



Turbomachinery Institute of Technology and Sciences

(Approved by AICTE, Affiliated to JNTU, Hyderabad)

Institute with Industrial Excellence



A Profile **»»**

OUR MOTTO: *“Knowledge with Experience”*

OUR QUALITY POLICY

We, at **Turbomachinery Institute of Technology & Sciences**, are committed to impart Quality Education and skill to develop the young minds of Engineering, Technology & Management as an industry ready products and as responsible citizens.



OUR VISION

- ◆ To provide consistent quality education and training to the students in the fields of Engineering and Technology and Management Studies as per Global Standards
- ◆ To provide highly motivated Professional Engineers instead of Raw Graduate Engineers by imparting value based Technical Education .
- ◆ To synergies the efforts of various faculty & students, inspire their creativity and foster excellence and innovation in teaching and learning processes so as to realize our vision as a premier Institution.



OUR MISSION

- ◆ Committed to inculcate excellence through faculties who have real time experience and strong ties with industries.
- ◆ Produce graduates of international distinction, committed to Integrity, Professionalism with Ethics and life long Learning by widening their knowledge horizon in range and depth.

OUR GOALS

- ◆ To transform an under graduate student to become a true Professional with higher level of knowledge, skill sets and ethics and be successful in life.
- ◆ To interact and establish a cordial relationship with Industries for 100% placement.
- ◆ To organize the various Faculty development programs / Workshops / Seminars / National & International Conferences periodically & regularly publish /Articles Books & Research papers.
- ◆ To develop all the departments with state of art facility and make the institute as nodal research center.





Sri. T. Subbarayudu, B.Tech, MBA
Chairman
Turbomachinery Group of Industries

Message from Founder Chairman

The Globalization of market has brought in rapid changes in terms of economic competition and technical advancement. This has tremendous impact on higher education. In keeping pace with this transformation, we at Turbomachinery Institute of Technology and Sciences, provide the right ambience to attain Excellence in Engineering and Management Studies, through appropriate infrastructural facilities, qualified, inspiring and dedicated faculty, well established library, modern laboratories, teaching learning process and working systems.

We mould our students not only to excel in academics but also in Co-curricular and Extra-curricular activities. Our students are bright and industrious and have been consistently securing very good marks at university level. Personality Development and Training in real time Projects through institution-industry-interaction, help our students to emerge as brilliant Technocrats and successful professionals.

It gives me immense pleasure to present our students for "Placements". I invite you to visit us and discover the wealth of 'Talents and Brilliance' at our college. I am confident that our young 'Aspirants' with their Knowledge, Skill sets and Attitude will meet and even surpass the expectations of the industries.

Our motto is Knowledge with experience and transform our society through Quality Education. We look forward to your continuing partnership and patronage.

With warm regards

T. Subbarayudu



PROFILE OF THE MANAGEMENT

- ◆ **Turbomachinery Engineering Industries Ltd., Hyderabad, AP, India.:** an ISO 9001-2008 accredited company, is a unique in the country as SINGLE SOURCE for total Power Plant Services in the areas of Renovation and Modernization, EPC Contracts, Re-Engineering and Relocation of Power Plants for more than two decades both in India and abroad for Steam Turbines, Gas Turbines, Compressors, Pumps and Generators with latest State-of-Art Technologies.
- ◆ **Center of Engineering Excellence (CEE), Hyderabad, AP, India :** Developing innovative technologies, new products, process controls, supported by In-house R&D center approved by Ministry of Science & Technology, Govt. of India.
- ◆ **Suchan Infotech Ltd, Hyderabad, AP, India :** Development of new software packages for power plant operations, GIS system and other embedded technologies for different process Industries.
- ◆ **Suchand Powergen Pvt. Ltd, Nandyal, AP, India :** Developing O&M Engineers to operate power plants at optimum efficiencies, by providing hands on training and experience in our inhouse Power Plant



Turbomachinery Engineering Industries, Hyderabad



Best Performance Ward

- ◆ **Chincholi Sugar & Bio Industries Ltd., Gulbarga, Karnataka, India:** an fully integrated bio-industrial complex having 30 MW Green Power ** 65000 LPD Ethanol Plant ** 5000 TCD Sugar Plant
- ◆ **Turbomachinery Infra Projects (P) Ltd, AP, India**
- ◆ **Turbomachinery Engineering Industries Ltd., Raipur, Chattisgarh, India**
- ◆ **Turbomachinery Middle East (FZC), Sharjah, UAE**
- ◆ Turbomachinery Engineering Industries have the clients in the above areas in India as well as in the overseas Countries like Kingdom of Saudi Arabia, Kuwait, Bahrain, Oman, UAE, Algeria, Nigeria, Zimbabwe, Kenya, Uganda, Bangladesh, Thailand, Malaysia and Nepal etc.

Some of the research papers presented in the International seminars are:

- ◆ Rejuvenation of old turbomachines by condition assessment and residual Life evaluation.
- ◆ New trends in Repair and Reconditioning of Turbine rotors.
- ◆ Design and Constructional features of Steam Turbines.
- ◆ A new look into bearing failures.

Awards received are :

- ◆ National Award for Outstanding Performance from the President of India
- ◆ Best Technological Development Award in R & D from the Government of Andhra Pradesh
- ◆ Bharat Ratna Dr. M. Visvesvaraya Award for “Best Import Substitution”.
- † Best performance Award from the Chief Minister of Andhra Pradesh.



PROFILE OF THE INSTITUTE

- ◆ **Turbomachinery Institute of Technology & Sciences (TITS)** was established under the aegis of **Turbomachinery Educational Society**, Hyderabad, for promoting higher education in Engineering & Technology by **Sri. T.Subbarayudu** an Industrialist.
- ◆ The **Society is supported by Turbomachinery Group of Industries**, Hyderabad having excellent presence and **expertise in different sectors like Engineering, Power, IT, Agriculture and Process Industries.**
- ◆ **TITS** was started in the academic year 2008-2009, affiliated to JNTU Hyderabad, approved by AICTE, New Delhi and Government of Andhra Pradesh, with the aim of imparting higher knowledge in Science and Technology to the aspiring students, so that they can emerge as competent Scientists, Engineers and Technologists of repute.
- ◆ Pursuing the philosophy of continuous learning, the institution prepares the students to score creditably in the academic sessions and also encourages them to develop skills and attitudes, to approach life with confidence.



Legal Literacy Camp

✦ The working environment is such, students as well as faculty, are inspired and supported to attain high standards of education and skill sets and shine in their chosen path. Faculty, with their impressive Academic, Research and Industrial experience, lead the students to achieve “**Knowledge with Experience**”.

- ◆ TITS is located at Indresham (V), Patancheru (M), 10 KM from BHEL, Hyderabad, and 3.5 KM from Hyderabad Bombay National Highway (NH-9). It is located in amidst lush green and serene environment suitable for growth, health, knowledge and prosperity, away from hustle and bustle of the city in 10 acres of land.
- ◆ TITS functioning in a multistoried building having a total built up area of 18000 Sq.m. It has four block which are interconnected through Central Block and is named as

Mechanical Engineering	- Sir Mokshagundam Visweswarayya Block
Electrical & Communication Engg.	- Dr. Vikram Sarabhai Block
Computer Science Engineering	- Srinivavasa Ramanujan Block
Electrical & Electronics Engineering	- Thomas Alwa Edison Block

The Central Block has a built up area of 1000 Sq.m per floor, it accommodates

- Basic Workshop / Indoor Games / Hobby Centre in Basement.
- Admin Office, Principal, Director, Exam Cell & Reception Halls in Ground Floor.
- Mini Auditorium, Board Rooms & Chairman Office in the 1st Floor.
- Library (Ref. Section / Text Book Section / Digital Library / Journal Section / Reading Room) in 2nd Floor.
- PG Studies Lecture Halls / Mini - Audio Visual Halls in 3rd Floor.
- In addition college has an exclusive 3 storied building for Canteen with a built up area of 1440 sq.m
- Well equipped Conference Hall - 2 Nos (250 students per hall.)
- Drawing Hall - 2 Nos (150 students per hall)
- Mini Conference Hall - 2 Nos. (120 students per hall)





Inauguration of Professional Association

COURSES OFFERED

UNDER GRADUATE PROGRAMME: B.Tech

S.No.	Course	No.of Seats	Year of Start
1	Computer Science & Engineering - CSE	60	2008
2	Electrical & Electronics Engineering - EEE	60	2008
3	Electronics & Commun. Engineering - ECE	60	2008
4	Mechanical Engineering - ME	90	2008
5	Civil Engineering - CE	60	2011

POST GRADUATE PROGRAMME:

S.No.	Course	No.of Seats	Year of Start
1	Master of Business Administration - MBA	60	2008
2	Master of Computer Applications - MCA	60	2008
3	VLSI Design & Embedded Systems - M.Tech	18	2011

OUR STRENGTH

- ◆ JNTUH classified as Category - I College for the past 2 academic years 2009-10 & 2010-11
- ◆ Institute promoted by Industry.
- ◆ All faculties are PG qualified and experienced.
- ◆ Faculties are Ratified by Faculty Eligibility Test (FET) conducted by JNTU, Hyderabad.
- ◆ 20 Faculties are pursuing research activity (M.Phil / Ph.D) in various Universities
- ◆ Dedicated Training and Placement Cell to ensure Campus Recruitment.
- ◆ Softskill Training Programme from 2nd year onwards.
- ◆ Special / Extensive coaching for Improving Employability
- ◆ Real time practice for Planning, Implementation, Team Spirit, Coordination, Time & Money Management and Execution of Task through various activities like Symposiums / Workshops / Conferences etc.
- ◆ Equal preference will be given for Co-curricular & Extra-curricular activities.
- ◆ Continuous Improvement with the Academic performance of the students.
- ◆ Regular Industry - Institute Interaction for all the students.



Rapidipista - Technical Symposium



INSTITUTION IS KNOWN FOR

- ◆ Effective and Interactive Teaching Methodology.
- ◆ Excellent Infrastructure, State-of-Art Laboratories, Library and Information Center
- ◆ Highly Competent, Dynamic and Dedicated Teaching Faculty..
- ◆ Programmes to improve Communication skills.
- ◆ Inculcate Leadership Qualities and Team Spirit.
- ◆ Scholarship / Cash Award for Toppers / Achievers by the Trust.
- ◆ Guest Lectures / Seminars by Eminent personalities.
- ◆ Regular Industrial Visits / Tour and Inplant Training to bridge the gap between Industry & Institute.
- ◆ Active involvement in Professional Association, Literary and Science Association Activity .

PROFESSIONAL ASSOCIATIONS

- ◆ Indian Society of Technical Education - ISTE
- ◆ Institute of Electrical & Electronics Engineering (USA) - IEEE
- ◆ Institute of Electronics & Telecommunications Engineering - IETE
- ◆ Computer Society of India - CSI
- ◆ Indian Society of Mechanical Engineers - ISME



Employability Skills - A Seminar



Merit Scholarship for Toppers

MERIT SCHOLARSHIPS

Sl.No.	Description	No.of Ranks	Awards
1	The Students who secures 90% and above in Aggregate - Overall College Topper	1	Rs.15000/-
2	The Students who secures 85% and above in Aggregate 2 nd Rank	1	Rs.10000/-
3	The Students who secures 80% and above in Aggregate 3 rd Rank	1	Rs. 7500/-
4	The Students who Secures the Highest marks in the Academic Year (Class topper /Branch Wise)	1	Rs. 5000/-
5	Subject Topper (Securing 100% Marks)	-	Rs. 1500/-
6	University Rank (Gold Medal)	1	Rs. 1 Lakh
7	University Rank (1 st Rank)	1	Rs. 25,000/-
8	100% Attendance in an academic Year	-	Rs. 5000/-
9	Sports / Cultural / Paper Presentation / Project Contest Receiving Prizes.	-	Rs. 1000/-

ADVISORY BOARD**Dr.M.Chandra Sekhar, Ph.D**

Director (Academic)
Jawahar Knowledge Center, Hyderabad Govt. of AP

Dr.D.Raghunath Reddy, Ph.D

Professor in Management Studies
Chairman, Board of Studies
Jawaharlal Nehru Technological University, Hyderabad

Dr. K.Raj Gopal, Ph.D

Former Vice Chancellor
Jawaharlal Nehru Technological University, Hyderabad

Mr.V.V.Ramana Rao, MBA

Managing Director
Vitalsoft Artifacts Pvt. Ltd.

Mr. M. Jayaram

Managing Director,
Kasmal Group. Nigeria

Mr. Vasudeva Rao, M.Tech

Former Executive Director
Bharat Heavy Electricals Ltd., Hyderabad

Mr. V.S.R.K. Prasad, M.Tech

Senior Vice President
Turbomachinery Group of Industries, Hyderabad

Prof. Ramamurthi Rallapalli, Ph.D

Former Vice Chancellor,
S.V. University, Tirupathi

Dr. A.Sasi Kumar, Ph.D

Scientist - F
Head Engg. Service Division
Indian Institute of Chemical Technology, Hyderabad

GOVERNING BODY MEMBERS**Sri. T. Subbarayudu B.E, MBA**

Turbomachinery Engineering Industries Ltd., &
Turbomachinery Educational Society, Hyderabad

Chairman**Sri. T.Madhu, MBA**

Vice-Chairman, Turbomachinery Educational Society, Hyderabad

Member**Sri. D.B. Suresh Babu, M.Tech**

Secretary, Turbomachinery Educational Society, Hyderabad

Member**Sri.T.Chandrakanth, B.E.**

Executive Director
Turbomachinery Engineering Industries Ltd., Hyderabad

Member**Dr. M. Srinivasa Rao, Ph.D**

Professor , Dept. of Mechanical Engg, JNTU, Hyderabad

University Nominee**Dr. M.L. Sai Kumar, Ph.D.**

Professor & Head , Dept of IT
Institute of Public Enterprises, Hyderabad

Member**Dr. Raghavendra Rao Chillaige, Ph.D**

Professor / Dept of CIS
University of Hyderabad , Hyderabad

Member**Mrs.Sandhya V.Kode M.Tech.**

Director, Training & Development
International Institute of Information Technology, Hyderabad

Member**Sri.P.Sasamka Babu, M.Tech**

Former Executive Director, BHEL, Hyderabad
Director, Turbomachinery Engg. Industries, Hyderabad

Member**Dr.S.Samba Murthy, MS**

Rtd. ENT Surgeon, BHEL, Hyderabad

Member**Dr.K.Ranganatha Babu Ph.D**

Former Registrar, SV University, Tirupathi
Former Executive Council Member, JNTU
Director, Turbomachinery Institute Technology & Sciences, Hyderabad

Member**Dr.K.S. Srinivasan Ph.D**

Principal,
Turbomachinery Institute Technology & Sciences, Hyderabad

Member Secretary

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

- ◆ The Electrical and Electronics Engineering (EEE) is the place to be in, for those who love working with Electrical Systems - ranging from Power Generators to the various Electrical gadgets. EEE is the one of the main branch of Engineering, regarded as lifeline of an industry and every human life.
- ◆ TITS started, the Department of EEE in the year 2008-09 and is located in 3 floors of Thomas Alwa Edison Block Block to accommodate Class Rooms, various Laboratories, Seminar Halls, Tutorial Rooms and Faculty Rooms etc.

The department is equipped with state-of-art facility in all it's laboratories:

- ◆ DC Machines lab
- ◆ AC Machines lab
- ◆ Power Electronics lab
- ◆ Measurements and Instrumentation lab
- ◆ Simulation lab
- ◆ Control Systems lab
- ◆ Electrical Work Shop



DC Machines Lab



AC Machines Lab

The major facilities available in labs are as follows:

- ◆ All types of Electrical Machines
- ◆ Programmable Logic Controller
- ◆ Power Converters
- ◆ 3 phase Inverters
- ◆ AC / DC Servo Motors
- ◆ Pressure Guage using Dead weight Tester
- ◆ Strain & Pressure Measurement and Calibration
- ◆ Temperature Measurement and Calibration
- ◆ 30 PCs with software like Mat lab / Spice / Electrical CAD etc.

The Core subjects taught as per JNTU-H curriculum are as follows:

- ◆ Electrical Machines
- ◆ Power System Analysis
- ◆ Power System Operation & Control
- ◆ Control System
- ◆ Linear and Digital Integrated Circuit
- ◆ Power Electronics
- ◆ Reliability Engineering
- ◆ Transmission & Distribution
- ◆ Switchgear & Protection
- ◆ Electric Circuit Analysis
- ◆ Electronic Devices and Circuits
- ◆ Microprocessor and Application etc.
- ◆ Measurements & Instrumentation
- ◆ FACTS
- ◆ HVDC
- ◆ Non Conventional Energy Resources
- ◆ Industrial Driver
- ◆ Computer Methods in Power System



Control System Lab

Faculty Details

S.No.	Name of the Faculty	Qualification	Designation	Specialization
1	Dr.Seshadhri	Ph.D	Professor	Control Systems
2	Mr.M.Sree Rama	M.Tech	Asso.Professor	Power Systems
3	Mrs.B.Sujatha	M.Tech	Asso.Professor	Power Electronics
4	Mr. J.Sreedhar	M.Tech	Asso.Professor	Power Electronics
5	Mr.K.Ramesh Kumar	M.Tech	Asst.Professor	Power Systems
6	Mrs. P.Praveena	M.Tech	Asst.Professor	Power Electronics
7	Mr.Muthyam Reddy	M.Tech	Asst.Professor	Power Systems
8	Mr.P.Prashanth Kumar Reddy	(M.Tech)	Asst.Professor	Electrical Power Engg
9	Ms.Y. Archana	(M.Tech)	Asst.Professor	Control Systems
10	Mrs.Chinnammayee	(M.Tech)	Asst.Professor	Power Electronics

- ◆ The Department of EEE prepares students in it's field using new-age information and Computer Intensive Technologies. This branch has a good number of qualified and experienced faculties and labs with well equipped with modern and advanced equipment.
- ◆ Student graduating from this department will have the ability to build, motivate and project teams effectively and is also competent to solve complex technical problems and organizational issues.
- ◆ IEEE student chapter activities started from the academic year 2010-2011.
- ◆ The department organizes a State Level Technical Symposium '**POWERGENS**' every year.
- ◆ In collaboration with Turbomachinery Group of Industries, the department of EEE has the strength to support research activities in the fields of Electrical Power Engineering and Power Electronics and Industrial Drives.
- ◆ The department also has plan to set up Calibration Center for Consultancy Works.



Power Electronics Lab

DEPARTMENT OF MECHANICAL ENGINEERING

- ◆ The Department of Mechanical Engineering was established in the year 2008-2009 with an initial intake of 60, subsequently, the intake was increased to 90 in the academic year 2009-2010 and is likely to increase to 180 from the academic year 2012-2013.
- ◆ The department is located in Visweswarayya Block in 4 floors, to accommodate various laboratories, Class Rooms, Seminar Halls, Drawing Halls and Tutorial Rooms. The department is geared up with latest equipment in all labs as per Industry standard and is ready to accommodate Post Graduate courses in the field of Thermal Engineering and CAD/CAM.

The Laboratories associated in the department are as follows:

- ◆ Mechanics of Solids Lab,
- ◆ Heat and Mass Transfer Lab
- ◆ Metallurgy, Metrology and Material Science Lab
- ◆ Fluid Mechanics and Hydraulic Machinery Lab
- ◆ Machine Tools / Production Technology Lab
- ◆ CAD / CAM Lab
- ◆ Thermal Engineering Lab
- ◆ Engineering Workshop



MMS & MOS Lab



FM & HM Lab

The major equipments in the labs are as follows:

- ◆ Universal Testing Machine
- ◆ Drilling Machine
- ◆ Lathe Machine
- ◆ Torsion Testing Machine
- ◆ Single / Multi Cylinder Engines
- ◆ Scanning Electron Microscope
- ◆ 30 PCs with licensed software like **Auto CAD, Pro-E and ANSYS**
- ◆ All types of Welding / Metal Casting Machines
- ◆ Centrifugal and Reciprocating Pumps
- ◆ Impact Testing Machine
- ◆ Shaping machine
- ◆ Milling Machine
- ◆ Pelton Wheel Turbine
- ◆ Multi stage Air Compressor

The core subjects taught as per JNTU- H syllabus are as follows:

- ◆ Engineering Mechanics
- ◆ CAD / CAM
- ◆ Dynamics of Machinery
- ◆ Production Technology
- ◆ Machine Tools
- ◆ Automobile Engg.
- ◆ Refrigeration & Air Conditioner
- ◆ Fluid Machines & Hydraulic Machinery
- ◆ Kinematics of Machines
- ◆ Mechanics of Solids
- ◆ Thermal Engineering
- ◆ Finite Element Methods
- ◆ Design of Machine Members
- ◆ Heat Transfer
- ◆ Power Plant Engg.



Thermal Lab

Faculty Details

S.No.	Name of the Faculty	Qualification	Designation	Specialization
1	Dr. K.R.Babu	Ph.D	Professor	Thermal Engg.
2	Mr.S. Madhu	(Ph.D)	Asso.Professor	Machine Design
3	Mrs. K.Praveena	(Ph.D)	Asso.Professor	Thermal Engg.
4	Mr. Mahantesh	(P.hD)	Asso.Professor	Thermal Engg.
5	Mr. N.S.Rajneesh	M.Tech	Asst.Professor	Energy Technology
6	Mr. N.Srinivasa Raju	M.Tech	Asst.Professor	Production
7	Mrs. M.Manasa	M.Tech	Asst.Professor	Energy Systems
8	Mr.K.Sivarama Krishna Rao	M.Tech	Asst.Professor	Metallurgy
9	Ms. P.Pavani	M.Tech	Asst.Professor	Adv. Manf.System
10	Mr. B.Naresh	(Ph.D)	Asst.Professor	CAD / CAM
11	Mr. G.Satyanarayana	(M.Tech)	Asst.Professor	
12	Ms. G.Naga Keerthi	(M.Tech)	Asst.Professor	

- ◆ The Department of Mechanical Engineering prepares the students, apart from imparting theoretical knowledge and Laboratory Practice, Industrial training in our own industries. Provides a vital role for improving the technical concepts of the students.
- ◆ In addition to meet the Industrial requirement and to provide a first hand knowledge of the hanging scenario in the mechanical field, the department trains its students with latest hardware and software.
- ◆ The students are enrolled under professional associations ISME and MEA to expose themselves to various skill sets and prepare as an Industry ready products.
- ◆ “RAPIDOPISTA” a Technical State Level Symposium organized every year to create awareness among the students regarding the latest trends and developments in Mechanical Engineering.
- ◆ The Department has strength to support research and consultancy in the field of Thermal Engg. and CAD/CAM.



Machine Tools Lab

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

- ◆ Electronics and Communication Engineering occupies a unique position in the area of technology and human life .Department of ECE of our college takes a special care to train and acquaint the students with latest developments.
- ◆ Department of ECE was started in the year 2008-09, and is located in Dr.Vikram Sarabhai Block it offers the following programmes
 - ◆ UG :B.Tech - Electronics and Communication Engineering 60 Seats
 - ◆ PG : MTech - VLSI and Embedded Systems 18 Seats
- ◆ Creativity has been the Prime intention of Engineers and the Department of ECE of this College is making an all out effort in this regard. This department has not only the practical competence but is also facilitated with all the modern equipments.

The Department of ECE has the following Laboratories:

- ◆ Electronics Devices & Circuits lab
- ◆ Digital Signal Processing lab
- ◆ Linear and Digital Integrated Circuit lab
- ◆ ECAD / VLSI Design lab
- ◆ Analog & Digital Communication lab
- ◆ Microprocessor & Embedded Systems lab



Electronics Lab



Microprocessor / Embedded System Lab

Some of the major equipments available are as follows :

- ◆ DSP TMS 320 C 5 x /C6x/C2x Trainer Kits
- ◆ Altium FPGA SP 3000 Universal Trainer Boards
- ◆ DC / Optical Communication Trainer Kit
- ◆ Spectrum Analyzer / DSO
- ◆ Microprocessor / Micro Controllers Trainers
- ◆ Microwave Test branches etc
- ◆ Analog / Digital Universal Trainer Boards
- ◆ 30 PCs with licenced Software like Mat lab / Altium / Code Composer Studio / KEIL / Spice / Xilinx etc.

The major core subjects under JNTU are as follows:

- ◆ Electronic Devices and Circuits
- ◆ Linear and Digital Integrated Circuits
- ◆ Analog and Digital Communication
- ◆ Microwave and Optical Communication
- ◆ Computer Networks
- ◆ Satellite Communication
- ◆ Microprocessor and Embedded System
- ◆ Digital Signal and Image Processing
- ◆ VLSI Design
- ◆ Cellular Mobile Communication etc.
- ◆ Oops
- ◆ Network Security





ECAD / VLSI Design Lab

Faculty Details:

S.No.	Name of the Faculty	Qualification	Designation	Specialization
1	Dr. K.S.Srinivasan	Ph.D	Professor	VLSI Signal Processing
2	Mr. P.Siva Rama Prasad	M.Tech	Asso.Professor	VLSI Design
3	Mrs. M. Sreevidya	M.Tech	Asst.Professor	Commun. & Signal Proc.
4	Mrs. K.Subhashini	M.Tech	Asst.Professor	Embedded Systems
5	Mrs. P. Saritha	M.Tech	Asst.Professor	Digital Communication
6	Mr.J. Sunil Kumar	M.Tech	Asst.Professor	Systems & Signal Procg
7	Mr.B. Ramu	M.Tech	Asst.Professor	VLSI System Design
8	Mr.C.Sathish Kumar	M.Tech	Asst.Professor	Embedded System
9	Mr.B.Sudheer	M.Tech	Asst.Professor	RF & Microwave Engg.
10	Mr. Uppender	(M.Tech)	Asst.Professor	Electronics & Commn.

- ◆ The Department of ECE trains students with right conceptual foundation, Practical & analytical Skills and application abilities to attain and maintain them as competent engineers of repute.
- ◆ ECE students forum - “Institution of Electronics and Telecommunication Engineers (IETE)” was started in the academic year 2010-11.
- ◆ Department of ECE organizes an Annual activity of State Level Technical Symposium “Electrofugeo” to cater the needs and demands in the fast growing technology.
- ◆ The Department has the facility to provide research & consultancy in the following fields:
 - ◆ Digital Signal and Image Processing
 - ◆ VLSI Design and Embedded Systems
- ◆ At present 8 students pursuing the research in various universities under the guidance of Dr.K.S. Srinivasan.



Communication Lab

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

- ◆ The Department of Computer Science & Engineering was established in 2008-09, and is located in 3 floors of Srinivasa Ramanujan Block to accommodate Class Rooms, Laboratories, Seminal Hall, Tutorial Room etc .
- ◆ The growth of department is taking strides in strength and in facilities year after year, working full fledged and is geared up with latest equipment in tune, adopting latest trends in teaching.
- ◆ Realizing the importance of rapid advancement in the IT sector, all the labs are highly furnished with network structure and are updated and upgraded as per the requirements and demands of Industries.

The Department is well equipped with all major facilities in it's laboratories:

- ◆ C &Data Structure lab
- ◆ IT workshop
- ◆ Oracle/DBMS lab
- ◆ Internet Center
- ◆ Web Technology lab
- ◆ Network Programming lab

The major facilities available in labs:

- ◆ Computing facility : 400 PC's with latest configuration (In total)
- ◆ OS : Linux / Open Office / Windows
- ◆ Application Software : Oracle / Open Office / Rational Rose / Scilab
- ◆ 20 MPS Internet Connectivity in Process



Oracle / DBMS Lab



IT Work Shop

The following subjects are taught as per JNTU-H Curriculam

- ◆ C / C ++ / Java
- ◆ Networks & Information Security
- ◆ Computer Organization
- ◆ DBMS
- ◆ Formal Languages & Automatic Theory
- ◆ Data Comm.& Computer Network
- ◆ Compiler Design
- ◆ Operating System
- ◆ Design of Analysis and Algorithms
- ◆ Software Engineering & Testing
- ◆ Mobile Computing
- ◆ DSP / VLSI

The department is also providing value added programme in the following areas:

- ◆ Certificate in Information Technology Programme (CIT) in collaborating with IIIT-H
- ◆ C, C++, Core Java Training
- ◆ Computer Networks certification Programme (CCNA) is in process

Department has strength to support research activities in the following areas:

- ◆ Digital Image Processing
- ◆ Data mining & Warehousing
- ◆ Networking





Soft Skills Lab

Faculty Details :

S.No.	Name of the Faculty	Qualification	Designation	Specialization
1	Dr. A.Sivabalan	Ph.D	Professor	Wireless Networks
2	Mr.Y.Madhusudhan Reddy	(Ph.D)	Asso.Professor	Computer Science Engg
3	Mrs. Vidha Sharma	(Ph.D)	Asso.Professor	Computer Science Engg
4	Mr. B.Aswini Kumar	M.Tech	Asst.Professor	Data Ware Housing
5	Mr. B.Balakrishna	M.Tech	Asst.Professor	Data Mining
6	Mrs. T.Swapna	M.Tech	Asst.Professor	Computer Science Engg
7	Mr.N.B.Rangesh	M.Tech	Asst.Professor	Network & Infn Security
8	Mrs. AVR. Laksha	M.Tech	Asst.Professor	Computer Science Engg
9	Mrs.U.Sangeetha	M.Tech	Asst.Professor	Digital Sys. & Comp. Elct.
10	Mr. CH.Sree Rama Murthy	M.Tech	Asst.Professor	Computer Science Engg
11	Mr. B.Ashok Kumar	MCA	Asst.Professor	Computer Science Engg

- ◆ Computer and Internet are playing a dominant role in the Information and Communication World. The industrial scene has been witnessing drastic changes on a far wider scale.
- ◆ Keeping this in mind, the department of CSE expose the students to newer environment including Web Design, Internet applications and Design, besides the traditional opportunities in IT sector.
- ◆ The Department regularly organizes Workshops , Seminars and Guest Lectures by eminent personalities from various Industries and Institutes.
- ◆ Hello World - A State level Technical Symposium organized by the department every year/ Computer Society of India - Student Chapter Started in the year 2011.
- ◆ Department has it's own R & D cell to support and develop the mini and main (Inhouse) Projects.
- ◆ Department has the facility to support the research activity in Data Mining / Digital Image Processing Neural Network & Fuzzy Logic etc.



Hello World Technical Symposium

DEPARTMENT OF MANAGEMENT STUDIES

- ◆ The Department of Management Studies is dedicated to build a strong future for graduates through its MBA Programme. It aims to provide an opportunity to young graduates the right conceptual foundations, analytical skills and application abilities to help them to attain and maintain crucial competitive edge as managers who can lead from the front.
- ◆ Management Studies revolves around understanding the nature of consumers and the solutions crafted in response by business firms that keep changing both incrementally and radically over time. We continuously incorporate in our learning the ever evolving trends in Industry.
- ◆ Our Institute takes holistic approach, helping to create complete managers who can balance the needs of various industries.

Special Features of MBA Programme

- ◆ Global perspective and focus
- ◆ A modular approach to the learning process
- ◆ Organizes productive seminars and workshops
- ◆ Strong foundation of general management concepts & skills across all key disciplines.
- ◆ Industry competent development & Industrial visits for practical exposure
- ◆ Interaction with Industry experts & Industrial Internship programme
- ◆ Student centric - learning process - Symposiums and conferences
- ◆ Real time field study and projects at renowned business houses
- ◆ Personality development program focused on enhancement of intelligence and emotional quotients

Core and Advance Subjects:

S.No.	Finance	Marketing	Human Resources
1	Security Analysis and Portfolio management	Consumer Behavior	Recruitment & Selection
2	Financial Institutions Markets and Services	Marketing Communication	Management of Industrial Relations
3	Derivatives	Retail Management	Training and Development
4	International Financial Management	International Marketing	Performance Management
5	Strategic Investments & Financing Decisions	Sales & Distribution Management	Management of Change
6	Risk Management and Insurance	Service Marketing	Compensation & Reward Management



The department has exclusive Computer lab facility.

- ◆ Hardware : 30 PC's with latest configuration
- ◆ Software : Globarena / SPSS etc.

Faculty Details

S.No.	Name of the Faculty	Qualification	Specialization
1	Mr.T.S.V.Prasad	M.Com.,PGD IRSPM (Ph.D)	Human Resource & Magmt
2	Ms.P.Nagajyothi	MBA(Ph.D)	Human Resource & Magmt
3	Ms.Y.Santhoshi	M.Com (CA Inter)	Finance
4	Ms.Ch.Parameswari Devi	MBA	Finance
5	Ms.M.Lavanya	MBA	Marketing
6	Mr.Brahmaiah.S	MBA	Finance & Marketing
7	Mr.N.Bharani Kumar	MBA	Human Resource & Magmt
8	Ms.P.Kalpana	MBA	Human Resource & Magmt
9	Mr.K.Veerender	MBA	Finance



- ◆ The Humanities & Science is the backbone of Engineering curriculums.
- ◆ Communicative English is continuing in the best traditions of academic life and paramount important in all National and International forums. The department transacts teaching and learning in variety of interactive ways to enable the students to acquire language skills needed in a highly cooperative.

The following areas are given due emphasis

- ◆ Spoken English, Phonetics and Communication Skills
- ◆ Listening, Speaking, Reading and Writing Skills
- ◆ TOEFL, GRE, GMAT, CAT, IELTS, GATE and IES

Mathematics is the fundamental requirement of Engineering Technology. Apart from the regular theoretical concepts, the faculty of Maths provides an intensive training in Analytical Skills, Aptitude etc. In addition, the department has exclusive lab facility to meet the requirements of University and Industry.

- ◆ Advanced English Communication Lab (ELCS, AECS & GEMS Lab)
- ◆ Physic Lab
- ◆ Chemistry Lab



Physics Lab



Chemistry Lab

Faculty Details

S.No.	Name of the Faculty	Qualification	Designation	Specialization
1	Mr. Nagendra K.	MA.,M.Phil,PGDTE(Ph.D)	Asst. Professor	L & P
2	Mr. A.Suresh Babu	MA.,M.Phil,PGDTE	Asst. Professor	ELT
3	Mr.B. Vemaiah	MA.,M.Phil,PGDTE(Ph.D)	Asst. Professor	ELT
4	Mr. S.V. Ramakrishna	M.Phil(Ph.D)	Asso. Professor	Mathematics
5	Mrs. G. Purnima	M.Sc., M.Phil.	Asst.Professor	Mathematics .
6	Mrs. T.Sudha	M.Sc.	Asst.Professor	Mathematics & CSE.
7	Mr. P. Raju	M.Sc.	Asst.Professor	Mathematics
8	Mrs.H.Kamalasree	M.Sc.	Asst.Professor	Solid State Physics
9	Mrs. D. Vijetha Reddy	M.Sc.	Asst.Professor	Applied Electronics
10	Mrs. N. Nagamani	M.Sc.	Asst.Professor	Solid State Physics
11	Ms. M Chaitanya	M.Sc.	Asst.Professor	Electronics & Commn.
12	Ms. S.Subhashini	M.Sc.	Asst.Professor	Inorganic Chemistry
13	Mrs. M. Peebe	M.Sc.	Asst.Professor	Physical Chemistry
14	Mrs.G.Pushpalatha	M.Sc.	Asst.Professor	Organic Chemistry
15	Mr. N.V.V.Panduranga Rao	M.Sc.	Asst.Professor	Inorganic Chemistry

LIBRARY

- ◆ As a knowledge Resource Centre, our Library is a place of our Pride. Our new Library premises (in process) has a vast area of 1000 Sqm. In the 2nd Floor of Central Block.
- ◆ The Library has an excellent and rare collection of Books, Journals and Magazines. It works from 8.00 a.m. to 6.30 p.m. in all working days.
- ◆ The Library collection includes unique reference titles, CDs, project reports and other documents.
- ◆ Digital Library enables instant access to all the information like e-material, e-lectures. NPTEL (National Program in Technology Enhanced Learning) developed by IITM.

Description	Mech	ECE	EEE	CSE	MBA	H & S	Total
Total No.of Volumes	3005	2728	2347	2688	2303	3683	16753
Total No.of Titles	257	409	248	581	448	266	2207
National Level Magazines	6	6	6	6	6	6	36
International Journals	6	6	6	6	6	-	30
Online Journal	230 (All branches)						



Library

Central Library has the following facility:

- ◆ Circulation
- ◆ Reference facility
- ◆ Referral Service
- ◆ Current Awareness Service (CAS)
- ◆ Serials (Journals & Magazines Multimedia and Audio - Video)
- ◆ Books are filed according to class numbers facility
- ◆ Selected Dissemination of Information (SDI) Service (D.D.C 21 edition) on the shelves
- ◆ Printing/ Repographic facility
- ◆ Book Bank Scheme
- ◆ Internet/ Intranet facility\



Reading Room



SPORTS AND NSS

- ◆ Sports Facilities : Indoor and Outdoor games.
- ◆ Physically challenged students are encouraged to take part and shine in Sports and Games of their choice.
- ◆ Yoga Classes
- ◆ Our NSS organized a community project / Special Camp in Panchayat union.
- ◆ Blood Donation Camp in association with Lions Club is organized every year in the month of February
- ◆ Special Medical Camp in and around the Lingampally & Patancheru

YOUNG ACHIEVERS

- ◆ Mr.P.Surender Reddy, Mr.K.Sathyanarayana Raju, Mr. D. Pavan Kumar & Mr.G.Prakash Rao 3rd Year Students 1st Prize in Quiz competition in ‘AEROQUEST’ 2K10 conducted by CM Engineering College, Hyderabad in February 2010.
- ◆ Ms.R.Bargavi & Ms.Soujanya 2nd Year MBA Students won 2nd Prize in Quiz competition in Business Plan a State Level Symposium conducted by TRR Engineering College in the month of October 2010.
- ◆ Mr.Seshadri S, 3rd Year CSE, won 1st Prize in Designing Even of Photo Shop - A State Level Competition conducted by RRS College of Engineering on September 2010.
- ◆ Mr.Satyam Abhishek participated in 3rd All India Inter Engineering collegiate Sports Fest conducted by VNRVJIET during November - December 2010.
- ◆ Mr.Nagendra Asst. Professor in English presented the Paper in National Conference on Soft Skills conducted by MNM Jain Engineering College, Chennai on 12th March 2011
- ◆ Mr.B.Vemaiah, Asst. Professor in English. Presented the 4 papers in National Conference and 2 papers in International Conference conducted by various universities in the academic year 2010-2011.



Outdoor Games



Special Camp Programme - NSS Unit



Blood Donation Camp

FACILITIES FOR CAMPUS RECRUITMENT / SOFTSKILL TRAINING CENTRE

- ◆ An exclusive Softskill Lab with 60 Systems have been developed to provide various training programmes to meet the Campus recruitment.
- ◆ Training will be provided for all the stream of students from 2nd year onwards. To fulfill this, our institute signed an MOU with Jawahar Knowledge Centre (JKC), (E-Governance), Govt of AP.; IIIT, Hyderabad, and GEM through Globarena & JNTUH. The training schedule is designed as follows:

II Year students - Certificate in Information Technology Programme in coordination with IIIT, Hyderabad.

III Year Students - Jawahar Knowledge Centre, Govt of AP.
And

GEMS Programme jointly organized by (Globarena and JNTUH joint initiative)

IV Year Students - Professional Trainer - prepare towards placement corporate readiness.

The topic covered are as follow:

- a) Written / Aptitude Test preparation
 - (i) Verbal
 - (ii) Quantitative Aptitude
 - (iii) Reasoning etc.
- b) Pre-placement and Corporate readiness:
 - (i) Group discussions
 - (ii) Interview Skills
 - (iii) Stress Management
 - (iv) Time Management
 - (v) Oral Reporting
 - (vi) E - Correspondences
 - (vii) Assertiveness etc.
 - (viii) Model papers of reputed industries are discussed and solved.
- c) Model Papers of reputed Industries are discussed and solved.



JKC Programme

PLACEMENT CELL

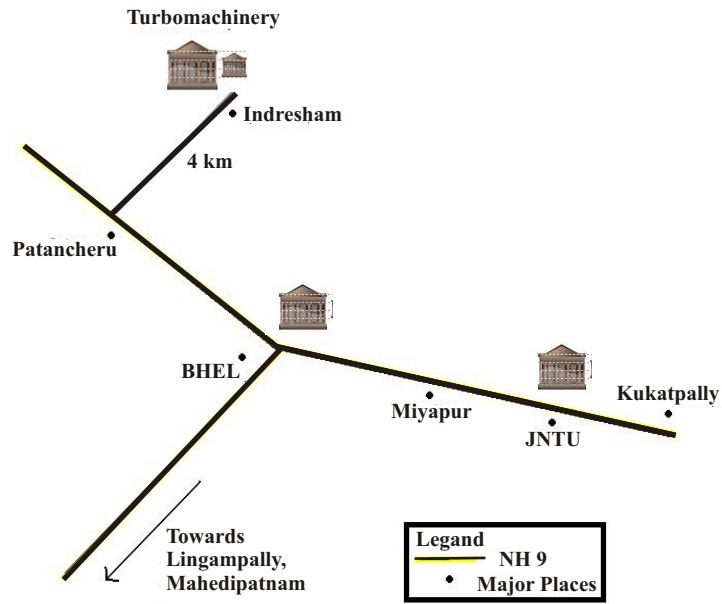
- ◆ The Placement Cell fosters 'Excellence, Enthusiasm and Inspiration' in students and provides the right Environment for their Development. The Cell motivates and counsels the students to realise rewarding Career Pathways viz., Higher studies or Entrepreneurship or Placement
- ◆ The Department arranges for Campus Recruitment by leading Companies through continuous Industry Interaction, Company visits and excellent Partnerships.
- ◆ Coordinates with Industries for enhancing Employability through intense Training in "Appropriate Skills".



INDUSTRY INSTITUTE INTERACTION CELL (IIIC) / HIGHER STUDIES

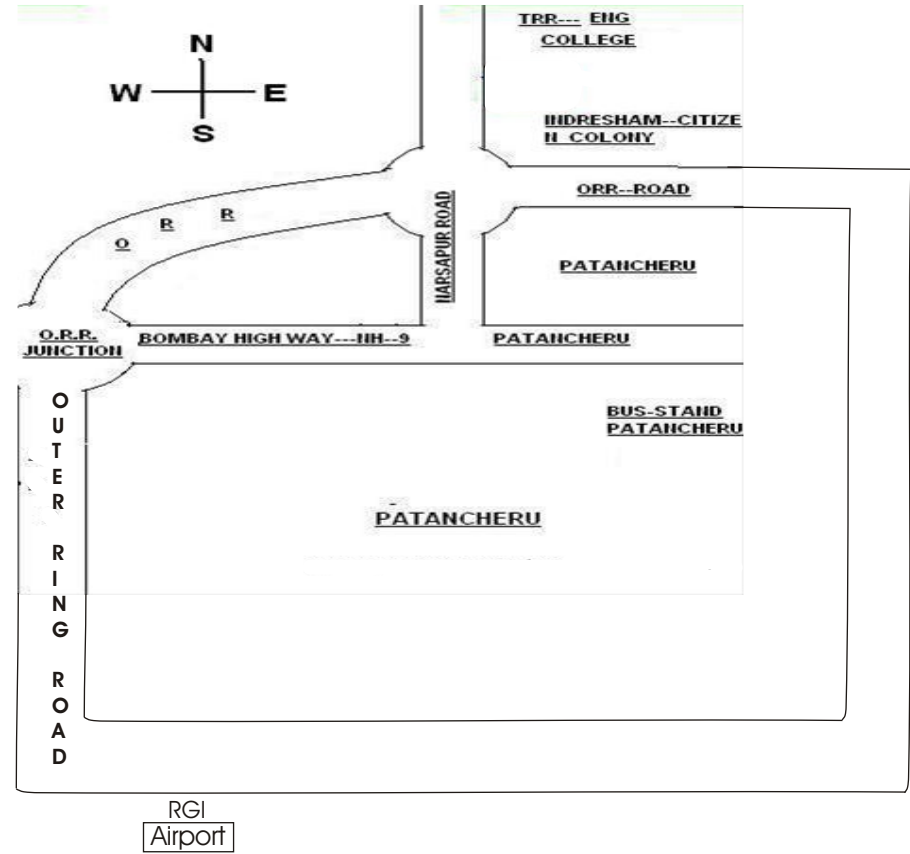
- ◆ The objective of 'III Cell' are being well achieved by continuously bridging the gaps between 'Institution and Industry'.
- ◆ The Cell is association with Industries, organizes Seminars, Symposia, Workshops, Guest Lectures, Industrial visits, Inplant training, Industrial projects, MOUs and Consultancy works.
- ◆ Our Faculty have expertise to offer specialized Training to Industry personnel; Topics include Auto CAD, Pro-E, Mat Lab, Communication Skills, Market Survey etc.



College Route Map



Legend
 NH 9
 Major Places



Excellence is an outcome of good intention

and the right ways to do a work



Turbomachinery Institute of Technology and Sciences

(Approved by AICTE. & Govt. of Andhra Pradesh, Affiliated to JNTU., Hyderabad)

Indresham, Patancheru, Hyderabad - 502 319

Ph: 08455-200691, 200697, 200698 / 91-9395374330

Website: www.turboinstitutions.in

E-Mail: tits@turboinstitutions.org