

Energy Institute, Bangalore & Assam Energy Institute, Sivasagar

Centre of Rajiv Gandhi Institute of Petroleum Technology Jais, Amethi – 229304, UP.

&

MG Motor India Private Limited

Jointly organizing

A Five-day Online Faculty Development Programme

on

**“Recent Advances in Electric Vehicle and Renewable Energy Integration:
Challenges, Solutions and Opportunities”**

(Under Assistance to Professional Bodies & Seminar / Symposia Scheme-SERB)

SCHEDULE

Day 1: 23.01.2023 (Monday)

Time	Topic of Lecture	Resource Persons
10.00 a.m. – 10.30 a.m.	<i>Inaugural and Welcome note</i>	
10.30 a.m. – 12.30 p.m.	Battery Management Systems	Sunderesan M.A , Head -New Technologies, Ashok Leyland Limited
<i>Lunch Break</i>		
02.30 p.m. – 04.30 p.m.	Motor Selection and Advanced Motor Electric drive techniques in Electric vehicle	Dr. Ranjan Kumar Behera , Associate Professor, IIT Patna

Day 2: 24.01.2023 (Tuesday)

Time	Topic of Lecture	Resource Persons
09.00 a.m. – 11.00 a.m.	Current Scenario in EV Charging with PMO (Public Metered Outlets)	Mr. V. Chandra Shekhar , Senior Director, Power Engineering, C-DAC, Trivandrum
<i>Break</i>		
11.15 a.m. – 01.15 p.m.	MPPT techniques and impact of partial shading in solar PV systems	Prof. Saravana Ilango , NIT Trichy
<i>Lunch Break</i>		
02.30 p.m. – 04.30 p.m.	Grid Synchronization techniques of RES using pre-filter based PLL's	Dr. B. Chittibabu , Assistant Professor, IITDM.

Day 3: 25.01.2023 (Wednesday)

Time	Topic of Lecture	Resource Persons
09.00 a.m. – 11.00 a.m.	Degradation and reliability of PV modules	Birinchi Bora , Deputy Director (Technical), National Institute of Solar Energy Gurgaon
<i>Break</i>		
11.15 a.m. – 01.15 p.m.	Advanced Control Strategies for Reliable Renewable Energy Integration	Dr . Deepak Reddy Pulla Guram , Assistant Professor, IIT Kharagpur
<i>Lunch Break</i>		
02.30 p.m. – 04.30 p.m.	Vehicle to grid Charging Infrastructure	Dr. G. R. Chandramouli , Assistant Professor, Electrical Sustainable Energy Department, Delft University of Technology (TU), Delft

Day 4: 26.01.2023 (Thursday)

Time	Topic of Lecture	Resource Persons
09.00 a.m. – 11.00 a.m.	Advancements in Motor controllers for Electric Vehicles	Dr. Sivasankari Sundaram , Assistant Professor, Energy Institute Bengaluru (Centre of RGIPT).
<i>Break</i>		
11.15 a.m. – 01.15 p.m.	Methods to enhance PV array output power under abnormal conditions	Dr. M. Chakkarapani , Assistant Professor, Assam Energy Institute, Sivasagar (Centre of RGIPT).
<i>Lunch Break</i>		
02.30 p.m. – 04.30 p.m.	Battery Charging Technology for new generation e-Bus	Dr. B. Dastagiri Reddy , Assistant Professor, NIT Surathkal

Day 5: 27.01.2023 (Friday)

Time	Topic of Lecture	Resource Persons
09.00 a.m. – 11.00 a.m.	Fuel Cell based EV: Scenario in India	Prof. Akshay Kumar Rathore , Singapore Institute of Technology
<i>Break</i>		
11.15 a.m. – 01.15 p.m.	Resilience of urban public electric vehicle charging infrastructure to flooding	Guru Raghav Raman , Research Fellow, National University of Singapore.
<i>Lunch Break</i>		
02.30 p.m. – 04.30 p.m.	Electric Vehicle Charging Infrastructure	Mr. Sameer Jindal , Product Engineering Director, MG Motor India Private Limited New Delhi.
04.30 p.m. – 05.00 p.m.	<i>Feedback and Valedictory</i>	