



# 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

## Mechanical Engineering Department

### Hyderabad, Telangana, India.



Presents

*Mechopedia*

*Technical Article*

### Editors

1. Dr. Syed Mujahed hussaini
2. Mohammed Taher
3. Ahmad Hussein
4. Syed Aamer Ur Rahman
5. Shaik Hussain

2017-2018

## **VISION AND MISSION OF THE INSTITUTE**

### **VISION**

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

### **MISSION**

- M1:** *To provide adequate knowledge encompassing strong technical concepts and soft skills thereby inculcating sound ethics.*
- M2:** *To provide a conducive environment to nurture creativity in teaching- learning process.*
- M3:** *To identify and provide facilities which create opportunities for deserving students of all communities to excel in their chosen fields.*
- M4:** *To strive and contribute to the needs of the society and the nation by applying advanced engineering and technical concepts*

## **VISION AND MISSION OF MECHANICAL ENGINEERING DEPARTMENT**

### **VISION**

*To achieve excellence in Mechanical Engineering by imparting technical and professional skills along with ethical values to meet social needs via industrial requirements.*

### **MISSION**

- M1:** *To offer quality education with the supportive facilities to produce efficient and competent engineers through industry-institute interaction.*
- M2:** *To prepare the students with academic excellence, professional competence, and ethical behavior for a lifelong learning.*
- M3:** *To inculcate moral & professional values among the students to cater the needs of the society and environment.*

## **PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)**

- PEO 1:** *Graduates will apply their engineering knowledge and problem solving skills to design mechanical systems and processes.*
- PEO 2:** *Graduates will embrace leadership skills at various roles in their career and establish excellence in the field of Mechanical Engineering.*
- PEO 3:** *Graduates will provide engineering solutions to meet industrial requirements there by full fill societal needs.*

## **PROGRAM OUTCOMES (POs)**

**Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

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

## **PROGRAM SPECIFIC OUTCOMES (PSOs)**

- PSO-1:** *Implement new ideas on product design and development with the help of modern computer aided tools, while ensuring best manufacturing practices*
- PSO-2:** *Impart technical knowledge, ethical values and managerial skills to make successful in career.*
- PSO-3:** *Develop innovative attitude, critical thinking and problem solving approach for any domains of mechanical engineering*



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& TodayWalkins.COM

## Presents MEGA JOB FAIR

ON 16<sup>th</sup> FEB-2018

Company	Job Role	Qualifications	Experience	Salary
1 Tech Mahindra	Technical / Customer Support	Inter/Diploma/Any Graduation (B.Com/B.Sc/B.E/B.Tech)	Fresher/ Experienced	Rs. 7.40 LPA to Rs. 2.75LPA
2 Arch IT Services Pvt Ltd	Female WF & Non IT fresher	MBA	0-2 Years	15-20K
	Female Customer Care Executive (Team Leader)	Any Graduate	0-2 Years	15-20K
3 Eureka Forbes	Jr & Sr Marketing Executives on Field (Male)	Any Graduate	0-4 Years	Fresher/11K + Incentives for Experience 20-25K
	Customer Sales Specialist/Team Leader	Any Graduate / Diploma	Fresher	1.2 to 1.5 Lakh Per Annum & Incentives are additional.
4 Citron Infotech Private Limited	Sales executive for Medical Equipments	Any Graduate / Post Graduate	Fresher	1.5-3 Lacs Per Annum
	DIT - Trainee Fresher	Diploma in Mechanical or Civil	Fresher	Rs. 8000/-
	GET - Trainee Fresher	B.Tech in Mechanical or Civil	Fresher	Rs. 10000/-
	Service Engineer	B.E / B.Tech - Electrical Engineer	Fresher	13K- 14K
5 ArthaPartha	Telesales Executive	Any Graduate	Fresher	
	Client Servicing Analyst	Any Graduate (2018 Batch is not eligible)	6 months Experience in Sales or Customer Support	
	Junior Financial Planner	MBA Finance	Fresher	
	Search Engine Optimization(SEO)	Any Graduate (2018 Batch is not eligible)	6 months Experience in Sales or Customer Support	
	Digital Marketing Intern	Any Graduate	Fresher	
	Implementation Sales	MBA Finance (2018 Batch is not eligible)	6 months Experience in Sales or Customer Support	
6 Axis Securities	Sales Executive	12th / Any Graduate	Fresher	Rs. 12000 to 17000
	Telephone Banking	12th / Any Graduate	Fresher	Rs. 12000 to 17000
7 Direct Dialogue Initiatives India	Frontliner	Any Graduate / Post Graduate (B.Tech Candidates are not eligible)	Fresher	Rs. 15, 400 - 18,150 per month
	Accountant	B.Com Graduate with Tally knowledge	Fresher/ Experienced	Rs. 20K Depend upon their Experience
8 Infesta Soft Solutions Pvt Ltd	Business Development Executive	Any Graduate / Post Graduate	Fresher/ Experienced	Rs. 20K Depend upon their Experience
	Android Developer	Any Graduate from B.Tech / BSc/BCom	Fresher/ Experienced	Rs. 20K Depend upon their Experience
	PHP Developer	Any Graduate from B.Tech	Fresher/ Experienced	Rs. 20K Depend upon their Experience
	UI Developer	Any Graduate from B.Tech	Fresher/ Experienced	Rs. 20K Depend upon their Experience
	Digital Marketing	Any Graduate from B.Com/BBA/MBA	Fresher/ Experienced	Rs. 20K Depend upon their Experience
	Marketing Executive	Any Graduate from B.Com/BBA/MBA	Fresher/ Experienced	Rs. 20K Depend upon their Experience
9 MixItz Limited	Lead Generation	Any Graduate	Fresher/ Experienced	Rs. 20K Depend upon their Experience
	Toll Caller	Any Graduate	Fresher/ Experienced	Rs. 20K Depend upon their Experience
10 Magnatek Careers	HR - Executive	Any Graduate/ MBA	Fresher	1.4 to 2L Per Annum
	Area Sales Executive/Manager	Any Graduate/ Post Graduate		1.8 Lacs to 3.60 Lac + TA + DA + Incentives
11 Aegis Customer Support Services Pvt Ltd	Customer Care Executives	Any Graduate	Fresher/ Experienced	Rs. 10, 479 Per Month
	US IT Recruiter	Any Graduate	Fresher/ Experienced	Rs. 10000 to 20000
12 Eruite Infotech	Domestic Recruiter	Any Graduate	Fresher/ Experienced	Rs. 10000 to 20000
	Counselor	Any Graduate	Fresher/ Experienced	Rs. 15000
	Net developers	B.E / M.Tech/ B.Tech/ MCA/ BCA/ BSc/ Computer Science	Fresher/ Experienced	3lac Per Annum
	Business Development Executive	MBA Marketing	Fresher/ Experienced	Rs. 15000
13 Wenso Solutions	Accountant	B.Com (2018 Batch is not eligible)	1-2 Years Experience	
	Tale Sales Executive	MBA	0-5 Experience	
	HR (MBA)	MBA	0-3 Years	
	Net Developer	Any Graduate	0-5 Years	
	PHP Developer	Any Graduate	0-5 Years	
	Zameer Developer	Any Graduate (2018 Batch is not eligible)	2-5 Years	
14 BGC Mobiles Pvt Ltd	Web and UI Designer	Any Graduate (2018 Batch is not eligible)	3-5 Years	
	Retail Showroom Managers	Any Graduate (2018 Batch is not eligible)	4-6 Years	12000 to 14000+ Incentives
	Counter Sales Executive - Mobiles / Accessories	SSC/Intermediate/ Any Graduate	0-4 Years of Sales Experience in Retail / Telecom / Service Industry.	Rs. 8000/- to 12500/- Incentives upto 6000
	Showroom Cashier ( Billing Executive)	B.Com / MBA Finance	0-3 Years of experience in Retail / Telecom / Service Industry.	Rs. 9,500/- + Allowance 8000
15 TekFriday Processing Solutions Pvt Ltd	Delivery Executives - Mobiles / Accessories	SSC	0-3 Years	Upto Rs. 12000/-
	Data Identifiers	BSc/B.Tech / B.E/Any Graduates	Fresher	
16 Reliance Life Insurance	Net developers	BSc/B.Tech / B.E/Any Graduates	Fresher	
	Sales Office	Any Graduates	Fresher/ Experienced	2.40 Lacs PA + Incentive upto 40K per month.
17 Subharsha Projects India Pvt. Ltd.	Promoter / Marketing Executive	SSC/Intermediate/ Graduate/ MBA		10,000/- FIED value Incentives upto 30,000/-
	Sales Executive	Intermediate/ Diploma/ Any Graduate (B.Tech Candidates are not eligible)	Fresher	5K Per Month
18 Intelnet Global Services	Associate Java Developer	65% in B.Tech/SSC or IT streams only	Fresher	Rs. 1,44,30/ Annum
	Marketing Executive	SSC/Intermediate/Any Graduate	Fresher	RS 10,000/-
19 Tradelenses India Pvt Ltd	Marketing Manager	Any Graduates	Fresher/ Experienced	RS 12000/- (Plus Incentives and Commission)
	Jr and Sr Accountant	B.Com/ Mcom/MBA Finance	Fresher/ Experienced	15,000/- AND 18,000/-
	Toll Caller	Any Graduate	Fresher	RS 6,000/-
	Telecom Engineer	Any B.Tech/B.E	Fresher	1.2 Lakh to 3 Lakh per annum
20 Silagita Marketing and Services Pvt Ltd	Networks Engineer	Any B.Tech/B.E	Fresher	1.2 Lakh to 3 Lakh per annum
	Solar Technicians	Any B.Tech/B.E	Fresher	1.2 Lakh to 3 Lakh per annum
	HVAC Engineer	Any B.Tech/B.E	Fresher	1.2 Lakh to 3 Lakh per annum
	Digital Marketing Professionals	Any B.Tech/ B.E/Any Graduate	Fresher	1.2 Lakh to 2.3 Lakh per annum
21 Technobuddy	Desktop Engineers	B.E / M.Tech/ B.Tech/ MCA/ BCA/ BSc/ Computer Science	1.5-3 Years	1.8 lpa to 2.3 Lakh per annum
	Sales Promoters	SSC/Intermediate	0-1 Years	7800 + Incentives
	Data Entry	Intermediate/Any Graduate	0-1 Years	Rs. 7,500
	Telecaller	Intermediate/Any Graduate	0-1 Years	Rs. 9,500
	Equity Advisors	MBA	0-1 Years	Rs. 15,000
	Delivery Boss	SSC/Intermediate	0-1 Years	Rs. 10,000
22 Karvy Group	Associate Java Developer	65% in B.Tech/SSC or IT streams only	Fresher	Rs.1,44,30/ Annum
	Associate Java Developer	65% in B.Tech/SSC or IT streams only	Fresher	Rs.1,44,30/ Annum
23 Indus Business Systems Limited	Associate Java Developer	65% in B.Tech/SSC or IT streams only	Fresher	Rs.1,44,30/ Annum

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EAMCET Code: NAWB / PCEET Code: NAWB1 / POLYCET Code: NAWB



# MEGA JOB FAIR

This Mega Event Offering  
1500+ Job Vacancies.

25+ RENOWNED COMPANIES WITH MULTIPLE VACANCIES

Job Opportunities For:

Diploma/ BCom/ BSc/ BE/ BTech/ BArch/ BBA/ BCA/ BPharm/ MPharm/ MCom/ MSc/ MCA/ MTech/ MBA  
Candidates of 2014/ 2015/ 2016/ 2017/ 2018 batches.

All students, Engineers & Graduates have excellent chance to get good position. Utilise this golden Opportunity.

Bring your updated CVs (10 copy), 10 Passport Size Photographs, Xerox Copy of all Testimonials, College ID-Proof, Govt. ID Proof any of these (Voter-ID, Aadhar Card, Driving License, PAN Card).

REPORTING TIME: 9.00AM SHARP DATE: 16 FEB 2018

Venue: Nawab Shah Alam Khan College of Engineering and Technology, 16-4-1, New Malakpet, Near Railway Station, Hyderabad, Telangana 500024

Website: <http://www.nsakcet.ac.in/Mega-Job-Fair.aspx>  
Contact No.: 9885360757, 7207865243, 9490015758, 9505504955

# INDUSTRIAL VISIT TO NFC

Department of Mechanical Engineering students of Nawab Shah Alam Khan College of Engineering and Technology (Total-52) along with 6 faculties, have visited **Nuclear Fuel Complex** is located at NFC Rd, ECIL, Moula Ali Hyderabad in Telangana on 25th February 2018. **Nuclear Fuel Complex (NFC)** was established in 1971 as a major Industrial unit of India's Department of Atomic Energy,



In Front of NFC Entrance Gate

as a nuclear plant also specializing in supply of nuclear fuel bindles and reactors core components. It is a unique facility where natural and enriched uranium fuel, zirconium, alloy cladding and reactor core components are manufactured under one roof.

Students have absorbed the following things in KTPS.



Media coverage of mechanical department from Nsakcet...




Media Coverage of Mechanical Engineering Article of Visited Industrial tour to nuclear Fuel Complex (NFC) from Nawab Shah Alam Khan College of Engineering and Technology.



A **Technical Expo** of **Engineering students** for all branch. We have Organised 130plus(+) models in the **TECHNO VISION 2k18**.

There are various event, quiz, fun games, foods stall & etc are also available in the fest. All are invited to the techno vision 2k18 at Nawab Shah Alam Khan College of Engineering and Technology. Malakpet, Hyderabad on 28-02-2018.

The Models were Display at 9am to all by Our **Chief Gest Dr. A. Goverdhan – Rector JNTUH**

 **Nawab Shah Alam Khan College Of Engineering & Technology**  
 June 6, 2018 · 🌐

Techno-Vision @ NSAKCET Hyderabad...

Admissions in progress for the academic year 2018-19

Courses offered

- B.Tech in Civil, Mechanical, CSE, IT, ECE & EEE....
- Polytechnic(Dipoma) in Civil, Mechanical, ECE & EEE....
- M.Tech in HVAC, Structures, Embedded System & Computer Science....



The purpose of an ISHRAE student chapter is to get more students interested, concerned, and involved in pursuing a career in the field of heating, ventilating, air conditioning and refrigeration. ISHRAE student chapter activities are administered by students as elected officers which provide students with an experience that simulates running a business or an organization. As a student officer, you'll "set yourself apart from the pack" and increase your visibility to recruiters. By networking with your local ISHRAE Chapter, you will have an opportunity to meet practicing engineers in the HVAC industry. Student officers are counseled by the college Faculty Advisor but may also be mentored by members of their local ISHRAE



CWC Student chair. Even if your career is ultimately in another industry, your involvement with the ISHRAE Student Chapter will be an invaluable transferable experience. You may also choose to get involved in one of the students activities such as ACREX Quiz, National Student Design Competition, Technical Paper Presentation etc, which will be one of the most memorable experiences of your life. In addition to having fun and meeting great friends, these competitions provide an exceptional engineering experience and allow you to apply your course work in a real world application.





**Name of Proposed Student Chapter:**

Nawab Shah Alam Khan College of Engineering & Technology, Hyd

**Name of Sponsoring Chapter:**

ISHRAE Deccan Chapter, Hyderabad

**Name of Faculty Advisor:**

Mr. Raza Ahmed Khan, Associate Professor

**Proposed Date of Chapter Installation:**

29-April-2017

**Names of Proposed Office Bearers of the Student-Chapter:**

**Total Number of Initial Membership: (List Enclosed)**

S.No	Designation	Name of Member
1	President	Mohammed Waliuddin
2	President Elect	Mohammed Abdullah Masood
3	Secretary	Md Khader Mohiuddin
4	Treasurer	Mohammed Abdul Rafay
5	CWC Member	Mohd Waseem
6	CWC Member	Abdul Khalid

**Proposed Initial Activities:**

Activity	Proposed Date
CWC Installation	29.04.2017
CWC Meeting	29.04.2017
Technical Lectures	29.04.2017

We have reviewed the bylaws of our sponsoring Chapter / Society, and, the Chapter Operations Manual, and agree to conform to all requirements therein stated. We are confident that the proposed Student Chapter will be a vibrant and enthusiastic part of the ISHRAE Fraternity and will go a long way in furthering the cause of ISHRAE in the Region. We request you to grant us your approval for formation of the Student Chapter as proposed above. We would also request you to send us the Charter Certificate for the proposed Student Chapter

## ISHRAE کے پانچویں اسٹوڈنٹ چیپٹر کا نواب شاہ عالم خاں انجینئرنگ کالج میں افتتاح

حیدرآباد - 2 مئی: (راست): نواب شاہ عالم خاں انجینئرنگ کالج میں ISHRAE (انڈین سوسائٹی آف ہیٹنگ، ریفریجریٹیشن، ایر کنڈیشننگ انجینئرز) کے پانچویں اسٹوڈنٹس چیپٹر کا افتتاح بدست پی اے پربھو، صدر اشرے دکن چیپٹر عمل میں آیا۔ اسٹوڈنٹس چیپٹر کے منتخب عہدیداران صدر، نائب صدر، سکریٹری، ممبران و رکننگ ممبرس کو عہدے کا حلف دلا گیا۔ آر کے



سندھ، مہمان خصوصی نے حاضرین سے خطاب کیا۔ ممتاز ٹریژسٹری چکر دھر، جنہوں نے زائد از پندرہ ہزار طلباء کو HVAC کی پرائیکٹیل تربیت فراہم کی، انہوں نے خطاب کیا اور طلباء کو مفید مشورے دیئے۔ انہوں نے اندرون ملک موجودہ مواقع سے استفادہ کرنے والوں کو رو دیا۔ اس سے قبل صنعت کار مسٹر راجندر راجو نے کلیدی خطبہ Thermal insulation کے موضوع پر دیا۔ سینئر فیکلٹی پروفیسر نضر اللہ، پروفیسر وسنت کمار اور پروفیسر محمد اسحاق نے مہمانوں کو گلہ سے پیش کیے۔ اسٹوڈنٹ ایڈوائزر پرنسپل پالی ٹیکنیک کالج پروفیسر رضا احمد خاں کی دیرینہ شخصی کاوش و جستجو سے ISHRAE کے اس چیپٹر کا کالج میں قیام ممکن ہو سکا۔۔

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### Mechanical Engineering Department



**Technical Talk On: Thermal Insulation**

**By: Mr. Ramchandraraju**

**Chief Guest: Mr. P.A. Prabhu, IDC President**

**Guest of Honour: Mr. P.R.K. Sundar, Chair-Student Activities, IDC**

**Organized by: ISHRAE Students Chapter @ NSAKCET**

Indian Society of Heating, Refrigerating & Air-Conditioning Engineers (ISHRAE) Deccan Chapter (IDC)

**On: 29-April-2017**



**7th days Training for Task Mahendra Pride Programme with  
Collaboration with Mahindra & Mahindra**





Successful Completion Task Training Programme from 17<sup>th</sup> December 2018 to 24<sup>th</sup> December 2018 in Nawab Shah Alam Khan College of Engineering and Technology This program includes Training & Workshop on Interview Preparation Life Skill

Retail Skills Job Orientation Training . It was a Wonderful Training, after completing this training students will have Chance of doing job in Mahendra & Mahendra Company and in other Companies.

