



**Dr. N.G.P. Institute of Technology**  
(An Autonomous Institution)  
Coimbatore-641 048

*Department of Electrical and Electronics Engineering*

*Cordially invites you for the*

***Value-Added Course***

***On***

**Electric Vehicle Technology**

06.08.2024 to 10.08.2024

**Mr. Vinoth R & Mr. Jagan Kumar K R**

TVS Training and Services,

Chennai - 600 058

Will be the resource person

**Dr. Nalla G. Palaniswami**

Chairman, Kovai Medical Center and Hospital

**Dr. Thavamani D. Palaniswami**

Secretary, Dr. N.G.P. Institute of Technology

Will preside

**Dr. O.T. Buvaneswaran**

Chief Executive Officer, KMCRET

**Dr. S. U. Prabha**

Principal, Dr. N.G.P. Institute of Technology

Will felicitate

**Dr. C. Kathirvel**

Professor and Head, Department of EEE

**Venue:** A Block – East Seminar Hall

**Time:** 9:30 AM



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## **Electric Vehicle Technology**

06.08.2024 to 10.08.2024

Session Schedule

<b>S.no</b>	<b>Day</b>	<b>Content</b>
1	06.08.2024	Human Safety
2		Vehicle Architecture
3	07.08.2024	FN - Motors in EV
4		AN - Power controllers in EV
5	08.08.2024	Battery technology
6	09.08.2024	BMS
7	10.08.2024	FN - Battery charging technology
8		AN - Thermal management system in EV



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VAC – Course Outcomes

**Outcome of the program**

**On successful completion of the EVT-VAC, the students are able to,**

- ✓ Understand the architecture of Electric Vehicle and its components.
- ✓ Compare different types of Motor & Battery.
- ✓ Testing of EV components.
- ✓ Understand the selection of major components in EV.
- ✓ Understand the design parameters for EV design.
- ✓ Assembly and dismantling the Electric Bike.
- ✓ Understand the EV role in Indian Market.
- ✓ Charger characteristics demonstration.
- ✓ Demonstration with HV PPE - 8 Cal/cm<sup>2</sup> kit and rescue rod