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.

STAFF ACHIEVEMENTS

PAPER PUBLICATIONS


PROJECT SELECTED FOR COMPETITION

The project work titled “Crash Messenger” guided by Mr. Jinesh K J, Assistant Professor, ECE has been selected for project competition event in Techtop technical fest, hosted by Sahrdya College of Engineer, Thrissur

Mr. Jinesh K J

TECHNICAL TALKS AND WORKSHOPS BY FACULTY

• Mr. Sreekanth M, Assistant Professor, conducted a workshop on “Robotics” in a session organized by Entrepreneur Development Cell, JECC on 21/01/16.
• Mr. Sreekanth M, Assistant Professor, handled session on “Smart Materials and Structures” in the two day Faculty Development Programme on “Robotics & Industrial Automation” organized by ME Dept, JECC on 10/02/16 & 11/02/16
• Mr. SrEekanth M, Assistant Professor, conducted a talk on “Robotics” at Government College of Engineering Thalassery on 11/03/2016.

Mr. Sreekanth M
STAFF ACTIVITIES

❖ SEMINARS/WORKSHOPS ATTENDED

1. Mr. DipinKrishnan R attended one day ASAP workshop at ASAP centre, Vazhuthakad TVM on 23/11/15.

2. Mr. Abraham P A attended five day Faculty Development Programme on “Signal Processing for Biomedical Applications” at MES college of Engineering Kuttipuram from 16/11/15-20/11/15.

3. Ms. Bindhu K Rajan attended three day faculty development programme on “Computational Electromagnetics” at Cochin University of Science and Technology, Thrikkakara, from 07/12/2015 to 09/12/2015.

4. Ms. Shiny M I attended two day seminar on “Materials, Process and Devices for flexible electronics”, held at PSG Institute of Advanced Studies, Coimbatore, on 14/12/15 & 15/12/15.

5. Mr. Ponmani Raja M. attended two day national level workshop on “Embedded Systems and its applications” organized in association with Vi-Microsystems Pvt. Ltd. Chennai at Ramco Institute of Technology, Rajapalayam, from 21/12/2015 to 22/12/2015.

STUDENTS’ ACHIEVEMENTS

❖ PLACEMENTS

<table>
<thead>
<tr>
<th>CSS Corp. Software Ltd.</th>
<th>Mind Tree</th>
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<tr>
<td>Mr. Vishnu K</td>
<td>Mr. Geo Papachan</td>
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<th>Eureka Forbes Pvt. Ltd.</th>
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<td>Mr. Aswin Baby</td>
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<th>Spatez Technologies</th>
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<td>(Startup initiative at TBI, JECC)</td>
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<td>Ms. Fathima Thasneem</td>
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## PUBLICATIONS BY STUDENTS AND STAFF

<table>
<thead>
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<th>Sl. No.</th>
<th>Title of the Paper</th>
<th>Authors</th>
<th>Conference / journal</th>
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<th>Venue</th>
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<tr>
<td>1</td>
<td>SMART ELECTRONIC GUIDING STICK</td>
<td>GIEJO TONY K, FIYA FRANCIS C, ABHILASH NAIR, MELVI CV</td>
<td>CONFERENCE</td>
<td>ICIIECS'16</td>
<td>Karpagam College of Engineering, COIMBATORE</td>
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<td>2</td>
<td>CASE STUDY OF LOW POWER FLIPFLOP</td>
<td>ANU MARIA C J, ATHIRA K VEERAMANI, GILTTA BABU, PRINCE DAVIS, RESHMA RAJAN K</td>
<td>CONFERENCE</td>
<td>ICIIECS'16</td>
<td>Karpagam College of Engineering, COIMBATORE</td>
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<tr>
<td>3</td>
<td>IMPLEMENTATION OF FLOATING POINT ALU IN FPGA</td>
<td>ANU ANTONY, IGNEISH TOM, JAAS THOMAS, KEVIN JOE ANTHIKKAT, LINCY VINCENT</td>
<td>CONFERENCE</td>
<td>ICIIECS'16</td>
<td>Karpagam College of Engineering, COIMBATORE</td>
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<td>4</td>
<td>COMPARISON BETWEEN SLM-COMPAUNDER, PRECODING-COMPAUNDER TECHNIQUES IN OFDM SYSTEM</td>
<td>ALEX KANGAPPADEN, ANGILA ROSE DANIEL, PEEYUSHA V P, SNEHA P, VISHNUDAS A M PONMANI RAJA</td>
<td>CONFERENCE</td>
<td>ICCPCT'16</td>
<td>NOORUL ISLAM UNIVERSITY, KUMARACOIL, KANYAKUMARI DIST</td>
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<tr>
<td>5</td>
<td>A CASE STUDY ON HUMAN COMPUTER INTERACTION THROUGH VIRTUAL MOUSE</td>
<td>EDWIN ANDREWS, VENUGOPAL K, ARJUN K, ANJALI V S, DEVIKA MOHAN S, SHINY M I</td>
<td>CONFERENCE</td>
<td>ICIIECS'16</td>
<td>Karpagam College of Engineering, COIMBATORE</td>
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<td>6</td>
<td>SIGN LANGUAGE TRANSLATOR</td>
<td>ALICE K PAUL, ALEX JOSE C, ANU P S, NIDHIYA JOSE A, RIJI PAUL C</td>
<td>CONFERENCE</td>
<td>ICIIECS'16</td>
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<td>7</td>
<td>REAL-TIME NONINTRUSIVE MONITORING AND DETECTION OF EYE BLINKING IN VIEW OF ACCIDENT PREVENTION DUE TO DROWSINESS</td>
<td>BINDHU K RAJAN, ANJALI K U, ATHIRAMOL K THAMPI, ATHIRA VJIYARARAMAN, FRANIYA FRANCIS M, JEFFY JAMES N</td>
<td>CONFERENCE</td>
<td>ICCPCT'16</td>
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<td>8</td>
<td>A NOVEL SECURITY ENABLED SPEED MONITORING SYSTEM FOR TWO WHEELERS USING WIRELESS TECHNOLOGY</td>
<td>ABIN JOHNS RAJU, DEEPAK S, SNEHA A, SOWMIYA DEVI V R, SUNITHA V S, SURAJA P JOY</td>
<td>CONFERENCE</td>
<td>ICCPCT’16</td>
<td>NOORUL ISLAM UNIVERSITY, KUMARACOIL, KANYAKUMARI DIST</td>
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<td>9</td>
<td>BRAIN WAVE CONTROLLED SYSTEM FOR PARALYSED PATIENTS</td>
<td>AMBILY FRANCIS, FATHIMA THASNEEM M, ASHWATHI CHANDRASEKARAN, ANUJ K, ASWIN BABY, VISHNU K</td>
<td>CONFERENCE</td>
<td>ICIIECS’16</td>
<td>Karpagam College of Engineering, COIMBATORE</td>
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**STUDENTS’ PAPER ACCEPTANCE**

The paper titled "A Smart way for Home Automation and Security Using Raspberry Pi as Microcontroller" by Lakshmi K K, Liji K J has been accepted for publication in International Journal of Engineering Trends & Technology (IJETT), January 2016.

**STUDENTS ACHIEVEMENTS IN EXTERNAL EVENTS**

Ms. Reshma Rajan and Ms. Melvi C V of S8-ECE got the 1st prize of Rs 3000/- in Circuitronix event organized by EEE Dept. as part of Tharang ’16 held on 19/02/16 & 20/02/16.

Ms. Reshma Rajan  
Ms. Melvi C V

**STUDENTS’ PROJECT WON 3rd PRIZE IN CASTALIA ‘16**

(Tech fest at Vidya Academy of Science and Technology, Thrissur)

The project work titled “Home Automation and Security System” done by Ms. Lakshmi K K, Ms. Liji K J, Ms. Minu Vincent, Ms. Namitha C Anto and Mr. Navajoth P R of S8 - ECE won the 3rd Prize in the Project Expo event in CASTALIA ’16 Techfest Organized by ISTE, IE(I) and IETE – VAST Students Chapters at Vidya Academy of Science and Technology (VAST), Thalakkottukara, Thrissur on 08/04/2016.

Ms. Lakshmi K K  
Ms. Liji K J  
Ms. Minu Vincent  
Ms. Namitha C Anto  
Mr. Navajoth P R
Mr. Amal Thomas of S6 ECE-A got the Special Summary Vision 2016- Campus Ambassador Award, in Thalapilly Thaluk, awarded by Govt of Kerala.

Mr. Josy Joseph of S6 EC A secured first prize for innovative idea presentation in Startup i3 Competition sponsored by Kerala Start up Mission, held at Cochin University of Science & Technology, Muvattupuzha

Mr. Athul C N of S6 EC A completed MOOC course on “Introduction to Steel”.

STUDENTS PARTICIPATION IN EXTERNAL EVENTS

Ms. Franiya and Ms. Jeffy James of S8 ECE participated in techfest conducted by Nehru College of Engineering and Research on 04/02/16 & 05/02/16

41 Students of S3 EC A participated in three days residential training programme on Soft Skill Talent development from 10/12/15 - 12/12/15 at St. Marthoma Church Centre, Azheekode.

STUDENTS’ INTERNSHIP PROGRAMMES

Following students of S6 ECE completed 5 day short term internship programme “Implant Training on Electronics and Communication Engineering” at Keltron Controls, Aroor, Alappuzha from 24/11/15 to 28/11/15


SOCIAL SERVICE ACTIVITIES

19 students of S6 ECEA visited AMMATH Mathrusamrakshana Kendram and ABHAYAM, Kulappully as a part of their social service activities

Two students of S6 ECE A visited Helen Keller Blind Rehabilitation Centre, Vaniyamkulam as a part of their social service activities
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.