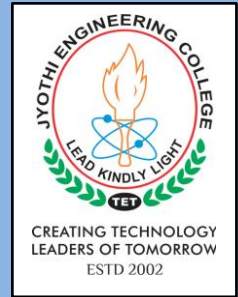


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# ECE NEWS

Department of Electronics & Communication Engineering  
Jyothi Engineering College, Cheruthuruthy, Thrissur - 679531



## Vision

Create eminent and ethical leaders in the field of Electronics and Communication through quality professional education to excel in academia and industry.

## Mission

- Provide theoretical and practical knowledge through quality education and life skills training to make competent graduates with social commitment.
- To impart entrepreneurial orientation and research motivation among the students through knowledge transfer with industrial, academic & research institutions.

## DEPARTMENT ACTIVITIES & ACHIEVEMENTS

### • ECSA ACTIVITIES

- Inaugural function of Electronics and Communication Students Association (ECSA) in association with IETE was conducted on 20th September 2019. Shri. SHOUKATH C (Scientist/Engineer 'D', NIELIT, CALICUT), the chief guest delivered a technical talk on "ADVANCED TECHNOLOGY IN EMBEDDED SYSTEMS".



- Department conducted Three days faculty development program on 'Emerging trends in VLSI, Embedded systems and its application in Biomedical sector' from 10th to 12th July 2019 with Dr. Prajoon P and Ms. Nyni KA as coordinators



- '52nd Engineers' Day Celebrations' was Organized by Department of Electronics and Communication Engineering in association with IE(I) conducting on 25th September 2019. Shri. V.G. Sankaranarayanan, Chairman, IE(I) Local Centre, Thrissur, the chief guest,

delivered a technical talk on “Engineering for Change”.



- Conducted AICTE FDP on “Wireless Communication & Signal Processing” 4<sup>th</sup> -17<sup>th</sup> December 2019, the programme was coordinated by Dr. Anoop V.



- **Ms. Saritha P** joined as Assistant Professor for ECE department from EEE department on 1<sup>st</sup> August 2019
- Dr. Vivek Lukose, Ms Nyni K A, Jinesh K J and Ms. Soumya C relieved from Dept of ECE on 1st August 2019 and joined Mechatronics department

#### • PLACEMENTS

- Mr. Avin and Binitha P B got placed in TCS
- Mr Amal Unnikrishnan, S7 ECA, got Placed as Trainee Engineer in Quest Global
- Ms. Chinmayi of S8 ECE got placed in Mindtree as software Engineer
- Mr Amal Unnikrishnan of S8ECE got placed in VVDN Technologies as Engineer(trainee)
- Adrian, Catherine, Mareena Mariya Abraham, Nandhana K, Olivia Nelson have been selected by CSS Corp, to the post of Engineer - Trainee, in the pooled (off) campus recruitment held at Nehru Engineering College (NCERC) on 13th Nov. 2019.

### STAFF ACTIVITIES & ACHIEVEMENTS

- Dr. Vivek Lukose completed his PhD defense successfully on 22/07/2019



- Fr. David Nettikadan got admission for part-time PhD at IIIT Kottayam

- Mr. Jinesh K J handled a session for the Three days faculty development program on 'Emerging trends in VLSI, Embedded systems and its application in Biomedical sector' on 12th July 2019.
- Mr. Nithil Jose, Lab Instructor, joined Mtech in Artificial Intelligence at Amrita Vishwa Vidyapeetham
- Dr. Anoop V published a paper titled ' Medical Image Enhancement by a Bilateral Filter Using Optimization Technique ' in Journal of Medical Systems - Springer



- Mr. Jinesh k J and Fr. David Nettikadan published a paper titled Asset tracking using low power blue tooth along in IJARTET



- Dr. Prajoon P published a paper titled "Improved RF and DC performance in AlGaIn/GaN HEMT by P-type doping in GaN buffer for millimeter-wave applications" AEU - International Journal of Electronics and Communications Volume 108, August 2019, Pages 189-194 (Elsevier)
- Mr. Ponmani Raja published a paper titled ' Solution for Unintentional Events of Vehicle Security ' along with four Sophy Shaju, Devika A.D, Asish Antony Joy, Naveen K, in Transactions on Innovations in Science & Technology Volume.4, Issue.1, 2019, pp.9-12
- Dr. Anoop V. published a paper titled "Spectral feature and optimization- based actor-critic neural network for arrhythmia classification using ECG signal" Journal of Experimental & Theoretical Artificial Intelligence (Taylor and Francis)
- All staff members of ECE Department attended one week workshop on "Do it" Academic Retreat 2019 conducted at JECC on 01/07/19 & 8/07/19.
- Motivational Talk by Rev. Dr. Jose Kannampuzha for S5ECE and S7ECE on 30th October 2019 and 31st October 2019.

## STUDENTS ACTIVITIES AND ACHIEVEMENTS

- Ms Mareena Mariya Abraham of S7 ECE B received Toppers award from Architects and Engineers Association on 52nd Engineers Day Celebrations held at Thrissur
- Albin Freddy, Arun A S, Edwin John, Jibin Jaison of S6 ECE participated in YOUNG INNOVATION PROGRAMME 2019" at the state level competition at Trivandrum on 28/12/20
- Mr. Albin Fredy of S6 ECE participated in INNOVATOR'S SUMMIT ON 25/01/2020 at CUSAT

- Team comprising of Mr. Vishnu K, Mr. Sibin Krishna, Ms. Saranya, Ms. Safna, Mr. Naranayanan and Ms. Mary Jeethu moving on to the next round of Semi Finals of 2019 edition of India's premier innovation and design contest, the India Innovation Challenge Design Contest (IICDC).
- 46 students of S4 ECE visited two industries Think and Well Automation, Kakanad, Cochin and SMEC Technologies Kaloor, Cochin as part of the Industrial Visit between 25th July 2019 to 27th July 2019
- 16 students of S3ECE did seven days internship in Keltron from 10/07/2019 to 14/07/2019
- 5 students of S3ECE did five-day internship at INQBE at Ernakulam from 20/07/2019 to 24/07/2019
- 16 students attended 5-day internship at National Institute of Electronics and Information Technology (NIELIT) Calicut in the month of July
- 15 students of S7 ECB attended 15 days internship at Atmios Technologies And Software Solutions -Kochi in the month of July
- ECE Students got first prize for "onappattu" conducted as part of onam celebration 2019
- Ms. Mariya Shaji S5 EC got third prize in discus throw for college sports meet held on 18.10.19
- Ms. Ashila Mathews S7 ECA got third prize for 800m race for college sports meet held on 18.10.19
- Ms. Aparna S7 ECA got first in 800m race and second in 100m race for college sports meet held on 18.10.19

## University Result Toppers

### S2 ECE



**ANUSHA C.E (9.15)**



**SALINI T.M (9.02)**



**BIJOY JOSHY (9)**

### S4 ECE



**VRINDHA M K (9.33)**



**JEENA JOSE (9.3)**



**AMMUMOL JOSEPH (8.98)**



**S6 ECE - A**



**JULIT THOMAS (8.39)**



**AVIN K V (8.36)**



**CATHERINE C JEJO (8.24)**

**S6 ECE- B**



**MUBASHIRA K M (9.04)**



**MAREENA MARIYA  
ABRAHAM (8.98)**



**MARY JEETHU A J (8.7)**

**S8 ECE**



**PALATTY JESVIN JOSEPH  
(8.92)**



**ANJANA K P (8.92)**



**ARYA C (8.83)**



**SOORAJ O R (8.83)**



**NAYANA P N (8.83)**



**KRISHNAPRIYA (8.75)**

## Programme Educational Objectives (PEOs)

- I. Graduates shall have fundamental and advanced knowledge in electronics and communication engineering along with knowledge in mathematics, science and computing and get employed in national or international organizations or government agencies.
- II. Graduates shall have ability in analyzing, designing and creating innovative solutions which lead to a lifelong learning process or higher qualification, making them experts in their profession thus helping to solve electronics & communication engineering and social problems.
- III. Graduates shall have good organizing capability, presentation skills, communicating ability, leadership, team work and ethical practices.

## Programme Outcomes (Pos)

The Program Outcomes of Under-Graduate programs in Electronics & Communication Engineering are :

Students will have:

- a. Ability to apply knowledge of mathematics, science and engineering in the field of Electronics & Communication engineering.
- b. Ability to design and conduct experiments, analyze and interpret data and results in Electronics & Communication engineering.
- c. Ability to design Electronics & Communication systems, components, or processes to meet the desired needs within realistic constraints such as health and safety, manufacturability and sustainability with economic, environmental, social, political and ethical considerations.
- d. Ability to work individually as well as in multidisciplinary teams as a member or as a leader to accomplish the common goal.
- e. Ability to identify, analyze, formulate, and solve engineering problems.
- f. Knowledge of professional and ethical responsibility.
- g. Ability to communicate effectively in both verbal and written form in any area of their field to the industry, and society.
- h. Broad knowledge necessary to understand the impact of engineering solutions on individuals, organizations and society.
- i. Ability to engage in life-long learning to update their knowledge to keep pace with changes caused by the dynamic nature of the engineering field.
- j. Awareness of contemporary issues that help to integrate advanced and sustainable solutions in the user environment.
- k. Ability to use techniques, skills, and modern engineering tools, software and equipment necessary for designing, developing electronic systems.