



KUMARAGURU  
college of technology  
established in 1984



DEPARTMENT OF ELECTRONICS AND  
INSTRUMENTATION

# NEWS LETTER

July 2020 - January 2021

## Department of Electronics and Instrumentation

July 2020 to Jan 2021

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### **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 students for life and work 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 (E&I)**

The Department of Electronics & 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 solutions through collaborative team efforts.

### **MISSION OF THE DEPARTMENT (E&I)**

The Department of Electronics & Instrumentation Engineering (E&I) aims to

- 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

## JC and Principal message – (to refer)

**Anil Kumar K K,**

**HOD message:**



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 studies in US, UK, Germany, and Australia.

### **PROGRAMME EDUCATIONAL OBJECTIVES (PEO)**

**Graduates of B.E (Electronics & Instrumentation Engineering) will**

|                  |   |
|------------------|---|
| <b>PEO<br/>1</b> | <b>Excel in technical and professional career with core competence in automation.</b>                                       |
| <b>PEO<br/>2</b> | <b>Possess the passion for professional development by continuous learning in allied Engineering and Management fields.</b> |

|                  |  |
|------------------|--|
| <b>PEO<br/>3</b> | <b>Engage in resolving industrial and social issues using contemporary tools.</b>                            |
| <b>PEO<br/>4</b> | <b>Exhibit professionalism and ethical attitude towards resolving automation issues to society at large.</b> |

### **PROGRAMME OUTCOMES**

Graduates of B.E (Electronics & Instrumentation Engineering) will be able to:

|                 |   |
|-----------------|---|
| <b>PO<br/>1</b> | <b>Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.</b>  |
| <b>PO<br/>2</b> | <b>Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.</b>   |
| <b>PO<br/>3</b> | <b>Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.</b> |
| <b>PO<br/>4</b> | <b>Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.</b>   |
| <b>PO<br/>5</b> | <b>Create, select, and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.</b>   |

|                  |   |
|------------------|---|
| <b>PO<br/>6</b>  | <b>Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.</b>  |
| <b>PO<br/>7</b>  | <b>Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.</b>  |
| <b>PO<br/>8</b>  | <b>Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.</b>   |
| <b>PO<br/>9</b>  | <b>Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.</b>  |
| <b>PO<br/>10</b> | <b>Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.</b> |
| <b>PO<br/>11</b> | <b>Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.</b>  |
| <b>PO<br/>12</b> | <b>Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.</b>  |

### **PROGRAMME SPECIFIC OUTCOMES**

Graduates of B.E (Electronics and Instrumentation Engineering) will be able to:

|                  |   |
|------------------|---|
| <b>PSO<br/>1</b> | <b>Develop, analyse and calibrate Instruments and electronic systems for various real world applications adhering to ISA ethical codes.</b>   |
| <b>PSO<br/>2</b> | <b>Integrate programmable logic controllers (PLC), distributed control systems (DCS) for manufacturing and processing systems and also gain proficiency in relevant software tools.</b> |

## **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, KCT-FLUKE 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 a significant role in enriching the quality of the curriculum.

## **Department Association activities:**

### **2<sup>nd</sup> year inauguration program**

A 2-day immersion program for the 2<sup>nd</sup> years to welcome them into the family of electronics and instrumentation department was organized on 30.08.2020 and 31.08.2020 via MS Teams. On the day 1 of the immersion program the introductory session gave a clear view about the

department faculties, activities, achievements, accreditation and facilities to the 2<sup>nd</sup> years. A small task of submitting the screenshots of a personality test and carrier matching clusters was given to the students to let them know more about themselves and to find their area of interest. On the day 2 of the immersion program students were asked to write a letter to their future self. An interactive session and a workshop with alumni was conducted. The two alumni shared their work experience, the importance of internships and gave their insights about building a proper resume. The students made the Q&A session lively.

## Ideathon for 2<sup>nd</sup> year

The Ideathon contest for the 2<sup>nd</sup> years was organised on 31.08.2020. the students divided themselves into a team of 6 members and prepared a presentation. The came up with solutions to different problem statements, its impacts and the difficulties faced were included in their presentations and everyone participated in it enthusiastically.

## Engineers day celebration

As a tribute to Sir M. Visvesvaraya, his birthday is celebrated as “Engineers Day”. With a new normal and new possibilities our department association has made some ways to unlock knowledge by locking ignorance of our family.

This engineer’s day we have connections, puzzle, live group discussions on various real time topics to play around via MS Teams on 15<sup>th</sup> Sept, 2020.

The engineering minds came up with their own innovative and supportive ideas for the existing problems. Also, they shared about their problem statements during this pandemic amidst much growing technology. A GD on those were also held and found the solution for it.

Moreover, we can say it was a fun filled and peer learning with lots of interesting information as an engineering perspective is concerned.

### PRIZE WINNERS:

Connection – Adhitya Gopal

The poster is for the 'ENGINEER'S DAY 2020' event, organized by the Department Association of Electronics and Instrumentation. It commemorates the birth anniversary of Sir Vishveshwaralah Moti Bagh. The event is scheduled for Tuesday, 15 Sept 2020, from 3:30 pm to 5:00 pm, and will be held online via MS-TEAMS. The activities listed are: -CONNECTIONS (with a brain icon), -Discussion on Engineering solution to Covid-19 (with a COVID-19 icon), and -Crossword Puzzle (with a crossword puzzle icon). The faculty coordinator is Umesh M V (umesh.mv.eie@kct.ac.in) and the student coordinators are Shobana (9787662086) and Srinithi (8870285702).

#EngineeringForChange

### ENGINEER'S DAY 2020

Department Association of Electronics and Instrumentation

### CUESTA

An event commemorating the birth anniversary of Sir Vishveshwaralah Moti Bagh

Tuesday, 15 Sept 2020 | 3:30 pm to 5:00 pm  
Online platform via MS-TEAMS

- CONNECTIONS
- Discussion on Engineering solution to Covid-19
- Crossword Puzzle

Faculty coordinator: Umesh M V | umesh.mv.eie@kct.ac.in

Student Coordinators: Shobana | 9787662086  
Srinithi | 8870285702



Puzzle – Kaviya

GD – Sridhar

From problems point of view – Balaji and Sabarish

From problem and possible solution – Hyden Paul, Adhitya Gopal

## Impulse vlog contest

Humble, ever-smiling, and one of the most loved person of innocence and intelligence with integrity and principles. Dr. APJ Abdul Kalam is no new name for us. Moreover, it's not just a name but a feeling for everyone. The missile man of India was a man of power, status, knowledge, virtue with dreams and ideas of dreaming very differently. Remembering him on his born day and in the process of indulging into the therapy of inspiration, dreams and development, the department of EIE was much privileged to conduct 'IMPULSE' – a vlog contest and talk sessions.

This day, we celebrate his birth anniversary as the world student's day. In honour of the man who always wished to be remembered as a teacher, our faculties delivered us the experience and determination for talents through the session. It made us thoughtful on life, carrier, service and responsibility we have towards our future. Also, Kudos to all for the interest, participation and dedication for the contest.

His immortal legacy on various streams always made a positive impact for our future. Thus from his saying "Our efforts should give wings to the fire in us and fill the world with the glow. Also, we must realize that self-respect comes with self-reliance". His life journey gives strength to everyone. Let's keep fighting in the war of life with those strengths.

## Carrier enhancement – alumni talk

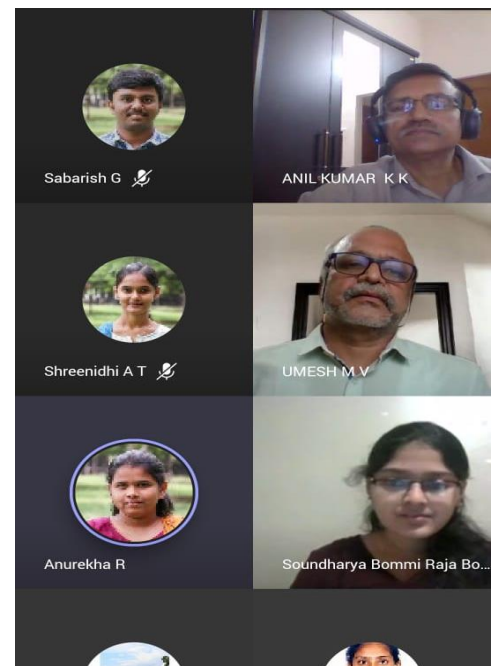
The department association of E&I organized a talk session on 16-Nov-2020, Monday on the topic of Career Enhancement. The resource person was Ms. Soundharya Bommi R, an Alumni from E&I 2019 passed out who is currently doing her masters 2nd year at Carleton,





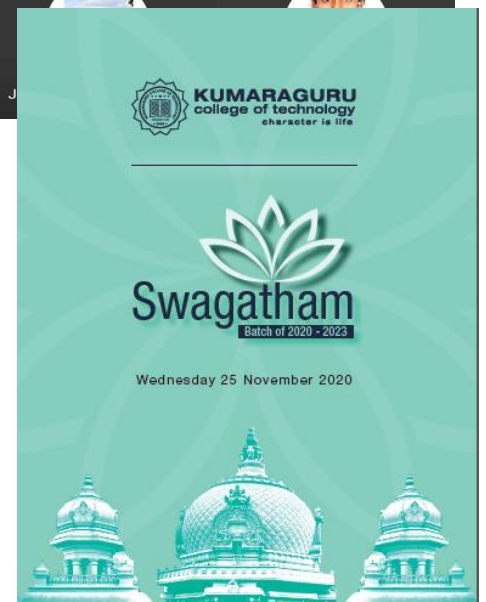
University, Ottawa, Canada. Her major is Electrical and Computer Engineering.

The resource person started sharing her views, thoughts, insights, ideas, suggestions and tips about higher studies, life after graduation, roadmap and a lot more. She also spoke about foreign universities, life abroad, scholarships and investments. Students and Faculty members actively interacted in the Q and A session. She also explained about the scholarships patterns and how it varies from university to university. It was a very clean, basic and informative session with a lot of interactions.



## Enlite lateral swagatham

Electronics & Instrument Engineering ENLITE 2020 is a immersion program for the incoming lateral entries which will familiarize the Lateral Entries with the Kumaraguru's ethos and ecosystem based on the institutional culture and practices and orient them into the higher education system. This is a wonderful opportunity for them to build the personality, improve their attitude and find the passion. This happened on 26th November via MS Teams.



## Freshers Ignite day-9

A clear run through on the department activities, facilities, achievements, faculties, accreditation, department association, etc. was given to the freshers via MS Teams on 05.12.2020. Followed by there was an ice breaking session and some activities to make the freshers more comfortable and bring into the E&I crew.

## 20 things in 2020

To bring in the effectiveness in fun learning, our team planned on having a 20day interesting pitch on tech, games, learning, sharing ideas, writing

with technique, etc, with a great response. The new idea gave a great way to have cool learning.

## Tinkercad

The department association of Mechatronics, EEE and E&I organized a training and competition on tinkercad. The resource person was Mr. Ishthiaq Hussain, a final year student from Mechatronics department. The session was held on 17th Nov 2020 and 21st Nov 2020 on the introduction to tinkercad and a competition in bringing the best ideas for the provided problem statement.

They got introduced to the tools and the procedure and the way to design and play around. In the competition phase, participants brought in wonderful ideas and it was informative peer learning.

The best solution to the problem statement was brought by JAYANANDAN and THENNAVAN and also they were rewarded as a token of encouragement.



The poster for 'Tinkercad Circuits One Day Training & Competition' features logos for Kumaraguru Engineering College, MCE, E&I Department Association, and a circuit board. It details the training session on Tuesday, 17 Nov 2020, and the competition on Saturday, 21 Nov 2020, both from 5:30 pm to 6:30 pm. The resource person is Mr. Ishthiaq Hussain, a final year student in the Mechatronics Department. A registration link is provided: <https://bit.ly/tinkercadkct>. The poster also mentions a chance to win prizes worth 1K and lists coordinators: Dhakshina (70944 63028), KeerthiVaasan (85088 80304), and Sabarash (70103 55347).

**Tinkercad Circuits**  
**One Day Training & Competition**

**Training**  
Tuesday, 17 Nov 2020  
5.30 pm to 6.30 pm  
Session Via MS Teams

**Competition**  
Saturday, 21 Nov 2020  
5.30 pm to 6.30 pm  
Session Via Google Meet

**Resource Person**  
**Ishthiaq Hussain I**  
Final Year,  
Mechatronics Department,  
Kct

Ishthiaq Hussain is young and compassionate tech enthusiast. He started working on tinkercad from his 2<sup>nd</sup> year. Ishthiaq will host a One day Training on HOW TO USE TINKERCAD Circuits on 17th of November.

Following the training, a Competition which is open to all departments on 21st Nov 2020 will be conducted. Competition consists of 2 rounds. The first is a screening round where participants should provide solution for given basic problem statements. The later focuses on developing an innovative idea to solve the problem statement on the given domain.

**Registration Link**  
<https://bit.ly/tinkercadkct>

**Stand a Chance to Win Prizes Worth 1K**

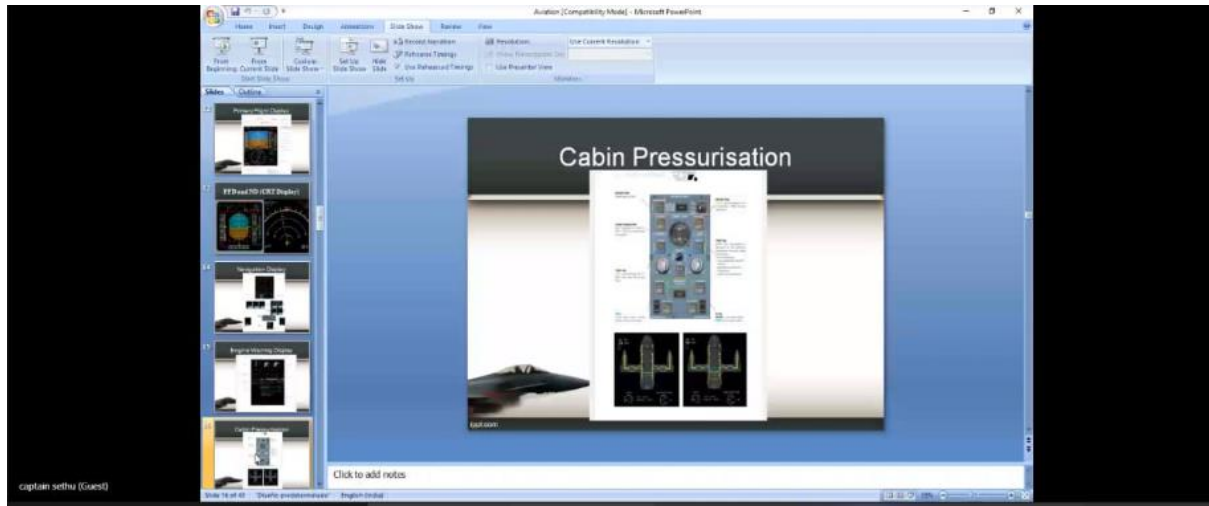
**TINKERCAD**

Coordinators: Dhakshina - 70944 63028 : KeerthiVaasan - 85088 80304 : Sabarash - 70103 55347

## Wright brothers day celebration

The department association of Aeronautical and E&I organized a talk session on 18-Dec-2020, Friday on Instrumentation in Aircraft. The resource person was Mr. Sethunathan, highly experienced and committed educator, Researcher and Commercial Pilot. The resource person shared his insights, ideas on the instrumentation ideology behind the aircrafts. Students and Faculty members actively interacted in the

## Q&A session.



## Students Huddle

the departments of Electronic Science - ECE , EEE, EIE & Mechatronics engineering are proud to conduct the "Students Huddle" session based on the innovative project done by students, Activities of Department Association and Inter & Intra College Events Updates.

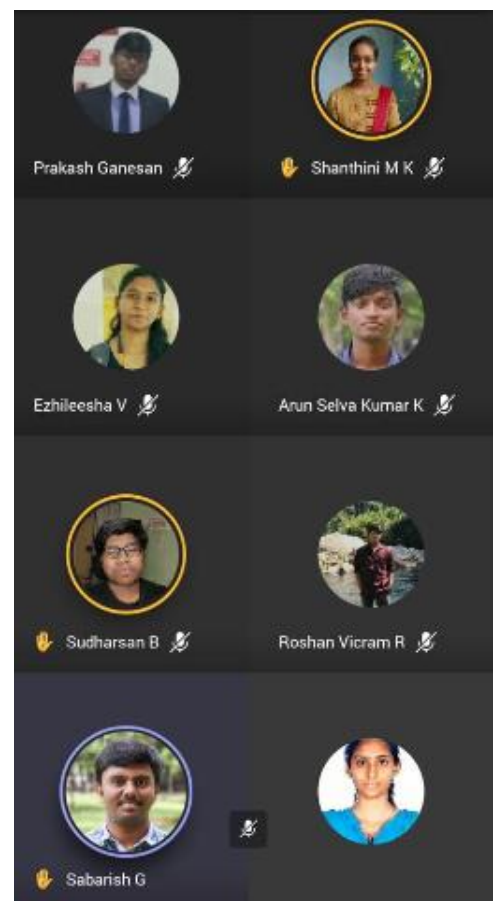
The session was on December 21 on MS Teams.

## Thugs of words war

Tug of Words War a firing talk and debating event by the department of E&I and EEE. The date and mode of event are 23<sup>rd</sup> Dec and MS Teams. We are happy to join hands with the QUBATE Club of KCT to judge and coordinate this online show. Speakers from either department took over the session categorised as Technology for Third years and Social issues for Second years.

Topic:

III: Should all cars be EV in near future? Is it a boon or bane?



Winner: Thejaswin K, EEE ; Runner: Balaji S B, E&I

II: Is it necessary to pass EB bill to agri land?. How does it affect farmers?

Winner: Sudharshan, E&I ; Runner: Roshan Vicram R, EEE



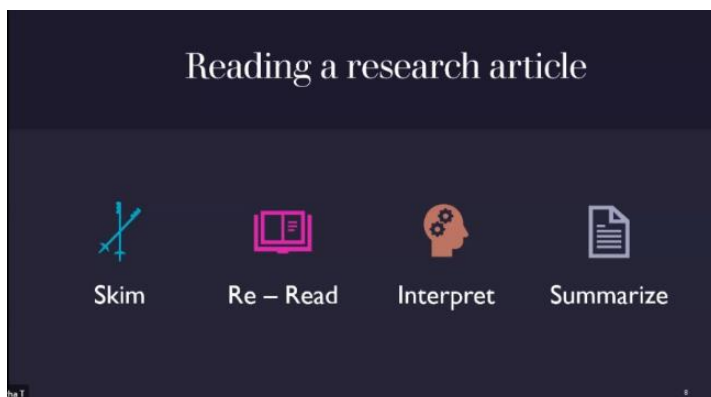
Moderators from Qubate club:

For 2nd year debate, Prakash (the debate is concluded with discussing on the necessity to pass EB bill to agri land and its impact on farmers)

For 3rd year debate Praveen Krishna (Concludes with A concept of sustainability between the discussions and debate with the concepts of GDP, economic growth, environment, power source, cost, etc)



## Research paper publication



The department association of E&I organized a talk session on 11 January 2021, Monday on research paper publication. This happened at 4:00pm through online mode via MS teams. The speaker of the event was Ms.Lokitha(Member of Electric vehicle system in Re').

The resource person shared her thoughts, ideas and procedure on paper publication. With the history of scientific writing, there was the glimpse of how and where to get started. Overall we got brushed up from the start to the end.

## Mesh of Minds:

DATE: 28.01.2021

VENUE: MS Teams

A diversified event with both technical and fun elements was organized by the 2nd years for the freshers of the department of EIE. The freshers were divided into a team of 6 members and a mentor (2nd year student) was allotted to each team. As a team everyone answered for the connections, audio, video questions. A quiz competition with general questions was also conducted in the Quizizz app and all the freshers participated in the event exuberantly.



## STUDENT ARTICLE

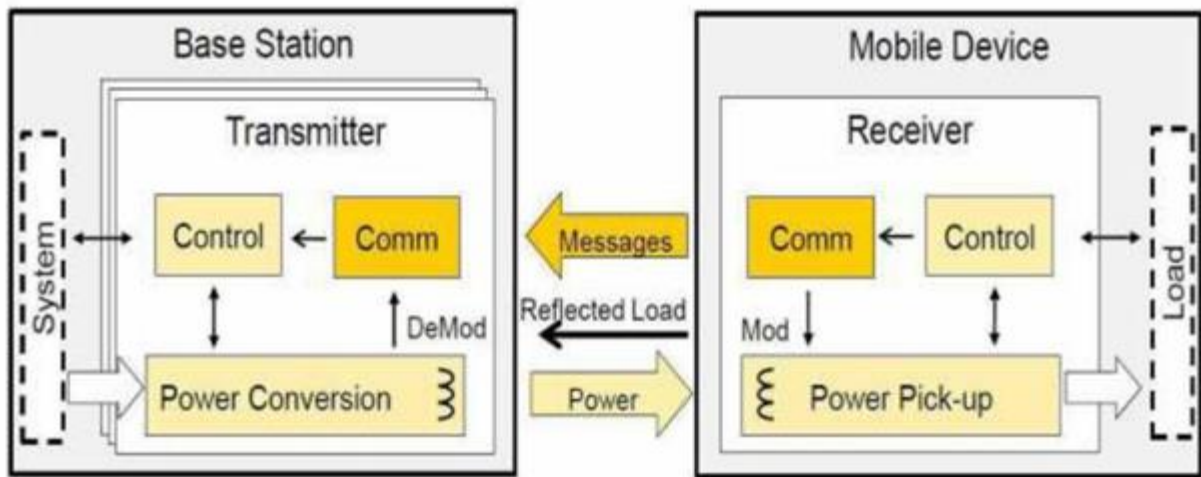
### *Wireless charging for automotive while moving:*



In the modern day we heard of a word wireless charging. It's about transfer for power through the air gap to the electrical devices. In the present wireless charging technique is developed to portable battery powered devices. Now a day the modern electric cars can be done whether parked or moving but most the devices must be left on the charging pad (or) surface.

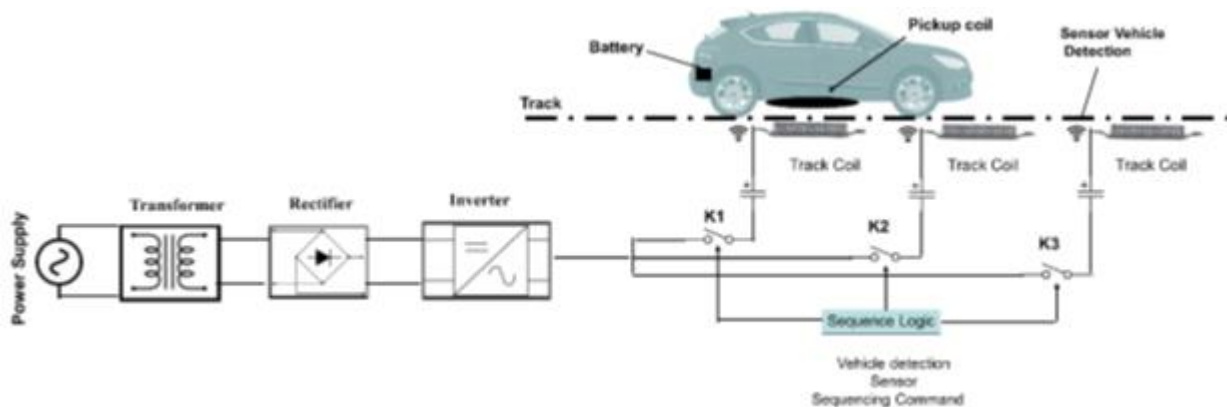
The current wireless charging system the power for the grid (AC) of low frequency is converted to high frequency is then transmitted through transmitter coil and received by the secondary coil





The dynamic charging can solve many major problems such as continuous power transfer, high frequency current controlled inverter, in electric vehicles such as range anxiety, battery size, battery cost

But to provide the dynamic charging there need of series of coil to determine to transfer power to the moving vehicle and a feedback circuit to determine the position of the car with respect to the position of the coil so that we can able to on a particular coil.



**SRIRAM, 4<sup>th</sup> Year**

**Fresher's Insight on KCT**



Change is the routine in our lives. Everyday changes us, every experience and every interaction. College, most definitely is the perfect pedestal that induces a transformation from my school life. And I too was pumped up after joining KCT institution.

My board exams were completed last year amidst the pandemic. After the results, KCT opened the doors for me. The long break after the pandemic made me more excited to taste the college life in KCT. At last colleges were opened but virtually. Being an introvert I was nervous on how to approach college life. But surprisingly it did not take much time to adopt to college atmosphere, since the steps taken by the institution were amazing, the ice breaking session [BRIGADE 2K20], getting to know each student's individual talents, organizing clubs and forums, good response from the teaching staffs and everything kept me engaged. Great thanks to those efforts! As a fresher lots of expectations and dreams overwhelmed me. Lot of thoughts come across my mind. So, from my position I expect the college to guide me to the correct path, making me understand my strengths and weaknesses. My career begins from the college and as a fresher, teaching faculties support is what I am expecting. The efforts taken to know every student's goal and providing a route map from the faculties side will be helpful. I am glad that the interaction with the mentor till the end of my four years will make me understand who I am, what can I do and what I am capable of. And not to forget, the seniors' presence around me will be great. I love to interact and enjoy working with my elders and gaining most of the experience, knowledge and beautiful memories with them. I expect my brothers and sisters to keep motivating me because the support from a similar age student will be an amazing experience. And I expect these positive vibes surround me within the college campus making me comfortable for the forthcoming years. And finally passing out in beautiful colours which I am not worried about, as this institution is known for producing great engineering graduates every year. Awaiting for those beautiful days to blossom!

**ALUMNI ARTICLE'S**





Hi, this is Aditya Gopal R, graduate of Batch of 2020 working at Robert Bosch Engineering and Business Solutions as an Associate Software Engineer.

Entered this college as a lanky teenager with no precise goal and here I end up in a Core Industry Job and a capable Quizzer. The

paths we come through these 4 years are the basic trial versions one mustn't skip as this controlled environment helps you to try everything and fall with a cushion. My entry into EIE was just due to the Physics in it and made me more interested in Sensors and Control Engineering.

This place is a little incubation to know everything and choose the right path. Hope everyone does what they love and even if not do what is given to you at the fullest potential. All the best for Paving your own path.

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LinkedIn: <https://www.linkedin.com/in/aditya-gopal-r-74aa4614b>



Describing KCT in a single word is nearly impossible, We can add numerous adjectives before it to describe, but none will do justice. To me KCT is a word of its own, "Majestic, Unique , Special" with its own distinctive standard, novel Meaning and abundant quality.

The journey as a whole is memorable, To be specific - It was quite emotional during the LC investiture ceremony when my friend asked my parents to stand for

applause, i could see their happy faces letting out that big breathe of relief with a feeling that I have made them proud at last.

I personally don't believe in compliments and I very much welcome constructive criticism. There were few areas I May have excelled in and got some appreciation but it's the criticism where the real learning happened and thanks to all the mentors for shaping me this far.

"Sorry" and "thankyou" will obviously be to my friends for putting up with me this long. I'm very much grateful to have such a huge gang of selfless beings around me all the time. They were the source of positivity all the time.

I sometimes feel that I could have effectively used KCT even more. I always have this little guilt in me for not trying some techs, clubs, etc since I already had my plate full.

I believe that our dreams are endless. Just a Milestone to achieve greater heights can be accomplished and Dream of life is a long way to go.

Many thanks to KCT for the whole bundle of contacts and exposure that helped me transform into a more confident and vibrant person now.

To juniors Find what you want to do and what you are expected to do, try to create an equation between your passion and profession. An attribute that I expect everyone to have is joy and positivity. Happiness is the best makeup and let's all try to put it on every time

Be self-reliant, have the drive, strong will power with proper connection, patience, and integrity will put you there.

## PROGRAMS ORGANIZED BY OUR FACULTIES:

### 1. STTP about Robotic Process Automation - An Industrial Perspective

A national level short term training program on Robotic Process Automation was organized on 25/07/2020 by Dr. M. Ezhilarasi , Dr. P.S. Mayurappriyan, Ms.I. Jeya Dasiy & Ms. V. Manimekalai which nearly had more than 330 participants.

Resource persons:

Mr. Srikanth Gowtham, Senior IT Program Delivery Manager, VFISLK Global Services Pvt. Ltd., Bengaluru

Ms. Soumya P Yadav, RPA Developer, VFISLK Global Services Pvt. Ltd., Bengaluru

Ms. Tanuja Gogineni, RPA Developer, VFISLK Global Services Pvt. Ltd., Bengaluru

2. Webinar on Recent Trends in Calibration Solutions:

A national level webinar about the recent trends in calibration solutions was organized on 28/08/2020 by Dr. P.S. Mayurappriyan, Ms. V. Manimekalai and Mr. S. Saravanakumar. Nearly 130 participants participated in the webinar and got great insights about calibration solutions.

Resource persons:

Ms. Shaila Nadgir, Product Manager -

Electrical,

Mr. Sathyajit Nath, Product Manager  
- Pressure & Temperature, Fluke Technologies Pvt. Ltd.,  
Bengaluru

3. Webinar on Career options after Undergraduation:

A webinar on career options after undergraduation for the students of KCT was organized on 10.10.2020 by Mr. M.Saravanabalaji & Mr.Suresh , Manger, Time Institute. Mr.Jenovar , Faculty of Time Institute was the resource person. More than 65 participants participated in this webinar and gained wide exposure about the career options.

4. Motivational talk during Dr. A.P.J Kalam Birthday Celebration Week:

A motivational talk during DR.A.P.J Abdul Kalam birthday celebration week was organized by Mr.M.V Umesh and Shobana M of final year on 17.10.2020. The resource persons were Dr. M Ezhilarasi, Associate Dean & HoD S&H, KCT and Mr.M.V Umesh, Associate Professor E & I, KCT. They advised and motivated the students of KCT to dream high. Nearly 40 participants attended this talk event.

5. AICTE Sponsored Online One Week STTP\_Phase I - Digitization in Industrial Automation:

DATE: 23/11/2020 to 28/11/2020

A national level AICTE Sponsored short term training program about digitization in industrial automation was organized for 6 days by Dr. M. Ezhilarasi, Dr. K. K. Anil Kumar, Dr. P. S.

Mayurappriyan, Mr. M. V. Umesh and Dr. V. Dinesh Kumar. More than 60 participants participated in this training program to improve their knowledge.

RESOURCE PERSONS:

Mr. Sreekumar P R, Senior Engineer & Technical Trainer - Industrial Automation, Proficient Automation and Controls Pvt. Ltd., Cochin, Dr. KLS Sharma, Principal Consultant at Infosys, Bengaluru, Mr. Manoj B S, Customer Service Division),Yokogawa India Ltd., Bengaluru,

Dr. R. Uthirasamy, Assoicate PProfessor, EEE Department, KPR Institute of Engineering & Technology, Coimbatore, Mr. SR Venkatapathy, Founder & Partner, ParanaV 3V, Bengaluru, Mr. Vinay Avanchi, Founder & Director, IndustriConnect Technologies Private Limited, Bengaluru,

Mr. Ram Kerur and Mr. Prasanna Inamdar, Directors, Sunlux Technologies and Senseops, Bengaluru"

6. AICTE Sponsored Online One Week STTP\_Phase II - Digitization in Industrial Automation:

DATE: 30/11/2020 to 12-05-2020

A national level AICTE Sponsored short term training program phase II about digitization in industrial automation was organized for 6 days by Dr. M. Ezhilarasi, Dr. K. K. Anil Kumar, Dr. P. S. Mayurappriyan, Mr. M. V. Umesh, Dr. V. Dinesh Kumar, Ms. I. Jeya Daisy and Mr. V. Athappan. More than 80 participants attended this 6 day program.

RESOURCE PERSONS:

Mr. Sreekumar P R, Senior Engineer & Technical Trainer - Industrial Automation, Proficient Automation and Controls Pvt. Ltd., Cochin, Dr. KLS Sharma, Principal Consultant at Infosys, Bengaluru, Mr. Manoj B S, Customer Service Division),Yokogawa India Ltd., Bengaluru,

Dr. R. Uthirasamy, Assoicate PProfessor, EEE Department, KPR Institute of Engineering & Technology, Coimbatore, Mr. SR Venkatapathy, Founder & Partner, ParanaV 3V, Bengaluru, Mr. Vinay Avanchi, Founder & Director, IndustriConnect Technologies Private Limited, Bengaluru,

Mr. Ram Kerur and Mr. Prasanna Inamdar, Directors, Sunlux Technologies and Senseops, Bengaluru"

7. AICTE Sponsored Online One Week STTP\_Phase III - Digitization in Industrial Automation:

Date: 07-12-2020 to 12-12-2020

A national level AICTE Sponsored short term training program phase III about digitization in industrial automation was organized for 6 days by Dr. M. Ezhilarasi, Dr. K. K. Anil Kumar, Dr. P. S. Mayurappriyan, Mr. M. V. Umesh, Dr. V. Dinesh Kumar, Ms. V. Manimekalai, Mr. Saravanabalaji. More than 70 participants attended this program and gained knowledge about automation.

RESOURCE PERSONS:

Mr. Sreekumar P R, Senior Engineer & Technical Trainer - Industrial Automation, Proficient Automation and Controls Pvt. Ltd., Cochin, Dr. KLS Sharma, Principal Consultant at Infosys, Bengaluru, Mr. Manoj B S, Customer Service Division), Yokogawa India Ltd., Bengaluru,

Dr. R. Uthirasamy, Associate Professor, EEE Department, KPR Institute of Engineering & Technology, Coimbatore, Mr. SR Venkatapathy, Founder & Partner, ParanaV 3V, Bengaluru, Mr. Vinay Avanchi, Founder & Director, IndustriConnect Technologies Private Limited, Bengaluru,

Mr. Ram Kerur and Mr. Prasanna Inamdar, Directors, Sunlux Technologies and Senseops, Bengaluru"

8. National Symposium on Instrumentation (NSI 42):

DATE: 28/12/2020 and 29/12/2020

A national level conference about instrumentation was organized by Dr. M. Ezhilarasi, Dr. K. K. Anil Kumar, Dr. P. S. Mayurappriyan, Mr. M. V. Umesh, Dr. V. Dinesh Kumar, Ms. I. Jeya Daisy, Mr. V. Athappan, Mr. Muthuramalingam, Ms. V. Manimekalai, Mr. Saravanabalaji, Mr. Saravanakumar and Mr. Ranganathan for 2 days. More than 320 participants attended this conference and had a great exposure about instrumentation.

RESOURCE PERSONS:

Prof Sai Siva Gorthi, Hon. General Secretary, Instrument Society of India (ISOI), IISc

Prof S Asokan, President, Instrument Society of India (ISOI), IISc

Shri BS Chauhan, Sc G, IRDE, DRDO, Dehradun

Dr B K Das, OS & Director, IRDE, DRDO, Dehradun

Shri Niraj Bhargava, Sc G, IRDE, DRDO, Dehradun

Dr A K Gupta, Ex Director IRDE, Dehradun

Mr B Prabhakar Rao, GM BEL Machilipatnam

Prof. Satish Patil, SSCU, IISc  
Prof. K P J Reddy, Aerospace Engineering, IISc  
Prof. Anil Prabhakar, Electrical Engineering, IIT Madras  
Prof. Gufran Sayeed Khan, Instrument Design & Development  
Centre, IIT Delhi  
Prof. Tapajyoti Das Gupta, Instrumentation & Applied Physics, IISc  
Dr. Rajesh V. Nair, IIT Ropar  
Prof. Vipul Rastogi, IIT Roorkee  
Prof. Ponpandian, Prof. & Head, Nano Science, Bharathiar  
University

9. FDP - Productivity Enhancement through Personal Excellence:  
DATE: 25/01/2021 to 29/01/2021

A national level faculty development program was organized by  
Mr. M. V. Umesh and Dr.M. Ezhilarsai. More than 100 participants  
attended this program.

RESOURCE PERSONS:

1. Dr.M.Ezhilarasi, Associate Dean & Head  
SFS & HE, Kumaraguru College of Technology, Coimbatore.
2. Mrs Simti Adinarayanan, Anaadi Foundation, Coimbatore
3. Mr.Prakash Seshadri, Heartfulness Institute, Chennai.
4. Mr. Saravana Prabhu Subramaniam  
Art of Living Foundation Chennai, Tamilnadu.
5. Mr. M.K. Anand Heartfulness Institute,  
Chennai.

PROGRAMS ATTENDED BY FACULTIES:

Our faculties have attended more than 220 programs like faculty  
development programs, STCs , Webinars, online courses, conference,  
workshops, short term training programs, seminars and various training  
sessions.

Some of the national and international level programs attended by our  
faculties are:

- 1) International Faculty Developement Program on Cloud Infrastructure  
& Service
- 2) DDR4 Design with HyperLynx® MentorPCB Siemens Business
- 3) Siemens-How to implement digital twin solutions for the  
pharmaceutical industry
- 4) Rockwell Automation Virtual Event
- 5) IET India Digital Conversations Final Episode – 1 Million by 2025:  
Future Technologies Jobs in India – Framework & Action Plan
- 6) Essentials for Blended Learning
- 7) Future of Digital Data Transformation - Lifi

- 8) Workshop on Perspectives and Challenges in Outcome based Research by NIT TRICHY
- 9) Artificial Intelligence and Its Applications
- 10) webinar Instrumentation & Control Engineering Perspective
- 11) Internet of Things, Robotics & Data Science
- 12) Finland Labs -Internet of Things (IOT) Using Amazon AWS-Dept. of Education & Training Development