

2017

APRIL

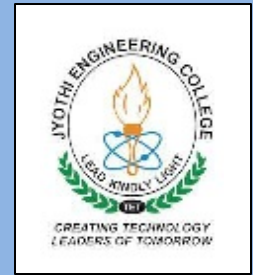
Volume 8

Issue 1

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

- As part of Tharang'17, Dept. of ECE conducted the following events on 08/03/2017:
 - Techathon : A platform to design and develop a model or release a product based on public welfare. 14 teams from various engineering colleges participated. First prize was secured by Bernad Boban,Pranav V ,Shruthy Chandhran,Palatty Jesvin Joseph of JECC. Second prize was secured by Asish Johnson,Geo John,Jeffin C Joy,Jerin Joseph John,Jemin Johnson of JECC and third prize was secured by Alfred C J,Jission Luis,Lijo Joseph,Shinto C Thomas of Royal College Of Engineering &Technology.
 - Techhunt: In this event teams raced against time through the daunting physical and technical tasks, to become the first in finding the hidden treasures. 20 teams from various engineering colleges participated in the event. First Prize Was Secured By Vysakh K R And Team(S6 ECB) from Jyothi Engineering College.
 - Mission Impossible: Each team work as a team to complete each task that will help them to rescue the soldier trapped in enemy camp. 14 teams from Jyothi engineering college participated in the event. First prize was secured by Jerin Reji & Team from Jyothi Engineering College.
 - Paper titled “*Drowsiness detection and Rescue system*” by Ms. Roshni Rajan has been published in International Journal of Science and Research(IJSR)

❖ PLACEMENTS

- Mr. Sandeep C M of S8 ECE B got placed in Torry Harris Business Solutions through placement drive held at Ilahia College of Engineering and Technology on 02/03/17.
- Mr. Antony Sunny & Ms. Mitha Raj of S8 ECE got placed in Vee Technologies Ltd, through placement drive held at JECC on 06/01/2017.

- Ms. Sudeepa S Nair, Ms. Swathi K S & Ms. Aiswarya V of S8 ECE got placed in Byju's the Learning App through placement drive held at Universal Engineering College on 20/01/2017.
- Mr. Vivek Nair & Ms. V S Anjali of S8 ECE B got placed in CSS Corp Ltd, through placement drive held at Rajagiri College of Engineering, Ernakulam on 09/02/2017
- Following students of S8 ECE got placed in Speridian Technologies through the campus placement drive held at Al Ameen college Shornur on 18/02/2017
 - Ajay Roy
 - Antony Sunny
 - Niveditha Sivadasan
 - Shruthi Nair
 - Vivek Nair

STAFF ACTIVITIES & ACHIEVEMENTS

- Paper titled "*Braille Code Conversion to Voice in Malayalam*", by Ms. Bindhu K Rajan & Ms. Anjitha V has been accepted for presentation at 6th IEEE International Conference on Communication and Signal Processing (ICCSP '17) to be held at Adiparasakthi College of Engineering, Melmaruvathur, Tamil Nadu on 06/04/2017 to 08/04/2017.
- Project proposal entitled 'Multi -Tasking Gas Cylinder Trolley' guided by Mr. Jinesh K J, Asst. Professor, ECE has been approved by KSCSTE (Kerala State Council for Science, Technology and Environment) and selected for INNOVATE – TECHFEST 2017 which is to be held during 13, 14 January 2017.

Student Members

- Mr. Melon Jobi ,S7ECE-B
 - Mr. Sajin Thomas ,S7ECE-B
 - Ms. Anjali V S ,S7ECE-B
 - Ms. Veena M V ,S7ECE-B
- Ms. Annie P Augustine joined ECE department as Associate Professor on 09/01/2017.
 - Mr. Jinesh K J, Asst. Professor, attended GP Precursion meeting organized by Vallathol Nagar Gramapanchayath on 06/01/2017
 - Mr. Ponmani Raja, Asst. Professor, attended one day training programme on "*Excellence Growth through NBA*" at Mariot Hotel, Ernakulum on 13/01/2017.
 - Mr. Jinesh K J, Asst. Professor, attended two day programme "FAB Asia Network- FAN3" at Kochi on 17/01/2017 & 18/01/2017.
 - Ms. Shiny M I went as observer for APJ Abdul Kalam Technological University Examinations at IES College of engineering, Chittilappilly on 20/01/2017
 - Mr. Jinesh K J attended two day workshop on "Design & Thinking" organized by Computer Science Department at JECC on 30/01/2017 & 31/01/2017.

- Mr. Jinesh K J, Asst. Professor, attended ASAP Programme coordinators meeting at ASAP Centre, Govt. of Kerala, Vazhuthacaud, Trivandrum on 28/02/2017
- Mr. DipinKrishnan R went as observer for APJ Abdul Kalam Technological University Examinations at IES College of engineering, Chittilappilly on 25/02/2017.
- Mr. Jinesh K J, and Ms. Shiny M I, Asst. Professors, ECE attended ASAP Workshop on “*Training on Trainers*” at ASAP Centre, Vazhuthacaud, Tvm from 07/03/17 to 09/03/17.

STUDENT ACTIVITIES & ACHIEVEMENTS

- The following students of S6 ECA visited Yuva Master mind Project Exhibition organized by Malayala Manorama at Lulu Convention Centre, Thrissur on 27/12/17.
 - Ms. Anugraha Joseph
 - Mr. Bobby Jose
 - Mr. Febin Varghese
 - Mr. Hashim T Abubecker
 - Ms. Maneesha Babu
- The paper titled “*Magnetic Proximity and Intensity Detection*”, by Blessy C Simon, Juval Jojo, Anoop Anto and Femi R Rappai guided by Mr. Abin Johns Raju has been accepted for publication in International Journal of Science Technology & Engineering (IJSTE).
- Project work titled “KAVACH” by Mr. Thejus Tony, Ms. Varadha, Mr. Sooraj O R and Ms. Sophy Shaju of S4 ECE B, mentored by Mr. Jinesh K J and Mr. Abin Johns Raju, Asst. Professors, ECE, JECC, has been selected for presentation at Smart India Hackathon sponsored by MHRD, Govt. Of India at Government College of Engineering Pune on 31/03/17 to 02/04/17
- Mr. Josy Joseph, Ms. Keerthana Haridas, Ms. Ciya James, Ms. Jeslin and Ms. Gopika Unnikrishnan of S8 ECE A secured second prize in project competition, Thejomaya held at Thejus Engineering College on 28/03/17.
- The following project papers has been selected for presentation at the IEEE International Conference on Circuit, Power and Computing Technologies (ICCPCT-2017) to be held at Baseliros Mathew II College of Engineering, Sasthancotta, Kollam district on 20/04/2017 & 21/04/2017
- Pranav V , Shruthy Chandhran, Palatty Jesvin Joseph of S4 ECE B along with Bernad Boban (CSE) , secured first prize in the event Techathon conducted by ECE Dept as part of Tharang 17.
- Vyshak K, Sarath Sathyan, Rinny Babu, Sone Varghese & Nivin Sunny of S6 ECE B, secured first prize in the event Techhunt conducted by ECE Dept as part of Tharang 17.
- Pravitha P and team of S4 ECE B, secured second prize in the event Techhunt conducted by ECE Dept as part of Tharang 17.
- Siji John, Reshma R , Shine Ross and Sreevidya R of S6 ECE B secured third prize in the event Mission Impossible conducted by ECE Dept as part of Tharang 17.
- Mr. Josy Joseph and Ms. Gopika Unnikrishnan of S8 ECE A secured first prize in paper presentation contest, Vibhavana as part of Tharang 17.
- Ms. Sukanya P of S8 ECE B secured second prize in paper presentation contest, Vibhavana as

part of Tharang 17.

- Amal Unnikrishnan, Amal Prem, Akhila Krishnakumar and Anagha Rajeev of S2 ECE A won cash prize and certificate of appreciation for the project “*Van de Graff Generator*” exhibited in Science expo , as part of Srishti 17.
- Arts Fest- Noopura'17
 - Disni Jose of S4 ECE A secured 2nd prize in Sanskrit story writing competition.
 - Krishnapriya & K Chelsea Antony of S4 ECE A secured 2nd prize in Margamkali competition
 - Shruthy Chandran and team of S4 ECE B secured the 1st position in thiruvathirakali competition.
 - Venkatesh K B and team of S6 ECE B secured the 1st position in group dance competition for boys.
 - Maria Treasa and team of S6 ECE B secured the 1st position in group dance competition for girls.
 - Merin Joshy and team of S6 ECE A secured the 3rd position in group dance competition for girls.
 - Vishnu P G of S4 ECE B secured 2nd prize in cartoon competition.
 - Vishnu P G of S4 ECE B secured 1st prize in oil painting competition.
 - Pravitha P G of S4 ECE B secured 1st prize in English Versification competition.
 - Swathi K S of S4 ECE B secured 2nd prize in Malayalam Versification competition.
 - Saniya A S of S4 ECE B secured 3rd prize in Malayalam Versification competition.
 - Nikeeta Saji of S4 ECE B secured 3rd prize in Hindi Versification competition.
 - Sneha M K of S4 ECE B secured 1st prize in Malayalam story writing competition.
 - Siji John of S6 ECE B secured 1st prize in Hindi Versification.
 - Siji John of S6 ECE B secured 1st prize in Hindi Elocution.
 - Siji John of S6 ECE B secured 2nd prize in Hidi Story writing
 - Siji John of S6 ECE B secured 3rd prize in Hindi Essay writing.
 - Siji John and Vinoy George of S6 ECE B secured 2nd prize in Malayalam debate.
 - Avin Jose of S6 ECE A secured 2nd prize in Photography competition.
 - Krishnapriya S of S6 ECE A secured 3rd prize in Bharathanatyam competition
 - Angel Rose of S6 ECE A secured 1st prize in Malayalam Essay writing competition.
 - Hashim T Abubeckar of S6 ECE A secured 2nd prize in Pencil drawing competition.
 - Lakshmi P of S2 ECE A secured 1st prize in Bharathanatyam competition.
 - Chinmayi of S2 ECE A secured 2nd prize in Ganamela and Patritioic song competition.
- Sports-17
 - Disni Jose & Litty Jose of S4 ECE A secured 1st prize in 4*100 Relay race competition.
 - Jeeshma Mohan of S4 ECE A along with team mates secured 2nd prize in Basket Ball.
 - Ashil Mathews and Aparna S of S2 ECE A secured 2nd prize in 4*100 Relay race competition.
 - Kavya of S2 ECE A secured 2nd prize in Discus Throw competition.
 - Ashila Mathews of S2 ECE A secured 2nd prize in Triple Jump competition
 - Ashila Mathews of S2 ECE A secured 3rd prize in long jump competition
 - Aparna S of S2 ECE A secured 3rd prize in 100m race.

- Aparna S of S2 ECE A secured 3rd prize in 100m race.
- The following project papers has been selected for presentation at 4th IEEE International Conference on Innovations in Information, Embedded and Communication Systems (ICIIECS '17) to be held at Karpagam college of Engineering, Coimbatore on 17/03/2017 & 18/03/2017
- The paper titled “*Smart Card Based Public Distribution System*”, by Manoj A, Rahul M Jaypal, Raisy Raphi, Riya P Benny and Christy Paulson guided by Mr. Rijo P C.
- The paper titled “*Wireless Health Monitoring System for ECG, EMG and EEG Detection*”, by Linson K Vincent, Lisiya Varghese, Liya V L, Neethu Johny, Yesudas C V guided by Ms. Nyni K A.
- The paper titled “*Portable Biometric attendance system with automatic updation*”, by Maria Mathews, Niya C K, Reshma K, Sudeepa S Nair, Swathi K S guided by Mr. Jinesh K J.
- The paper titled “*Multitasking EMG controlled robotic arm*”, by Reshma Roy, Neema Mohan, Reynosh Sunny, Shani Cherian, Sreejith Narayanan guided by Ms. Ambily Francis.

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.