



DEPARTMENT OF ELECTRONICS COMMUNICATION & INSTRUMENTATION ENGINEERING



About the Department

The Department of Electronics & Instrumentation (EIE) Engineering was established in the year 1981 in Kakatiya Institute of Technology & Science (KITS), Warangal. Department offers B.Tech Programme in E&I Engg and Specialized M.Tech Programme in VLSI & Embedded Systems. The institute to its credit is first in the country to offer a B.Tech program in Electronics & Instrumentation stream. The B.Tech program has been accredited by the National Board of Accreditation (NBA) of AICTE, New Delhi. The department has its proud alumni placed at highly reputed MNCs in and abroad. It's a privilege that Prof. V. Ram Gopal Rao, the present Director of IIT, Delhi is proud Alumnus of the Department (1982-1986 batch).

The department is recognized as a Research center for Electronics and Instrumentation Engineering stream under Kakatiya University and offers state of the art research facilities to the Ph.D scholars registered in the specified areas of Electronics, Instrumentation, Communication, Signal Processing and VLSI.

The Department of Electronics and Instrumentation Engineering has a fine blend of highly experienced, young, dynamic and committed personalities as faculty. The faculty is striving hard and is providing quality education at both Undergraduate (UG) and Postgraduate (PG) levels with broad based curricula. The syllabi of the courses are continuously updated and the laboratories are modernized to reflect the rapid changes in technology.

The Department is sanctioned with an amount of Rs. 8.0 lakhs towards the Modernization of Measurements & Instrumentation Laboratory under Modernization and Removal of Obsolescence Scheme (MODROBS) in the year 2010 and also a research project of Rs.9.9 lakhs under Research Promotion Scheme (RPS) in the year 2013 by AICTE, New Delhi.

The Department is sanctioned with an amount of Rs. 15.0 lakhs towards the Modernization of Process control Laboratory under Modernization and Removal of Obsolescence Scheme (MODROBS) in the year 2019 by AICTE, New Delhi.

The department has a centre of excellence NI LabVIEW Academy, which is actively providing training and certification on various LabVIEW modules. The department has the distinction of being awarded accreditation by the National Board of Accreditation (NBA) New Delhi four times (2003, 2008, 2014, 2018 and 2021). The NBA accreditation status of the department is active for 3 years with effect from 2024.

Vision

- To provide quality education in Electronics & Instrumentation Engineering by nurturing the students with strong technical analytical, practical skills and ethics to make them engineering professional who cater to the societal needs with a high degree of integrity and social concern.

Mission

- To provide progressive and quality educational environment with the help of dedicated faculty and staff by fully utilizing the information technology aiming at continuous teaching and learning process.
- To produce engineering graduates fit for employability with a competence to design, develop, invent and solve instrumentation engineering problems.
- To make the students ethically strong by inculcating sense of brotherhood

Programmes Offered

Course	Intake
B.Tech.	60
M.Tech.	12
Ph.D. (as allotted by Kakatiya University)	08 per Supervisor

Career Opportunities:

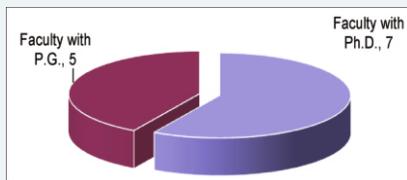
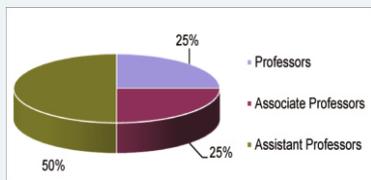
- Most of the students of the department have been placed on campus and off campus every year in reputed Software, Core and Public and Government sector companies like TCS, Infosys, Tech-Mahindra, Accenture, Google, Reliance Power, L&T, BOSCH, Caterpillar Electronics, IBM, BARC, IOCL, ISRO, DRDO, SAIL, NTPC, KTPS, BILT, etc.
- The students also have opportunities in Industries related to IoT, Artificial Intelligence, Power, Petrochemicals, Pharmaceuticals, Chemical and Food processing, Plastic- Rubber molding , VLSI, Optical and Laser based communications, Wireless communications, Telecommunications and Embedded Systems etc.



NI Lab View Training conducted at E&IE Dept.



FACULTY



Dr. K. Sivani
Head of the Department
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Professors

S.No.	Name	Qualification
1	Dr. M. Sreelatha	M.Tech., Ph.D.
2	Dr. K. Sivani	M.Tech., Ph.D.
3	Dr. K. Venu Madhav	M.Tech., Ph.D.



Associate Professors

S.No.	Name	Qualification
1	R. Nirmala Devi	M.Tech. (Ph.D.)
2	Dr. O. Anjaneyulu	M.Tech., Ph.D.
3	Dr. M. Raghu Ram	M.Tech., Ph.D.



Assistant Professors

S.No.	Name	Qualification
1	B. Shashikanth	M.Tech. (Ph.D.)
2	Dr. B. Jeevan	M.Tech., Ph.D.
3	Dr. K. Srinivas	M.Sc. (Tech.), Ph.D.
4	B. Venu Maheswar Rao	M.Tech. (Ph.D.)
5	B. Smitha	M.Tech. (Ph.D.)
6	K. Shailaja	M.Tech. (Ph.D.)





Faculty Research

Research Publications (2023-24)

	International	National	Total
Journals	02	--	02
Conference Proceedings	03	01	03

Research Groups :

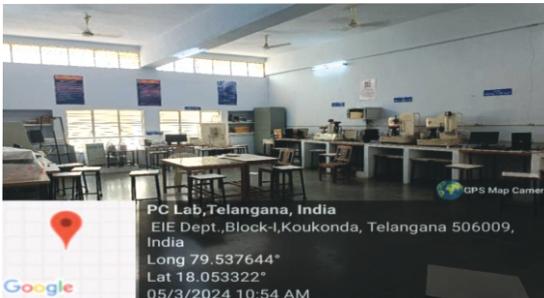
- VLSI
- Signal & Image Processing
- Sensors & Embedded Systems

Major Facilities

• BIOPAC - A standard research Platform for recording and analyzing of Biomedical signals • NATIONAL INSTRUMENTS (NI) VIRTUAL INSTRUMENTATION PLATFORM WITH SCXI MODULES, USB DATA ACQUISITION & LABVIEW 2018 SOFTWARE • MATLAB 7.2 SOFTWARE • XILINX SPARTAN FPGA DEVELOPMENT SYSTEMS • ACTIVE HDL AND MULTISIM SOFTWARE • DSP AND EMBEDDED SYSTEM MODULES • NI ELVIS II WITH FPGA • NI MYRIO, NI MYDAQ • UNIVERSAL IC PROGRAMMERS • DIGITAL STORAGE OSCILLOSCOPES • FOUR TRACE OSCILLOSCOPES • ARM MICROCONTROLLER DEVELOPMENT PLATFORM • AVR MICROCONTROLLER DEVELOPMENT PLATFORM • PIC MICROCONTROLLER DEVELOPMENT PLATFORM • 8051 MICROCONTROLLER DEVELOPMENT PLATFORM • ARDUINO ROBOTIC DEVELOPMENT PLATFORM • MICROPROCESSOR TRAINER KITS PC BASED PROCESS CONTROL WORK STATIONS FOR TEMPERATURE, FLOW, LEVEL AND PRESSURE, CASCADE & RATIO CONTROLLERS • PROGRAMMABLE LOGIC CONTROLLERS (PLC) • TRANSDUCERS AND SIGNAL CONDITIONING MODULES • ECG, RESPIRATION AND PULSE RATE MEASUREMENT KITS

Laboratories

• BASIC ELECTRONICS & INTEGRATED CIRCUITS LABORATORY • RESEARCH LABORATORY • VIRTUAL INSTRUMENTATION & IOT LABORATORY • MPMC LABORATORY • MEASUREMENTS & INSTRUMENTATION LABORATORY • E-CAD LABORATORY • PROCESS CONTROL LABORATORY



Process Control Laboratory



Instrumentation Laboratory

Students Activities (2023-24)

SUMSHODHINI events conducted during the A.Y 2023-24: KITS Warangal has organized SUMSHODHINI'21 a yearly technical symposium conducted on 27th & 28th January 2022, virtually this year with proper covid precautionary measures. As part of it, Department of Electronics and Instrumentation Engineering (EIE) has organized following events:

TECHNICAL EVENTS:

1. Workshop: Workshop on Android Controlled Robot, 2. PPT, 3. Hidden Circuit 2.0, 4. Master Minds, 5. Brain combat, 6. Arcadathon 3.0, 7. Stress Buster, 8. Jigsaw Jamboree

