

Report on Expert Lecture: Energy Conservation – Regenerative Braking

Organized by: Department of Electrical and Electronics Engineering, Maharaja Agrasen Institute of Technology (MAIT)

Date: 31st March 2025

Time: 11:00 AM

Mode: Online (Zoom)

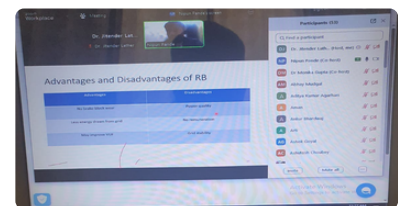
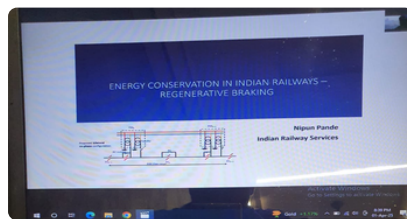
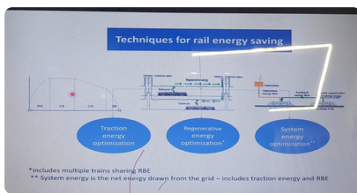
Speaker: Mr. Nipun Pande, Director, Government of India, Additional Development Commissioner, Handloom Ministry of Textiles

Introduction

The Department of Electrical and Electronics Engineering at MAIT successfully organized an expert lecture on "Energy Conservation – Regenerative Braking." under the guidance of Dr. Monika Gupta, HOD, EEE. The session aimed to educate students and faculty on sustainable energy solutions, focusing on regenerative braking technology and its impact on energy efficiency. A special thanks to Prof.(Dr.) J.V. Desai, Director General, MAIT for arranging the distinguished speaker.

Key Highlights

- Mr. Nipun Pande provided an in-depth understanding of regenerative braking technology, explaining how it contributes to energy conservation and sustainability in the electrical and automotive industries.
- The lecture covered practical applications, including Indian Railways, electric vehicles (EVs), and industrial automation, where regenerative braking plays a significant role.
- The discussion emphasized the importance of energy-efficient systems in modern transportation and the role of innovation in sustainable engineering.
- A Q&A session allowed participants to clarify doubts and gain industry-specific insights directly from the speaker.



Conclusion

The webinar was highly informative and engaging, providing participants with valuable knowledge on energy conservation through regenerative braking. The session enhanced awareness of energy-efficient technologies, contributing to students' academic and professional growth. The Department of Electrical and Electronics Engineering at MAIT looks forward to organizing more such expert sessions to bridge the gap between academia and industry.

Head of Department (EEE): Dr. Monika Gupta
Faculty Coordinator: Dr. Jitender Lather
Student Coordinator : Harshdeep Singh