

- Faculty members publications in reputed journals
- Placement record
- Students activities

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Editor-in-Chief:  
Dr. K. Ramesh, M.E., M.B.A., Ph.D.,  
Professor & Head/ E.E.E.

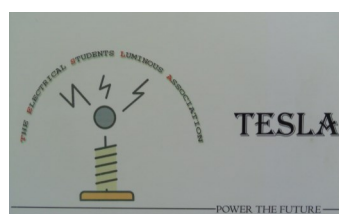


# TESLA

## About the Department

The Department of Electrical and Electronics Engineering is one of the first few disciplines that were started during the year 2002 with a clear vision of developing students as successful professionals with high moral, ethical and social values in the field of electrical and electronics engineering following global standards. The Department running one U.G. program (B. Tech. - Electrical and Electronics Engineering) and one P.G. program (M. Tech. - Power Electronics). The programs are approved by AICTE and affiliated to JNTUA, Ananthapuramu. The Department is recognized as a research center by JNTUA, Ananthapuramu. Department also running one Diploma program (Diploma in Electrical and Electronics Engineering) in second shift.

The Department has dedicated and devoted faculty members and the faculty members are contributing both



### TESLA - Association of Department of E.E.E.

in teaching and research.

The Department has well established laboratories to conduct the experiments for the students in UG and PG level and provided with a research laboratory to carry out the research

work by the full time research scholars. The students are motivated to actively participate in Co-curricular and Extra-curricular activities. The students are allowed to participate actively in Department Association activities and other activities in Institute level to develop their leadership skills and team work. The faculty members and students are motivated to attend the events conducting by the reputed institutions for their empowerment and make them aware of current cutting edge technologies in the field of electrical and electronics engineering. The students are given hands on training after the regular academic working hours in doing real time hardware projects by considering the real time problems associated with the society .

## Vision and Mission of the Department

### Vision

To develop students as successful professionals with high moral, ethical and social values in the field of electrical and electronics engineering following global standards.

### Mission

- ◆ Empowering the students with conventional and cutting edge technologies in the field of electrical and electronics engineering to meet the global challenges.
- ◆ Nurture the research culture and take a lead to develop innovative applications for the betterment of humankind.
- ◆ Impart ethical and moral values among the students in their professional practices.



**Mr. B.C. NAGARAJ, M.B.A.,  
Founder & Chairman**

*"YOUR SUCCESS  
IS OUR DREAM"*

## Chairman's Message

We at Kuppam Engineering College have a vision to impart quality technical education, bring out the hidden skills and abilities of the students with proper discipline. We will provide meaningful education, research and training at all levels to match global standards. Our policy is to mould the students by building confidence in them by imbuing qualities like discipline, dedication and determination.

It is obligatory on our part not only to reach academic

standards as on today but also continuously upgrade them. Finally, it will give us immense pleasure when students graduated from our college are well placed in their careers as opportunities will come knocking at their doors.

The newsletter which is being rolled out today marks the launch of an effervescent activity that would enable the Management to bring out to the eyes of the competi-

tive world, the academic achievements of our prestigious institution. Kuppam Engineering College has grown in leaps and bounds, hurtling across barriers along the way. This has been made possible with the collaborative effort of the Management, the Staff and the Students of EEE Department. I congratulate everyone for their commitment.



**Dr. N. SUNIL RAJ, M.B.B.S.,  
Vice Chairman**

## Vice- Chairman's Message

We at Kuppam Engineering College always strive to achieve excellence in science and technology by imparting quality education with moral values. Along with regular academics we are equally providing training activities, research programs and industry institute interaction. We purely emphasize on entrepreneurship and leadership. Our aim is to produce

young and dynamic leaders who can make their parents and the nation proud.

I am delighted to know that EEE newsletter carrying the Department news and the achievements of our staff and students, who earn credits for the institutions, is being released. On this gracious occasion I wish all the best to those who are responsible for bringing out this letter. On reading this text, it would

definitely be an inspiration and motivation for the other students and staff to perform better and add on their contributions in the forthcoming issues. Congratulations to all the contributors.

## Principal's Message

Dear Students,

It gives me immense pleasure to welcome you all to KEC, an eco-friendly campus that strives with a goal to attain excellence by empowering students with sound knowledge wisdom and experience. Our strength lies in creating pleasant ambience with an excellent infrastructure, qualified and experienced faculty commitment to personal care, moti-

vation to excel in academic, extracurricular activities and continuous interaction with industry

Over the past 17 years the college witnessed a string blend of state of the art infrastructure and dedicated human resource committed to provide professional education with trust on creativity and innovation. The motivating

environment in KEC for knowledge, assimilation, generation and dissimulation with a sense of social responsibility, human values and concern for environment has curved a niche for itself among the best technical institutes.

Be committed with strong determination to learn and reach new horizon, KEC will shape you for a successful and rewarding career.



**Dr. S. Sudhakar Babu, Ph.D.,**  
Principal

***"A desire can change nothing, a decision can change something, but a determination can change everything"***

## HOD's Message

Welcome to the Department of Electrical and Electronics Engineering at Kuppam Engineering College. Department has been started its journey from the year 2002 with B. Tech. program and now it is running with Diploma, B. Tech. — E.E.E., M. Tech. — Power Electronics and holding Recognized Research Centre from JNTUA. The faculty members are well educated and dedicated in their profession and their contribution in past is significant in the students' upliftment.

We strongly believe that educational enrichment is not always possible only through the curriculum. Hence, lot of hands on train-

ing have been arranged for students and faculty members for their technical empowerment with the management support. As a result, students have proved their technical skills in various National/International events and faculty members published their research articles in reputed Journals on the other end. We are looking for the healthy technical competition among our students across global level. Also, various Entrepreneurship events were conducted to motivate them to become an entrepreneur in the area of their interest.



**Mr V. Sekhar M.E., Ph.D., MISTE.,**  
Assoc. Professor & Head

I CAN 

WE CAN 

*“Learning is a never ending process. We (Teachers) are in that process. Teachers must be the first and fast learner than our student.”*

*- Mr.V. Sekhar,  
Editor in Chief*

## Faculty members Publications

### Publications: Journals

1. Dr. V Sekhar “*DESIGN AND ANALYSIS OF EV CHARGING STATION WITH DYNAMIC VOLTAGE CAPABILITY*” Issn: 1309-6591 Volume 12, Issue 8, July 2021: 3660-3668, scopus July 2021

2. Mr. P Kiran Kumar “*ENHANCING THE CAPABILITY OF INTERHARMONICS IN SOLAR FED GRID CONNECTED SYSTEM WITH MPPT MODIFICATION*”, Issn: 1309-6591 Volume 12, Issue 8, July 2021: 3653-3659 scopus July 2021

3. Dr. V Sekhar “*ENHANCING THE CAPABILITY OF INTERHARMONICS IN SOLAR FED GRID CONNECTED SYSTEM WITH MPPT MODIFICATION*” Issn: 1309-6591 Volume 12, Issue 8, July 2021: 3653-3659 scopus July 2021

4. Mr.P.R Rajeev, Balaraju Gari Hemanth, B. Theja, N. Adam Basha, Shubham Kumar, “*FAULT DETECTION IN INDUCTION MOTOR*” International Journal of Advance Research, Ideas and Innovation in Technology, ISSN: 2454-132X Impact Factor: 6.078 (Volume 7, Issue 3 - V7I3-1889) , <https://www.ijariit.com>.

5. Mr. K.S Khaja Hussain, M. Narasimhulu, Sanjay Kumar Jaiswal, Bismin K. S, Devarajulu.S “*INTELLIGENT WIRELESS NOTICE BOARD USING ZIGBEE*” International Journal of Advance Research, Ideas and Innovation in Technology, ISSN: 2454-132X Impact Factor: 6.078 (Volume 7, Issue 3 - V7I3-2134), <https://www.ijariit.com>

6. Mr.M.Seenivasan, R. Kotesesh, M. Vignesh, B Lakshmikanth, Raman. A “*INDUCTOR COUPLED CONVERTER*” international journal of advance research, ideas and innovation in technology, ISSN: 2454-132X Impact Factor: 6.078 (Volume 7, Issue 4 - V7I4-1229), <https://www.ijariit.com>.

7. Mr.K.Swaroop, R. Karthikr, Venkatachalam.R, Y. Mohan, M .C Charanraj, “*KESLA SMART LOCK*” international journal of advance research, ideas and innovation in technology, ISSN: 2454-132X Impact Factor: 6.078 (Volume 7, Issue 4 - V7I4-1209) ,<https://www.ijariit.com>.

8. Mr.V Pandiyan,Venganapalli Sarath Babu, Kurakula Mohan, T .Dinesh, Rahul Raj.K.S, “*INTERACTIVE INVERTER FOR GRID TIED SOLAR POWER GENERATION*” International Journal Of Advance Research, Ideas And Innovation In Technology, ISSN: 2454-132X Impact Factor: 6.078 (Volume 7, Issue 4 - V7I4-1186), <https://www.ijariit.com>

9. Mrs.A. Archana, A. Mounika, Amal Xavier, Gudisa Kullai Reddy, V. Gayathri, “*SMART TRASH PICKING VEHICLE FOR WASTE MANAGEMENT*” International Journal Of Advance Research, Ideas And Innovation In Technology, ISSN: 2454-132X Impact Factor: 6.078 (Volume 7, Issue 3 - V7I3-2124), <https://www.ijariit.com>.

10. Dr.V.Sekhar, M Komal Kumar, Sampangi Karthik Kumar, Ananda Mounika, Sonu Kumar, “*UNIVERSAL LOAD METER*” Design Engineering, (Toronto) 0011-9342 (Scopus), ISSN: 0011-9342 | vol. 2021 Issue: 7 | Pages: 3008-3014. 2021 (SCOPUS)

11. Mr.B. Venu Reddy Kumar, Dr.V. Sekhar, S. Ganesh, Amal Jyothi, Enugonda Manikanth

*“ARDUINO BASED OXYGEN GENERATION” International Journal Of Advance Research, Ideas And Innovation In Technology, ISSN: 2454-132X Impact Factor: 6.078 (Volume 7, Issue 4 - V7I4-1246), <https://www.ijariit.com>.*

12.Mr.s zabiullah”*Efficient Implementation Of PFC Based Hybrid Reverberation PWM To BLDC Drive*”Scopus Issn:1309-6591 Volume 12, Issue 8, July 2021, pp. 3669-3675

13.Dr.V Sekhar *“Sustainable Energy Based On E-Cycle” Web of Science.*  
ISSN NO: 1301-2746 Volume 11, PP: 17-21, Issue 6 June 2022 .

14.Mrs.A.Archana *“Android Based Circuit Breaker ” Web of Science* ISSN NO: 1301-2746 Volume 11, PP: 28-31, Issue 6 June 2022

15.Dr. V Sekhar *“Iot Based Automatic Pill Dispenser” Web of Science.* ISSN NO: 1301-2746 Volume 11, PP: 32-37, Issue 6 June 2022

16.Mr. M Seenivasan *“Forest Guard “Web of Science.”*ISSN NO: 1301-2746 Volume 11, PP: 38-45, Issue 6 June 2022

17.Mr. V Pandiyan *“Vehicle Anti Theft Detection And Control System For Auto Mobiles Using Processing Technique Image” Web of Science* ISSN NO: 1301-2746 Volume 11, PP: 63-67, Issue 6 June 2022

18.Dr. V Sekhar *“NVIDIA Based Smart Attendance System “ Web of Science* ISSN NO: 1301-2746 Volume 11, PP: 82-85, Issue 6 June 2022

19.Mr. K Swaroop *“Autonomous Collision Avoidance Vehicle” Web of Science* ISSN NO: 1301-2746 Volume 11, PP: 53-57, Issue 6 June 2022

20.Mr. K Swaroop *“Smart Traffic Violation Detection&Auto Penalty System”Web of Science.* ISSN NO: 1301-2746 Volume 11, PP: 86-89, Issue 6 June 2022 .

21.Dr. V Sekhar *“Forest Guard” Web of Science.* ISSN NO: 1301-2746 Volume 11, PP: 38-45, Issue 6 June 2022

22.Mr. S. Prabakaran *“Design and Implementation of Automatic Seeding and Pour Water Robot For Agriculture” UGC care journal* Issn:2454-32X, Volume 8, Issue 3 - V8I3-1441, PP: 594-595 June2022

23.Ms G. Dhivya *“A Smart Wearable Device For Child Monitoring And Trackingsystem Using Iot Technology “ UGC care journal* Issn:2454-32X Volume 8, Issue 3 - V8I3-1441, PP: 592-593 June2022

24.Mr. P Kiran Kumar *“Sustainable Energy Based On E-Cycle” Web of Science* ISSN NO: 1301-2746 Volume 11, PP: 17-21, Issue 6 June 2022 .



## Faculty members participation details

- Mr. VELAPPAGARI SEKHAR, Assoc. Professor & HoD. Participated in four days FDP on "LaTeX and its applications" organised by Vidyavardhaka College of Engineering, Mysore from 20/07/2020 to 24/07/2020
- Mr. VELAPPAGARI SEKHAR, Assoc. Professor & HoD. Participated in one day National level Technical Webinar on "MATLAB SIMULINK & ARDUINO INTERFACING" organized by Department of EEE, Kalaivanar N S K College Of Engineering, Therekal-puthooor, Nagercoil - 1 on 04/07/2020
- Mr. VELAPPAGARI SEKHAR, Assoc. Professor & HoD. Participation In One Day Online Faculty Development Programme On Outcome Based Education & Digital Teaching And Learning Organised By "The Internal Quality Assurance Cell", Islamiah College (Autonomous), Vaniyambadi On 14/06/2020
- Mr. VELAPPAGARI SEKHAR, Assoc. Professor & HoD. Participated and secured "S+ Grade" in a one week National Level Online Short Time Training Program on "MATLAB for ALL" organized by the Department of EEE, SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY, Bangalore-562157 during 04th June to 8th June 2020.
- Mr. VELAPPAGARI SEKHAR, Assoc. Professor & HoD. participation in webinar on "Advanced Techniques for energy efficient devices and MATLAB Coding" organised by department of Mechanical Engineering, Shri G. S. Institute of Technology and Science, Indore (M.P.) on 7th June 2020
- Mr. VELAPPAGARI SEKHAR, Assoc. Professor & HoD. Participated in One Week AICTE & ISTE approved Faculty Development Program on "Enhancing Research Capabilities", organized by Society of Materials and Mechanical Engineers (SOMME). from 1st to 5th June, 2020
- Mrs. ZABIULLAH S Assistant professor attended online webinar on "IOT application for Power system & Smart cities ,organized by the Department of Electrical & Electronics Engineering, Annamacharya Institute of Technology & Sciences: tirupati conducted on 15th June 2020
- Mr. ZABIULLAH S, has actively participated in the Webinar on "EMERGING TRENDS IN TRANSFORMER PROTECTION" presented by Mr.S.Linga Karthik, Deputy Manager, EASUN TAP CHANGERS(P) Ltd, Chennai, organized by Department of Electrical and Electronics Engineering of FRANCIS XAVIER ENGINEERING COLLEGE, Tirunelveli on 18.07.2020

## Teaching methodologies adopted

Teaching aids and innovation in teaching methodologies playing vital role in Teaching-Learning process and helps the students to learn the concepts in-depth. In the Department of E.E.E., to conduct the technical quiz, plickers software is used for instantaneous assessment with in the class rooms. It saves time and makes assessment process easy.



Student members of E.E.E. are registered for the Virtual Laboratory. It helps the students to understand the need and way in which doing the experiments as a pre-study before doing the experiments in regular laboratories.



Mr. V. Srimaheswaran, Assistant Professor/E.E.E. has attended IUCEE AP Chapter – IIEECF (IUCEE International Educator Certification program) workshop held on 3-5 August, 2017. Followed by this program, he has worked on the assignments given by the organizers towards the innovation in teaching and its effectiveness in regular class hours. This helps the students to understand the technical concepts easily even it is a time consuming process as compared to regular teaching process.

*“A good teacher can inspire hope, ignite the imagination and instill a love of learning”*  
- Brad Henry



## Students activities

Final year student Mr.NARASIMHULU participated in MOBILE MAKING workshop at kuppam engineering college-kuppam during Feb 2019



*“History has proven that those who dare to imagine the impossible are the ones who break all human limitations. By breaking the limits of their imagination, they changed the world.”*  
- Dr. A.P.J Abdul kalam

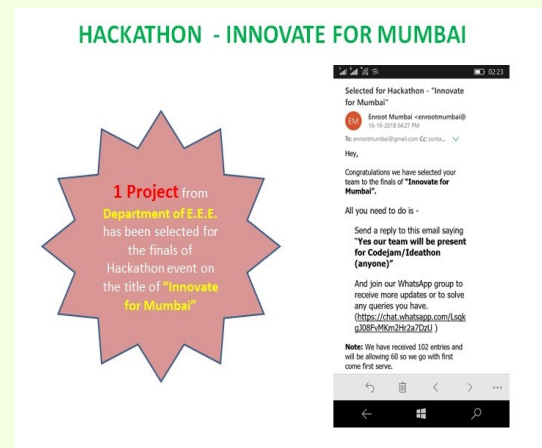
### STUDENTS GOT SECOND PRIZE OF RS. 55,000/- IN STARTUP INDIA BOOT CAMP

Students from final year and third year participated in smart india Hackathon - 2018 at Andhra university, Visakhapatnam. students developed smart drainage cleaning machine named bull walker which can be used to clean the blocked drainages which can be operated by smart phone. Bull walker won second prize worth 55000 rupees in the competition.



### SELECTED FOR THE FINALS OF HACKATHON EVENT

1 Project from Department of E.E.E. has been selected for the finals of Hackathon event on the title of “Innovate for Mumbai”





## SEMIFINALIST IN SMART INDIA HACKATHON 2018-SMART LIGHTNING SYSTEM FOR FOUR WHEELERS

Ghana bheri was held at tirupati where semifinalist of smart india hackathon exhibited their prototype of smart lightning sytem for four wheelers . The description of prototype is when the head lamps of vehicles are suddenly failed to work the alterna-tive lamp in the design replaces the defective lamp automatically so that four wheelers are safely



Students explaining smart lightning system to Ex CM chandrababu naidu

driven during night time. The entire system is controlled by Ar-duino board to replace new lamp in the place of defective lamp

## SMART INDIA HACKATHON 2018 FAINALIST SMART DRAINAGE CLEANING SYSTEM

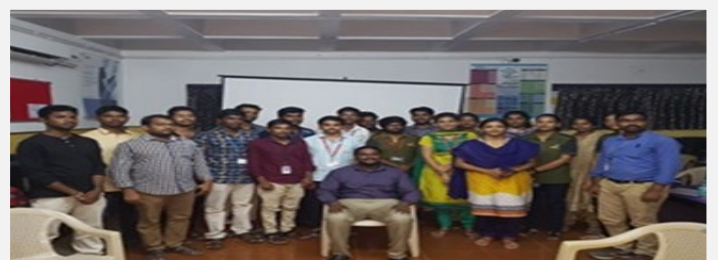
Smart drainage cleaning system selected and presented in final round of smart India Hackathon 2018 event at NIT, Trichy. Kuppam engineering college is the only college shortlisted from An-dhra Pradesh under waste management scheme in national level. students got third prize for bull walker in

the final round. NIT director Dr. Mnishani Thomas, NIT Dean Mr.Samson Mathus and Dalmia cements CEO Mr. RA Krishna presented the prize for students.



## FINALIST IN INDUSTRIAL IOT COMPETITION CONDUCTED BY APITA & NATIONAL INSINSTRUMENTS

Two projects from EEE are selected and reached the final level of selection process in Industrial IOT competition conducted by APITA and National Instruments. Project components and training are given by national instru-ments to the selected stu-dents.



Finalists in industrial IOT competition

## INDIA INNOVATION CHALLENGE DESIGN CONTEST 2018



In INDIA INNOVATION CHALLENGE Design Contest 2018 Organized by DST & TEXAS Instruments, three projects from EEE department have been shortlisted and are in next level of review process.



Climate change is destroying our path to sustainability. Ours is a world of looming challenges and increasingly limited resources. Sustainable development offer the best chance to adjust our course.

## “SMART DRAINAGE CLEANING SYSTEM” SHORTLISTED FOR ACCENTURE INNOVATION CHALLENGE



Project titled “Smart Drainage Cleaning Systems” has been shortlisted for Accenture innovation challenge and is in Progress for review

## TWO PROJECTS FROM DEPARTMENT OF EEE SHORTLISTED FOR CARBON ZERO CHALLENGE CONDUCTED BY IIT MADRAS

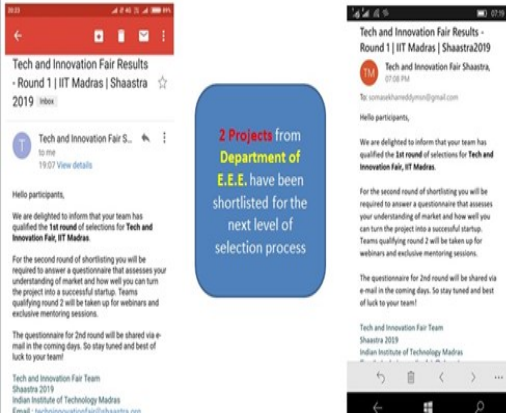
Two projects from EEE department “smart drainage system” and “Multi purpose harvesting machine” were shortlisted for carbon zero challenge conducted by iit madras



## TWO PROJECTS SELECTED FOR TECH AND INNOVATION FAIR – SHAASTRA

### TECH AND INNOVATION FAIR – SHAASTRA 2019

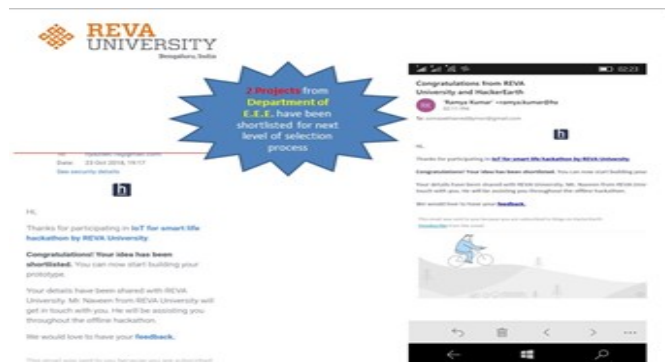
conducted by IIT Madras



Two projects from department of EEE have been shortlisted for tech and innovation fair conducted by iit madras

## TWO PROJECTS FROM DEPARTMENT OF E.E.E. HAVE BEEN SHORTLISTED IN REVA UNIVERSITY, BANGALORE

Two projects from department of EEE have been shortlisted in REVA university, Bangalore. In the competition on IoT for smart life hackathon on smart life hackathon





“Leadership is not about a title or a designation. It's about impact, influence and inspiration. Impact involves getting results, influence is about spreading the passion you have for your work, and you have to inspire teammates and customers”

-Robin S. Sharma

## Department events

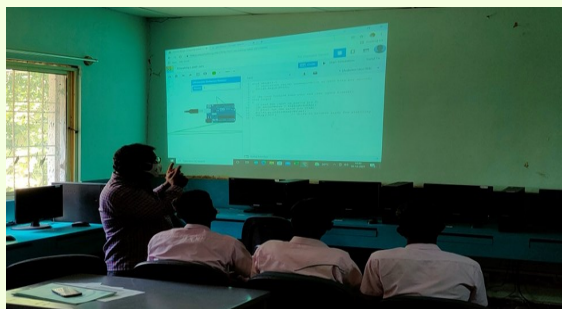
### Solar power system design and installation on December 3rd to 7th 2021

- A Five-Day Workshop on “Solar power system design and installation” has been organized by the Department of E.E.E. for the B. Tech. final year students from Dec 3rd to Dec 7th 2021 by Mr. V.Manoj kumar, Managing director, NIRE SOLUTIONS and Mr. R.ELAVARASAN, Managing director Pranav Solutions. Are invited as resource persons. During this program, the basic design and installation, has been given and covered the following topics for practice. Objective of the workshop and benefits Photovoltaic effects, principles, Solar cells, panels and array of panels, Series and parallel effects on solar power system. Hybrid solar system, Grid-tied solar system, Classification on solar power system for applications. Net metering and its purpose, Video shows on solar fundamentals, components and applications

Installation methods of solar PV power system, Solar installation facts, Site survey, shadow analysis, tilt angle importance, PV and BOS installation parameters, Electrical wiring and circuiting, module inter-connection and assembly, system mechanical installation, Connection between modules and batteries through solar inverter



## FIVE DAYS WORKSHOP ON AURDINO



A Five-Day Workshop on “AURDINO” has been organized by the Department of E.E.E. for the B. Tech. final year students from Dec 8<sup>th</sup> to Dec 14<sup>th</sup> 2021(excluding govt.holidays) by Mr. M.Bharath Kumar, APSSDC- Siemens, Electronics trainer cum Centre Incharge. Are invited as resource person, During this program, they explained about AURDINO.

Objective of the workshop Introduction to AURDINO UNO, aurdino programming commands on Serial monitor, Digital write, Digital read, Analog write, Analog read Delay,if/else and different variable declaration, Different sensors, interfacing sensors with aurdino and mini projects using soil moisture sensor, ultrasonic sensor and GAS sensor.



## Siemens training on Electronics Home Jan 20-25,2020

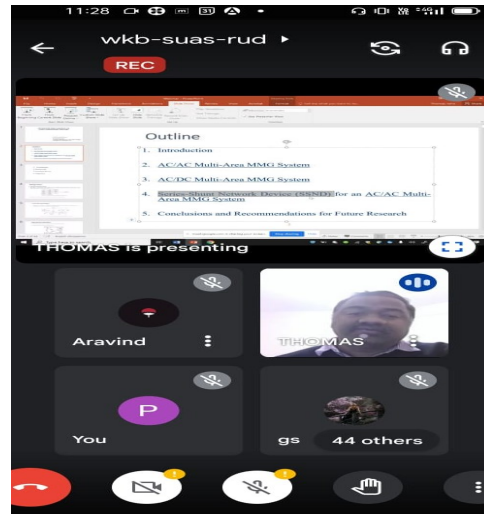


Siemens training on Electronics Home has been arranged for the students of III Year B.Tech. - E.E.E.on Jan 20-25, 2020. The trainers from the APSSDC given training on basic electrical and electronic components. This one-week training is the basic level training and the same set of students will undergo two more sets of training





## OPERATION & CONTROL OF MULTI-MICRO GRID SYSTEMS

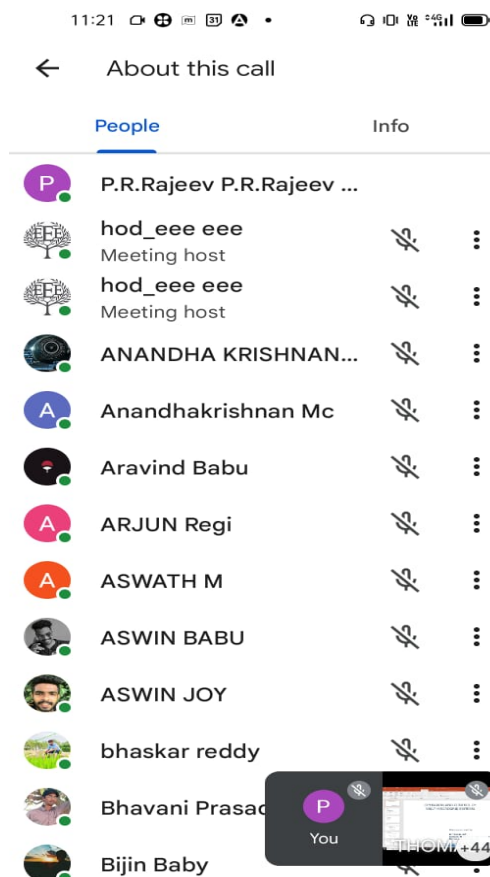


A one-Day national level webinar on “Operation & Control of Multi-Micro grid Systems”

Has been organized by the Department of E.E.E. for the B. Tech. final year students on Dec 20<sup>th</sup> 2021 by Mr. Dr Thomas John (PhD, Postdoc), Lecturer, Blackpool & the Fylde College, Fleetwood, Lancashire, UK ,

There has been a widespread deployment of micro grids around the world in recent years. Micro grids form a local area power distribution system with distributed generations, energy storage systems and controllable loads. The next stage of innovation in the field of micro grid systems is the interconnection of several AC and DC micro grid systems spread over large geographical distances to form multi-area multi-micro grid (MMG) systems, which will satisfy the ever increasing global energy demands. There are several benefits associated with these MMG systems such as improved reliability and security of power supply, mutual power sharing and reduced investment in new generating capacity. For the effective operation and control of these MMG systems during different modes of operation, effective methods of power, voltage, current and frequency controls are essential. These methods

“The only source of knowledge is experiencing”



## ONE WEEK WORK SHOP ON “ INDUSTRIAL AUTOMATION WITH PLC”

Programmable Logic Controllers (PLCs) are small industrial computers with modular components designed to automate customized control processes. PLCs are often used in factories and industrial plants to control motors, pumps, lights, fans, circuit breakers and other machinery. Automation is set to disrupt almost every area and process, including equipment communications, maintenance and repairs, and production. There's a reason why the global market for PLCs stands at \$16 billion a year, growing annually at 9.2%. Their robust design, low costs, and simplicity in the face of complex integrations make them a fundamental component in manufacturing. Without PLCs, many businesses wouldn't be able to support the implementation of new control technology. For now, PLCs continue to remain integral to the digital transformation Industry 4.0 promises to make. APSSDC is offering an “Industrial Automation with PLC Program” so that the faculty/students across engineering colleges in the state of Andhra Pradesh gain Industrial Automation with PLC knowledge.





## Placement Details

Final year students of Department of E.E.E. admitted in the batch 2019-2020 have attended the several training activities arranged by the Career Development Cell (CDC) of Kuppam Engineering College.

During the tenure on final year studies, almost 96% of students got placed in various companies like

Wind care, Aliens group, Jaro group, alturist, mad-elephant.



### WIPRO

G.S MAMATHA  
ANADAKRISNAN .M.C  
BHASKAR REDDY.S  
V.ASHOK

### INFOSYS

K.VELU  
BHASKAR REDDY.S  
V.ASHOK  
G.S MAMATHA

### JBM NEEL

C.RAGHUVARAN  
S.PAVANKUMAR  
E.RAJASEKHAR NAIK  
G.NAVEENKUMAR  
K.M.M.BHAVANIPRASAD  
R.NITHISH  
SHAIK AKBAR BASHA  
M.MADAVAN  
P.GUNASEKHARAN

### HCL

V.ASHOK

### PALLE TECH

S.PAVANKUMAR

### Q SPIDERS

K.VASU  
SHAIK AKBAR BASHA

### MITSUBA

E.RAJASEKHAR NAIK  
K.M.M.BHAVANIPRASAD  
SHAIK AKBAR BASHA  
M.MADAVAN

### CODNEST

G.VAMSI KRISHNA  
R.NITHISH

**"CHOOSE A JOB YOU**

**LOVE**

and you will never have to work a day.

**IN YOUR LIFE"**

-Confucius

## Students Project Work

Department of E.E.E. having a separate Project Laboratory in its infrastructure and is utilized by the students to carry out the projects other than the regular curriculum. This one created the platform for the students of E.E.E. for their technical empowerment. They did some real time projects based on 555 timer, Arduino controller. This kind of activities helping the students to understand the theory courses in depth.

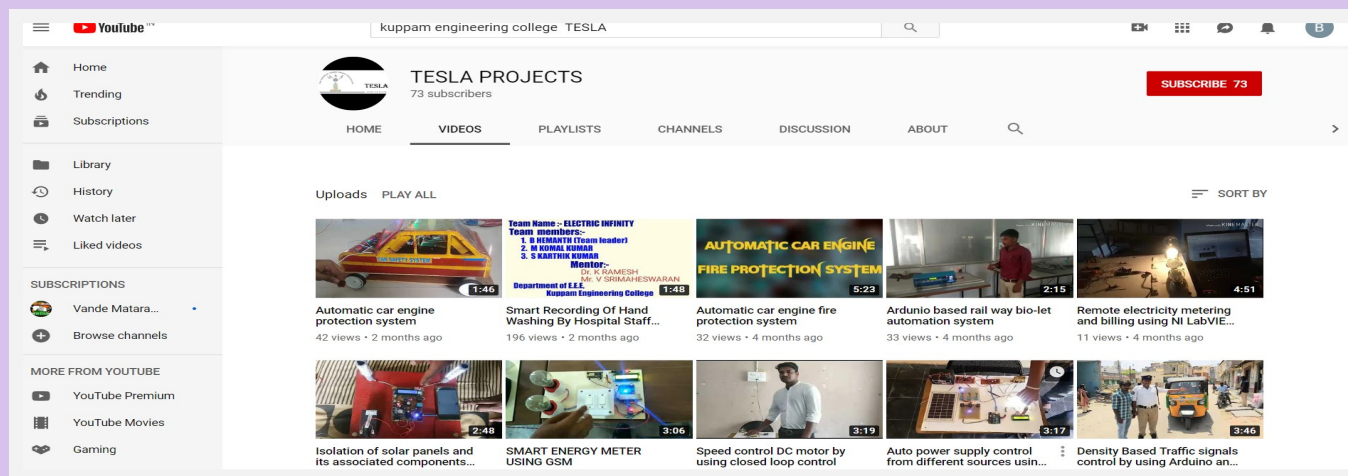
### YouTube Channel: Tesla Projects

Other than regular project work available in the curriculum, students are entertained to come forward in implementing their idea in hardware form. Faculty members and Head of the Department continuously encouraging the students to participate in the competitions conducted at National/ International level.

Faculty members helping the students to complete all the projects in campus itself. In this regard, Mr. V. Srimaheswaran, Assistant Professor given hands-on hardware training to the students after college regular working hours. Separate YouTube channel has been opened to upload their completed projects.

This time students have submitted their ideas for the Smart India Hackathon 2018 event conducted by AICTE and MHRD and waiting for the results.

***"I have not failed. I've just found 10,000 ways that won't work."***  
- Thomas Edison





## Program Outcomes

The graduates of Electrical and Electronics Engineering program are able to

**PO.1 Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

**PO.2 Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

**PO.3 Design/development of solutions:** 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.

**PO.4 Conduct investigations of complex problems:** 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.

**PO.5 Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

**PO.6 The engineer and society:** 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.

**PO.7 Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

**PO.8 Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

**PO.9 Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

**PO.10 Communication:** 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.

**PO.11 Project management and finance:** 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.

**PO.12 Life-long learning:** 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.



## Program Specific Outcomes

The graduates of Electrical and Electronics Engineering program are able to

PSO 1: An ability to understand the basic concept and practical application in Electrical and Electronics Engineering and apply them to various domain like Electrical Utility Industries, Electrical and electronics manufacturing industries in the design and implementation process.

PSO 2: An ability to solve complex electrical and electronics technological problems, using latest tools, along with analytical skills to arrive at cost effective and appropriate solutions.

## DEPARTMENT OF E.E.E. - A TECHNICAL HOME AWAY FROM HOME



### Kuppam Engineering College

Department of  
Electrical and Electronics Engineering

#### For Admissions Contact:

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#### B.Tech. (Electrical and Electronics Engineering)

- ◆ Electrical Machines Lab.
- ◆ Control Systems Lab.
- ◆ Electrical Measurements Lab.
- ◆ Power Electronics Lab.
- ◆ Networks Lab.
- ◆ Electrical Simulation Lab.

#### M.Tech. (Power Electronics)

- ◆ Machine and Power System Lab.
- ◆ Simulation Lab.

#### Doctoral Program

- ◆ Simulation Lab.

Separate  
Project Laboratory  
is available for  
Students'  
hands-on training

Looking always for 100%  
Success & No compromise  
on Professional Ethics

