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

Dr. Jose P Therattil rejoined as the Head of ECE Department

Dr. Jose P Therattil rejoined as the Head of ECE Department on 01/04/2013 after completing Ph.D from National Institute of Technology, Rourkela.

Dr. Jose P
Therattil

Inauguration of renovated Department Library

The renovated Department Library was inaugurated by Rev. Fr. Varghese Kuthur, Executive Manager, JECC on 26/07/2013. The following are the new facilities implementedas a part of the renovation:

- A **Library Management Software** and an **Online Access System for Students** (OASYS)
- 300 Additional books added to the stock
- Facility to reserve books online through the intranet
- Reading room space increased to approx.200sq.ft

A provision to donate a book to the Dept. Library as a Birthday present in the name of a student of a particular class, by the students of that class, is also implemented as a part of the renovation.Er. Boby Peter, Asst. Administrator specially appreciated Mr. Abin Johns Raju, Asst. Prof., for implementing this innovative idea.

Rev. Fr. Varghese Kuthur, Executive Manager,
inaugurating the ECE Dept. Library

Interior view of the renovated Dept. Library

Dr. Gylson Thomas, Principal, inaugurating the Library Management Software

Er. Boby Peter, Asst. Administrator inaugurating the Online Access System for Students (OASYS)

Mr. Jinesh K J, Asst. Prof. explaining the features and utilities of the newly developed Library Management Software &Online Access System for Students (OASYS)

STAFF ACHIEVEMENTS

1st Rank in the University (M.Tech 2013 Examination, Kerala University)

Ms. Anjitha V, Asst. Prof., secured the 1st Rank in the M.Tech Examination 2013 in Microwave & Television Engineering (CET, Thiruvanathapuram), University of Kerala.

Ms. Anjitha V

Paper Presentations & Publications

1. Ms. Sarika K T, Asst. Prof., presented & published a paper titled "A novel high speed communication system based on the concatenation of RS and QC-LDPC codes"in the *IEEE - Emerging Research Areas and 2013 International Conference on Microelectronics, Communications and Renewable Energy (AICERA/ICMiCR)* organized by IEEEat AmalJyothi College of Engineering, Kanjirappally, Kottayam on 04/06/2013.

Ms. Sarika K T

2. Ms. Krishnapriya S, Asst. Prof., presented & published a paper titled "Germanium-source germanium-channel silicon-drain vertical TFET for low power applications"in the *IEEE - Emerging Research Areas and 2013 International Conference on Microelectronics, Communications and Renewable Energy (AICERA/ICMiCR)* organized by IEEE atAmalJyothi College of Engineering, Kanjirappally, Kottayam on 05/06/2013.

Ms. Krishnapriya S

Online Access for Students (OASYS)

Mr. Jinesh K J, Asst. Prof., developed and implemented a 'Library *Management Software'* and an '*Online Access for Students (OASYS)'* as a part of the ECE Dept. Library renovation. The system has the following features accessible through the Intranet:
1. BookSearch
2. Reservation
3. Access to Course Materials (Videos, E-books, Presentation Slides, Lecture Notes, Seminar & Project Reports, etc..)

Mr. Jinesh K J

STAFF ACTIVITIES

1. Ms. Sarika K T (M.Tech in Telecommunication, NIT, Calicut)rejoined as Asst. Prof. on 01/06/2013
2. Ms. Krishnapriya S (M.Tech in Microelectronics & VLSI Design, NIT, Calicut) joined as Asst. Prof. on 07/06/2013
3. Ms. Sindhu S, Asst. Prof., joined for Ph.D(Part Time) in AmritaUniversity, Coimbatore on 06/08/2013.

STUDENTS' ACTIVITIES

1. ECSA (2013-14) Election was held on 16/07/2013. Following are the Elected Office Bearers:
   a. Secretary   – Mr. Mathew J Kodenkandath
   b. Joint Secretary   – Ms. Anusha K B
   c. Treasurer   – Mr. Sebastian Joseph
2. Talk on *'Fundamentals of Digital Image Processing'* by Dr. Gylson Thomas, Principal, JECC was organized for the Students of 2010-2014 ECE Batch on 15/07/2013.
3. Students from 2010-2014 & 2011-2015 ECE Batchesparticipated in the All Kerala Student Congress – *'Algorythm 2013'* organized by the Local Integrated Network of Kerala IEEE Students at VimalJyothi Engineering College, Chemperi, Kannuron 09/08/2013.
4. Students from 2010-2014 & 2011-2015 ECE Batches participated in the IEEE Kochi HUB WIE Congress – *'Satvika'*organized by IEEE Student Branch, College of Engineering, Chengannurbetween01/08/2013 to 03/08/2013.

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.