



VISWAJYOTHI
COLLEGE OF ENGINEERING & TECHNOLOGY

चिंत्युत्त

Volume : X Issue : 2 Jan-June 2018

ELECTRICAL AND ELECTRONICS ENGINEERING DEPARTMENT

NEWS LETTER

Institute Vision

"Moulding Engineers par Excellence with Integrity Fairness and Human Values".

Institute Mission

1. We commit to develop the institution as a Center of Excellence of International Standards
2. 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
3. We help each and every student in their personal growth into mature and responsible individuals
4. We strive to cultivate a sense of social and civic responsibility in our students, thus empowering them to serve humanity.
5. We promise to ensure a free environment where quest for the truth is encouraged

Vision of the Department

Mould globally competent Electrical and Electronics Engineers.

Mission of the Department

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

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)

Graduate shall have

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



Dr. Josephkunju Paul C.
Principal

FROM PRINCIPAL'S DESK

Electrical Engineering is one of the oldest, but eternally young and vibrant, fields in engineering. Advances in this area have revolutionized our life -style and are a prime enabler of the sophisticated technological society that we live in today. The Electrical and Electronics Engineering department provides a holistic learning experience covering both fundamental theories and extensive experimental /hands-on opportunities. The initiatives taken by the department to host 'IGNITRON 2018' to ameliorates their students with industrial exposure is highly appreciable. I wish this newsletter " VIDYUTH" all the success.



Prof. B. Aruna
HOD

FROM H.O.D.'s DESK

"VIDYUTH" EEE department Newsletter always focuses on the enrichment of EEE community by showcasing the initiatives and achievements by students and faculty members. This will motivate the young engineers to involve in research and other developmental activities. The " Ignitron 2018" organized by the Department association was an excellent example for such initiative. I wish all success for the newsletter "VIDYUTH" to achieve positive productive outputs.

List of Faculty Publications

- K.K. Rajan¹, B. Aruna¹, V. Akhil¹, S. Verma², P. R. Pedada², R. Bhattacharyay², "Development Of Level Sensor for Lead Lithium Loop System", NFP-PFRC Vision Meeting 2018, 'Viswajyothi College of Engineering and Technology, Vazhakulam, Kerala, India- 686670, 2 Institute for Plasma Research, Gandhinagar, Gujarat, India-382428, 26-28 April, 2018 at Nirma University, Ahmedabad.
- K.K.Rajan, "A Review of Recent Advancements in Nuclear Power Generation", Proceedings of the 2018 International Conference on Control, Power, Communication and Control Technologies, VimalJyothi Engineering College, Jyothi Nagar, Kannur, Kerala, March 23 - 24 , 2018

Newly Joined faculty

- **Anjana Sebastian** completed M.Tech in Control System from College of Engineering Trivandrum and B.Tech from SCMS School of Engineering
- **Liss Mariya Baby** completed M.Tech in Industrial Drives and Control from Rajagiri School of Engineering and B.Tech from Mar Athanasius College of Engineering

Current placement Statistics of 2014-2018 B Tech Batch

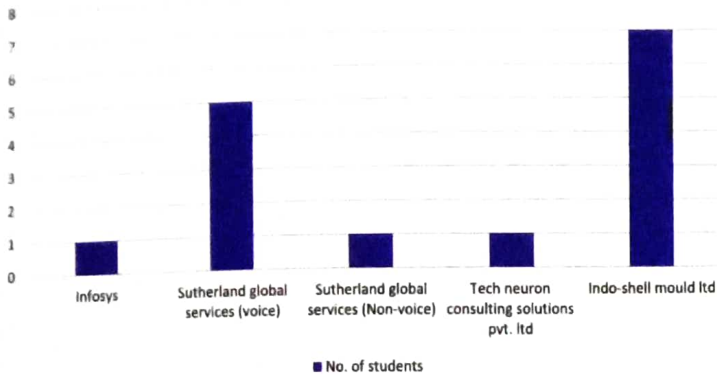
The students of the Department are placed in various companies. Quite a good number of the students are also opted Post Graduate studies in various institutes of Excellence. As on 30th may 2018 fifteen students of final year have been placed

Sl.No.	Company	No. of students placed
1	Infosys	1
2	Indo Shell Mould Ltd	7
3	Sutherland Global services (voice)	5
4	Sutherland Global services (Non-voice)	1
5	Tech neuron consulting solutions pvt. ltd	1

University Exam Result

Batch	Class	No. of Students Appeared	Pass Percentage
2014-'18	S7 (M.G.U.)	82	73
2015-'19	S5 (K.T.U.)	82	48
2016-'20	S3 (K.T.U.)	73	32
2017-'21	S1 (K.T.U.)	66	55

Placement statistics



Placement statistics



Details of industrial visits by the students.

- EEE A visited Pallivasal hydroelectric power station as part of their industrial visit
- Students of S6 EEE A visited keltron lighting division Kozhikode, KC Electricals mysore and Kynes Tech mysore as part of their industrial visit
- Students of S8 EEE A visited United Electrical pvt ltd, Kollam as part of their industrial visit
- Students of S4 EEE A and S4 EEE B completed internship on PLC and SCADA in connection with LIVEWIRE Programme

Technical Visits/Seminars/Short Term training programmes

1. Dr. K K Rajan and Dr. B. Aruna attended a workshop on "COMSOL for Teaching & Research" organized by Department of Electronics, CUSAT and IEEE Cochin Subdivision in collaboration with COMSOL MULTIPHYSICS Pvt Ltd, Bangalore on May 15, 2018.
2. Dr. K K Rajan and Dr. B. Aruna attended the biggest Electrical and Allied Engineering Products Exhibition "ELEX 2017" and National Seminar "Powering Future Kerala" hosted by KEL at CIAL Exhibition Centre, Nedumbasseri, Kochi, 13-15 Dec 2017

Professional society activity.

IEEE

The chapter of Power Energy Society (PES) started on 6th June 2018.

Student achievements in events held in/outside the college.

- Mr. Mohan Francis and Mr. alantboby were the winners in prison break conducted at SJ CET, pala as part of ASTHRA 2018, S2 EEE A
- Ms. Akhilamoljoby, Mr. shilton William and Mr. Yedukrishna s Menon have participated in IOT challenges 2018 held at IIT Bombay
- Mr. Kevin Mathew George, Mr. Anandhariprasad were the winners of hackathon 2018 held at VJCET
- Ms. Anjitha Sunny of S6 EEE B has been elected as university union council representative
- Mr. Amit jolly of S6 EEE B has been selected as general secretary
- Mr. Ananthkrishnan of S6 EEE A has been selected as the college magazine editor
- Mr. Paulson joseph of S6 EEE b was Mr Idukki 2017-18 (category 55 kg)
- Mr. Rony Paul of S6 EEE B was the university winner in badminton competition held at St. Thomas pala
- Princeson Baby, Manu Manuel, Jerin John, Roney Thomas Mylady won First Prize in Project Exhibition held at VJCET
- Jithin Reji, Liyas Sunny, Alwin Raju, Anjo Jose won Second Prize in Project Exhibition held at VJCET
- Sachin Jose Mathew, Nithul Jose, Sharath N Gopi, Jomin Anto won best poster award for Poster Presentation held at VJCET
- Reshma Sajeev of EEE A qualified GATE 2018

Invited talks / Guest Lecturers.

Dr. B Aruna was invited as Chief Guest for inaugurating the EEE Association at SCMS College of Polytechnic on 26th February 2018 and delivered a technical talk on "Role of Electrical Engineering towards sustained development of the Nation".

Any other department events / Information.

Dr K K Rajan Professor EEE and Dean IIC is appointed as Chairman of Board of Sub committee of Nuclear Power Corporation of India Limited for monitoring ongoing nuclear power projects with effect from 21.05.2018.



Dr K K Rajan, Professor EEE and Dean IIC was a member of the multi disciplinary team from VJCET visited Hannover Messe 2018, the international technical trade fair in Germany industries, research centers and universities in European countries to understand the nature of activities and look into the possibility of collaborative work at international level. This visit was as a part of Industry Institute Interaction cell activities in VJCET

Electrical Renovation Works at Assisi Snehaveedu,



Department of Electrical and Electronics Engineering, Viswajyothi College of Engineering and Technology, Vazhakulam, Muvattupuzha has carried out Electrical Renovation Works at Assisi Snehaveedu, Madkkathannam, Muvattupuzha. Assisi Snehaveedu is functioning at Madkkathannam, Muvattupuzha for the last two years. This is a rehabilitation centre for differently abled people and Psychiatric patients. There are 72 inmates including gents and ladies. Father Francis Dominic is the Director of Snehaveedu. The technical staff of EEE department of Viswajyothi College of Engineering and Technology and the Head of the department visited Snehaveedu and witnessed the facilities available to the inmates and found that adequate air circulating ceiling fans and lighting is not available in the four halls where the inmate are staying/sleeping.



In consultation with Principal VJCET and Director VJCET a decision has been taken to renovate the electrical system of Snehaveedu by providing adequate number of ceiling fans, wall mounting fans and LED lighting. The work was completed under the direct supervision and involvement of EEE

department technical staff. Total expenditure was Rs.27,750/- and the amount was collected as donations from faculty members and technical staff of EEE department. This activity has improved the comfort level of inmates of Snehaveedu. This social commitment activity of EEE department VJCET was successfully completed with the active participation and involvement of all members of EEE family of VJCET. The safety aspects of the electrical system in Snehaveedu was checked and found good. This was achieved without increase of electrical load and electricity consumption.

TRAINING PROGRAMMES ORGANIZED OUTSIDE AND ATTENDED BY THE DEPARTMENT FACULTY

- Mrs.Cini K, Mrs.Neena Alex, Mrs.Aryasree G and Mrs.Meraya Baby Attended 5 day Faculty Development Programme on 'Emerging Trends in Nanoscience and Nanotechnology', organized by ASIET, Kalady from 17/4/2018 to 21/4/2018 sponsored by KTU.
- Dr.B Aruna attended
 1. Workshop on "COMSOL for Teaching & Research" organized by CUSAT and IEEE Cochin Subdivision on 15 May 2018
 2. BARC outreach programme on the theme Atomic Energy for Brighter Future organized on 1st February 2018.
 3. Industrial Exhibition "ELEX 2017" and National Seminar "Powering Future Kerala" hosted by KEL at CIAL Exhibition Centre, Nedumbasseri, Kochi, 13-15 Dec 2017
- Dr.Sony Kurian, Smitha Jacob, Breeza Paulose attended Six-day Faculty Development Programme on Real Time Monitoring, Protection and Control of Power systems from 21st May to 25th May-2018 organized by Department of Electrical and Electronics Engineering, NIT, Calicut (MHRD - TEQUIP III).
- Mrs. Cini K, Ms.Aryasree G attended Three Day Faculty Development Programme on "Advances in Smart Material Applications" at MACE, Kothamangalam, 15th to 17th February 2018, sponsored by KTU.

EXTRA-CURRICULAR / CO-CURRICULAR ACTIVITIES ORGANIZED BY THE STUDENTS

Mr. Basil George, Mr. Alfano T Aliyar, Mr. Jaice C J, Mr. Abinshaji and Mr. Amal Antony Joy of S8 EEE have participated in 'KALOLSAVAM 2018' organized by MG university at Maharaja's college, Ernakulam



S8EA 2014-18



S8EB 2014-18