

**Institute Vision**  
"Moulding Engineers par  
Excellence with Integrity,  
Fairness and Human Values".

**Institute Mission**

- We commit to develop the institution as a Centre of Excellence of International Standards
- We guide our students in the attainment of intellectual and professional competence for successfully coping with the rapid advancements in technologies and the ever changing world of business, industry and services.
- We help each and every student in their personal growth into mature and responsible individuals.
- We strive to cultivate a sense of social and civic responsibility in our students, thus empowering them to serve the humanity.
- We promise to ensure a free environment where quest for the truth is encouraged.

**Department Vision**  
Mould globally competent Electrical and Electronics Engineers.

**Department Mission**

1. To provide the best academic ambiance.
2. To develop technical and soft skills to cope up with the emerging global scenario.
3. To enhance knowledge by industry and alumni interaction.

# vidyuth

Vol.10 Issue 1 July-Dec.2017



**VISWAJYOTHI COLLEGE OF  
ENGINEERING & TECHNOLOGY**

**ELECTRICAL AND ELECTRONICS  
ENGINEERING**

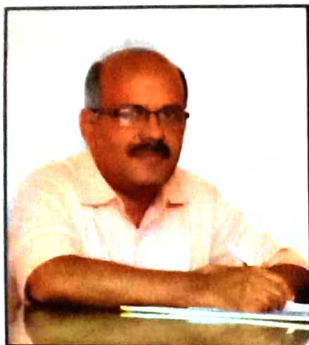
**About the Department**

The Department of Electrical and Electronics Engineering of VJCET is established in the year 2004, with eminent and well qualified faculty and excellent infrastructure. The department is recognized for excellence in teaching and service to the professional community and it offers undergraduate Programme with an intake of 120 students. In a very short span, the department has emerged with four University Ranks and is consistent with its excellent pass percentage and has better placement records. The academic strength of the faculty is reflected by the alumni, many of whom are in top echelons of industry and academia both in India and abroad. The students of the department play leading roles in all activities of the college.

**Program Educational Objectives (PEO)**

1. Graduate shall have the foundation in mathematical, analytical and scientific skills to design technically and economically viable engineering solutions.
2. Graduate shall have the culture and attitude of team work, to help in upbringing socially committed Entrepreneurs engaged in lifelong learning.
3. Graduate shall have professional communication skills, social values and work ethics.

## FROM PRINCIPAL'S DESK



EEE department, with its most competent students and faculty members, is truly an asset to the institution. The department has presented unaccustomed learning methods during the semester. The national conference, NCPRS 2k17, hosted by the department has revitalised the students,

faculty members and research scholars all over the state to new dimensions of power system technologies. Effectual thinking and cognitive adaptability further improves the department's efficiency. I wish this newsletter "vidyuth" all the success

**Dr. Josephkunju Paul C.**

## FROM H.O.D.'s DESK



The triumph of EEE department in the fall semester makes it exceptionally outstanding. The department always focuses on the enrichment of EEE community, moulding the young engineers to be victorious in various fields of engineering. I wish the newsletter

"VIDYUTH" all success for showcasing the initiatives and achievements by students and faculty members.

**Prof. Paul Antony**

## List of Faculty Publications

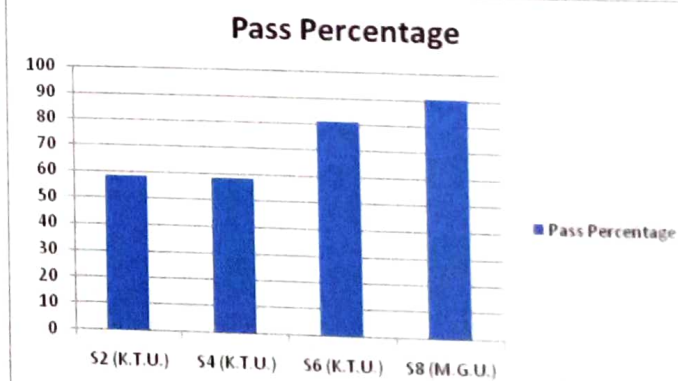
- B Aruna, Design of Robust Controller for Permanent Magnet Synchronous Motor using Interpolation Theory, Technology & Future, VJC Research and Publication Division, Vol.3, No,2, Jan 2017.
- Ms Cini K published a paper titled "Value Based Reliability Evaluation of Primary Power Distribution System" in International Journal of Engineering and Advanced Technology. Vol.6, Issue 5, June 2017.

## Newly Joined faculty since July 1, 2017

- Mr. Jibil Joseph Completed his Bachelor's Degree from CMS College of Engineering, Tamil Nadu affiliated to Anna University, Chennai and Masters Degree from Karunya University with specialization in Power Electronics and Drives.
- Ms. Liya P F Completed her Bachelor's Degree from Govt. College of Engineering, Idukki affiliated to M. G. University and Masters Degree from Jyothi Engineering College to Calicut University with specialization in power Electronics.

## University Exam Result

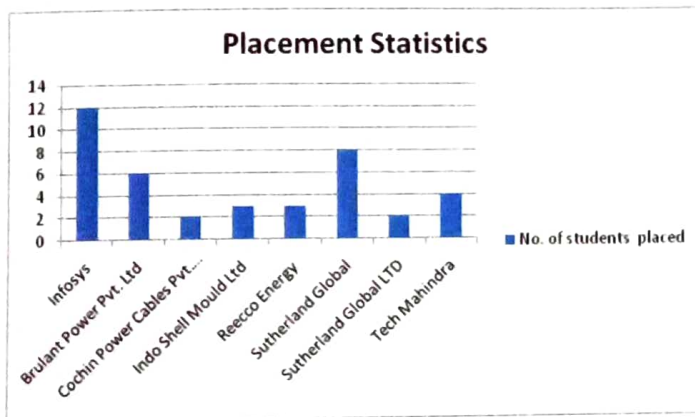
Batch	Class	No. of Students Appeared	Pass Percentage
2013-'17	S8 (M.G.U.)	81	90.12
2014-'18	S6 (K.T.U.)	79	81.013
2015-'19	S4 (K.T.U.)	82	58.53
2016-'20	S2 (K.T.U.)	75	58.67



## Placement Statistics of 2017 B tech Batch

The students of the Department are placed in various companies. Quite a good number of the students are also opted Post Graduate studies in various institutes of Excellence.

Sl.No.	Company	No. of students placed
1	Infosys	12
2	Brulant Power Pvt. Ltd	6
3	Cochin Power Cables Pvt. Ltd	2
4	Indo Shell Mould Ltd	3
5	Reecco Energy	3
6	Sutherland Global	8
7	Sutherland Global LTD	2
8	Tech Mahindra	4



### Technical Visits/Seminars/Short Term training programmes

- Department has organized a National Conference on Recent Trends in Power System Technologies (NCRPS- 2017) on 22nd and 23rd of June 2017.
- Dr.Sony Kurian ,Mr.Sharone Varghese and Dileepkumar P presented a paper titled “A Review on Applications Challenges and Opportunities of Utility Scale Energy Storage Systems” in NCRPS-2017.
- Prof.(Dr.) Rajan K. K. presented a paper titled “A Review of Recent Technology Developments in Thermal Power Generation” in NCRPS-2017
- Prof.(Dr.) Aruna B. presented a paper titled “A Review of Ultra High Voltage Transmission Systems in India ” in NCRPS-2017.
- Prof.(Dr.) Rajan K. K. presented a paper titled “A Review of Recent Advancements in Nuclear Power Generation ” in NCRPS-2017.

### Professional society activity.

#### IEEE

- IEEE Student Branch of Viswajyothi College of Engineering and Technology hosted KHM'17– IEEE Kochi Hub Meet on 21 to 23 July 2017. The event also paved a path for them to discover and nurture their technical skills and innovative thinking. 3 day was furnished with three parallel workshops, UI and Ux, Game development, and Managerial skills. The first day was glammed up with the keynote address by Mr. Prasanth Nair IAS and Mr. Sijo Kruvila, CEO Startup. The delegates who were greatly refreshed and were able to absorb the valuable thoughts imparted to them. Ms. Ms Arya Murali, Startup. exhibited the very essence of women power through her.



- We were fortunate to host the ‘KOCHI HUB MEET (KHM'17)’ with 38 volunteers to handle around 251 delegates from 30+ colleges. Our volunteers were appreciated for their remarkable hospitality. The reviews made KHM'17 to be the best event hosted in the year. It was a golden opportunity to host the hub meet. The event provided us the best exposure and enabled us to approach different situations within 3 days. Life is not measured by the number of breaths we take, but by the moments that take our breath away KHM'17 was one such event.

### Student achievements in events held in/outside the college.

- Jesvin Jose and Jishnu V of S8 EEE presented a paper titled “E – PLANT : Electricity From Living Plants ” in NCRPS-2017

- Asif Muhammed of S4EEE presented a paper titled "INTELLIGRID " in NCRPS-2017
- Justin Joseph, Joseph Kuriakose, Abin Benny, Dijo John of S8EEE presented a paper titled "Hybrid Bicycle with Storage System for Effortless Drive " in NCRPS-2017
- Philps Thomas, Kevin Mathew George and Anand H of S2 EEE B won second prize in HACKON conducted by Computer Science Engineering Department, VJCET.
- Arlin Saju, Riya Mol, Phjilp Thomas, Paul Stanley and Kevin Mathew George of S2 EEE B won second prize in Investiture ,Project Presentation at Bodhi 10.0, Technical Fest conducted by VJCET.
- Kevin Mathew George and Anand H of S2 EEE B received notable appreciation for their project on "Weather Analysis In Simple Prototype ", exhibited at Karshikadhanam Project Expo at Avoly Grama Panchayat.
- Midhun S Paratharayil and Nandhakrishna B of S4 EEE B won Second Prize in Sinu Arby Memorial Quiz competition held at VJCET. in August 2017.
- Anakha Raj of S4 EEE A won Second Prize in Analog World.at Abhyanthiriki, Technical Fest conducted at Rajagiri School of Engineering and Technology, Ernakulam .
- Cillu Merin Mathew and Anantha Krishna C S of S6 EEE A won First prize in Paper Presentation at Aavishkar, Technical Fest conducted at Holy Kings College of Engineering and Technology, Piravom.
- Anantha Krishna C S of S6 EEE A won First prize in Discover India Quiz Competition conducted by Mechanical Engineering Department, VJCET.
- Cillu Merin Mathew of S6 EEE A won second prize in Paper Presentation at Bodhi 10.0, Technical Fest conducted by VJCET.
- Basil N Kuriakose and Anatha Krishna C S of S6 EEE A won Third in Quiz Kshethra, Quiz competition conducted at Bodhi 10.0, Technical Fest conducted by VJCET.
- Kevin T Anthraper and Sachin Sabu of S6 EEE B won Second prize in Aquathunder' ....at Drishti, Technical Fest conducted College of Engineering , Trivandrum.
- Jijo Jobi of S6 EEE B won first prize in Handicraft at Prathibha, Creative Art Exhibition.
- Paulson Joseph of S6 EEE B won first prize in Body Building at Idukki District Level Competition held in Dec., 2017.
- Anjo Jose, Liyas Sunny and Alwin Raju of S8 EEE A won Third prize in Rewired -The Best Electrical Engineer Competition at Takshak, Technical Fest conducted by M A College of Engineering, Kothamangalam.
- Anjo Jose, Liyas Sunny, Jithin Reji and Alwin Raju of S8 EEE A won Second prize in Robosoccer at Excel, Technical Fest conducted by Govt. Model Engineering College, Thrikkakara.
- Alfian T Aliyar and Asif Muhammed of S8 EEE A won Third Prize in Discover India Quiz Competition conducted by Mechanical Engineering Department, VJCET.
- Agnes Mitchell Martin, Amal J and Geethumol Thomas won First Prize in ElectroZanta -The Best Electrical Engineer at Abhyanthiriki, Technical Fest conducted at Rajagiri School of Engineering and Technology, Ernakulam
- Tom Francis and Asif Muhammed of S8 EEE A won Second prize in Project Presentation in Tech Expo held in CUSAT.
- Tom Francis and Govind Venugopal of S8 EEE A participated in Four's Football and the team won first prize in the competition.

#### **Invited talks / Guest Lectures**

- Introduction to PLC basics and Programming for S7EEE by Mr. Binol George, Managing Director, Livewire on 12th August 2017.
- Technical Talk on "Sustainable Solutions" by Mr. A. Luke, Executive Director, SHAMAR Sustainable Solutions on 18th August 2017.
- "An overview of instrumentation System in III

dustries “ for S7 EEE students by Mr. Dinesh Kumar , Control Technology Ltd, Bangalore on 29th August 2017.

#### Any other department events / information.

- “Recent Power Scenario in Kerala” by Mr. Joby James, Asst.Executive Engineer, KSEB for S3 EEE students on 25th September 2017.
- Technical talk on the topic ‘Technology Development: Process and Protocols’ by Mr. A Nandakumar, Senior Project Manager & Outstanding Scientist, BARC Mysore on 9th October, 2017.
- Technical talk on the topic ‘Challenges in the Evolution of an Industry’ by Mr. A. Dinesh Kumar, Managing Director, CT Control Technology, Bangalore. Program was conducted on 29th August 2017.



The association activities for the year are inaugurated by Mr. E. Sankaran Sivadasan (Asst. Executive Engineer, KSEB) on 30th August, 2017. The newsletter is also released on the same venue.

#### Details of industrial visits by the students



- Students of S5 EEE A visited KELTRON, Lighting Division, Kozhokodu, KAYNES Technologies, Mysore and K C Electricals Mysore as part of industrial visit.



- Students of S5 EEE B visited Peechi Hydro Electric Project as part of industrial visit.

