:

**SYED FARDEEN ALI**

**17RT1A03A7**

**MUSAIB MOHIUDDIN**

**17RT1A0389**

**SYED NAIYYER HUSSAIN**

**17RT1A03B6**

**SYED ALTAF UDDIN**

**17RT1A03A5**

**Mr. FAZAL MOHAMMED**

Guide & Assistant Professor

Department of Mechanical Engineering

**PRINCIPAL**

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

**Dr. MUJHAHED HUSSAIN**

Dept. of Mechanical Engineering  
Nawab Shah Alam Khan College  
Head of the Department  
of Engineering & Technology  
16-4-1/A, New Malakpet,  
HYDERABAD-500 024

Department of Mechanical Engineering

**EXTERNAL EXAMINER**



## CERTIFICATE

This is to certify that the project report entitled

**ELECTROMAGNETIC BRAKING SYSTEM** being submitted by

**MOHAMMED ABIDULLAH ANSARI** (17RT1A0333)

**MOHAMMED VASIUDDIN** (17RT1A0361)

**MOHAMMED AZIZUDDIN** (17RT1A0338)


In partial fulfillment for the award of the Degree of Bachelor of Technology in Mechanical Engineering to the Jawaharlal Nehru Technological University, Hyderabad is a record of bonafied work carried out under my guidance and supervision at Nawab Shah Alam Khan Collage of Engineering and Technology Hyderabad.

The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree or Diploma.


  
**MOHAMMED SHARJEEL ZEESHAN** &

**Mr. MOHAMMED AQEEL AHMED** 

Project Guide. & Project Coordinator.

  
**Dr. SYED MUBASHIR HUSSAIN**  
Nawab Shah Alam Khan College  
of Engineering & Technology

Head of the Department

Principal 

**PRINCIPAL**

Nawab Shah Alam Khan

**EXTERNAL EXAMINER:**

College of Engineering & Technology  
New Market, Hyderabad-500048  
Signature with date:

Name:



## CERTIFICATE

This is to certify that the project report entitled

**ELECTROMAGNETIC BRAKING SYSTEM** being submitted by

**MOHAMMED ABIDULLAH ANSARI** (17RT1A0333)

**MOHAMMED VASIUDDIN** (17RT1A0361)

**MOHAMMED AZIZUDDIN** (17RT1A0338)

In partial fulfillment for the award of the Degree of Bachelor of Technology in Mechanical Engineering to the Jawaharlal Nehru Technological University, Hyderabad is a record of bonafied work carried out under my guidance and supervision at Nawab Shah Alam Khan Collage of Engineering and Technology Hyderabad .

The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree or Diploma.

  
**MOHAMMED SHARJEEL ZEESHAN &**

**Mr. MOHAMMED AQEEL AHMED**

Project Guide & Project Coordinator.

Dept. of Mech. Engineering  
Nawab Shah Alam Khan College

**Dr. SYED ENAYAT HUSSAINI**  
16-4-1/A, New Malakpet,  
HYDERABAD-500 024

**Dr. SYED ABDUL SATTAR**

Head of the Department

  
Principal

**PRINCIPAL**

Nawab Shah Alam Khan

**EXTERNAL EXAMINER** College of Engineering & Technology

New Malakpet, Hyderabad-500024.

Name:

Signature with date:

## CERTIFICATE

This is to certify that the project report entitled **FABRICATION OF 4 CYCLE**  
being submitted by

**GROUP A1**

**(17TCT140201)**

**MUSHA FATHIMA FATHI**

**(17TCT140202)**

**MUHAMMAD ABU BAKR**

**(17TCT140203)**

**ABDUL KUSHTHAN**

**(17TCT140204)**

In partial fulfillment for the award of the Degree in Bachelor of Technology in  
Mechanical Engineering at the Government Anna Technological University, Hyderabad is a  
project report entitled **4 CYCLE** submitted by the students and supervised by **Dr. SAEED ABU BAKR**  
Faculty of Engineering and Technology, Hyderabad.

The report submitted in the project report has not been submitted to any other  
University or Institute for the award of any Degree or Diploma.

  
**DR. SAEED ABU BAKR**

Project Guide

  
**DR. MUHAMMAD AQUEEL AMIN**

Project Coordinator

  
**DR. SAEED ABU BAKR**

Head of the Department

**DR. SAEED ABU BAKR**

Principal

## CERTIFICATE

This is to certify that the project report entitled **TWO-DAY CRACK ARREST**  
**CAPABILITY EVALUATION IN METALLIC**

being submitted by

**M A MUNNAWAR**

**(18RT1A1701)**

**SHAKIL SAMIR-RAHMAN**

**(17RT1A1340)**

**OK MOHAMMED NASF UDDIN**

**(17RT1A1342)**

**MOHAMMED NADEEM**

**(17RT1A1341)**

In partial fulfillment for the award of the Degree of Bachelor of Technology in Mechanical Engineering to the Jawaharal Nehru Technological University, Hyderabad is a record of bonafide work carried out under my guidance and supervision at Nawab Shah Alam Khan Collage of Engineering and Technology Hyderabad.

The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree or Diploma.

*For* 

**Mr. MOHAMMED AQEEL AHMED**

Project Guide AND Project Coordinator

**Dr. SYED MUJAHED HUSSAINI**

**Dr. SYED ABDUL SATTAR**

Head of the Department

Principal

Dept. of Mech. Engineering  
Nawab Shah Alam Khan Collage  
of Engineering & Technology  
16-4-104, New Malakpet,  
HYDERABAD-500 034

**EXTERNAL EXAMINER:**

Name:

Signature with date:



## **CERTIFICATE**

This is to certify that the Project Report entitled **"FABRICATION OF SCREW TURBINE FOR ELECTRICITY GENERATION"** is submitted by

**Ms. SHAHEDA MAHREEN (18RT5A0328)**

**Mr. SYED MAAZ UDDIN (18D95A0311)**

in partial fulfillment for the Award of the Degree of Bachelor of technology in Mechanical Engineering to the Jawaharlal Nehru Technological University, Hyderabad, is a record of bona fide work carried out under my guidance and supervision, during the academic years 2020-2021.

The result embodied in this project report have not been submitted to any other university or institute for the award of any Degree or Diploma.

  
**Mrs. Tasleem Banu**

**PROJECT GUIDE**

**Dr. Syed Mujahed Hussaini**  
**HEAD OF THE DEPARTMENT**

**EXTERNAL EXAMINER:**

## □ CERTIFICATE

This is to certify that the project report entitled **FABRICATION OF PNEUMATIC VICE** being submitted by

Mohd Abdul Qavi

17RT1A0366

Mohd Abdul Rahman

17RT1A0368

Mohd Arbaz

17RT1A0370

in partial fulfillment for the award of the Degree of Bachelor of Technology in Mechanical Engineering to the Jawaharlal Nehru Technological University, Hyderabad is a record of bona fide work carried out under my guidance and supervision.

The results embodied in this project report have not been submitted to any other University or Institute for the award of any Degree or Diploma.

  
Mr Syed. Amer Ur Rahman

Assistant Professor

Dr. Syed Mujahed Hussaini

Head of the Department



040-24525075  
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

Date :

## CERTIFICATE

This is to certify that the project work entitled "**FIRE FIGHTING ROBOTWITH  
ARTIFICIAL INTELLIGENCE**" is being submitted by

**AFEEFA KHAN**

**(18RT5A0401)**

**HUMERA UNNISA**

**(17RT1A0407)**

**MD. ABDUL MUDASSIR**

**(18RT5A0402)**

They have done the project work during the academic year 2020-2021 in partial fulfillment of the award of **BACHELORS OF TECHNOLOGY** in Electronics & Communication Engineering from **Jawaharlal Nehru Technological University Hyderabad (JNTUH)**. This is a Bonafide record carried out by them under our guidance and supervision.

The results of investigation enclosed with this report has been verified and found to be satisfactory.

  
**MR. ANWAR UDDIN**

Internal External/Guide

  
**MR. ANWAR UDDIN**

Project Co-Ordinator

  
**MS. SHANILA MAHREEN**

Head of the Department and

  
**EXTERNAL EXAMINER**

  
**DR. SYED ABDUL SATTAR**

Principal

**PRINCIPAL**

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





# 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.

Date :

## CERTIFICATE

This is to certify that the project work entitled "**IOT BASED APPLICATIONS  
FOR FACTORY AUTOMATION**" is being submitted by

**SAAD (17RT1A0412)**

**ASLAM GHORI (17RT1A0408)**

They have done the project work during the academic year 2020-2021 in partial fulfillment of the award of **BACHELORS OF TECHNOLOGY** in Electronics & Communication Engineering from Jawaharlal Nehru Technological University Hyderabad (JNTUH). This is a Bonafide record carried out by them under our guidance and supervision.

The results of investigation enclosed with this report has been verified and found to be satisfactory.

**Mr. Mujtaba Saleh Ahmed**

Internal Guide

**MR. ANWAR UDDIN**

Project Co-Ordinator

**MS. SHANILA MAHREEN**

Head of the Department

**EXTERNAL EXAMINER**

**DR. SYED ABDUL SATTAR**

**Principal  
PRINCIPAL**

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



040-24525075  
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.

Date :

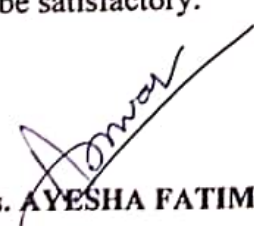
## CERTIFICATE

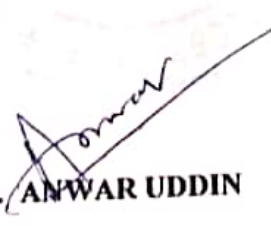
This is to certify that the project work entitled “SHIPPING CONTAINER WITH ENVIRONMENTAL MONITORING AND LOCATION TRACKING” is being submitted by


|                 |              |
|-----------------|--------------|
| SHARMILA SANA   | (17RT1A0413) |
| HUMAIRA NASHAT  | (17RT1A0403) |
| AFREEN SULTANA  | (17RT1A0401) |
| MD FASAHATH ALI | (17RT1A0404) |

They have done the project work during the academic year 2020-2021 in partial fulfillment of the award of **BACHELORS OF TECHNOLOGY** in Electronics & Communication Engineering from Jawaharlal Nehru Technological University Hyderabad (JNTUH). This is a Bonafide record carried out by them under our guidance and supervision.

The results of investigation enclosed with this report has been verified and found to be satisfactory.

  
Ms. **AYESHA FATIMA**  
Internal Guide

  
MR. **ANWAR UDDIN**  
Project Co-Ordinator

  
MS. **SHANILA MAHREEN**  
Head of the Department  
Department of Electronics & Communication Engineering  
Nawab Shah Alam Khan College of Engineering & Technology  
# 16-4-1/A, New Malakpet, Hyderabad 500 024 A.P.

  
**EXTERNAL EXAMINER**

  
**DR. SYED ABDUL SATTAR**

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





# Nawab Shah Alam Khan

COLLEGE OF ENGINEERING & TECHNOLOGY

Recognised by AICTE | Permitted by State Govt. | Affiliated to JNTUH

16-4-1, Near Railway Station, Malakpet, Hyderabad

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

## CERTIFICATE

This is to certify that the Project work entitled "A SOLAR POWER GENERATION SYSTEM WITH A SEVEN-LEVEL INVERTER" is being submitted by the following students:

SYED TALHA

(17RT1A0213)

ANUPUR RAYAN ABHISHEK SUNDER

(18BE5A0201)

MD. IMRAN KHAN

(18RT5A0204)

SHAIK. ASIFA BEGUM

(18RT5A0215)

They have done the Project work during the academic year 2020-2021 in partial fulfillment of the requirements for the award of degree - **B. Tech in ELECTRICAL AND ELECTRONICS ENGINEERING** from JNTUH. This is a bonafide record work carried out by them under our guidance and supervision. The results of investigation enclosed with this report have been verified and found to be satisfactory.

Internal Guide

Head of the Department

Principal

External Examiner

PRINCIPAL

Nawab Shah Alam Khan

College of Engineering & Technology

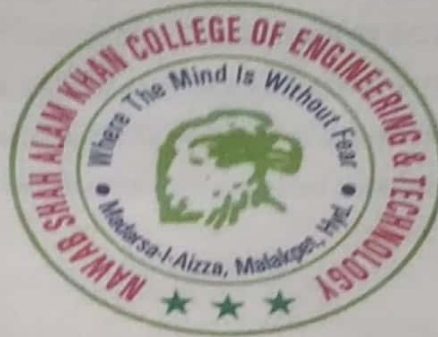
New Malakpet, Hyderabad-500024.



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING  
NAWAB SHAH ALAM KHAN COLLEGE OF ENGINEERING & TECHNOLOGY

New Malakpet, Near Railway Station, Telangana 500024

JUNE 2021

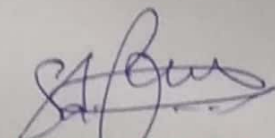


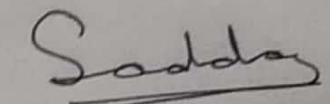
**CERTIFICATE**

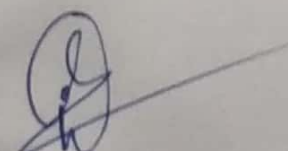
This is to certify the project report title "CONTROL AND OPERATION OF A DC GRID-BASED WIND POWER GENERATION SYSTEM IN A MICRO GRID" is the work done by,


|                           |            |
|---------------------------|------------|
| MOHAMMED SAMI UDDIN AMEEN | 17RT1A0215 |
| MOHAMMED TAHER UDDIN      | 18RT5A0205 |
| MOHAMMED ABDUL KABEER     | 18RT5A0206 |
| SYED ALI FAIZAN SADIR     | 18RT5A0216 |

They have done the Project work during the academic year 2020-2021 in partial fulfillment of the requirements for the award of degree - **B. Tech in ELECTRICAL AND ELECTRONICS ENGINEERING** from JNTUH. This is a bonafide record work carried out by them under our guidance and supervision. The results of investigation enclosed with this report have been verified and found to be satisfactory.

  
INTERNAL GUIDE

  
HEAD OF THE DEPARTMENT

  
EXTERNAL EXAMINER

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



# Nawab Shah Alam Khan

## COLLEGE OF ENGINEERING & TECHNOLOGY

Recognised by AICTE | Permitted by State Govt. | Affiliated to JNTUH

16-4-1, Near Railway Station, Malakpet, Hyderabad

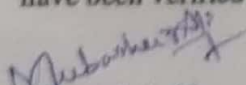
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### CERTIFICATE

This is to certify that the Project work entitled "VEHICLE-TO-GRID TECHNOLOGY IN A MICRO-GRID USING DC FAST CHARGING ARCHITECTURE" is being submitted by the following students:

|                           |              |
|---------------------------|--------------|
| ASRA SADIYA               | (17RT1A0202) |
| AZKA IHTESHAM UDDIN AHMED | (18RT5A0201) |
| MOHAMMED FAISAL RAHMAN    | (18RT5A0210) |

They have done the Project work during the academic year 2020-2021 in partial fulfillment of the requirements for the award of degree - B. Tech in ELECTRICAL AND ELECTRONICS ENGINEERING from JNTUH. This is a bonafide record work carried out by them under our guidance and supervision. The results of investigation enclosed with this report have been verified and found to be satisfactory.

  
Internal Guide

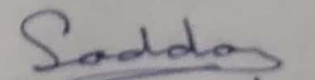
  
Principal


PRINCIPAL

Nawab Shah Alam Khan

College of Engineering & Technology

New Malakpet, Hyderabad-500024.

  
Head of the Department

  
External Examiner



# Nawab Shah Alam Khan

## COLLEGE OF ENGINEERING & TECHNOLOGY

Recognised by AICTE | Permitted by State Govt. | Affiliated to JNTUH

16-4-1, Near Railway Station, Malakpet, Hyderabad

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### CERTIFICATE

This is to certify that the Project work entitled "AWIRELESS FAULT MONITORING AND ALERT SYSTEM OF POWER TRANSFORMER" is being submitted by the following students:

|                                |              |
|--------------------------------|--------------|
| MOHAMMED FAISALBIN CHAND PASHA | (18RT5A0213) |
| MOHAMMED ADNAN SULEMAN         | (18RT5A0207) |
| MOHD ALTAF                     | (18RT5A0209) |
| MOHD ABDUL ALEEM               | (18RT5A0212) |

They have done the Project work during the academic year 2020-2021 in partial fulfillment of the requirements for the award of degree - B.Tech in ELECTRICAL AND ELECTRONICS ENGINEERING from JNTUH.

This is a bonafide record work carried out by them under our guidance and supervision. The results of investigation enclosed with this report have been verified and found to be satisfactory.

Internal Guide

Principal

PRINCIPAL

Nawab Shah Alam Khan

College of Engineering & Technology

New Malakpet, Hyderabad-500024.

Head of the Department

External Examiner





# 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 | Affiliated to OU | Accredited to NAAC | Permitted by Govt. of TS | Included in 2F UGC

### CERTIFICATE

This is to certify that the industry oriented mini project entitled  
“MED-RELIVE”, is a bonafied work of

Mohd Meraj, bearing 17RT1A1233.

Syed Ahmed Ali, bearing 17RT1A1245.

Mohd Zuber Uddin, bearing 17RT1A1239.

Submitted in partial fulfillment of the requirement for the award of  
BACHELOR OF TECHNOLOGY in Information Technology during  
the academic year ,  
2020-2021.

This is further certified that the work done under my guidance, and the  
results of this work have not been submitted elsewhere for the award of  
any other degree.

**Dr. G. Sambasiva Rao**

Guide & H.OD of IT DEPT

External Examiner

**Principal**

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



# 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 | Affiliated to OU | Accredited to NAAC | Permitted by Govt. of TS | Included in 2F UGC

### CERTIFICATE

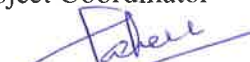
This is to certify that the industry oriented mini project entitled "APPLICATION RESEARCH BASED ON TEXT CLASSIFICATION BASED ON RANDOM FOREST ALGORITHM", is a bonafied work of **SAIRA ZAINA** bearing **17RT1A1240**, **SAMREEN SULTANA** bearing **17RT1A1242** & **SYEDA TAMANNA FATIMA** bearing **17RTA1255** submitted in partial fulfillment of the requirement for the award of BACHELOR OF TECHNOLOGY in Information Technology during the academic year 2017-2021.

This is further certified that the work done under my guidance, and the results of this work have not been submitted elsewhere for the award of any other degree.

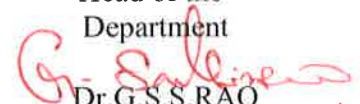
Guide

  
Mrs. TAHERA ABID  
(ASSISTANT PROF)

Project Coordinator

  
Mrs. TAHERA ABID  
(ASSISTANT PROF)

Head of the  
Department

  
Dr. G.S.S. RAO  
(PROFFESOR) 21/6/2021

External Examiner

Date:



Principal

Dr. Syed Abdul Sattar

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



**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 | Affiliated to OU | Accredited to NAAC | Permitted by Govt. of TS | Included in 2F UGC

## CERTIFICATE

This is to certify that the Major project entitled  
“A Deep Learning Facial Expression Recognition Based Scoring System  
For Restaurants”, is a bonafied work of

MIR JAFFER ALI, bearing 17RT1A1211.

MOHD FAIZ, bearing 17RT1A1228.

MOHD PARVEZ KHAN, bearing 17RT1A1236.

Submitted in partial fulfillment of the requirement for the award of  
BACHELOR OF TECHNOLOGY in Information Technology during  
the academic year  
2020-2021.

This is further certified that the work done under my guidance, and the  
results of this work have not been submitted elsewhere for the award of  
any other degree.

Guide

Mr. Mohd Ayaz Uddin  
(Associate professor)

PROJECT CO-ORDINATOR

Ms. Tahera Abid  
( Assistant Professor )

H.O.D

Dr.G.S.S.Rao  
(Professor)

External Examiner

Principal

Dr.Syed Abdul Sattar

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





**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 | Affiliated to OU | Accredited to NAAC | Permitted by Govt. of TS | Included in 2F UGC

## CERTIFICATE

This is to certify that the Major project entitled “RESEARCH ON RECOGNITION MODEL OF CROP DISEASES AND INSECT PESTS BASED ON DEEP LEARNING IN HARSH ENVIRONMENTS”, is a bonafied work of

**Mohd Meraj,** bearing 17RT1A1233.

**Syed Ahmed Ali,** bearing 17RT1A1245.

**Mohd Zuber Uddin,** bearing 17RT1A1239.

Submitted in partial fulfillment of the requirement for the award of **BACHELOR OF TECHNOLOGY in Information Technology** during the academic year **2020-2021**.

This is further certified that the work done under my guidance, and the results of this work have not been submitted anywhere for the award of any other degree or diploma.

*Signature*  
19/06/2021

**Ms. Tahera Abid**  
Project Coordinator &  
Asst. Professor of I.T DEPT

*Signature*  
21/6/2021

**Dr. G. Samba Siva Rao**  
Internal Guide, Professor  
& H.O.D of I.T DEPT

*Signature*

**Principal**

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

**External Examiner**  
**Date:**