

DEPARTMENT NEWSLETTER

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

JYOTHI ENGINEERING COLLEGE



Vision: - To become a center of excellence in electrical and electronics engineering through high quality technical education with an 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 Educational Objectives: -

- 1) Graduates shall have a good foundation in the fundamental and practical aspects of Mathematics and Engineering Sciences to build successful and enriching careers in the field of Electrical Engineering and allied areas.
- 2) 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.
- 3) 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.

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.

MAJOR EVENTS

- Department of Electrical & Electronics Engineering in association with Institution of Engineers (India) of Jyothi Engineering college students chapter organized a two-day workshop titled " Hands-on Experience on Energy Audit" on 06-01-2021 & 07-01-2021.The resource person for the program was Mr. Santhosh A, Energy Auditor, Athul Energy consultants Pvt Ltd.



FACULTY ACHIEVEMENTS

- Dr.Chirappanath Bazil Albert, joined our department as Associate Professor and Ms.Della David bid goodbye to our department.
- Mr.Jithin K. Jose, AP-EEE conducted 5 days workshop on NBA at LEAD College of Management, Dhoni, Palakkad, from 4th to 8th May 2021.
- Dr.Chirappanath Bazil Albert, Associate Prof, EEE Dept. conducted a webinar on "Job Opportunities in Engineering" organized by ICCS College of Engineering and Management, Inchakundu, Thrissur on 18/06/21.
- Dr. Jarin T , Published a Paper "An Empirical Verification of the Proposed Distribution Marketing Intelligence System" on International Journal of Business Information System,June 2021.
- Dr. Jarin T Published a Paper "An overview of security issues in Internet of Things Based smart environments" on EAI Endorsed Transactions , June 2021.
- Dr.Shijoh V., published a Book chapter "Hospital Assistance Robots Control Strategy and Machine Learning Technology", in Machine Learning for Robotics Applications , in the book series Springer Singapore.

STUDENTS ACHIEVEMENTS

- Telma Johnson ,S4 M-Tech Power Electronics & Dr.Shijoh V, Asso.Prof,EEE published a Book chapter "Novel State Disturbance Based Multi-level Inverter with Sliding Mode Control", in Data Intelligence and Cognitive Informatics, in the book series Algorithms for Intelligent Systems, Springer Singapore.

STUDENTS ACHIEVEMENTS - PLACEMENT



Abdul Haseeb
Placed in Infosys



Amritha Ashok
Placed in Infosys, EY, Sutherland &
Thinkpalm Technologies



Anitta Savy
Placed in TCS, Quest Global &
6d Technologies



Arthana P
Placed in Infosys



Dheeraj P.M
Placed in TCS



K.U Mansoor
Placed in Quest Global &
Cognizant



Kapildev M.K
Placed in Infosys



Kunmath Rahul
Placed in Accenture & 6d
Technologies



Sneha J.P
Placed in Infosys, Quest
Global & Wipro.