

CANARA ENGINEERING COLLEGE
ELECTRICAL AND ELECTRONICS ENGINEERING DEPARTMENT



NEWSLETTER
DRISHYA

VOLUME 6, ISSUE 1, JANUARY 2019

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 Bhat K



Prajwith C Ullal



Suvan

What Department Head Says

It gives me great pleasure to congratulate students, faculty and staff of Electrical and Electronics Department for the publication of this issue of newsletter. Newsletter is believed to be a focus of the inside activities i.e. academics, students and faculty achievement as well as innovation occurring in the department. In the era of engineering and technology this newsletter will motivate the teachers and students of sharing their creativity and new ideas with the world and will help in their overall development.

With respect to the placements, 80 companies are visited our college and from our department 41 students placed with 57 offers. I congratulate 2018 graduated students for getting placed and making us feel proud. Good luck for your future endeavours.

I whole heartily welcome all the 2nd year students to our department. Well we as faculty can always be with you at every moment of your curriculum. We will guide you but never spoon feed you. We will give you knowledge about all practical & theoretical. Beyond which imagination & creativity is yours.

I congratulate the pre-final year students for their outstanding project talent in exhibiting in state level and neighbouring colleges. I hope the same spirit will cultivate in all students and bring laurels to the department.

Mr. Pavan V Shetty has bagged the **“BEST ALL ROUNDER”** award from the department. He has also been nominated as the cultural student chief coordinator for the institution. Indeed a great initiative & achievement.

Our department looks forward to contribute in solving the technological challenges of the society with active participation from all sections of the society. I wish best of luck for all the team members for publication of newsletter.



Best wishes,
Prof. Mohan Rao K

ALUMNI TESTIMONIALS

"The department offers a fantastic academic environment, seminars, interdisciplinary initiatives, as well as a remarkable industrial training with a blend of theoretical knowledge and practical implementation.

To cope up with the present world scenario in the technological race, the institution has a lot of initiative to equip students with knowledge beyond the academics. It has fueled, my interest in research and to continue my carrier in the same. Abiding guidance and encouragement given by my professors have helped me immensely not only to grow technically but also to mature as a person. I am much obliged to Canara Engineering College and Department of Electrical and Electronics Engineering."



Nithesh Nayak K

Zero Energy Networks Lab
Department of Electronic System Engineering
Indian Institute of Science, Bangalore

I take pride in being a student of Canara Engineering College and now being an employee of a world renowned MNC.

The latter wouldnt have been possible without the immense support of my former. The teaching and guidance here is just unparalleled & out of box focussed. It has imparted a perfect blend of technical and soft skills and made me ready for industry.

My best four years here have been excellent and a memory to cherish for a lifetime. The years spent here have been full of learning opportunities & skills that were full of fun and frolic and sometimes with academic grind that one has to go through. The international exposure makes you a better man to

face the challenges of the corporate world. It is not just an institution it is the multi linguistic & cultural hub that brings together cultures from all around the India.

Finally, Sincere thanks for Department of Electrical Engineering to sculptor a shape of me for what I am today. It was my honour to study under the guidance of such experienced faculty. Also, a special thanks to our placement cell for inviting such big and renowned companies and organising various aptitude and soft skills sessions. It has left no stone unturned in getting us placed.



Sushmitha G Gatty T
Electrical Engineer
Multi axis innovations
Bangalore

It gives me great pleasure to share about my experiences at CEC, and all that I owe my alma mater.

From technical expertise to extracurricular activities, CEC gave me the right exposure, and opportunities to grow and be groomed into a responsible person and professional.

There are a couple of things which I am proud of about CEC. One is the emphasis on placements that CEC gives; the other is the technical workshops which are arranged from time to time. These workshops are integral in receiving hands-on experience. Also, these workshops kindle our minds to be creative and apply our skills.

These two aspects equipped me for my professional career. It was in one of these robotic workshops that I realized that I have an interest in software; specifically, software for embedded systems. After finding my sweet spot, I was able to align my skills with my interests. This not only gave me direction but was a big motivating factor.

Today as I look back, I realize that the reason I am

able to perform well and enjoy my work today is because I was able to align my interests with my skills. I am grateful to CEC for playing a great part in helping me find my career.



Jerome Christopher
Senior Engineer - Automotive Business Unit
Tata Elxsi Ltd.

I'm a graduate from the esteemed Electrical and Electronics department of Canara engineering college and currently work at GE Healthcare as an Equipment Engineer Handling the manufacturing testing of MRI Subs-systems, Systems, Coils and Tables.

I thank my professors for their constant encouragement and support. During my B.E, they challenged and pushed me to be better, creative in my projects and to question the unquestionable because of which I now have enough confidence to tackle any problem thrown my way. With their continuous support, they allowed me to attend numerous technical workshops and competitions which helped me prepare for my interviews and also help me broaden my horizon apart from my regular studies. All of this has helped me to secure my dream job at a very reputed organization. I am more than grateful for their efforts over the last 4 years to shape me into the person I am today. It's been a privilege to be a part of this esteemed College's Department. **EEE ALL THE WAY !**

As a message to my juniors, the world is your oyster- never be afraid of failure as its a stepping stone to greatness and success. Keep an open mind and explore your interests apart from your regular studies, as your studies may get you a degree, but

your Skill Set, Your Passion, your Drive to Achieve Greatness will get you a Job.

'Don't be sheep-Break the cycle-Rise Above'
I would like to thank the alumni committee for giving me this opportunity to share my thoughts and views.



Floyd James Sequeira
Equipment Engineer
GE Healthcare, Bengaluru

DEPARTMENT ACTIVITIES

INDUCTION PROGRAM

EEEEA (Electrical and Electronics Engineering Association) organized 'Induction Program' to first year students on 18th August 2018. Head of the Department, Prof. Mohan Rao K, addressed the students regarding guidelines to be followed during the 4 years and how to contribute to society effectively. The class advisor Prof. Vinod Kumar B addressed students on the importance of Electrical Engineering. All teaching faculty handled sessions based on the activities of the Department. 2018 passed out students had addressed first year students and enlighten them about the importance of higher studies, IT sector and how to become an entrepreneur.



BRANCH ENTRY FUNCTION

Electrical and Electronics Engineers Association (EEEEA) in association with Cultural Committee organised "Branch Entry Program" on 1st September 2018.



Second Year students were formally welcomed to the department by pre-final year and final year students. Formal function was arranged with Head of the department as the chief guest. Prof. Mohan Rao K, HOD of E&EE Department inaugurated the function. He shared his wide experience and gave tips to the students, on being self motivated. Games were conducted. Audiences were entertained by conducting games and by performing cultural activities.



AYUDHAPOOJA

Cultural Committee in association with EEEEEA organised "Ayudha Pooja" which is termed as worship of implements. It is an integral part of Indian tradition and our department too observed it on 17th October 2018.



Bhajans by students and staff expressed the joyous thrill that wells up from the heart when the Glory of God is remembered. Department Ayudha Pooja was conducted in Electrical Machine lab. All the Electrical labs were decorated in flowers & rangoli by the students. The Department staff members and students attended the pooja.



TECHNICAL ACTIVITIES

The department conducted technical activities as a part of orientation program for first year E&EE students. The sessions were handled by the selected higher semester students under the supervisory of faculty. The program was spread for a semester and was handled as one session a week.

On 22nd September 2019, B Nithish Baliga of 3rd year and Pavan Shetty of 2nd year handled a session on "Introduction to Arduino".



An interactive session was conducted on 13th October 2018 about some basic components such as resistor, capacitor, inductor, diode, LED, transistor etc. Rajwal V R, B Nitish Baliga and Sourabh S Bhujle from third year handled the session under the guidance of Prof. Mohan Rao K and Prof. Akshatha Bhat.



On 6th October 2018 a hands-on session on how to make a simple DC motor for the students of 1st year of E&EE department was conducted under the guidance of Prof. Mohan Rao, along with the help of three other students Pruthvi U Naik, Sourabh S Bhujle and Shamanth Gowda.



On 27th October 2018, there was a talk held for the first year E&EE students by Rajwal V R and Sourabh Bhujle from third year regarding the basic principles involved in the working of a single winding DC motor and also about the format according to which the technical documentation has to be prepared, under the guidance of Prof. Divyesh Divakar.



An introduction to Soldering and Rectifier Circuits was done by third year student Nithish Y Bhandary on 15th September 2018 under the supervision of Prof. Prathibha M.



A two hour technical training session on Design of 5V and 12V DC supply was conducted on 8th September 2018. The session was conducted by Prajwith C Ullal (VII Sem), Sandesh(V Sem) and Shreesha (V Sem) under the guidance of Prof. Ashwini K.G.



TECHNICAL WORKSHOP

On 29th September 2018, a workshop on Basic Programming of Arduino was conducted by students Shreesha, Abhishek Poojary, Rajwal, Pavan Shetty and S Aditha Krishna Bhat. There were hands on sessions on- Introduction and setting up of Arduino IDE, Syntax and application of functions, Programming on Blinking LED, Fading LED, Brightness Control with Pot and Blink Control with potentiometer.



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.

2017-2018 passed out student Ms Akshay K Bhat addressed first year Electrical students on 18th August 2018. He is working as a Business analyst at Godot Entertainment and Media Pvt Ltd. He briefed his journey about Electrical Engineering at CEC. He also mentioned the importance of co-curricular and extra-curricular activities for the placement.



2016-2017 passed out student Mr Danush P Shetty addressed second, third and final year students on 23rd August 2018. He is an Entrepreneur, playing the role of Manager in Customer Services and operation at a company - Spacebasic. He briefed about the company's vision, mission and objective. He also encouraged the students to clarify their doubts on placement interviews. He also shared his interview experience and mentioned about Dos and Dents in an interview.



2017-2018 passed out student Ms Manasa addressed our First-year Students on 18th August 2018. She is pursuing MBA at NITK, Suratkal. She motivated the students through her experience and how to get a seat in MBA after passing out and without reference. She mentioned the importance of the course.



2017-2018 passed out student Mr Manu Balnad addressed our First-year Students on 18-08-2018. He is pursuing MBA at NITK, Suratkal and he is also an Entrepreneur. He motivated the students on how to set up own business as a fresher and also answered the queries from the students.



2017-2018 passed out student Mr Prashanth D Nayak addressed our second-year students on 3rd November 2018. He is working as a Graduate Engineer Trainee at Automotive Axles. He mentioned his job profile and the levels of interviews he had to go through. He also emphasised on the importance of Core Electrical Subjects in getting a job in core companies.



SLK



Akshith A

PLACED STUDENTS

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

wipro



Ashwal B P

Infosys
POWERED BY INTELLECT
DRIVEN BY VALUES



Chirag K



Dheeraj D

bibox



Leena Jajoria



Shreesha M



Hardhik Hansraj M



Pavan V Shetty

semnox
PLAY YOUR WAY



Ashwal B P



Pawan S



Anuj Adyanthaya K



Pavan V Shetty



Shradha J Shetty



T Rajendra Pai



A Nikhil Vignesh



Ashwal B P



Ganesh T Naik



Hardhik Hansraj M



Pawan S



Skandaraj M



T Rajendra Pai



Rithesh Pavan D Souza



Sachin Yadav

a6



Skandaraj M

FACULTY NEWS

- **Prof. Vinod Kumar B** has successfully completed 8 weeks online course on “Electrical Distribution System Analysis” conducted by National Programme for Technology Enhancement Learning (NPTEL) during August – September 2018.
- **Prof. Tara B B** has successfully completed 12 weeks online course on “Design of Photovoltaic System” conducted by National Programme for Technology Enhancement Learning (NPTEL) during July – October 2018.

- Prof. Anand Bhat B qualified as top ten finalist in the event Mr. GSB conducted by kodial Sports Association Mangaluru.
- Prof. Akshatha Bhat proposed the school toast on December 7th 2018 as a part of “125th Annual Day Celebration” at Canara Girls High School, Mangaluru.
- Prof. Akshatha Bhat has performed Kuchupudi dance form on the occasion of “CANARA FAMILY MEET” held at T V Raman Pai hall on 15th December 2018.
- Prof. Anand Bhat B successfully completed 5 km marathon on 2nd September 2018 conducted by South Canara Ophthalmic Society supporting eye donation.
- Prof. Anand Bhat B successfully completed 10 km marathon on 30th September 2018 conducted by FORUM FIZZA group to support Alzheimer's patients.

FACULTY DEVELOPMENT PROGRAM

Prof. Ashwini K G, Prof. Swathi K and Prof. Anand Bhat b attended one week FDP on "Design, Analysis and Hardware Implementation of Switched Mode Power Converters" at N.M.A.M.I.T Nitte, Karkala, from 23rd to 28th July 2018.

STUDENT NEWS

Nithish Y Bhandary, Sandesha, Sumana Bhat K and Kavya S won 2nd Prize in National level project expo held at Alva's College, Moodabidre during Alva's Nudisiri-2018 on 15th November and 16th November 2018. The exhibited project titled "**Low cost solar powered domestic desalination plant**".



- B Nithish Baliga attended IEEE India council Meet from 28th September to 30th September 2018 at Vidhya Vardhaka Institute of Engineering and Technology, Mysuru.
- B Nithish Baliga and Rajwal V R exhibited project titled "Traffic congestion notifier" in National level project expo held at SIT, Tumkur on 6th October 2018.



- Nithish Y Bhandary, Sandesha, Sumana Bhat K and Kavya S exhibited Project titled "Low cost solar powered domestic desalination plant" in National level project expo held at SIT, Tumkur on 6th October 2018.
- Dhanya N Shetty, Pavan Shetty, S.Aditha krishna Bhat and Preemal Deona Dias participated in National level robotics competition - Trail blazers held at NITK, Suratkal on 13th October 2018.

- B Nithish Baliga and Rajwal V R exhibited project titled "Traffic congestion notifier" in National level project expo held at Alva's College, Moodabidre during Alva's Nudisiri-2018 on 15th November and 16th November 2018.
- **Prajwith Ullal** successfully completed 8 weeks **NPTEL course** on "Physical Modelling for Electronics Enclosures using Rapid prototyping" with **Elite Certification**.
- **Prajwith Ullal** successfully completed 4 weeks NPTEL course on "Recent Advances in Transmission Insulators" with **Elite Certification**.
- **Vishal P** successfully completed 4 weeks NPTEL course on "Recent Advances in Transmission Insulators" with **Elite Certification**.
- Alwin M Gomes, Krishnananda M Poojary, Bhavithraj and Akshith A successfully completed 8 weeks NPTEL course on "Electrical Distribution System Analysis"
- Rajalaxmi successfully completed 12 weeks NPTEL course on "Control systems".