

Vision

To become a centre of excellence in electrical and electronics engineering through high quality technical education with emphasis on holistic excellence

Mission

To inculcate ethical professionalism through value based quality education as to equip the students with appropriate skills for a meaningful career and holistic excellence and promote creative engineering ideas for the benefit of the society

Programme Outcomes

- Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Programme Educational Objectives

- Graduates shall have a good foundation in the fundamental and practical aspects of Mathematics and Engineering Sciences so as to build successful and enriching careers in the field of Electrical Engineering and allied areas.
- Graduates shall learn and adapt themselves to the latest technological developments in the field of Electrical & Electronics Engineering which will in turn motivate them to excel in their domains and shall pursue higher education and research
- Graduates shall have professional ethics and good communication ability along with entrepreneurial skills and leadership skills, so that they can succeed in multidisciplinary and diverse fields.

Program specific outcomes

Graduates possess

- 1) Ability to have good foundation in theoretical and practical aspects of Electrical & Electronics Engineering.
- 2) Ability to model, analyze, design and realize physical systems, components or processes thereby adapt themselves to the latest research and developments in the field of Electrical & Electronics Engineering.
- 3) Ability to communicate and work professionally as well as take up entrepreneurial endeavors in the field of Electrical Engineering and allied areas for the benefit of the society.

FACULTY ACHIEVEMENTS

- 1.Mr. Jenson Jose and Ms.Aathira K.V has been Honored as TIER 2 PERFORMERS for their exemplary service to the Jyothi Family during academic year 2016-17
- 2.Mr.Ratnan P (HOD EEE) , Ms Aswathy Rajan , Ms Saritha P,Ms.Sreethumol M.V , Mr. Jithi Jose, Dr.Jarin T, Ms.Nisha P.V has participated in the Faculty Development Program “Empowering Teachers for Student Success” from 17th to 24th July-17
- 3.Mr Akhil A Balakrishnan and Mr.Abin Roy has participated in the National Workshop on “Computational Neuroscience and Muscular Modelling” at NSS college of Engineering Palakkad from 20th to 22nd July-17
- 4.Dr. Shijoh V has been awarded PhD from NIT Calicut.
- 5.Topic: Artificial Neural network based modeling state estimation and control of autonomous hybrid systems
- 6.Dr. Jarin T, Assoc. Professor, Dept. of EEE in association with Prof. X.Z. Gao, Machine vision and Pattern Recognition Laboratory, Lappeenranta University of Technology Finland published a research paper titled on “FPGA Based Analysis of Non – Deterministic PWM in Induction Motor Drives in the Asian Journal of
- 7.September 2017 as the part of Post Doctoral research in his research area .
- 8.Ms. Anu Sunny, AP, EEE attended one week STTP on “ Hands on Training on Power System Software” from 27/11/17 to 01/12/17 at GEC, Thrissur
- 9.Mr. Jithin K Jose, AP,EEE & Mr. Kapildas K S , AP, EEE attended One week FDP on “Emerging Technologies in Green Energy System” from 27/11/2017 to 01/12/2017 at NSS College of Engineering, Palakkad in association with IEEE Malabar subsection.
- 10.
- 11.Ms. Reshma Raj, AP, EEE and Mr.Akhil A Balakrishnan attended one week STTP on “ Control Systems: Theory & Applications” from 4/12/17 to 8/12/17 at GEC, Thrissur.
- 12.Ms. Della David, AP, EEE attended one week National level workshop on “Recent advances in renewable energy technologies & smart micro grids” from 11/12/18 to 15/12/18 at MES ,Kuttipuram.
- 13.Dr.Shijoh .V, Assoc.Prof. EEE and Mr.Jithin K Jose Asst. Prof EEE, acted as resource persons for one day talk on NBA-Accreditation at Thiagarajar Polytechnic, Alagappanagar, Thrissur.

STUDENT ACHIEVEMENTS

- 1.Ms. Anu Anto (S2 M.TECH, PE) & Ms. Anu Sunny (AP,EEE) published a research paper titled “A High Voltage Gain DC-DC Converter for DC Microgrid” in the “ICICT 2017” held at Vimal Jyothi Engineering College,Kannur during 6th and 7th July 2017.
- 2.Ms. Aiswarya Raj (S2 M.TECH, PE) & Dr.Jarin T (Asso.Prof ,EEE) published a research paper titled “A revamped model of single phase stepper five level inverter ” in the “ICICT 2017” held at Vimal Jyothi Engineering College, Kannur during 6th and 7th July 2017.
- 3.Ms. Hridya P (S2 M.TECH, PE) & Ms.Saritha P (AP ,EEE) published a research paper titled “High gain Single Stage Inverter ” in the “ICICT 2017” held at Vimal Jyothi Engineering College,Kannur during 6th and 7th July 2017.
- 4.Mr. David Mathew (S2 M.TECH, PE) & Ms.Della David (AP ,EEE) published a research paper titled “Interleaved boost converter with maximum power point tracking ” in the “ICICT 2017” held at Vimal Jyothi Engineering College,Kannur during 6th and 7th July 2017.
- 5.Ms. Sherin K .P (S2 M.TECH, PE) & Mr.Shijoh V (AP ,EEE) published a research paper titled “Interleaved voltage fed DC-DC converter with capacitive filter for high altitude wind power applications ” in the “ICICT 2017” held at Vimal Jyothi Engineering College,Kannur during 6th and 7th July 2017.
- 6.Paul Mohan and Kiran Elias of S5 EEE students secured second Prize in the district Level online Quiz competition "Dr A.P.J. Abdul Kalam Energy Quiz 2017" conducted by KSEB Engineers Association
- 7.Ms. Geethanjali P.G of S7 EEE (2014 Adm) , secured state level ISTE Best Student award for the year 2016-2017 .

PAPER PRESENTATIONS AND PUBLICATIONS

1. Ms. Jismi Vincent (S4 M.TECH PE) & Ms. Aathira K V (AP,EEE) published a research paper titled “ Improved non – isolated Bidirectional DC – DC Converter with High Voltage Gain for PV Hybrid Power Systems in the ICCPCT - 2017 held at Baseli Mathews II College of Engineering , Kollam during 20th & 21st April 2017.
2. Ms. Tania Augustine (S4 M.TECH PE), Mr. Jenson Jose(AP,EEE) & Ms. Aswathy Rajan (AP,EEE) published a research paper titled “ Phase SHIFT and Duty Cycle Control of Interleaved Boost Three Port Converter with Multiplier Rectifier” in the ICCPCT - 2017 held at Baseli Mathews II College of Engineering , Kollam during 20th & 21st April 2017.
3. Ms. Jismi Vincent (S4 M.TECH PE) & Ms. Aathira K V (AP,EEE) published a a research paper titled on “ Non – isolated Bidirectional DC – DC Converter for PV Hybrid Power Systems” in a National Conference on Energy and Environment Management held at NSS Palakkad during 16th & 17th March 2017.
4. Ms. Anu Anto (S2 M.TECH, PE) & Ms. Anu Sunny (AP,EEE) published a research paper titled “A High Voltage Gain DC-DC Converter for DC Microgrid” in the “ICICICT 2017” held at Vimal Jyothi Engineering College,Kannur during 6th and 7th July 2017.
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MAJOR EVENTS

1. PG Induction ceremony was organized on August 1st. A talk was delivered by Dr. Abraham P Mathew on Scope of Higher Education and Research
2. 41 students of S5 EEE and 2 Faculty members [Ms Aswathy Rajan and Mr Kapildas K S] visited Tolins Tyre factory and 110 kV KSEB Viyyur Substation on 12th August 2017
3. Department of EEE organized “Engineers Day” Celebration in association with IEI (India) on 15/09/2017. Dr. Jagadanand, Prof. NIT Calicut was the chief guest. He delivered a talk on “Theme – roll of Engineers in building India”
4. Prof. Ratnan P , HOD EEE Dept. attended the Principals and HOD’s meeting called by KTU on November 20th at College of Engg Trivandrum

INDUSTRIAL VISIT

- 41 students of S5 EEE (2015 Admission) accompanied by 2 faculty members Ms. Aswathy Rajan and Mr. Kapil Das K S went for an Industrial visit to 110kV substation ,Viyyur and Tolins Tyre factory, Kalady on 12/8/17 and 13/8/17



- 54 students of S7 EEE (2014 Admission) accompanied by 2 faculty members Prof. Ratnan P and Ms. Aathira K V went for an Industrial visit to 11kV substation at Wonderla, Bangalore and CPRI, Bangalore on 12/10/17 and 13/10/17



An expert talk was delivered to S7 EEE (2014 Admission) students on “ Microgrid and Renewable Energy Systems” by Dr. Kumaravel S, AP, EEE NIT Calicut on 29/06/2017



NEWLY JOINED FACULTY

- i. Mr. Jithin K Jose joined as Assistant Professor in the department on 17/7/17.
- ii. Ms Nisha P V joined as Assistant Professor in the department on 17/7/17.



Mr. Jithin K Jose



Ms. Nisha P V

Department of EEE organized “Engineers Day” Celebration in association with IEI (India) on 15/09/2017. Dr. Jagadanand, Prof. NIT Calicut was the chief guest. He delivered a talk on “Theme – roll of Engineers in building India”



Mr. Shijoh V has been awarded with PhD degree from the prestigious National Institute of Technology Calicut on 14/08/2017 for his work on “ Artificial Neural Network based Modeling State Estimation and Control of Autonomous Hybrid Systems



Mr. Shijoh V

As per the data of the results of S5 University Examinations (2014 Admission Batch) released through the Net by the Calicut University, Department of EEE in Jyothi Engineering scoring an overall percentage of 53.62%.

Mr. Jenson Jose and Ms. Aathira K.V has been Honored as TIER 2 PERFORMERS for their exemplary service to the Jyothi Family during academic year 2016-17



Mr. Jenson Jose



Ms. Aathira K.V



Ms. Veena P
SGPA 8.93

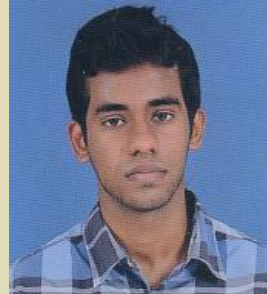


Ms. Sumayya Thasnee
SGPA 8.64



Ms. Anjali Ashokm
SGPA 8.57

Paul Mohan and Kiran Elias of S5 EEE secured second Prize in the district Level online Quiz competition "Dr A.P.J. Abdul Kalam Energy Quiz 2017" conducted by KSEB Engineers Association.



Mr. Solomon Joseph of S7 EEE, got placed in the campus recruitment drive held at Jyothi Engg College, Cheruthuruthy on 16/11/17 by AMAZON, the world's largest electronic commerce and cloud computing company based at Washington, USA.



Ms. Geethanjali P.G of S7 EEE , secured state level ISTE Best Student award for the year 2016-2017 .

