



What's New

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Vision

To become a leading Centre of Excellence in higher learning and research, and to facilitate the transformation of students into good human beings and competent professionals recognized nationally and globally.

Mission

- Focus on assimilation, generation and dissemination of knowledge in the field of Electronics and Communication Engineering.
- Practice and inculcate high standards of professional ethics, transparency and accountability.
- Provide an academic environment that fosters leadership, research aptitude and promotes life-long learning.
- Increase the visibility of academic programs globally and attract talent at all levels.

Revolutionizing Power Electronics: Power Integrations Unveils World's First 1.700V GaN Switch IC.

Power Integrations has recently launched a new, single-stage offline power supply IC within its InnoMux-2 family. This innovative IC features multiple independently regulated outputs and utilizes the company's PowiGaN technology. Notably, this solution is the first on the market to incorporate a 1,700-V Gallium Nitride (GaN) switch, enhancing energy efficiency and overall system performance.

This development marks a significant step forward in power electronics, offering improved efficiency and performance for a wide range of applications such as industrial power supplies, consumer electronics, and automotive systems. With the integration of GaN technology, Power Integrations is setting a new standard in the industry, enabling smarter, more compact, and energy-efficient power solutions, which are also more environmentally sustainable.



International Journals 2024 Research Publications by Faculty of ECE (July-Dec)



Student Corner

Engineering Brilliance Beyond Borders

Mohd Umar and Mohammad Anas Majid, Electronics and Communication Engineering students at Jamia Millia Islamia, exemplify the impact of global internships. Supported by the DAAD WISE Scholarship, Umar interned at Coburg University, Germany, developing advanced robotics algorithms with Hokuyo LIDAR sensors and MATLAB. He tackled challenges like noise in LIDAR data, creating a robust person-tracking system.

Meanwhile, Anas interned at École Polytechnique de Montréal, Canada, enhancing computer vision for traffic monitoring. Using YOLO and HOTA metrics, he improved object detection and tracking in diverse conditions. Their experiences showcase innovation's role in shaping future leaders through global research exposure.

ECE Department Clinches Victory in Thrilling Football Championship Final



In an intense inter-departmental football championship finale, the ECE department defeated the CS department in a thrilling penalty shootout, winning 4-3. The match showcased high-energy action, with ECE's goalkeeper making incredible saves and the team displaying remarkable composure under pressure. This victory highlights ECE's achievements beyond academics, emphasizing unity, skill, and determination. Congratulations to the team for their outstanding performance and for bringing pride and glory to the ECE department.

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