

- 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.



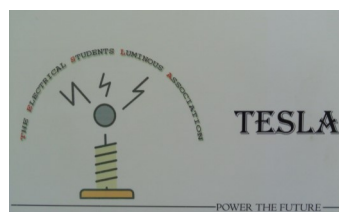
TESLA

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

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.



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

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 "Hybrid Electric Vehicle Design And Simulation Performance Using Isolated DC to DC Converter Based MFO Algorithm" IOP Conference Series: Materials Science And Engineering Issn:1757-899X Volume 1272, Issue 012003, pp. 1-8 , **scopus** Dec 2022

2.Dr. V Sekhar "A cascaded multilevel inverter design based harmonic optimization using TLBO Algorithm for wind energy system " IOP Conference Series: Materials Science And Engineering Issn:1757-899X ,Volume 1272, Issue 012002, pp. 1-8 , pp. 1-8 , **scopus** Dec 2022

3.Ms. K.Renuka "Hybrid Electric Vehicle Design And Simulation Performance Using Isolated DC to DC Converter Based MFO Algorithm " IOP Conference Series: Materials Science And Engineering Issn:1757-899X , Volume 1272, Iss:1757-899X , pp. 1-8 , **scopus** Dec 2022

4.Mr.P.R Rajeev "AI-Based Solar Fed Single Phase Induction Motor Drive " International Journal of Advance Research, Ideas and Innovation in , International Journal Of Research Ideas And Innovation in Technology(IJARIIT) Issn:2454-132X Volume 09, Issue 2, pp. 245-251,**UGC care journal**, April 2023

5.Mr.V.Pandiyan "AI-Based Solar Fed Single Phase Induction Motor Drive " International Journal of Advance Research, Ideas and Innovation in Technology, Issn:2454-132X Volume 09, Issue 2, pp. 245-251,**UGC care journal**, April 2023

6. Mrs.A.Archana "Pedelec-Power Assist Bicycle " International Journal Of Research Ideas And Innovation in Technology(IJARIIT) Issn:2454-132X ,Volume 09, Issue 2, pp. 239-244 ,UGC care journal, April 2023

Faculty members participation details

- **Mr. M. SEENIVASAN, Assistant Professor** Participated in one day Conference on “ MATERIALS, COMPUTING & COMMUNICATION TECHNOLOGIES ” organised by ANNAI VAILANKANNI COLLEGE OF ENGINEERING on 20/06/2022 .
- **Mr. V. PANDIYAN , Assistant Professor** Participated in one day Conference on “ MATERIALS, COMPUTING & COMMUNICATION TECHNOLOGIES ” organised by ANNAI VAILANKANNI COLLEGE OF ENGINEERING on 20/06/2022 .
- **Mrs. A. ARCHANA , Assistant Professor** Participated in one day Conference on “ MATERIALS, COMPUTING & COMMUNICATION TECHNOLOGIES ” organised by ANNAI VAILANKANNI COLLEGE OF ENGINEERING on 20/06/2022 .
- **Mr. P. KIRAN KUMAR , Assistant Professor** Participated in two days day Conference on “ MATERIALS, COMPUTING & COMMUNICATION TECHNOLOGIES ” organised by A.J. INSTITUTE OF ENGINEERING & TECHNOLOGY, KARNATAKA from 28/07/2022 to 29/07/2022 .
- **Mr. M. SEENIVASAN, Assistant Professor** Participated in two days day Conference on “ MATERIALS, COMPUTING & COMMUNICATION TECHNOLOGIES ” organised by A.J. INSTITUTE OF ENGINEERING & TECHNOLOGY, KARNATAKA from 28/07/2022 to 29/07/2022 .
- **Dr. V SEKHAR, Professor & HOD** Participated in one day Webinar on “ IIC REGIONAL MEET ” organised by AINSTITUTIONS INNOVATION COUNCIL on 16/08/2022 .
- **Mr. M. SEENIVASAN, Assistant Professor** Participated in one week FDP on “ AMAZON WEB SERVICES ” organised by KUPPAM ENGINEERING COLLEGE on 22/08/2022 to 27/08/2022 .
- **Mr. B. VENU REDDY KUMAR , Assistant Professor** Participated in one week FDP on “ AMAZON WEB SERVICES ” organised by KUPPAM ENGINEERING COLLEGE on 22/08/2022 to 27/08/2022 .
- **Mr. V. PANDIYAN , Assistant Professor** Participated in one week FDP on “ AMAZON WEB SERVICES ” organised by KUPPAM ENGINEERING COLLEGE on 22/08/2022 to 27/08/2022 .
- **Mr. T V BALARAMA KRISHNA , Assistant Professor** Participated in one week FDP on “ AMAZON WEB SERVICES ” organised by KUPPAM ENGINEERING COLLEGE on 22/08/2022 to 27/08/2022 .
- **Mrs. A. ARCHANA , Assistant Professor** Participated in one week FDP on “ AMAZON WEB SERVICES ” organised by KUPPAM ENGINEERING COLLEGE on 22/08/2022 to 27/08/2022 .
- **Mr. M. SEENIVASAN , Assistant Professor** Participated in one day Webinar on “ MARKERLESS AUGMENTED REALITY ” organised by ROTARY CLUB OF GLOBAL SCHOLARS(RCGS) on 04/09/2022 .
- **Mr. V. PANDIYAN , Assistant Professor** Participated in one day Webinar on “ MARKERLESS AUGMENTED REALITY ” organised by ROTARY CLUB OF GLOBAL SCHOLARS(RCGS) on 04/09/2022 .
- **Mr. M. SEENIVASAN , Assistant Professor** Participated in one day Webinar on “ GOOGLE DATA STUDIO ” organised by ROTARY CLUB OF GLOBAL SCHOLARS(RCGS) on 07/09/2022 .
- **Mrs. A. ARCHANA , Assistant Professor** Participated in one day Webinar on “ GOOGLE DATA STUDIO ” organised by ROTARY CLUB OF GLOBAL SCHOLARS(RCGS) on 07/09/2022 .
- **Mr. B. VENU REDDY KUMAR , Assistant Professor** Participated in one month Training Program on “ DATASCIENCE 2.0 MASTER CLASS ” organised by APSSDC from 20/09/2022 to 21/10/2022 .
-

Faculty members participation details

- **Mr. B. VENU REDDY KUMAR , Assistant Professor** Participated in five days FDP on “TRENDS & CHALLENGES IN THE DEVELOPMENT OF ELECTRIC VEHICLES & HYBRID ELECTRIC VEHICLES ” organised by LENDI INSTITUTE OF ENGINEERING & TECHNOLOGY from 14/11/2022 to 18/11/2022 .
- **Mr. P. KIRAN KUMAR , Assistant Professor** Participated in four days FDP on “ 21ST CENTURY SKILLS AND TEACHING METHODOLOGIES ” organised by APSCHE from 07/12/2022 to 10/12/2022 .
- **Dr. V SEKHAR , Professor& HOD,** Participated in two days Project Expo on “ ANVESHANA ” organised by AGASTYA INTERNATIONAL FOUNDATION from 30/01/2023 to 31/01/2023 .
- **Mr. M. SEENIVASAN , Assistant Professor** Participated in one day Webinar on “ FUTURE OF ELECTRIC VEHICLES ” organised by ROTARY CLUB OF GLOBAL SCHOLARS(RCGS) on 01/03/2023 .
- **Mr. P. R. RAJEEV , Assistant Professor** Participated in one day Webinar on “ FUTURE OF ELECTRIC VEHICLES ” organised by ROTARY CLUB OF GLOBAL SCHOLARS(RCGS) on 01/03/2023 .
- **Dr. V SEKHAR , Professor& HOD,** Participated in one month Training Program on “ MASTERCLASS ON EV DESIGN USING MATLAB ” organised by APSSDC from 08/02/2023 to 09/03/2023 .
- **Mr. M. SEENIVASAN , Assistant Professor** Participated in one month Training Program on “ MASTERCLASS ON EV DESIGN USING MATLAB ” organised by APSSDC from 08/02/2023 to 09/03/2023 .
- **Mr. P. R. RAJEEV , Assistant Professor** Participated in one month Training Program on “ MASTERCLASS ON EV DESIGN USING MATLAB ” organised by APSSDC from 08/02/2023 to 09/03/2023 .
- **Mr. B. VENU REDDY KUMAR , Assistant Professor** Participated in one month Training Program on “ MASTERCLASS ON EV DESIGN USING MATLAB ” organised by APSSDC from 08/02/2023 to 09/03/2023 .
- **Mr. V. PANDIYAN , Assistant Professor** Participated in one month Training Program on “ MASTERCLASS ON EV DESIGN USING MATLAB ” organised by APSSDC from 08/02/2023 to 09/03/2023 .

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

Second year student B. Reddy Prasad participated technical symposium which is held on 20&21 March 2023 at Govt.college of Engineering, Bargur



"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

Second year student Jayachandra.G won the first prize in the PICTO QUIZ which is held on 20&21 March 2023 at Govt.college of Engineering, Bargur



Third year student Dayasagar.D won the first prize in the TECHNICAL QUIZ which is held on 20&21 March 2023 at Govt.college of Engineering, Bargur



Third year student Dayasagar.D won
the first prize in the PAPER PRESENTA-
TION which is held on 20&21 March 2023
at Govt.college of Engineering, Bargur.





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.

-BON-
KI-MON



Third year student Harish.G participated in Intellectual property rights. which is held on 26 April 2023 at Vinayaka Missions Kirupananda Variar Engineering college, Salem.



Third year student D.Naveen Kumar participated in Digital 101 Journey. which is held on 31 March 2023.



Third year student Ganesh.R participated IP Awareness and Training Program. which is held on 01 April 2023 Under Intellectual property Mission

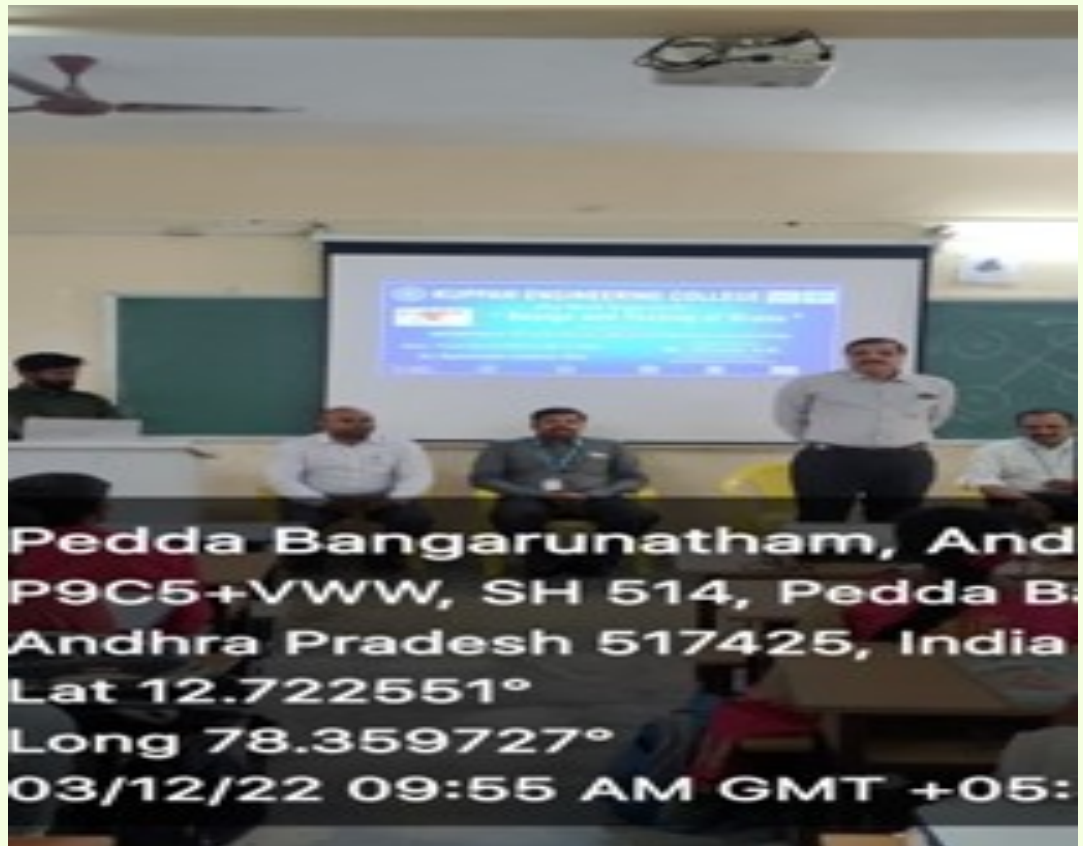
“Leadership is not about a title or a designation. It's about impact, influence and inspiration. Impact involves getting results, influence is about spreading the passion you have for your work, and you have to inspire team-mates and customers”

-Robin S.
Sharma

Department events

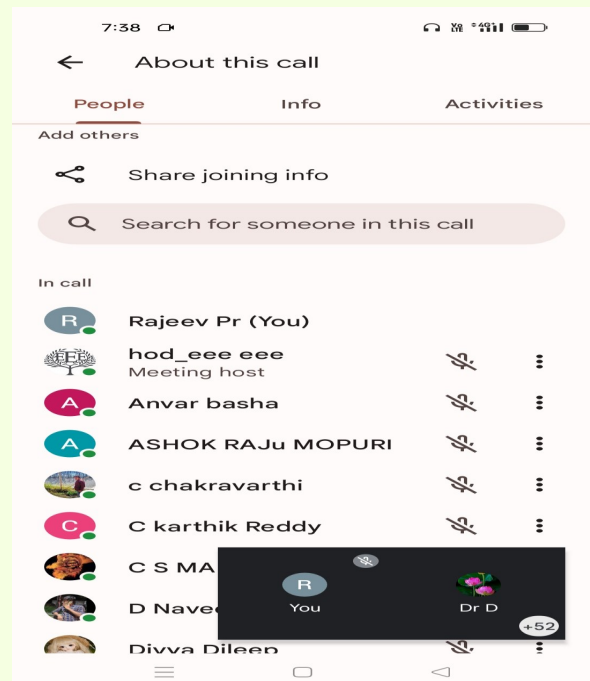
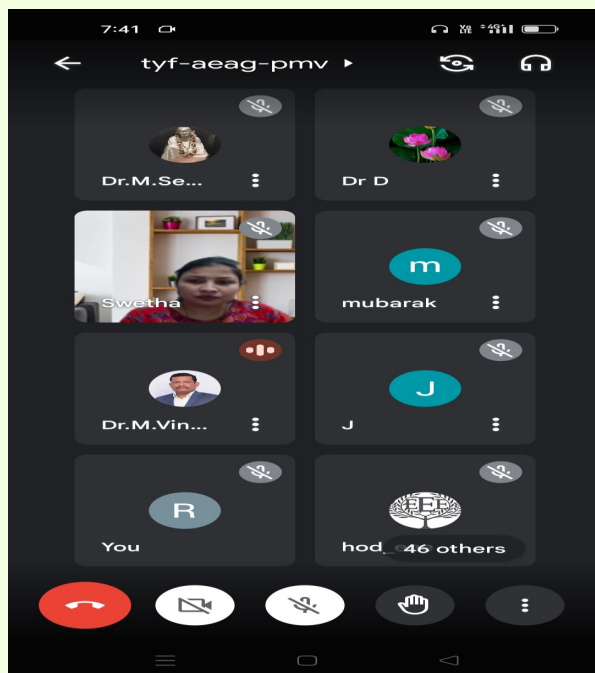
A one week program on “Design and Testing of Drone from 03-12-2022 to 08-12-

A one week program on “Design and Testing of Drone” has been organized by the Department of E.E.E. for the B. Tech. students from 03-12-2021 to 08-12-2022 by Mr. Christo V.G Integration & Testing Engineer, Asteria Aerospace Pvt. Ltd. Bangalore.



A one day webinar on “Future of Electric vehicles”

A One-Day webinar on “Future of Electric Vehicles” has been organized by the Department of E.E.E. for the B. Tech. final year students on 01-03-2023 by Prof. Swetha Shekarappa. G Assistant Professor Dep. of EEE Alliance University, Bangalore.

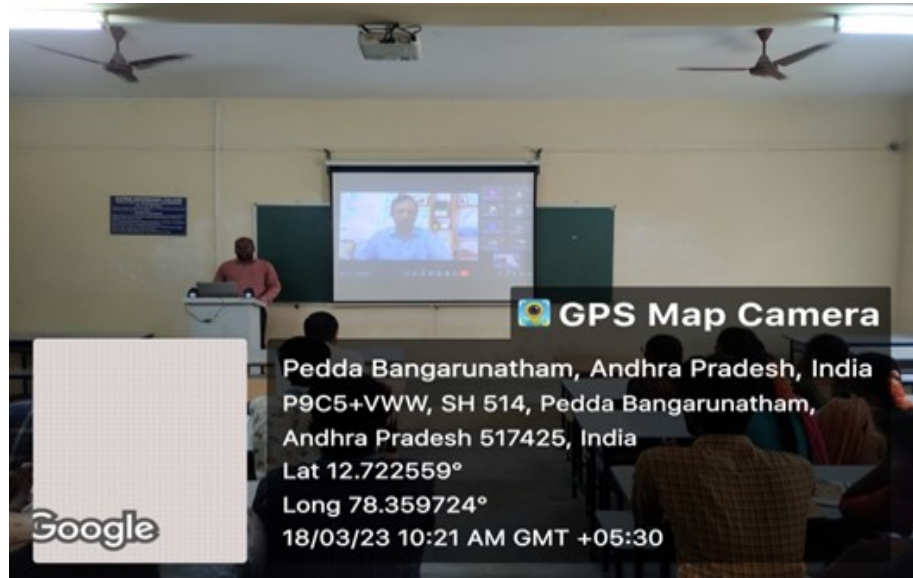


A one day webinar on “Introduction to Design and Drafting using MEP Tools”



A One Day webinar on “Introduction to Design and Drafting using MEP Tools ” has been organized by the Department of E.E.E. for the B. Tech students. on 06-03-2023 by Dr. Syed Moazzam Ali Technical Director, Tiba Engineering Consultants –Tech MEP Institute .

A One Day webinar on “Practical Applications of Artificial Intelligence and Machine Learning in Electrical and Mechanical Engineering”



“The only source
of knowledge is
experiencing”

A One Day webinar on “Practical Applications of Artificial Intelligence and Machine Learning in Electrical and Mechanical Engineering” has been organized by the Department of E.E.E. for the B. Tech students, on 18-03-2023 by Mr. A. M. GovindKumar Vice President/ Zebpay (crypto/ Block chain) Chennai.

Industrial visits

A one day industrial visit was organized for second year EEE for visit to 220/132 KV Substation, Kuppam on 23-05-2022. At the beginning, one of the assistant engineers explained all the essential component of the 220/132KV substation



A one day industrial visit was organized for second year EEE for visit to Ray-gen power private Ltd, dalavayahosahalli (vilg), Bangarapet (taluk), kolar (Dist),karnataka. On 23-05-2022.





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, altrist, mad-elephant.



JUSTDAIL
ASWATH.M
N.SUBRAMANYAM
R.K.THILAK

ALTRUIST TECHNOLOGIES
C.DIVYA
K.HARATHI

UPLUS TECHNOLOGY
C.DIVYA
K.HARATHI

SAVANTIS HCL
R.K.THILAK
S.PRIYANKA

FOCUS EDUMATICS
R.K.THILAK
S.PRIYANKA
C.THARUN KUMAR
N.J.SURENDRA BABU

WHEELS INDIA LTD
R.K.THILAK
N.J.SURENDRA BABU
N.SUBRAMANYAM
R.S.MUBARAK

ALLSET BUSINESS SOLUTION
S.K.VENU
S.THARUN

JSE ENGINEERING
S.PRIYANKA
C.THARUN KUMAR

CONCENTRIX
S.PRIYANKA
C.THARUN KUMAR

"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.

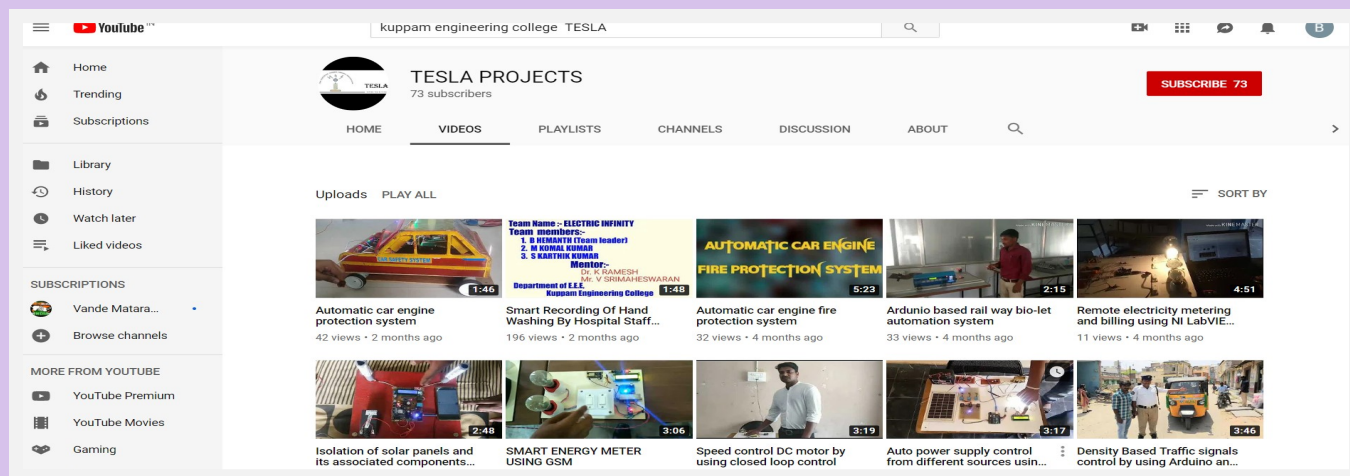
YouTube Channel: Tesla Projects

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:

Mr.V Sekhar M.E., (Ph.D.),
Associate Professor and Head,
Department of E.E.E.,
Kuppam Engineering College,
Kuppam - 517425, Andhra Pradesh.
E-mail: hod_eee@kec.ac.in



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

