Name of the Activity:

Expert Lecture on 'Applications of AI in Electrical Engineering' at 11:30 a.m. on 26th July 2022 .

Name of department/ Section/ cell conducting the activity	Department of Electrical Engineering
In coordination with (if any)	----
Date of conduct	26th July 2022
Activity Coordinator	Ms Rachna Assistant Professor, Department of Electrical Engineering, JCBUST, YMCA, Faridabad
Amount Spent	Rs 10,000/
Funding/ grant from (University/ Industry/ UGC/ AICTE/ DST/ TEQIP/ Outside Society/ agency/others (mention)	Department fund
Target audience:	Electrical (6th sem) students
No. of beneficiaries	85
Outside guests/ Details of Experts	Dr Rajneesh Sharma Professor, NSUT Delhi

Brief Description of the event	

About The Speaker

Name: Prof. (Dr.) Rajneesh Sharma
Designation: Professor, NSUT Delhi

Expert Lecture on Applications of AI in Electrical Engg. (26/7/22)

Date & Time 11:30 am 26/7/22

Brief Summary of the Event

Prof. Rajneesh briefed about the various AI techniques. Discussed about supervised, unsupervised and reinforced learning methods. Brief discussion on fuzzy logic and how to implement fuzzy logic.

Applications of AI in Electrical Egg. for various tasks, Robotics Arm movements, thermal heating of transformers etc.

Key Deliverables
★ Concept of AI
★ AI techniques
★ Various type of learning
★ Implementation of AI techniques
★ Application of AI in Robotics
★
★ Application of AI in thermal heating of tr.

Photo

Discussion & Feedback

Q: How AI techniques can be implemented in electrical engg. problems?

Ans: Implementation of AI techniques depend upon problem it varies acc. to nature of problem. e.g. for forecasting problems ANN is used, for maximizing and minimizing problems Genetic algorithm is used.

Q: What is deep learning and How does it Relate to AI?

Ans: Deep learning is a type of machine learning that uses algorithms meant to function in a manner similar to human brain.

Feedback

lecture delivered on AI is very useful in the implementation of these techniques in Electrical Eng.

Aryo
26/07/22
Anurag Sharma

1) Good lecture on AI

2) The lecture was very helpful to know the basic concept of AI and what areas can be discovered for research purpose.
Ankita
27/07/22

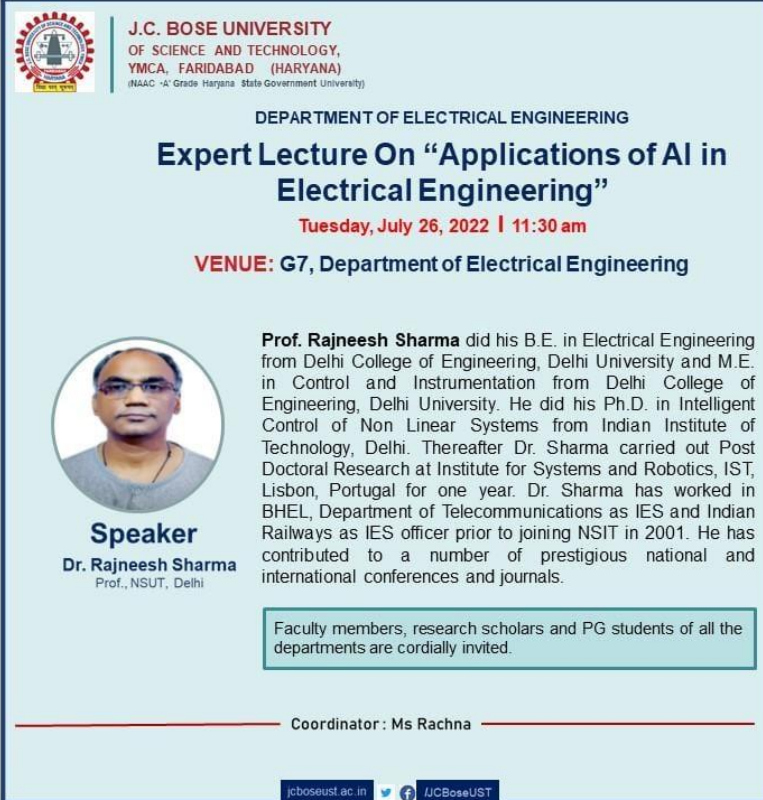3. Lecture was Informative & was explained in detail. I fully enjoyed the Lecture
27/7/22

Attach Brochure of the event	 **J.C. BOSE UNIVERSITY** OF SCIENCE AND TECHNOLOGY, YMCA, FARIDABAD (HARYANA) (NAAC 'A' Grade Haryana State Government University) DEPARTMENT OF ELECTRICAL ENGINEERING **Expert Lecture On "Applications of AI in Electrical Engineering"** **Tuesday, July 26, 2022	11:30 am** **VENUE: G7, Department of Electrical Engineering** **Speaker** **Dr. Rajneesh Sharma** Prof., NSUT, Delhi **Prof. Rajneesh Sharma** did his B.E. in Electrical Engineering from Delhi College of Engineering, Delhi University and M.E. in Control and Instrumentation from Delhi College of Engineering, Delhi University. He did his Ph.D. in Intelligent Control of Non Linear Systems from Indian Institute of Technology, Delhi. Thereafter Dr. Sharma carried out Post Doctoral Research at Institute for Systems and Robotics, IST, Lisbon, Portugal for one year. Dr. Sharma has worked in BHEL, Department of Telecommunications as IES and Indian Railways as IES officer prior to joining NSIT in 2001. He has contributed to a number of prestigious national and international conferences and journals. Faculty members, research scholars and PG students of all the departments are cordially invited. Coordinator : Ms Rachna jcboseust.ac.in /JCBoseUST
Attach two/three good quality photographs	