



**KUMARAGURU**  
college of technology  
character is life

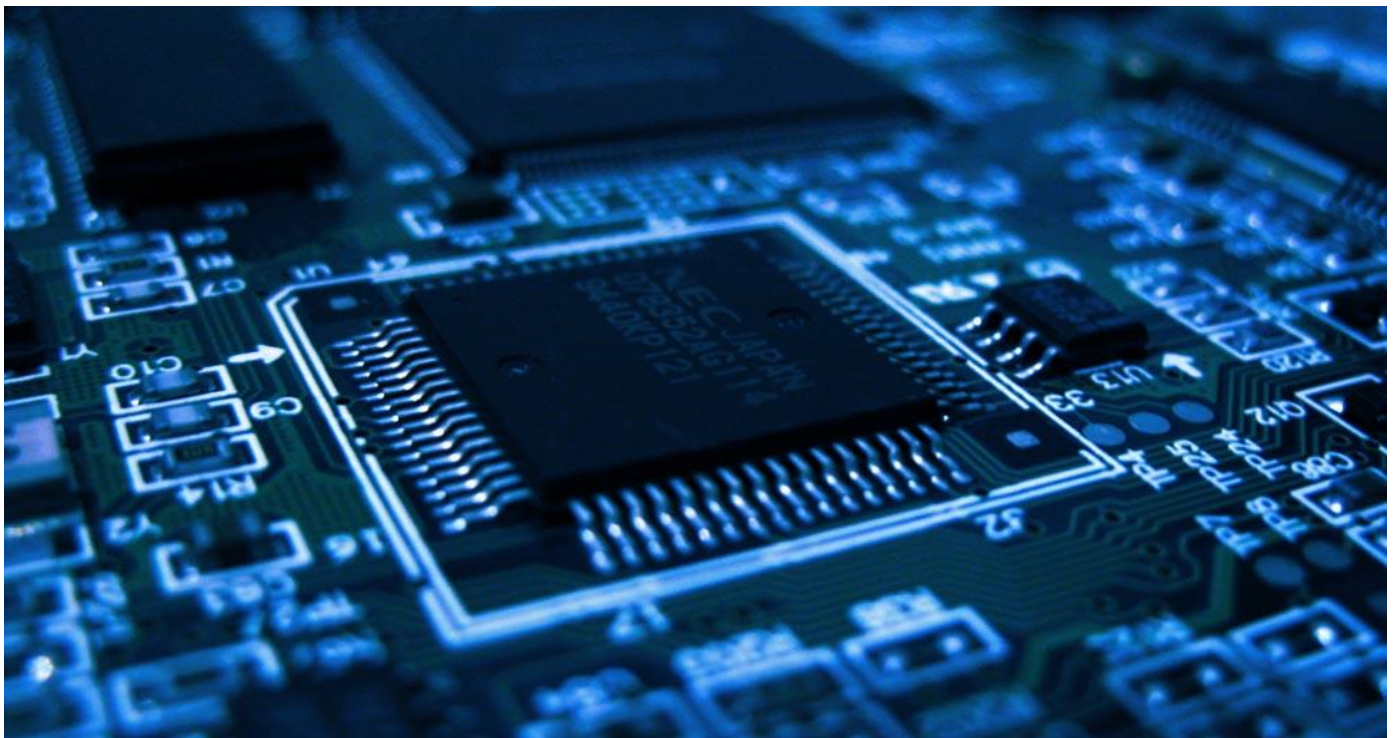
**DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION  
ENGINEERING**

---

PRESENTS



**E-TROLTRONICS**  
5-TH EDITION



**EDITED BY**

### 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 studnets 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 studnets on the path to Leadership.

### VISION OF THE DEPARTMENT

- The Department of Electronics And Instrumentation Engineering (E&I) 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 thourgh collabrative 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 addresss 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.



## HOD's MESSAGE



**Dr. Anil Kumar K K**  
Professor & Head, EIE

Electronics & 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 & Instrumentation Engineering is running a 4-year undergraduate programme in Electronics & 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

# SKILL KIT WORKSHOP SERIES...



**SKILLKIT WORKSHOP SERIES**

**LEVEL UP**

**Session 03 TOPIC: Portfolio**

What is a Portfolio? It helps you stand out in interviews or when you seek collaboration opportunities. Learn how to build a portfolio from scratch!

President, Academics: **Reena Dharshi**  
Placed at Polarion

March 25th, Friday  
Evening 6:30 PM  
MS Teams

Register at [bit.do/SkillkitLev](https://bit.do/SkillkitLev)

Contact: Shreenidhi 63798 15019

---

**SKILLKIT WORKSHOP SERIES**

**LEVEL UP**

**Session 04 Topics: Acing Interviews and Grading | Leveraging LinkedIn. Update your resume**

Register today at [bit.do/SkillkitLev](https://bit.do/SkillkitLev)

President - EIE: **Sivanika**  
IO GEC Intern at Siemens Electric Business

March 26th, Saturday  
Evening 6:30 PM  
MS Teams

Reena Dharshi  
President - CSE, Business Analyst Intern at MIQ Digital India, Bangalore

Contact: Shreenidhi 63798 15019

---

**SKILLKIT WORKSHOP SERIES**

**LEVEL UP**

**Session 05 TOPIC: Sustainable Research**

Sustainable technologies have been around for the past few decades, driven by environmental awareness. Making progress with sustainable technologies is vital to securing a bright future. This session is a great opportunity to gain research and innovations to spark new insights.

President EEE- L: **Dhiksha M**

April 2, Saturday  
Evening 6:30 PM  
MS Teams

Register now at [bit.do/SkillkitLev](https://bit.do/SkillkitLev)

Contact: Dhanya 6374153218

---

**SKILLKIT WORKSHOP SERIES**

**LEVEL UP**

March 25-26, 2023

Register at [bit.do/SkillkitLev](https://bit.do/SkillkitLev)

**SKILL KIT WORKSHOP**

**Topic : The Power of Presentations**

**CHARAN PUSHPANATHAN**  
Product Design Intern - HDFC Bank

Registration Link : <https://bit.ly/PowerOfPresentations>

November 23 , Wednesday - 4.00 PM  
Venue: ADM 207 (admin block)

Samritha - 8508620061  
Samyuktha 8618738131



# FUN OF MEASUREMENTS



Department of  
Electronics &  
Instrumentation  
Engineering

**IQAC**  
INTERNAL QUALITY ASSURANCE CELL



CELEBRATING THE INSPIRING  
LIFE OF ARUTCHELVAR  
DR.N.MAHALINGAM  
**NM 100**  
— 1923 - 2014 —  
*Dr. N. Mahalingam*  
CENTENARY CELEBRATIONS

## FUN OF MEASUREMENT SYSTEM

Quiz and Project Competition

22 & 23, September 2022

Venue: Seminar Hall, EIE department.

**DAY: 1**

**Name of activity: Quiz competition.**

**Date: 22/09/2022.**

**Venue: EIE - Seminar Hall.**

**Guest of Honour: Dr. K K Anil Kumar.**

**Target Audience: School Students of Grade 9th - 12th.**

**Staff Coordinators: Jeya daisy I, Dinesh Kumar V, Manimekalai V, Saravana Kumar S.**

An introduction about the department of Electronics and Instrumentation by our Guest of Honour

Dr. K K Anil Kumar. Showing Videos of KCT, Yugam 2022, and ORB. The icebreaking Session for school students was conducted with dumb charades and



connections by student coordinators. Break time for 15 mins with refreshments provided by our college. Inauguration of the event with all the 3 schools 73 student participants. Welcome address by our guest of Honour. A motivational speech by Dr. M V Umesh. A Brief lecture by Dr. P S Mayurapriyan. Quiz competition - preliminary rounds for both the 9th -10th category and the 11th - 12th category were conducted in separate halls for 20 mins.

9th - 10th category in D-303 and 11th - 12th category in D-302. After the preliminary round, They had a lunch break at campus dining which was provided by our college. After lunch top 8 students of the 9th - 10th category are shortlisted, and the top 10 students of the 11th - 12th category are shortlisted for the Main quiz round and conducted for 15 mins. Students visited the various laboratories in our department with the guidance of responsible faculties of Yokogawa center of Excellence, Process control laboratory, Siemens PLC and Automation laboratory, and Field Instrumentation Laboratory. After visiting the department Declaration of Result with a cash prize for winners and runners of both categories by our guest of Honour Dr. K K Anil Kumar.

9th - 10th category	Name	School name	Cash Prize
Winners		Coimbatore Public School.	Rs 3000 /-
Runners			Rs 1500 /-

11th - 12th category	Name	School name	Cash Prize
Winners		Coimbatore Public School.	Rs 3000 /-
Runners			Rs 1500 /-

## **DAY: 2**

**Name of activity: Project competition.**

**Date: 23/09/2022.**

**Venue: EIE - Electronics Laboratory.**

**Guest of Honour: Dr. K K Anil Kumar.**

**Judge: Dr. M Nirmala.**

**Target Audience: School Students of Grade 9th - 12th.**

**Staff Coordinators: Jeya daisy I, Dinesh Kumar V, Manimekalai V, Saravana Kumar S.**

Students brought their components and they made their working model in the venue. Students are given 2 and a half hours to build their working model. In between refreshments were provided for the students arranged by our college. Display of project and project presentation to the judge

Dr. M Nirmala. IInd year students, IIIrd year students, and other faculties visited the project expo. After completion of the project presentation. Participants had a lunch break at Campus dining. Icebreakers were conducted by the student coordinators. Result declaration of project presentation of winners, Runners, and second runner-up for both categories and prizes distributed by our guest of honor.

9th - 10th category	Name	School name	Cash Prize
Winners		Coimbatore Public School.	Rs 4000 /-
Runners			Rs 2500 /-
Second Runner			Rs 1000/-

11th - 12th category	Name	School name	Cash Prize
Winners		Don Bosco School of Excellence.	Rs 4000 /-
Runners			Rs 2500 /-
Second Runner			Rs 1000 /-

**KUMARAGURU**  
Institutions



**FUN OF MEASUREMENT SYSTEM**

**THEME: MEASUREMENT SYSTEM**

**DAY 1:**  
Forenoon - QUIZ based on electronics for class 9th and 10th students.  
Afternoon - QUIZ based on electronics for class 11th and 12th students.

**DAY 2:**  
Forenoon - Project presentation of 9th and 10th student's team  
Afternoon - Project presentation of 11th and 12th student's team

**CASH PRIZE**

<b>PROJECT:</b> 5000(WINNER)	2500(RUNNER)	<b>FOR REGISTRATION</b> <a href="https://forms.gle/MBMGPSJFKAMHS7MJA">HTTPS://FORMS.GLE/MBMGPSJFKAMHS7MJA</a>
<b>QUIZ:</b> 3000(WINNER)	1500(RUNNER)	

• REFRESHMENTS AND FOOD WILL BE PROVIDED

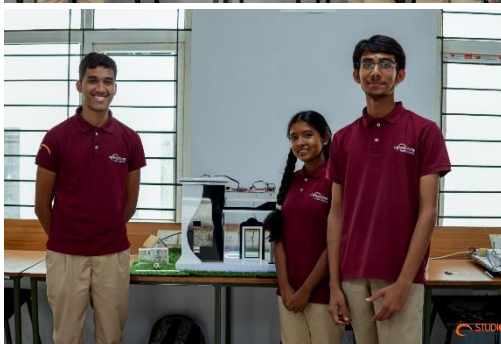
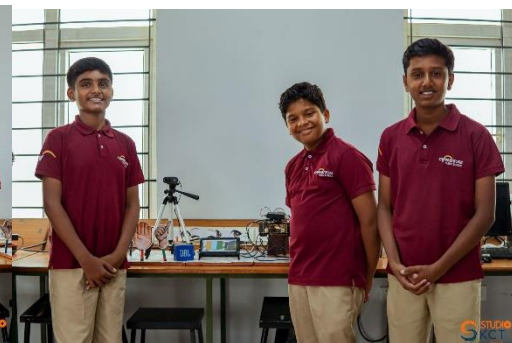
STUDENTS OF 9TH, 10TH, 11TH AND 12TH AS A DUAL AT THE MAXIMUM CAN PARTICIPATE IN THE EVENT. THE PROJECTS CAN BE DONE ON THE MENTIONED TOPICS AND PRESENTED IN THE OFFLINE MODE.

FINAL DATE FOR REGISTRATION ON OR BEFORE 16TH SEPTEMBER  
QUIZ DAY - 22ND SEPTEMBER  
PROJECT PRESENTATION - 23RD SEPTEMBER

JEYA DAISY.I ASST PROFESSOR EIE 9003896038 SARAVANA KUMAR S ASST PROFESSOR EIE  
DINESH KUMAR V ASSOCIATE PROFESSOR EIE  
MANIMEKALAI V ASST PROFESSOR EIE  
• KINDLY CONTACT YOUR SCHOOL COORDINATOR

















# REVIEWS FROM THE STUDENTS


**KUMARAGURU COLLEGE OF TECHNOLOGY**  
**COIMBATORE – 641 049**

**Department of Electronics and Instrumentation Engineering**


CELEBRATING THE INSPIRING LIFE OF ARIYATHALAR DR. N. MAHALINGAM  
**NM 100**  
1923 - 2023  
100th CENTENARY CELEBRATIONS

**FUN OF MEASUREMENT SYSTEM**  
 Quiz and Project Competition  
 22 & 23, September 2022  
**PARTICIPANTS FEED BACK FORM**

**Name of Participant (Optional)** : A. FIDHA FATHIMA  
**Name of the School** : RATHINAM INTERNATIONAL PUBLIC SCHOOL  
**Address** : EACHANARI, COIMBATORE  
 (Please put a ✓ in appropriate box)

- How do you feel about the event?  
 Very Good     Good     Adequate     Inadequate
- Is the duration of the Quiz/Project sufficient?  
 Very Good     Good     Adequate     Inadequate
- How do you rate the session?  
 Very Good     Good     Satisfactory     Not Satisfactory
- How do you rate the EIE Department Visit?  
 Very Good     Good     Satisfactory     Not Satisfactory
- How do you feel about the overall organization and conduct of event?  
 Very Good     Good     Satisfactory     Not Satisfactory
- How did you find the catering quality?  
 Very Good     Good     Satisfactory     Not Satisfactory
- How do you rate the hospitality?  
 Very Good     Good     Satisfactory     Not Satisfactory
- Mention the parts of event specially liked by you.  
*the speech given by HOD of EIE department*
- Did you enjoy the Visit to KCT  
*Yes*
- Any other comments.  
*Everything was good.*



# ACADEMIC STUDENTS MILESTONES

## MG – AWARD



EIE Students with MG-AWARD



BATCH'23 Students with MG- AWARD



BATCH'24 Students with MG-AWARD



## WORKSHOP ON CALIBRATION



### Leadership Council Investiture Ceremony 2023

The Leadership Council Investiture Ceremony 2023 took place on October 27 at the prestigious Ramanandha Adigalar Auditorium, marking a significant occasion to honor student leadership and achievements. The event celebrated the appointment of outstanding leaders across various departments and verticals, including two exceptional students from the EIE Department. Samritha Sivakumar was inaugurated as the President of the EIE Department, while Guhan K was appointed as the President of the Entrepreneurship Vertical, recognizing their remarkable leadership qualities and commitment to the department's goals. The ceremony was a proud moment for the department, reflecting its dedication to fostering leaders who inspired and contributed positively to the academic community and beyond. Congratulations were extended to Samritha and Guhan for their well-deserved roles, as their efforts promised to leave a lasting impact on the department and institution.

# WAGERBASH

**KUMARAGURU**  
Institutions

THE DEPARTMENT ASSOCIATION OF  
ELECTRONICS AND INSTRUMENTATION  
ENGINEERING

Presents

# WAGERBASH

INTRA CLASS CRICKET MATCH

*Cash prize!!*

**WINNERS-1500**  
**RUNNERS-1000**

LEAGUE MATCHES  
**08/12/22**

FINALS  
**09/12/22**

VENUE  
**HOCKEY GROUND**

@eie\_kct  
 @eie\_kct

# Leadership Council



Samritha S



Guhan K

## Leadership Council Investiture Ceremony 2023

The Leadership Council Investiture Ceremony 2023 took place on October 27 at the prestigious Ramanandha Adigalar Auditorium, marking a significant occasion to honor student leadership and achievements. The event celebrated the appointment of outstanding leaders across various departments and verticals, including two exceptional students from the EIE Department. Samritha Sivakumar was inaugurated as the President of the EIE Department, while Guhan K was appointed as the President of the Entrepreneurship Vertical, recognizing their remarkable leadership qualities and commitment to the department's goals. The ceremony was a proud moment for the department, reflecting its dedication to fostering leaders who inspired and contributed positively to the academic community and beyond. Congratulations were extended to Samritha and Guhan for their well-deserved roles, as their efforts promised to leave a lasting impact on the department and institution.



**Decade  
& GAM  
2023**

Global Alumni Meet and Decade Meet for the Batch of 2013, an occasion filled with nostalgia, inspiration, and knowledge sharing. Our cherished alumni returned to their alma mater, reconnecting with faculty members and engaging with current students in meaningful discussions. The highlight of the event was the career guidance session, where alumni shared their professional journeys, industry insights, and valuable advice to help students navigate their own career paths. These interactions provided students with a clearer perspective on various career opportunities and the evolving demands of the industry. The event not only celebrated the achievements of our alumni but also strengthened the bond between the department and its graduates, fostering a sense of community and mutual growth. It was a memorable day that reaffirmed the department's commitment to maintaining lasting relationships with its alumni network.