



Newsletter

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Department of Electronics & Instrumentation Engineering

(Accredited by NBA, New Delhi)

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE

Warangal-506 015, Telangana, INDIA (An Autonomous Institute under Kakatiya University, Warangal)

काकतीय प्रौद्योगिकी एवं विज्ञान संस्थान वरंगल - ५०६०१५

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SUSHODHINI'16:

**A NATIONAL
LEVEL STUDENT
TECHNICAL
SYMPOSIUM
was organized**

**successfully during
21-23 rd January
2016 . Several stu-
dents across the na-
tion have partici-
pated in various
events and exhibited
their talent and also
won fabulous prizes.**

Technical events:

**GRILL...
(A Technical Quiz)**

**INSTANTRIX
Vision robotics
work shop**

ROBO Soccer

List of Major Projects for the academic year 2016-17

HRV Analysis of PPG using Instantaneous frequency method
Microcontroller based Complete Weather Monitoring station
Automatic Measurement and Reporting system of water Quality Based on GSM
Automatic wheelchair for physically disabled persons
Alcohol Detection and Vehicle controlling
Text Extraction from Live Captured Image with Diversified Background using Edge Based & K-Means Clustering
Design of Virtual Instrument for Generation of EOG and Hand Gesture Recognition for Disabled using labVIEW
Intelligent Car Parking Monitoring System
Electrical Energy meter reading through internet
Blind stick Tool – Mobility made easy free for blind/Deaf person
Microcontroller based real time process controller and data logger
Design and Implementation of a Microcontroller based wireless energy meter
Automation and control of 3 level smart elevator using PLC
Transmission of Numeric Data Light Fidelity (LIFI) Technology
GSM Based Irrigation water pump controller
Area – Delay-Power Efficient carry select adder
Automated Packing system using PLC



Congratulations to **S. ANJANA** for securing
FIFTH position in the zonal round of
ROBOTRYST– 2016
Organized by
ROBOSAPIENT Technologies Pvt. Ltd.

E&I Association Calendar for II Semester

<u>Date</u>	<u>Activities</u>
01.12.2016	Express to Impress
08.12.2016	Guest Lecture on GRE-Scholarship Test- Deliverables
15.12.2016	Brain Storming
22.12.2016	A Brief study on Industries [Slide show]
29.12.2016	GATE Preparation Tips
05.01.2017	Debate and JAM
12.01.2017	Role Play
19.01.2017	Puzzles

Participation of student's in various events during 2016-17

National Level Robotics Championship at TRYST-16, IIT- Delhi



Attended Guest Lecture by Flipkart founders- Sanchin and Binny Bansal at IIT-Delhi



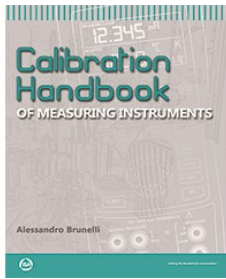
Wireless Sensor Networks workshop at AARUSH, SRM University



Line and Wall follower competition at ATMOS, BITS-Pilani, Hyderabad Campus



SINDHUJA, B. SATWIKA, I. NIHARIKA, R. SATWIKA, M. ASHWINI, P. VINEETHA, and RUPASREE successfully completed 15 days internship program on INPLANT INSTRUMENTATION @ BHEL, HYD.



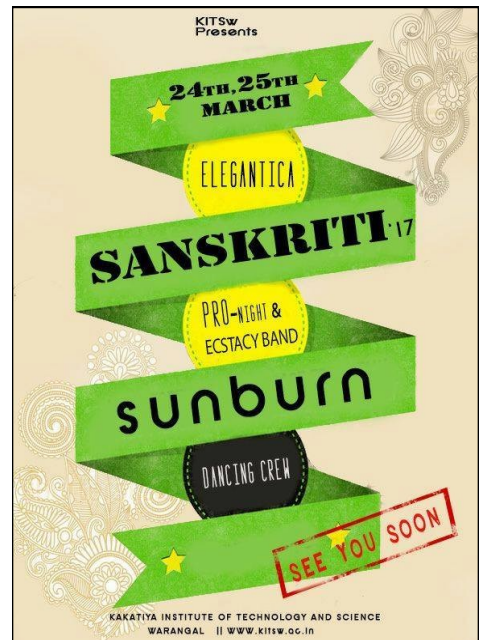
The International Society of Automation (ISA) announced it has published a new book designed for operators involved in verifying and calibrating measuring instruments used in ISO 9001 Quality Management Systems, ISO 14001 Environmental Management Systems, ISO 16949 Automotive Quality Management Systems, and AS/EN 9100 Aviation Series Quality Management Systems.

The *Calibration Handbook of Measuring Instruments* by Alessandro Brunelli, an expert in the measurement and automation of industrial processes, helps guide and manage industrial process measurement, specifically addressing:

- The general concepts for managing measurement equipment according to the ISO 10012 management system of instruments and measurements.
- An instrument's suitability to perform accurate measurements and control the drift to maintain the quality of the measurement process.
- The criteria and procedures for accepting, managing and verifying the calibration of the main industrial measuring instruments.

The provisions of law and regulations for production and European marking CE of metrological instruments used in commercial transaction and for their periodic verification.

Report templates useful for recording both instrument data and experimental calibration data and for evaluating the conformity of instruments are included on an attached CD. The CD also contains various spreadsheets—in Excel and calibration reports—that automatically calculate errors and the relative measurement uncertainty for determining a calibrated instrument's compliance.



List of students placed on campus in this semester

S. No.	Name of the Student	Roll Number	Name of the Company
1.	G. Vydhik	13016T0638	TECH MAHINDRA
2.	V. Sai Shruthi	13016T0651	TECH MAHINDRA
3.	A. Pranav	13016T0605	ADP
4.	K. Santhosh Kumar	14016T0665L	AVINEON
5.	P. Ramesh	14016T0674L	AVINEON

