

ATAL Online 6 Day Faculty Development Programmes 2025-26 Schedule

Application Number: 1748513732

FDP Title: Design, Development, and Optimization of Electric Vehicles for a Green Future

Start Date: 6th October 2025

End Date: 11th October 2025

Day 1	Day 2	Day 3	Day 4	Day 5	Day 6
6:00PM to 6:30PM Inaugural Session Patron: Prof. Dr. Pragati Kumar, Vice Chancellor, SMVDU	6:00PM to 7:30PM Session 3 Topic: AI Powered Predictive Maintenance of EV Motors Name of the Expert: Dr. Ramesh Singh Designation & Organization: Senior Product Manager, Tata Elxsi Bangalore. Years of Exp: 16	6:00PM to 7:30PM Session 5 Topic: Thermal and Efficiency Optimization of MOSFET Switches in EV Inverter Systems Name of the Expert: Dr. Viranjay M. Srivastava Designation & Organization: Honorary Associate Professor, Birmingham City University Years of Exp: 20	6:00PM to 7:30PM Session 7 Topic: Electric Vehicle Supply Strategy using the Model for International EV Trade Name of the Expert: Minal Chandra. Designation & Organization: Senior Scientist, CSIR- CRRl, New Delhi Years of Exp: 15	6:00PM to 7:30PM Session 9 Topic: Optimization for Electric Vehicles charging Name of the Expert: Dr. Anup Shukla. Designation & Organization: Assistant Professor, IIT Jammu. Years of Exp: 12	2:00PM to 3:30PM Session 11 Topic: Propulsion system in Electric Vehicles Name of the Expert: Mr. Manik Abrol Designation & Organization: System Engineer, Alstom Years of Exp: 10
6:30PM to 8:00PM Session 1 Topic: Power Of Optimization For Sustainable Smart Product Development Name of the Expert: Ramesha B S Designation & Organization: Head of Academic Initiatives, Altair Engineering Years of Exp: 12.	7:30PM to 9:00PM Session 4 Topic: Advanced Control and Optimization Strategies for Modern Electric Vehicle Powertrains Name of the Expert: Dr Anjanee Kumar Mishra Designation & Organization: Assistant Professor, Netaji Subhas University of Technology Years of Exp: 10	7:30PM to 9:00PM Session 6 Topic: Impact of Industry 5.0 for Sustainable, and Resilient Manufacturing of Electric Vehicles and Related Technologies Name of the Expert: Prof. Ghanshyam Singh Designation & Organization: Professor, University of Johannesburg Years of Exp: 20	7:30PM to 9:00PM Session 8 Topic: Advanced Power Electronics for Electric Vehicle Chargers: Towards Efficient and Bidirectional Energy Flow Name of the Expert: Dr. Arun Kumar Verma. Designation & Organization: Associate Professor, IIT Jammu. Years of Exp: 15	7:30PM to 9:00PM Session 10 Topic: Hybrid Electric Vehicle Evolution in the 21st Century: Toward Green and Sustainable Mobility Name of the Expert: Prof.(Dr.) Obbu Chandra Sekhar Designation & Organization: Professor,National Institute of Technology Delhi Years of Exp: 15	3:30PM to 5:00PM Session 12 Topic: Advanced Power Converters for EV Charging Systems Name of the Expert: Dr Krishna Kumar Gupta Designation & Organization: Assistant Professor, Thapar Institute of Engg. & Technology Years of Exp: 10.
8:00PM to 9:30PM Session 2 Topic: Digital Twin Laboratories: Transforming EV Engineering Education Through Virtual-Physical Integration Name of the Expert: Sajeeth Kumar Designation & Organization: Founder & CEO, Reynlab Technologies Years of Exp: 23					5:00PM to 6:30PM Session 13 Topic: Electric Vehicle Emulator Research Platform with Trucontrol RapidControl Prototyping Controller Name of the Expert: Nilesh Thakare Designation & Organization: Product Manager , Entuple Technologies Pvt. Ltd. Years of Exp: 20
					6:30PM to 7:30PM Online test through ATAL portal & feedback
					7:30PM to 8:00PM Valedictory Session