

AICTE Launches Model Curriculum for UG Degree in Electrical Engineering

New Delhi, 29 November 2024:

The Chairman of the All India Council for Technical Education (AICTE), Prof. T.G. Sitharam, launched the Model Curriculum for Undergraduate Courses in Electrical Engineering, alongside the Expert Committee led by Prof. Prem Kumar Kalra, Ex VC Dayalbagh Educational Institute.

In his keynote address, Prof. Sitharam appreciated the entire committee of experts for their contribution. He emphasized that the curriculum is designed with the primary goal of fostering excellence and promoting innovation in technical education, specifically in the field of Electrical Engineering. "Our vision for this curriculum is to equip students with industry-relevant skills that meet global standards, preparing them to thrive in an increasingly competitive and rapidly evolving technological landscape. By emphasizing critical thinking, ethical leadership, and an entrepreneurial mindset, this curriculum aims to develop not only competent engineers but also leaders who can drive change in society and the industry," he stated.

Prof. Sitharam further highlighted that a key feature of this model curriculum is its focus on practical, hands-on training. Students will have exposure to industry training, field visits, and internships, ensuring they are not only prepared but truly industry-ready. This approach aligns with global standards, equipping students to tackle real-world challenges from day one. A distinctive feature of the curriculum is its emphasis on practical learning, including an internship program aimed at providing hands-on experience within industrial settings.

The curriculum also offers elective courses focusing on emerging fields like artificial intelligence and machine learning, ensuring that students are equipped to address contemporary challenges. Stakeholders are encouraged to introduce additional electives, such as minor specializations and micro-credit courses, allowing students to pursue specializations in interdisciplinary areas. This flexibility enhances students' understanding of the industry, boosting their employability and industry relevance.

This model curriculum is designed in the presence of industry leaders to prepare students for real-world challenges, build competencies for emerging fields such as renewable energy and AI-powered electrical systems, enhance electrical safety, promote research and innovation, and align with national goals like Atmanirbhar Bharat.