MILESTONES

- 1998 – COLLEGE WAS ESTABLISHED IN THE YEAR 1998
- 2002 – EEE DEPARTMENT STARTED UG PROGRAM IN B.E (EEE) WITH AN INTAKE OF 40 SEATS
- 2005 - INCREASE IN INTAKE FOR UG PROGRAM FROM 40 TO 60 SEATS
- 2009 - UG PROGRAM WAS ACCREDITED NBA FOR THREE YEARS (2009 – 2012)
- 2012 - INCREASE IN INTAKE FROM 60 TO 120 SEATS
- 2012 – PG PROGRAM M.E.,(POWER SYSTEMS) STARTED WITH AN INTAKE OF 18 SEATS
- 2013- UG PROGRAM WAS RE-ACCREDITED BY NBA FOR TWO YEARS (2013 – 2015)
- 2013 – APPROVED AS RESEARCH CENTRE BY ANNA UNIVERSITY, CHENNAI
- 2014 – MoU WITH STARCOM AND SETUP OF INDUSTRY SUPPORTED LAB
- 2015- ACCREDITED BY NAAC, BANGALORE WITH 'A' GRADE
- 2016 - OUR COLLEGE OBTAINED 12-B STATUS FROM UGC
- 2016 – RENEWAL OF RESEARCH CENTRE
- 2017 - UG PROGRAM IS RE-ACCREDITED BY NBA FOR THREE YEARS (2017 - 2020)
- 2018 - RENEWAL OF RESEARCH CENTRE , MOU WITH KELTRON, TRIVANDRUM

FOR FURTHER DETAILS, CONTACT

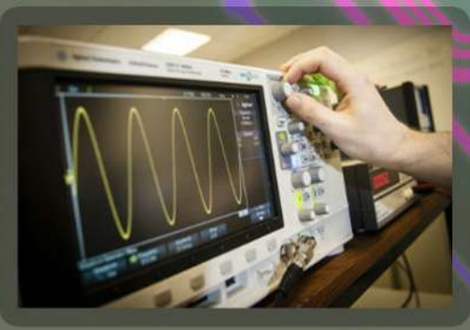
HEAD OF THE DEPARTMENT,
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING,
HTTP://www.kamarajengg.edu.in/eee.php
MAIL ID: hodeee@kamarajengg.edu.in
PHONE : +91 4549 278791 / 278171

KAMARAJ

COLLEGE OF ENGINEERING & TECHNOLOGY

S.P.G. Chidambara Nadar - C. Nagammal Campus,
S.P.G.C. Nagar, K.Vellakulam - 625 701, Near Virudhunagar, Madurai District.

Accredited by NAAC with "A" Grade



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Accredited by NBA, New Delhi

ABOUT THE INSTITUTION

Kamaraj College of Engineering & Technology, a self-financing institution, offers Quality Technical Education for over a decade. This institution has been approved by All India Council for Technical Education (AICTE), New Delhi and affiliated to Anna University, Chennai. Also, this institution has been accredited by NAAC, Bangalore with "A" grade. The college offers ten UG and six PG programmes in Engineering and Technology. The Department of Biotechnology, Polymer Technology, Electrical & Electronics Engg, Electronics and Communication Engg., Mechanical Engg., Physics and Chemistry are recognized as Research Centers by Anna University, Chennai. Our College is recognized as NPTEL study centre with AA rating and awarded as 2 star rated RESOURCE centre for promoting the Spoken Tutorial project-IIT Bombay.

ABOUT THE DEPARTMENT

The Department of Electrical and Electronics Engineering was established in the year 2002. It offers UG program in Electrical and Electronics Engineering with a sanctioned intake of 120. In the year 2012, PG program in Power Systems Engineering was started with an annual intake of 18 seats. The Department of Electrical and Electronics Engineering has been accredited by National Board of Accreditation (NBA), AICTE, and New Delhi in 2008-12 and2013-15. The Department has well qualified, experienced and dedicated team of 25 faculty members with specialization in various fields like Power Systems, Power Electronics & Drives, Control &Instrumentation, High Voltage Engineering, Embedded Systems, Energy Engineering, Applied electronics ,etc. four of our faculty members are doctorates with Ph.D qualification and eleven faculty members are pursuing Ph.D. The Department is recognized as Centre for Research by Anna University, Chennai since Jan 2013 and 4 Research Supervisors, who are guiding 21 research scholars registered in our research centre. Mr. S.Shitharth has sucessfully completed his Ph.D viva voice entitled **"An optimization framework for Intrusion detection in SCADA system"** on 14/5/18. The department promotes research and development in thrust areas like Smart Grid, High voltage engineering, Renewable energy, Industrial Automation, etc.

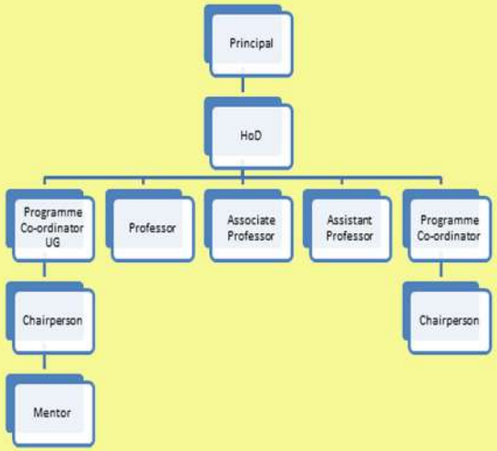
VISION:
"To make the Department of Electrical and Electronics Engineering of this Institution the unique of its kind in the field of Research and Development activities in this part of world".

MISSION:
"To impart highly innovative and technical knowledge in the field of Electrical and Electronics Engineering to the urban and unreachable rural student folks through Total Quality Education".

PROGRAMS OFFERED

B.E. - Electrical and Electronics Engineering
M.E. - Power Systems Engineering
Ph.D. –Doctor of Philosophy (Part time and Full time)

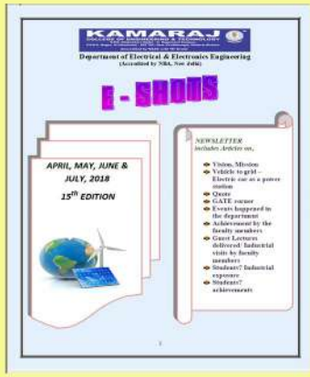
ORGANIZATIONAL STRUCTURE



CLUB ACTIVITIES

Green Energy Club mainly concentrates in creating awareness regarding the importance and methods of Energy Conservation along with its effective utilization. It is the need for a common platform for student come together and turn their concern into action, which brought the Energy Club into existence.
Electronics Club is a hobby group that aims to teach and help students to understand the electronic gadgets in the world today, and also assists our students in developing their own devices.The functions of the club will have Regular meetings, competitions, guest lectures, hands-on training and industrial visits for the club members.

E-SHOTS



The department consistently publishes news letter in the name of 'E-shots', which includes technical articles related to Electrical and Electronics Engineering, Gate corner, Events happened, Faculty and student achievements and Placement details of students.

INFRASTRUCTURE

Power system simulation lab

Control Systems lab

Electronics lab

Electric circuits lab

Electrical machines lab

Microprocessor and Microcontroller lab

Engineering Practices lab

Department libary

Mr.P.V.Aravind Bhaskar, IV Year EEE has won the 2nd Runner Up in "IEEE SS12 2018 International Conference and Maker Fair" held on 8th & 9th September 2018 at NSBM Green University Premises, Colombo, Sri Lanka. He has won a award of 300$ with a Citation.

Mr.B.Arun of IV EEE has shortlisted among 22481 candidates for "HACKATHON 5.0" final during 25.07.18 to 28.07.18 at Government Polytechnic College, Bikaner, Rajasthan.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

PEO 1.TECHNICAL KNOWLEDGE To provide basic knowledge in Physics, Chemistry, Mathematics and necessary foundation in various concepts of Electrical and Electronics Engineering.

PEO 2. PROBLEM SOLVING To impart training to enable the students to envisage the real time problems related to the field of Electrical and Electronics Engineering and allied areas faced by the Industries so as to model, analyze and provide appropriate solutions.

PEO 3. PERSONALITY DEVELOPEMENT To provide an academic environment for the students to develop team spirit, leadership qualities, communication skills and soft skills.

PEO 4. LIFE LONG LEARNING To motivate students to prepare for competitive examinations enabling them to pursue higher studies thereby promoting research and development activities.

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO 1. Ability to design and solve problems in the field of Electrical & Electronics Engineering by applying the knowledge acquired from Circuit & Field theory, Control theory, Electric Power Systems, Analog Electronics & other allied topics.

PSO 2. Ability to understand the recent technological developments in Electrical & Electronics Engineering and develop products/software to cater the Societal & Industrial needs.

PROGRAM OUTCOMES (POs)

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 consequentresponsibilities 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 the 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.

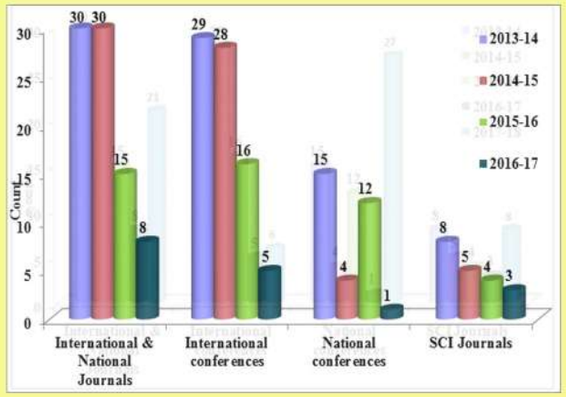
PO 12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

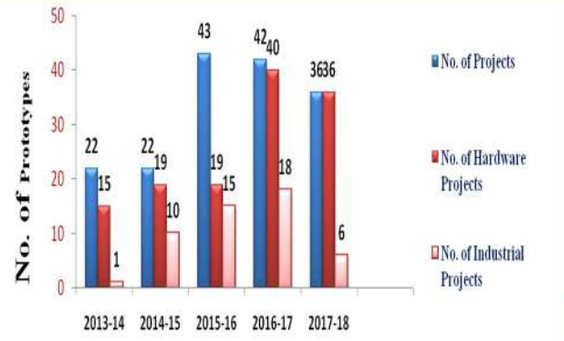
RESEARCH AND DEVELOPMENT ACTIVITIES

Department of Electrical & Electronics Engineering of our institution has been recognized as a Research Center with effect from January 2013. There is a separate software research lab and hardware research lab.

Available Softwares: MATLAB, SCILAB , CYME, ETAP, Power world simulator, PSCAD, SEQUEL, OSCAD etc.

PUBLICATIONS





PROFESSIONAL BODIES/ASSOCIATION

The department of EEE has an exclusive Association called EEE Association which plans and organizes number of technical events every academic year. The professional bodies such as ISTE, IETE are also actively functioning in the department, which organizes technical and non-technical events to bring out the hidden talents of students.

MoUS

Signed MoU with StarCom Information Technology Ltd., Bangalore on 27-11-2014.

- Name of the Laboratory: TEXAS INSTRUMENTS Sponsored Analog Lab.
- Equipment Sponsored: 6 ASLK Pro Kit
  Price Worth: Rs 75000
- Signed MoU with Keltron Limited on 12.3.2018

HIGHLIGHTS OF THE DEPARTMENT

- Teaching the students by video lectures, power point presentations, Apple i-pad, online e-learning tools, etc.
- Consistently producing university rank holders every academic year in both UG and PG.
- EEE students get placed in various companies like Data Patterns, TCS, CTS, Infosys, SMART Training, Accenture, NIOT Chennai, Tessolve, etc.
- Undergone a sponsored project from TNSCST under student project scheme in the area of solar energy.
- Consistently conducting national conferences, Workshops, Technical Colloquium, Faculty Development Programs, seminars with the sponsorship of CSIR and Anna University
- several students undergone industrial projects
- 5 students undergone summer internship at TEDA, United Electronics and Optithought,etc
- Conducting mini project contests for all the II, III & IV students to enhance their practical knowledge.
- Conducting value added courses on MATLAB, E-CAD, SCILAB, GATE coaching, Spoken tutorial workshops, Guest lectures/Workshops/seminars/ symposiums by inviting eminent speakers from reputed institutes for the students under the banner of EEE association and ISTE student chapter.

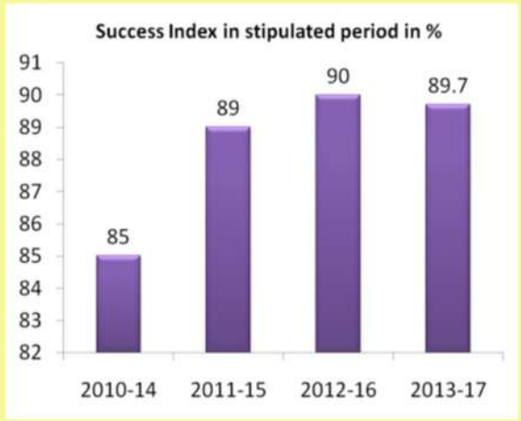
PROGRAMMES ORGANIZED:

The department consistently organizes various workshops, guest lectures, conferences in the field of Power Systems by inviting eminent academic/industry experts and elite professionals are invited to deliver the talk. Some of them are listed below:

- Workshop on 'PCB & Analog circuit design' (In association with Tech Bharat Consulting)
- Workshop on 'Intelligent control'
- Workshop on 'Green Energy Technologies'
- Workshop on 'Discrete Time Systems & Signal Processing'
- Workshop on 'Demonstration of meters'
- Workshop on 'Renewable Energy Sources Using MATLAB'
- Workshop on 'SCILAB'
- Hands on training on 'Autonomous Robot'

The Department also ensures to conduct a National conference on Advanced Technologies in Electrical Engineering by March of every year in recent Technical advancements catering to the need of industry and Technical colloquium EVATAR by August of every year to fulfill the curricular gap.

OUR STUDENTS PERFORMANCE IN ANNA UNIVERSITY EXAM



BATCH	NAME OF THE STUDENT	UNIVERSITY RANK
B.E.-EEE 2013-2017	C.RAJESWARI	25
M.E.- Power Systems 2015-2017	D.SURIYA KUMARI	2
B.E.-EEE 2012-2016 (Out of 15141 Students)	R.V.PRATHIBA	41
B.E.-EEE 2011-2015 (Out of 14842 Students)	M. NAGAJOTHI	30
B.E.-EEE 2010-2014 (Out of 2308 Students)	LAARTHY	2
	P.DIVYAA	6
	S.LAKSHMI PRIYA	8
	S.BALA MURUGAN	23
	M.GAYATHRI	29
	P.RAJA SRI	34
	K.KAVITHA	41
	R.SAMBAVI DEVI	45
B.E.-EEE 2009-2013	D.K. ANGEL KIRUBA PREETHI	23
	J. VINODHINI	28
	P. JOTHIPRIYA	29

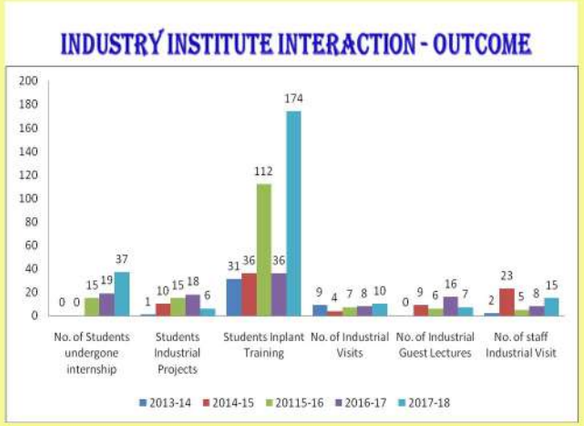
OUR STUDENTS PERFORMANCE IN COMPETITIVE EXAM

CLAD certification		
S. No.	Category	No. of. Students cleared
1	LabVIEW Associate Developer	10
OCJP Certification		
S. No.	Category	No. of. Students cleared
1	OCJP Certification	20 (4 students secured 100%)
NPTEL online certification		
S. No.	Category	No. of. Students cleared
1	Elite & Gold	1
2	Elite	4
3	Successfully completed	55

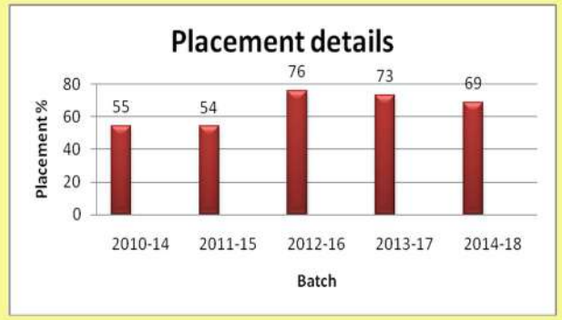
Name of the Student	Name of the Exam	Score	Rank
Ms. R. V. Prathiba	GATE	397	12528
Mr. M. Saravana Kumar	GATE	372	14801
Mr. S. Prasanna	TANCET	85	2
Mr. M. Mahendran	TOEFL	86	-
Mr. P. Gowthaman	IELTS	Band 7	-

III CELL (INDUSTRY INSTITUTE INTERACTION) CELL

The function of the Cell is to promote closer interaction between the academic field and the professional field. The department of EEE at KCET is taking necessary action to promote III cell. Students visit industries in the form of Industrial visit. Some of our students do Internships in industries and engage in industry projects.



PLACEMENT DETAILS



Sl. No	Particulars	2010-14	2011-15	2012-16	2013-17	2014-18
1	Total No. of Eligible Students	44	37	83	90	81
2	No. of students placed	24	20	63	72	69
3	Salary Package High (Rs.)	3,50,000	3,25,000	4,62,000	3,25,000	5,50,000
4	Salary Package – Low (Rs.)	1,89,000	1,98,000	1,20,000	84,000	84,000
5	Salary Package Average (Rs.)	2,69,500	2,61,500	2,60,682	2,04,500	3,17,000
6	No. of Companies	4	7	16	22	14
7	Placement %	54.54	54.05	75.90	80	85.2

LIST OF MAJOR RECRUITERS

amazon
Cognizant Technology Solutions
JASMIN INFOTECH
Mindtree
TATA CONSULTANCY SERVICES
Smart
TESSOLVE
Caliber Interconnects
DATA PATTERNS
SUTHERLAND
solartis
ETHNUS
CHAIN•SYS
ZOHO Work - Online
beehive COMMUNICATIONS
Infosys
Gulf Spic General Trading & Contracting Company W.L.L
Ascent Circuits Private Limited
Apptivo
VENTURE LIGHTING
WINDCARE INDIA PVT. LTD
InfoView TECHNOLOGIES

ALUMNUS ENTREPRENEURS

R.Ganesh kumar
Managing Director
HI Volt Engineering limited
2002 - 2006

K.Karthick
Managing Director
HI Volt Engineering limited
2002 - 2006

P.S.Sugumar
Managing Director
Golden plastics private limited
2005 - 2009

A.Sudharsan
Managing Director
Superbiotics Pvt limited
2010 - 2014

Distinguished Alumnus

R.Rajasekar
Training & Servicing Engineer
Schneider electric Pvt limited
2002 - 2006

M.Arun kumar
Technical specialist
HCL Technologies,Chennai
2003 - 2007

S.Nagarenjini
Project Engineer
Wipro
2008 - 2012

Mr.T.Sankar
PG student/MBA
SSN School of management college
2010 - 2014

Guest Lecture on the topic "Energy Audit"
Mr. Ramalingam, Assistant Engineer, TANGEDCO on 09.03.2018