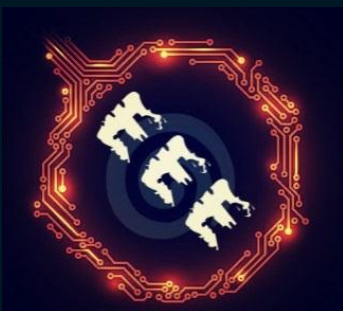




CANARA ENGINEERING COLLEGE
ELECTRICAL AND ELECTRONICS ENGINEERING
DEPARTMENT



DRISHYA

VOLUME 5 | ISSUE 2 | February 2018

Department Vision

To be a **centre of excellence** in imparting **technical knowledge** in Electrical and Electronics Engineering field with **professional ethics and human values**.

Department Mission

- To provide comprehensive undergraduate education in the field of Electrical and Electronics Engineering to meet the Industrial and Societal demands.
- To enhance the knowledge, attitude, practical capabilities of the students and infuse in them the ability of continuous learning.
- To build team ethics, leadership qualities and to cater to the overall development of the students in professional and research oriented fields.

PROGRAM EDUCATIONAL OBJECTIVES

PEO 1: To produce competent graduates with adequate knowledge in the field of Electrical and Electronics Engineering so that they can serve government agencies, private industries and also be entrepreneurs.

PEO 2: To elevate the knowledge of our graduates to take up post- graduate studies in the fields of Electrical, Electronics, Computer Science and Management studies.

PEO 3: To inculcate in our graduates an inclination for lifelong learning contributing to personal growth and societal improvement.

PEO 4: To build the culture of team work and effective communication skill in our graduates to solve complex engineering problems and other challenging issues.

PEO5: To produce engineers who can design and develop effective products those are beneficial to society and act with honesty, wisdom, courage and compassion.

EDITORIAL BOARD



Prof. Divyesh Divakar
Chief Editor



Sumana



M Smitha



Sagar Pai

What Department Head Says



Dr. Rajalakshmi Samaga B L

I congratulate the editorial committee for being successful in bringing out the newsletter in time. All the activities conducted in the department during last semester are showcased very well in the newsletter.

I take special privilege to congratulate Mr. Anand Bhat B for organizing AkhilaGuru event wherein the alumni appraised the present students about the opportunities in the industries. I would like to carry forward this event in future also. I solicit the alumni help in this regard. Through this newsletter, I would like to appeal to the alumni, to help our students for internship.

This year 41 students out of 59 are placed in industries through campus placement. I wish all the passed out students a bright future ahead. I am happy to announce that three projects of the final year were selected for project exhibition at 'SRISHTI 2018', Bangalore and one of them bagged the consolation prize. I am expecting students to bring many laurels to the department in the future too.



By Prof. Anand Bhat B

Electricity Sector in India is growing at a rapid pace. Very recently smart grid technology can attribute important role in energy scenario. Smart grid refers to electric power system that enhances grid reliability and efficiency by automatically responding to system disturbances. The present peak demand is about 1,15,000 MW and the Installed Capacity is 1,52,380 MW using generation from thermal (63 %), hydro (25 %), Nuclear (9 %) and renewable (9 %) sector.

Companies like ABB, Bajaj International Private Ltd, Crompton Greaves Limited, Siemens Ltd, Reliance Power Ltd, Oil and Natural Gas Corporation (ONGC), Bharat Heavy Electricals Limited (BHEL), Steel Authority of India Limited (SAIL), Coal India Limited (CIL), Power Grid Corporation of India Limited (PGCIL), Centre for Electronics Design and Technology and Wipro Lighting are the biggest employers hiring Electrical Engineers.

A Graduate in EEE can go for Diverse fields whether it is PSU Job, Core Sectors like Construction & Steel, IT Industry, Consultancy/Finance Job, Electronics Design and a myriad of Profiles like Business Development Associates, Content Development Manager etc.

The Scope of EEE branch is unlimited provided you chose which option to opt in near future. EEE degree will provide a global arena of options but you have to tap it to become successful.

There will never be a fall in scope for Electrical Engineering. If you are passionate enough there is a infinite number of doors in Electrical Engineering career.

BLOOD DONATION CAMP

NSS and Youth Red Cross Unit in Association with KMC Mangalore organized blood donation camp in the campus on 22nd March 2018.

Dr. Nirupama, KMC Mangaluru inaugurated the camp. 2 faculty members and 38 students from the department donated blood.



ENGINEERING ORIENTATION PROGRAM



DEPARTMENT ACTIVITIES

FAREWELL FUNCTION

Electrical and Electronics Engineers Association (EEEE) organized farewell function on 25th May 2018. VI and IV semester students directed recreations and spot amusements and furthermore showed recordings containing the recollections of 4 years. VIII semester students were given mementos by the juniors.

Declaration of thankfulness was given to the students of sixth semester of Information Science for leading PYTHON CLASSES for EEE pre-final year's amid even semester 2017-18.

The department conducted orientation program for first year E&EE students. The sessions were handled by the department faculty. The program was spread for a semester and was handled as one session a week. The program focused on introducing SCILAB software. It is a free and open-source, cross-platform numerical computational package and a high-level, numerically oriented programming language. SCILAB is one of the two major open-source alternatives to MATLAB, the other one being GNU Octave.

CAREER GUIDANCE PROGRAM

EEEE in association with NSS Committee organised a workshop on “Career Guidance” for students of Government Primary School, Kodman on 7th April 2018.



K. Sathish Naiga, President, Meramajal Panchayath was the chief guest and Dr. Rajalakshmi Samaga, HOD, E&EE Department presided over the inaugural function. The program was supervised by Prof. A K Kamath and Prof. Ramesh E and was conducted with the help of 25 students of final & prefinal year of E&EE Department.



ALUMNI INTERACTIONS

The Alumni interactions are arranged by Alumni association of the department. This is the way in which we get to interact with our Alumni to share their experiences in college and after college. We are thankful to all the alumni who visited the college to interact with the students, in spite of their busy schedule.



2016-2017 passed out student **Mr. Nithesh Nayak** addressed our Pre-final and Final Year Students on 19th February 2018. He is research assistant at **IISC Bengaluru**. He enlightened our students on how to create a library in MATLAB



2016-2017 passed out student **Mr. Vishal Prabhu** addressed our Pre-final and Final Year Students on 19th February 2018. He is working for **Karaavali Switchgears, Mangaluru** as a Marketing Engineer. He spoke about various opportunities in switchgear industries.



2016-2017 passed out student **Mr. Vivek R Shenoy** addressed our Pre-final and Final Year Students on 10th April 2018. He is working for **PRDC Bengaluru** as Software Engineer. He emphasized the importance of core Electrical subjects and also mentioned about resume building.

AKHILAGURU

Department Alumni Association and Department Placement Coordinator conducted a Two Day Workshop -"AKHILAGURU", by Alumni for students of 4th and 6th semester.



Mr. Sayed Riza, 2017 passed out, explained about Transaction Risk Management in Amazon. He also briefed about the study to be done about any company before the placement drive. He emphasized on necessity of having a perfect grip on Microsoft Excel.

Ms. Jemisha M D'Souza, 2016 passed out, briefed about the chip layout process in Karmic. She focused on the importance of core subjects required to enter any semiconductor industry. She also shared a lot of technical materials.

Mr. Vivek R Shenoy, 2017 passed out, working as Software Engineer in PRDC, explained about RLC Transients, which is very much essential for power system analysis. He also conducted a MCQ test as an assessment and awarded prize to the winners. Later he conducted a session on Resume building and also reviewed few resume prepared by students and gave them useful tips.

Mr. Vishal Prabhu, 2017 passed out handled a session on Switchgear and Panels. He also explained about various projects completed by Karaavali Switchgears.

INDUSTRIAL VISITS

The department along with Industry Institute Partnership Cell (IIPC) arranges Industrial visits for students to renowned industries on regular basis. The main objective behind these visits is to bridge the gap between the Industry and the Institute.

27 Students of 4th Sem and 17 Students of 6th Sem, along with Prof. Vinod Kumar, Prof. Prathibha M, and Prof. Anand Bhat B visited the Milma Dairy and Banasura Sagar Dam, Wayanad, Kerala on 7th April 2018.



PLACED STUDENTS

Following students of final year were selected in Campus recruitment process during odd semester:



Prashanth D Nayak



Karthik Marathe



Anusha



M Smitha



Shivani Bhandari



Bharath R.J



Prajwal Shervegar



Pannaga Y.S



Karthik Marathe



Vidyadhar Mallya M



Manasa N P



Manisha G



Muhammed Safwan



Sambhram Shetty



Vaishnavi

[24]7



Anusha



Deekshith Kumar M



Dhanya Anchan



Nikhil Rao



Sujan

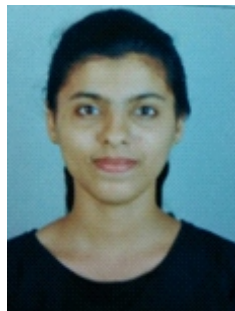


Vijetha

magnasoft™
YOUR WORLD, HERE & NOW



M Smitha



Ann Mary Varghese



Ashitha B U



Chaithra



Shwetha S Pateel



Pannaga Y.S



Vidyadhar Mallya M



Deekshith Kumar M



M.Kaushik Prabhu



Madan Kumar J



Nayana.D.Bhat



Neha N Patil



Hithakshi



Shagufta Shaikh



Dhanya Anchan



Udit Joshi



Vishal Rane



Karthikeyan V



Sashank



Sujan Puninchithaya



Akshatha Shetty



Vasuki Ganapati Shanbhag



Subash.G

D Mart



Bharath R.J



Sambhram Shetty

PROFESSIONAL SOCIETY EVENTS

Two days mobile making workshop and IOT was organized by Professional society committee of EEE and ECE Departments on 24th and 25th March 2018. Mr. Abhishek Sachidanandan, Design Engineer, Indian Tech group, IIT Mumbai was the resource person. Total 85 students, 35 from EEE and 50 from ECE had participated in the workshop.



Training on Electrical maintenance (repair of ceiling fan and switchboard) was conducted by Professional society committee of EEE department on 3rd April 2018 under the supervision of Mr. Prajwal Bennet Tellis, foreman, EEE Department. 10 students of 8th sem were benefited.



15 academic projects were exhibited. Mr. Floyd James sequiera, Electrical after sales from SAN engineering Bengaluru and Mrs. Deepthi shetty, Asst. Prof. Dept. of EEE, SIT Valachil (both are Alumnus of the department) were judges.

Project titled "VR Based Surveillance Vehicle" won first prize.

CANTECH2K18

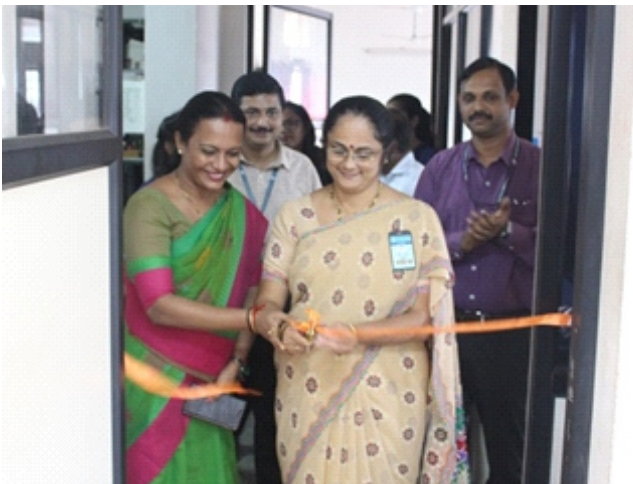
CANTECH 2K18 was organized by Professional committee in association with Department Association of Electrical and Electronics Engineering Department on 14th May 2018. Following events were conducted:

PROJECT EXHIBITION

Professional society committee of Department of Electrical and Electronics engineering conducted Project Exhibition for final year students as a part of CANTECH 2K18. Dr. Rajalakshmi Samaga B L, Head of the Department, inaugurated the event.



Second prize was shared by projects titled "Smart AGROSYS- Automatic Drip irrigation System" and "Smart Table".





Third prize was won by project titled "Sugar Cane Harvester using Solar Powered DC Motor".

EDIAN: An event for simulation on integrated circuits using PSPICE software. Prof. Prathibha M of our department judged the event. Mr. Shreesha and Mr. Newton won the first prize and Mr. Abhishek and Abhilash P won the second prize.



CODE FLYER: A test on Python language was conducted for the 6th semester EEE students. 41 students composed the test. Prof. Akshatha Bhat, Dept of EEE, Canara Engineering college coordinated the test. Mr. Alwin and Mr Hardik hansraj jointly secured first prize, Mr. Pawan S secured second prize.



DELINEATION: Competition on Electrical drawing using AUTO CAD software was conducted. 7 teams from 6th Sem EEE participated. Prof. Vinod Kumar B, Dept. of EEE and Prof. Tara B B, Dept. of EEE was judges for the event. Mr Chirag and Mr. Bhavithraj won first prize. Ms. Dhanyashree and Ms. Leena Jajoria won the second prize.



ELECTRIFYING QUIZ: A quiz competition was organized exclusively for first year students and 18 teams participated in the competition. Prof. Anand Bhat B, Dept. of EEE coordinated the competition. Ms Ramya Holla and Shreya Suvarna of F section won the first prize. Ms. Anjana Bhat and Namrata Shenoy of E section won the second prize.



FACULTY NEWS

- **Dr. Rajalakshmi Samaga B L**, represented the department in a meeting on New Model curriculum for first year BE/B.Tech-CBCS Detailed syllabus as per OBE format including CO and Bloom's Taxonomy held at Sahyadri College of Engineering, Mangaluru.
- **Dr. Rajalakshmi Samaga B L**, has served as a judge in panel of Project Exhibition and competition, "TECHNOVA-18", held on 18th May 2018 at St Joseph Engineering College, Vamanjoor.
- **Prof. Vinod Kumar B** has successfully completed the online course on "Effective Engineering Teaching in Practice" by securing 66% and was awarded with **Elite certificate** conducted by National Programme for Technology Enhancement Learning (NPTEL) during February - April 2018.
- **Prof. Swathi K** has successfully completed the online course on "Effective Engineering Teaching in Practice" conducted by National Programme for Technology Enhancement Learning (NPTEL) during February - April 2018.

FACULTY DEVELOPMENT PROGRAMS

- **Dr. Rajalakshmi Samaga B L** attended two day workshop on "Outcome Based Education" at KLE-Tech, Hubli, on 20th and 21st April 2018.

STUDENT NEWS

Three final year academic projects were selected for state level engineering students' project exhibition and competition **SRISHTI 2018** at Dayanand Sagar College of Engineering, Bengaluru from 22nd to 25th May 2018.

The project titled "**Smart Workstation integrated with Arduino based embedded systems**" by Akshay Bhat, Kini Siddhesh Praveen, Manasa N P and Manu Balnad guided by Prof. Divyesh Divakar **won consolation prize**.



The other two projects which competed and won words of accolades are "**Virtual reality based unmanned ground vehicle**" by Prajwal Shervegar, Alistair Julias Lasrado, Anusha and Vaishnavi, guided by Prof. Divyesh Divakar and "**Sugar Cane Harvester using Solar Powered DC Motor**" by Akshay I G, Sagar S Navalagi, Akshay C Naik and Nikhil K C, guided by Prof. Tara B B.



Technical paper presentation plays an extravagant role in the student's life. Students are motivated to present technical papers in renowned events. The department has produced 19 papers with student authors in the current semester.

Deekshith Kumar M, Karthik Marathe, Vidyadhar Mallya M, Vikhyath won **Best Paper Award** at International conference on Recent trends in Technology held on 18th May 2018 at SDMIT, Ujire for paper titled '*Detection of fault location in transmission lines*'.



Akshay Krishnadas Bhat, Kini siddhesh Praveen, Manasa N P, Manu balnad won **Best Presentation Award** at International conference on Recent trends in Technology held on 18th May 2018 at SDMIT, Ujire for paper titled '*Smart workstation integrated with Arduino and raspberry pi based embedded system*'.



Vasuki G Shanbhag and Kaushik Prabhu presented their work '*Design and performance analysis of parabolic type solar thermoelectric generator*' at National level paper presentation competition held at KVGCE, Sullia on 12th April 2018 and won **first prize**.



Gautham Shetty and Bharath R J won **second prize** by presenting '*Automatic drip irrigation system*' in National level paper presentation competition on 23rd April 2018 held at Anjuman Institute of Technology, Bhatkal.

Chaitra and Dhanya Anchan won **third prize** at Anjuman Institute of Technology, for presenting a paper titled '*LED Lamp Driver for Universal Input Using CUK Converter*' on 23rd April 2018.

ATTENDED EVENTS

8 students of the department benefited from the talk on "Stress management for healthy life" by Dr. Supriya Hegde, Psychiatrist and Professor in the Department of Psychiatry at Father Muller's Medical College, Mangaluru. The talk was organized by IEEE Student Branch on 8th March 2018.

6th Semester students of the department attended a talk on 'Indian and International Education' on 26th March 2018 organized by Student Welfare Department. Co-founder of BYJUs, Mr. Amith Ravindra gave the students insight into the relevant steps required to prepare for CAT/GMAT/GRE and the kind of research that is required for entering the world of International Education.



6 students from the department were beneficiaries of **Raspberry pi and Python workshop** organized by department of ECE and IEEE Student Branch on 14th May 2018.



50 students from the department attended a Talk on 'Career Guidance, Startup Culture and Skill Set Requisites' by Dr. Niranjana Udupi Cholayya, Director R&T MDN Manipal in college seminar hall on 26th May 2018. The talk was organized by IEEE Student Branch.



CULTURAL EVENTS

Mr. Dheeraj D of VI semester, along with 16 students of other streams, represented the college in **KALASURABHI- 18th Annual VTU Fest** organized by Visveswaraya Technological University, Belagavi. This year Angadi Institute of Technology and Management, Belagavi hosted the fest. 85 colleges affiliated to VTU took part in the fest and there were 22 events stretched from 11th April to 13th April 2018.



Xtatic-18 was organized on 1st March 2018. Six cultural events were organized. Students of the department actively participated in various events.



Aakriti-18 was organized on 2nd and 3rd March 2018. Various arts and cultural, technical & gaming events had been conducted during this fest. There were total 27 events (10 arts & Cultural, 9 Technical & 8 Gaming events) conducted during the fest. The participants from various neighboring colleges and Parent College has participated and exhibited their talents.





CANARA ENGINEERING COLLEGE

ELECTRICAL AND ELECTRONICS ENGINEERING DEPARTMENT