



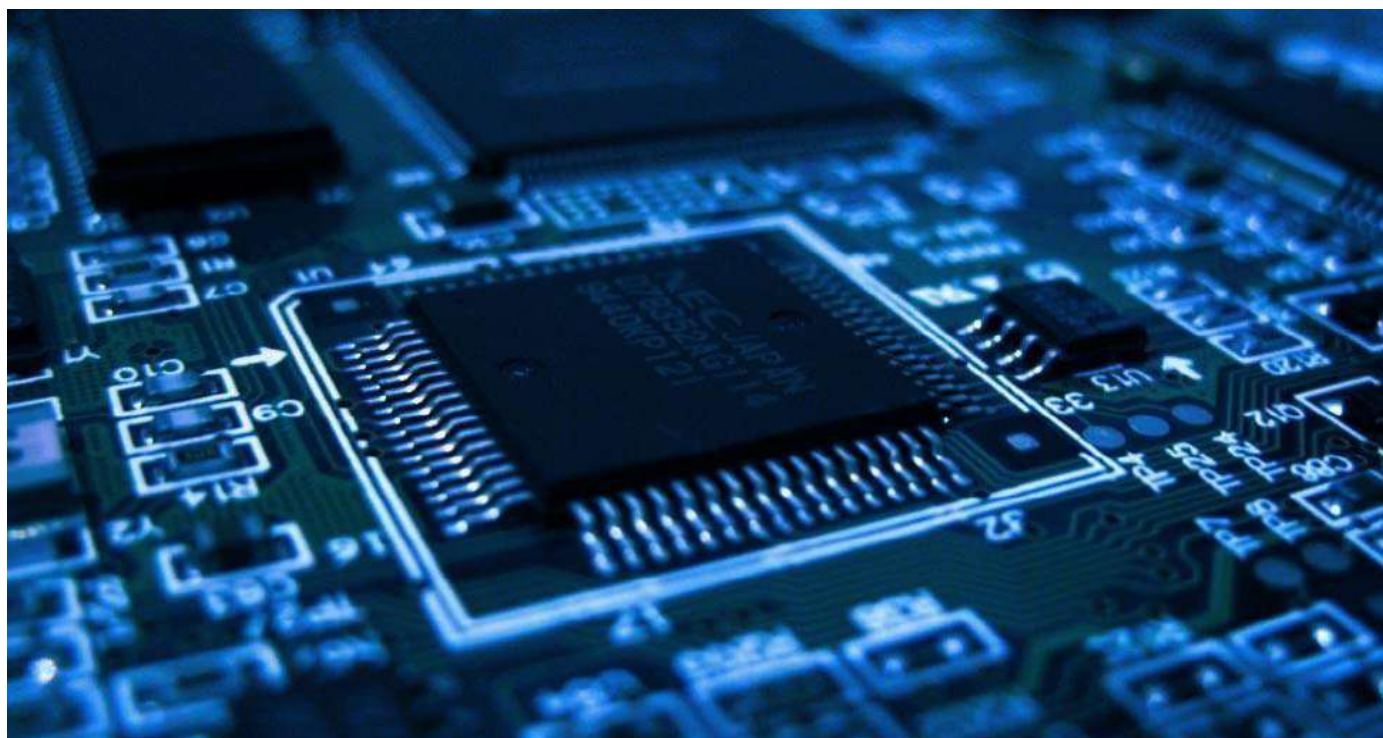
**KUMARAGURU**  
college of technology  
character is life

**DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION  
ENGINEERING**

PRESENTS



**E-TROLTRONICS**  
5-TH EDITION



**EDITED BY**

Student Coordinator:

Ms. Niranjana Ratsha S (21BEI024)

Ms. Sobika M (21BEI042)

Faculty Coordinator:

Dr V Dinesh Kumar / HOD / EIE

Mr. Umesh MV / ASP



### VISION OF THE INSTITUTE

- The vision of the college is to become a technical university of International Standards through continuous improvement.

### MISSION OF THE INSTITUTE

- Kumaraguru College of Technology[KCT] is committed to providing quality Education and Training in Engineering and Technology to prepare the students for life and equipping them to contribute to the technological, economic and social development of India. The college pursues excellence in providing training to develop a sense of professional responsibility, social and cultural awareness and set students on the path to Leadership.

### VISION OF THE DEPARTMENT

- The Department of Electronics And Instrumentation Engineering (Esi) envisions a holistic education that transforms the learners into responsible engineers which shall enable them to identify significant problems both in Industry and Society to arrive at creative and sustainable solution through collaborative team works.

### MISSION OF THE DEPARTMENT

- The Department of Electronics And Instrumentation Engineering aims at
- Implement modern andragogical approach in academics, innovative research initiatives and collaborative projects that shall ethically address the societal needs.
- Develop knowledge and skills required to excel in manufacturing ,automation and allied industries on a global platform.
- Expand the knowledge for higher studies and get inspired for lifelong learning.



Dr. Anil Kumar K K  
Professor's Head, EIE

## HOD's MESSAGE

Electronics s Instrumentation Engineering stabilised in the year 2006 is a specialized branch of Electrical and Electronic Engineering, which focuses on the principle and operation of field instruments SCADA, DCS, PLC'S and the process control systems which are used in design and configuration of automated systems. These engineers work in industries with automated processes, such as chemical or manufacturing plants, with the goal of improving system productivity, reliability, safety, optimization and stability. Within a short period, we have established all our laboratories and centres of excellence, which are required for the curriculum and several specialized equipment and software, which help the students to do their real time projects. We have placed our students in core industries like Yokogawa, Bosch, Data Patterns, TVS, Tesolve, Saipem, ECON, etc. Many of our alumni have successfully cracked CAT and GATE to gain entrance into the high portals of higher education. Also, we have our students pursuing their higher

## ABOUT THE DEPARTMENT

Started in the year 2006, the department of Electronics s Instrumentation Engineering is running a 4-year undergraduate programme in Electronics s Instrumentation Engineering. Since its inception, the department has grown in leaps and bounds with the state of art infrastructure. Yokogawa Centre of Excellence, KCTFLUKE Centre of Excellence in Calibration, Siemens PLC Automation Laboratory are some of the major centres operational in addition to Advanced Process Control and Computerised sensors laboratories. The department has a team of well qualified, dedicated faculty members with vast experience in industrial and research background. The department is involved in active Industrial consultancy services for neighbouring Industries in the field of Automation. Certified calibration for Electro-Technical /Thermal/Pressure Instruments are some of the prominent consultancy services. Major and Minor projects funded by the government bodies and industries are focused on solving industrial needs. Our association with the professional bodies ISA, ISOI, IEEE, ISTE, IEI and CSI is playing

## DEPARTMENT ACTIVITIES

### Workshop on Foundation in Digital World

*Programme Date: 23.05.2022 to 25.05.2022*

*Total Participants: 20*



**Workshop on Foundation in Digital world conducted during 23 to 25.05.2022**

Department of E&I has conducted the three days Workshop on Foundation in Digital World (Sensors, Digital Electronics, MyDAQ & Calibration) during 23<sup>rd</sup> to 25<sup>th</sup> May 2022. Mr.S.Ranganathan, AP I and Mr. M. Saravanabalji, AP I have coordinated the training program. The Resource person is Mr. S. Ranganathan, AP I, E&I, about 20 students from Government Polytechnic College, Palakkad, were attended the workshop.

# ASSOCIATION EVENT

## Workshop on Intelligent Automation using DCS and IOT

*Programme Date: 17.05.2022 to 18.05.2022*

*Total Participants: 94*



**Intelligent Automation Using DCS and IOT conducted from 17 to 18.05.2022**

As a part of Association events the Workshop on Intelligent Automation Using DCS and IOT has been conducted for two days during Yugam 2022. Mr. M. Saravanabalji, AP I has coordinated the workshop. The Resource person is Mr. Mohandass, about 94 students were attended the workshop.

# Workshop on Automation System Design using PLC

*Programme Date: 17.05.2022 to 18.05.2022*

*Total Participants: 64*



**Workshop on Automation System Design Using PLC conducted from 17 to 18.05.2022**

As a part of Association events the Workshop on Automation System Design Using PLC has been conducted for two days during Yugam 2022. Mr. S. Ranganathan, AP I has coordinated the workshop. The Resource person is Mr. C. Jeeva, about 64 students were attended the workshop.

# Workshop on Design of Miniature sensor

*Programme Date: 16.05.2022*

*Total Participants: 53*



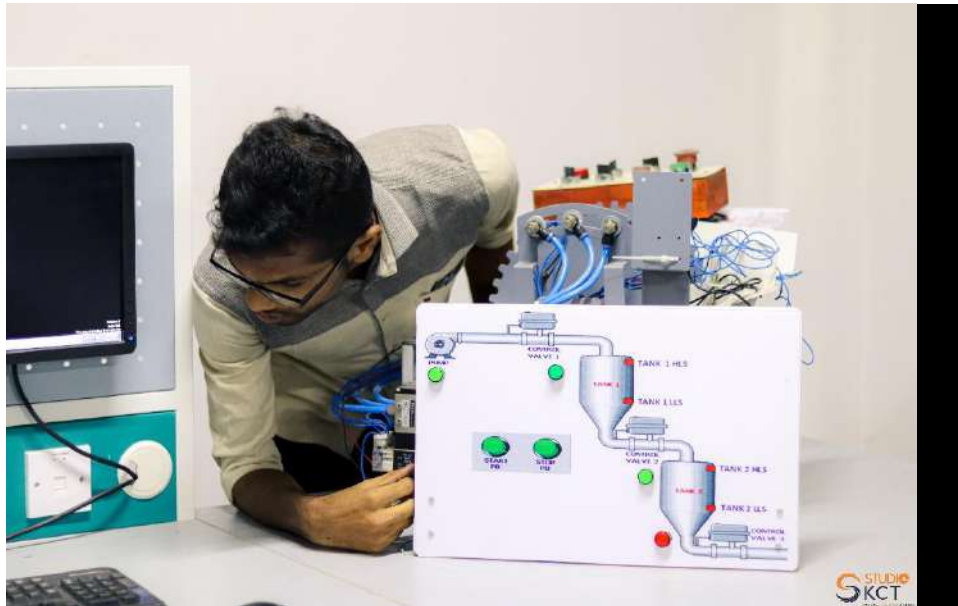
**Workshop on Design of Miniature sensor conducted from 17 to 18.05.2022**

As a part of Association events the Workshop on Design of Miniature sensor has been conducted during Yugam 2022. Mrs. V. Manimekalai, AP I has coordinated the workshop. The Resource person is Mr. K Sripadaraja, Intellisense Pvt Ltd, Coimbatore, about 53 students were attended the workshop.

# Electro Hunt Event

*Programme Date: 20.05.2022*

*Total Participants: 30*



**Event on Electro Hunt 20.05.2022**

As a part of Association events the Electro Hunt event has been conducted on 20.05.2022 during Yugam 2022. Mr. M. V. Umesh, ASP has coordinated the event, about 30 students were participated in the event.

# Industrial Visit to Doddabetta Tea Factory

*Programme Date: 07.05.2022*

*Total Participants: 25*



**IV year students visited Doddabetta Tea Factory, Ooty on 07.05.2022**

IV-year E&I students visited to Doddabetta Tea Factory, Ooty on 7<sup>th</sup> May 2022. 25 students went to Industrial Visit accompanying by 2 faculty members Mr. V. Athappan, AP II and Mr.M.Saravanabaljai, AP I, E&I.