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**
  
  ECSA Activities for the academic year 2014-2015 was inaugurated by Fr. Jos Punnoliparambil, Executive Manager on 21/08/2014. Mr. DilinAnand, Senior Asst. Editor, Electronics ForYou Magazine delivered a technical talk on “Three things Every ECE Engineer should Know: Makers, Internet of Things & Big-Data”.

- **AEISA ACTIVITIES**
  
  Applied Electronics & Instrumentation Students’ Association (AEISA) for the academic year 2014-15 was inaugurated on 04/09/2014. The Chief Guest was Mr. Louis P. J., Sr. Manager, Utility, Indian Rare Earth Limited, Aluva. A talk on ‘Instrumentation & PLC’ was delivered by the Chief Guest as a part of the inauguration.
NEW STAFF APPOINTMENTS

1. Mr. Jobin Varghese rejoined the Faculty of Dept. of ECE as Asst. Professor on 01/08/2014 after successfully completing M.Tech Course in Tele Communication Engineering from Mar Baselios College of Engineering and Technology (MBCET), Thiruvananthapuram, Kerala.

2. Mr. Rijo P C joined the Faculty of Dept. of ECE as Asst. Professor on 25/08/2014.

PROFESSIONAL CLUB ACTIVITIES

‘ROBINO –Robotics workshop using Arduino’ Sponsored by ISTE Student Chapter JECC

A two day workshop titled ‘ROBINO - Workshop on Robotics using Arduino Platform’ – Sponsored by ISTE Student Chapter, JECC was organized on 16/10/2014 and 17/10/2014. 43 Students from the Dept. of ECE and Dept. of IT participated in the Workshop. Mr. Jinesh K J, Asst. Professor handled all the sessions of the Workshop.

PLACEMENT INFOSYS

Following 9 students of 2011-15 ECE Batch have achieved placement in Infosys Ltd during the on-campus recruitment process held on 01/10/2014.
Ms. Anusha K B
Ms. Grace Mary C Anto
Ms. Mannya Elizabeth Chandy
Mr. Mathew J Kodenkandath
Ms. Mubeena K
Ms. Nithara Radhakrishnan

Mr. Roshin C Jackson
Ms. Simi Simon P
Ms. Thasneem V A

FEDERAL BANK
Following 6 students of 2010-14 ECE Batch have achieved placement in Federal Bank Ltd during the recruitment process held on 30/10/2014 and 01/11/2014.

Mr. Jan Win Sunny
Mr. Joe Neelankavil
Ms. Neshma A N
Ms. Nivia George
Ms. Rose Mary John
Ms. Shinu Shoby

 sacellom To Ms. Dhanya Nair (Instructor, Dept. of ECE)
A farewell ceremony was organized by the Dept. of ECE to wish farewell to Ms. Dhanya Nair on 14/11/2014. Ms. Dhanya Nair served as Instructor, in the Dept. of ECE for 7 years. Rev. Fr. Jose Punnoliparambil, Executive Manager, Dr. K K Babu, Principal, Er. Thomas Mathew, Administrator, Er. Bobby Peter, Asst. Administrator graced the function with their presence. Dr. Jose P Therattil welcomed the gathering. Management representatives, Dr. Jose P Therattil (HOD), Ms. Sindhu S (Asst. Professor) and Ms. Eleesa Davi, (Instructor) wished their farewell to Ms. Dhanya Nair. Rev. Fr. Jose Punnoliparambil, Exec. Manager presented the memento.

Dr. Jose P Therattil, HOD, ECE addressing the gathering
Rev. Fr. Jose Punnoliparambil, Exec. Manager presenting the memento to Ms. Dhanya Nair
PAPER PUBLICATION

1. Mr. Jinesh K J, Asst. Prof., presented a paper titled “Smart Public Transport System” along with Ms. Rosemary John, Ms. AncyDevassy, Mr. Alwyn Antony, Mr. Joe Neelankavil, Ms. Finky Francis of 2010-14 ECE Batch in the International Conference on Embedded Systems (ICES) 2014, held at Amrita School of Engineering, Coimbatore on 05/07/2014.


7. Mr. Jinesh K J, Asst. Professor along with Ms. Rose Mary John, Ms. Finky Francis, Mr. Joe Neelankavil, Mr. Alwyn Antony, Ms. Ancy Devassy (2010-14 ECE Batch) published a paper titled “Smart Public Transport System” in the Proceedings of the International Conference on Embedded Systems (ICES-2014), IEEE.


SEMINARS / WORKSHOPS CONDUCTED BY FACULTY

1. Mr. Jinesh K Jose, Asst. Professor, Dept. of ECE handled all the sessions of ‘**ROBINO - Workshop on Robotics using Arduino Platform**’ – Sponsored by ISTE Student Chapter, organized by the Dept. of ECE, JECC on 16/10/2014 and 17/10/2014. 43 Students from the Dept. of ECE and Dept. of IT participated in the Workshop.


PARTICIPATION IN FDPs / SEMINARS / WORKSHOPS

1. Mr. Dipin Krishnan R attended an FDP on “Estimation and Coding for Multimedia Processing” from 30/06/2014 to 05/07/2014 at NIT, Calicut.


3. Mr. Abin Johns Raju, Asst. Prof., attended anFDP on Early Career Development sponsored by IEEE at MES Engineering College, Kuttippuram from 09/06/2014 to 13/06/2014.

4. Mr. Vivek Lukose, Mr. Jobin Varghese, Mr. Rijo P C, Ms. Ambily Francis, Ms. Drisya M K, and Ms. Nyni K A have participated in the Faculty Development Programme on “**Concepts Coaching**”, conducted by ICT Academy of Kerala from 12/11/2014 to 14/11/2014 at JECC.

5. Mr. Ponmani Raja M, Asst. Professor participated in the Short Term QIP Sponsored Course on “**RF Circuits and Systems for Industrial Applications**” organized by the Department of Electrical Engineering, IIT Kanpur from 18/09/2014 to 22/09/2014.

STUDENTS’ ACTIVITIES AND ACHIEVEMENTS

UNIVERSITY RESULT

1. 2010-14 Batch ECE secured the first position in 8th Semester B.Tech Examination (April 2014) Results with a pass percentage of 96.72%. The Toppers are:
   I. **Ms. Naiji Joseph** - 9.09 SGPA
   II. **Ms. Sneha Jose** - 8.98 SGPA
   III. **Ms. Nivia George** - 8.91 SGPA
2. 2011-15 Batch ECE secured the 3rd position in 5th Semester B.Tech Examination (May 2013) Results with a pass percentage of 81.97%. The Toppers are:

   I. Mr. Sebastian Joseph - 8.71 SGPA
   II. Ms. Nithara Radhakrishnan - 8.30 SGPA
   III. Ms. Pooja Varma - 8.18 SGPA

3. 2012-16 Batch ECE secured a pass percentage of 77.78% in the 3rd Semester B.Tech Examination (May 2013). The Toppers are:

   I. Ms. Gilta Babu - 8.89 SGPA
   II. Ms. Lincy Vincent - 8.23 SGPA
   III. Ms. Fatima Thasneem - 8.21 SGPA

**STUDENTS’ PROJECT PROPOSALS SELECTED FOR FUNDING AND PARTICIPATION IN “YUVA MASTER MIND-2015” COMPETITION**


**PARTICIPATION IN INTER COLLEGE EVENTS**

1. 7 students from 2011-15 Batch participated in the Workshop on “Verilog Programming” held during EXCIEN 2k14 - IEEE Kochi hub meet held at Viswajyothi College of Engineering and Technology, Vazhakulam held 21/06/2014 and 22/06/2014.

3. Mr. Geo Papachan, Mr. Joe Abraham and Ms. SnehaPauly of 2012-16 Batch attended in the IEEE SAC Sponsored Workshop on “Star Innovator” held at Reva Institute of Technology and Management, Yelahanka, Bengaluru on 22/08/2014 and 23/08/2014. They were selected for 6 week online internship on “Robotics” from 25/08/2014 to 03/10/2014.

4. Mr. Abin Anto K and Mr. Sebastian Joseph (2011-15 ECE Batch) won the second price in the event ‘KARMAJWALA - Circuit Designing and Debugging Contest’ conducted as a part of the National Tech Fest GAMAYA 2k14 on 19/09/2014 to 21/09/2014 by NSS College of Engineering, Palakkad, Kerala.

5. Mr. Bobby Jose (2014-18 ECE-A Batch) won the 1st Prize for his project “Bluetooth based Wireless Controlled Robot using Smartphone” in the Project Expo conducted as a part of NIRMAAN ‘2014 Tech Fest organized by the Dept. of Civil Engineering,CUSAT, Kochin on 17/10/2014 and 18/10/2014.


216x304 to 381x390

Mr. Abin Anto K  Mr. Sebastian Joseph  Mr. Bobby Jose  Mr. Joseph Jeevan

**INDUSTRIAL VISITS / EDUCATION TOUR**

33 Students from 2011-2015 AEI Batch visited Hindustan Aeronautical Limited, Bangalore as a part of their 7 Days Educational Tour to Hyderabad and Bangalore between 05/10/2014 & 12/10/2014 along with Mr. Vivek Lukose, Asst. Professor, Ms. Alice Paul K, Asst. Professor and two parents.

**SOCIAL SERVICE ACTIVIES**

Students from S5 AEI (2012-2016 AEI Batch) visited ‘St. Christina’s Old Age Home’, Pullazhi, Thrissur, as a part of Compulsory Social Service along with Ms. Neethu Rose Thomas, Asst. Professor on 02/10/2014.
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 dynamic nature of engineering field.
(j) Awareness of the contemporary issues that help to integrate advanced and sustainable solutions in the user environment.
(k) Ability to use the techniques, skills, and modern engineering tools, software and equipment necessary for designing, developing electronic systems.