



Region 10
IEEE PES MSIT Student Chapter
EVENT: EXPERT LECTURE REPORT
“AI BASED MOTION CONTROL”

Chapter Advisor	Chairperson	Vice-Chairperson	General Secretary	Treasurer	PR Representative
Dr. Jyoti Jain	Jigyasa Kaur Chawla	Priyanshu Prasad	Ifra Siddiqua	Subrat Priya Ranjan	Pranav Sood

POSTER OF THE EVENT



Date: 23 April 2024

Time: 9:00-10:00 AM IST

Platform: Seminar Hall 406, MSIT

- On the occasion of 7th edition of IEEE PES DAY, the **IEEE PES STUDENT BRANCH CHAPTER, MSIT** advisor **Dr. Jyoti Jain** hosted an expert lecture on the topic “AI based motion control” by **Dr. Prerna Gaur**, in association with IEEE PES-IAS, PELS DELHI CHAPTER, and EEE department of MSIT who is the Campus Director at NSUT, New Delhi, and the First Woman Chair Elect 2023 for IEEE India Council. The topic of the lecture was “AI based motion control”.

- In this lecture, application of AI in different fields like Drone, Bigger data precise control of motor, CNC machine, Robotics, AI-Powered Assistants, Autonomous vehicles, Travel and Transport, Automotive industry etc. were discussed. Different research areas in AI, application and advantages of PMSM (permanent magnet synchronous motor) in mobility were also discussed.

- **Mr. Pranav Sood**, the **PR Representative** of **IEEE PES MSIT**, delivered a warm introduction, highlighting Dr Gaur’s various achievements.

- Additionally, **Dr. Prerna Gaur** was honored with a plant memento presented by **Dr. Archana Balyan**, Director MSIT, **Dr. Anupama Kaushik**, Branch Counselor, IEEE MSIT, and **Dr. Jyoti Jain**, Chapter Advisor, IEEE PES MSIT.

- Throughout the session, **Dr. Prerna Gaur** skillfully shared her experiences and insights of AI, not only captivating the audience but also imparting invaluable knowledge that enriched the learning experience for all participants.

- She received applause throughout as she shared her inspiring journey filled with numerous achievements.

- Brief introduction of Expert Lecture was summarized by **Dr. Archana Balyan**, Director MSIT. The vote of thanks was delivered by **Dr. Jyoti Jain** (Associate Professor, EEE) expressing gratitude to **Dr. Prerna Gaur** for her time, insights, and inspirational journey.

- This interactive lecture was deemed a great success and was attended by all members of **IEEE PES MSIT Student Chapter**, several **IEEE MSIT Execom** members, as well as MSIT students. **Dr. Jyoti Jain**, the Chapter Advisor for **IEEE PES MSIT**, **Prof. Archana Balyan**, Director MSIT, **Prof. Meena Tushir**, HOD EEE and **Dr. Anupama Kaushik**, Branch Counselor, IEEE MSIT were also present during the event.

Submitted by

Dr. Jyoti Jain

23-4-24

ATTENDANCE

Total – 80+

IEEE Members – 20+

Non-IEEE Members – 60+

ORGANIZING COMMITTEE

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PHOTOGRAPHS OF THE EVENT



