
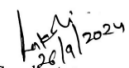
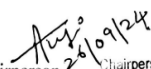


**Name of the Activity: Expert Lecture on Application of Artificial Intelligence in Electrical Engineering.**

Name of department/ Section/ cell conducting the activity	Department of Electrical Engineering
Topic of Lecture	Application of Artificial Intelligence in Electrical Engineering.
Date of conduct	27 <sup>th</sup> September, 2024
Activity Coordinator	Dr. Sakshi Kalra
Amount Spent	5000/-
Funding/ grant from (University/ Industry/ UGC/ AICTE/ DST/ TEQIP/ Outside Society/ agency/others(mention))	Department Fund
Target audience:	B.Tech (5 <sup>th</sup> Sem Electrical, 7 <sup>th</sup> Sem, Data Science, 3 <sup>rd</sup> sem Electrical)
No. of beneficiaries	50
Outside guests/ Details of Experts	Prof. Rajneesh Sharma Chairperson, Department of Instrumentation and Control Engg. NSUT, New Delhi
Notice	 <p>J. C. Bose University of Science and Technology, YMCA, Faridabad (formerly YMCA University of Science and Technology) A State Govt. University established wide State Legislative Act. No. 21 of 2009 SECTOR-6, FARIDABAD, HARYANA-121006 DEPARTMENT OF ELECTRICAL ENGG.</p> <p style="text-align: right;">Date: 26-09-2024</p> <p><b>Subject:</b> Expert Lecture on "Application of AI in Electrical Engineering" on 27<sup>th</sup> September, 2024</p> <p>It is hereby informed that the department is organizing an expert lecture on "Application of AI in Electrical Engineering" on 27<sup>th</sup> September, 2024 from 10:30 am onwards by Prof. Rajneesh, Department of Instrumentation and Control Engg., NSUT, New Delhi.</p> <p>It is mandatory for B.Tech 3<sup>rd</sup> Sem, faculty and staff members of the department to attend the same.</p> <p style="text-align: right;">               26/9/2024              Coordinator         </p> <p style="text-align: center;">               Chairperson              Department of Electrical Engg.              J.C. Bose University of Science and Technology, YMCA, Faridabad         </p> <p>Copy to:</p> <ul style="list-style-type: none"> <li>• Faculty Coordinator</li> <li>• Notice Board</li> </ul>

<p>Brief Description of the event</p>	<p>The Department of Electrical Engineering organized an expert lecture on the topic “Application of Artificial Intelligence in Electrical Engineering” on 27<sup>th</sup> September 2024. The expert lecture was delivered by Prof. Rajneesh Sharma, Chairperson, Department of Instrumentation and Control Engg. NSUT, New Delhi.</p> <p>The lecture aimed to enlighten students, faculty, and professionals about the potential and current applications of Artificial Intelligence (AI) in electrical engineering, emphasizing its transformative impact on the field.</p> <p>The lecture began with a brief introduction to Artificial Intelligence, focusing on its evolution and the various branches like machine learning (ML), deep learning (DL), and neural networks. The speaker emphasized how AI, initially a domain of computer science, has now infiltrated various engineering fields, including electrical engineering.</p> <p>The lecture highlighted several key areas where AI is being integrated into electrical engineering like in Power Systems Optimization, Fault Detection and Diagnosis, Renewable Energy Systems, Smart Grids and IoT Integration ,Electric Vehicles (EVs), Control Systems.</p> <p>The session also covered the challenges faced while implementing AI in electrical systems, such as data collection, integration of AI models with legacy systems, and the requirement for high computational resources. The session concluded with a Q&amp;A segment, where participants raised questions about real-time applications of AI in electrical projects.</p> <p>In the concluding remarks, the Chairperson Prof. Anju Gupta, delivered the vote of thanks, expressing gratitude to the expert for the enlightening session. The Chairperson highlighted the importance of such expert lectures in bridging the gap between academic knowledge and real-world applications, and thanked the attendees for their active participation.</p>
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