

ELECTRIC VEHICLE - CENTRE OF EXCELLENCE

Sri Manakula Vinayagar Engineering college and TVS Training & Services signed a Memorandum of Understanding (MoU) to establish a Centre of excellence in Electric Vehicle. The centre of Excellence laboratory will be set up at the SMVEC campus and training will be provided by TVS Training & Services.

The MoU was signed by Dr.V.S.K.Venkatachalapathy, Director cum Principal, Sri Manakula Vinayagar Engineering college, and Mr. Mohammed Samiuddin, Deputy General Manager, TVS - Training & Services on 28.3.2024.

This centre of Excellence will be equipped with state-of-the-art facilities to provide a conducive environment for research and is expected to make a valuable contribution to the development of electrical vehicle technology. It will serve as a hub for research, innovation, and collaboration in electric vehicle cutting-edge technology.

Also, it will provide a platform for the exchange of knowledge and idea to facilitate the development of skills and expertise in this field. TVS - Training & Services will take care of Training, Assessment and placement support.

Shri. M. Dhanasekaran, Chairman and Managing Director SMV trust, Dr. K. Narayanaswamy, Secretary, Shri. D. Rajarajan, Treasurer, Controller of Examinations, Dean Academics, Dean Research and Development, Dean Placement, Deans of various schools, Heads of various departments had participated in this MoU signing event.



MoU for Electrical Vehicle - Centre of Excellence was signed by Dr.V.S.K.Venkatachalapathy, Director cum Principal, Sri Manakula Vinayagar Engineering college, and Mr. Mohammed Samiuddin, Deputy General Manager, TVS - Training & Services

Preamble for Electric Vehicle -Centre of Excellence


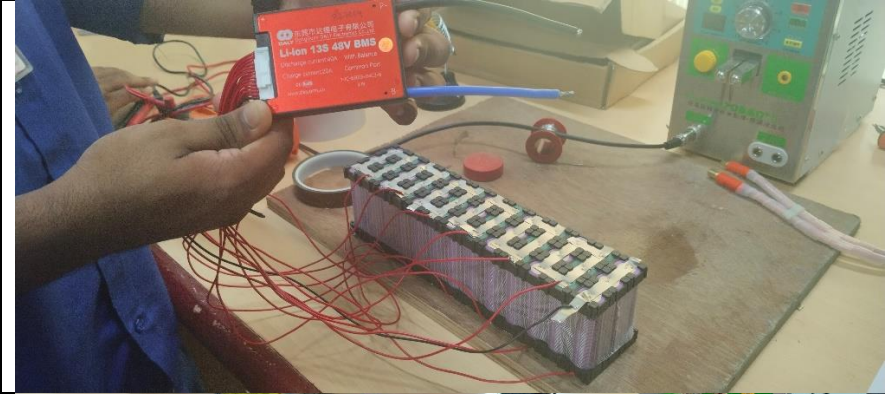
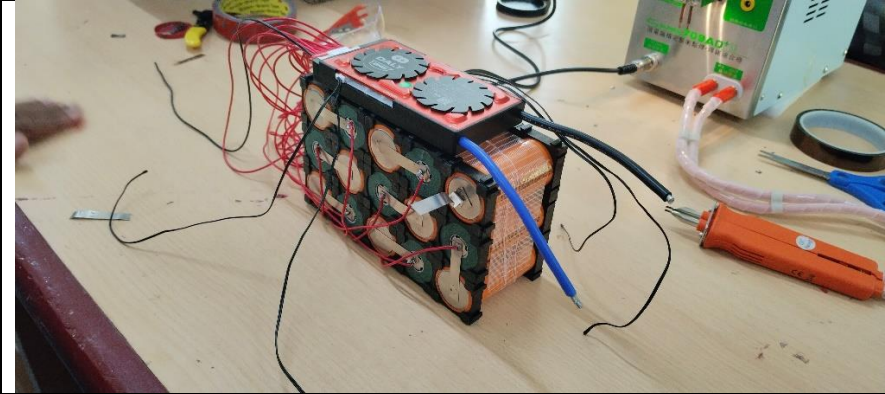
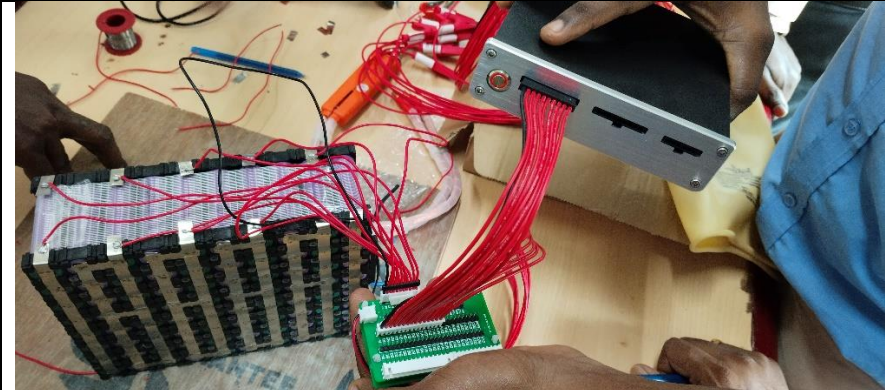
Sri Manakula Vinayagar Engineering College and TVS Training & Services signed a Memorandum of Understanding (MoU) and established a Centre of Excellence in Electric Vehicles.

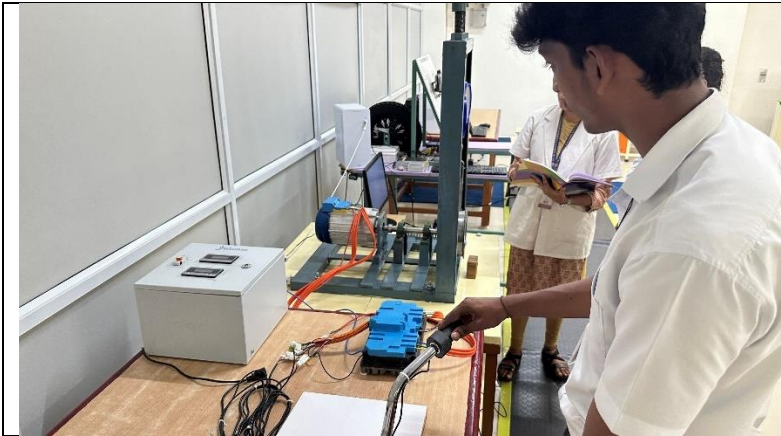
This centre of Excellence has been equipped with state-of-the-art facilities to provide a conducive environment for research. With the investment of Rs.50 lakhs, Electric Vehicles Centre of Excellence is focussed on areas like BLDC/PMSM Motor Testing, Battery Management System, Cell Tester, ADAS Simulator and EV car setup.

It will serve as a hub for research, innovation, and collaboration in electric vehicle cutting-edge technology. Also, it will provide a platform for exchanging knowledge and ideas to facilitate the development of skills and expertise in this field for Students and Faculties. This centre of excellence provides value-added Industrial training with placement support.



Electric Vehicle - Centre of Excellence

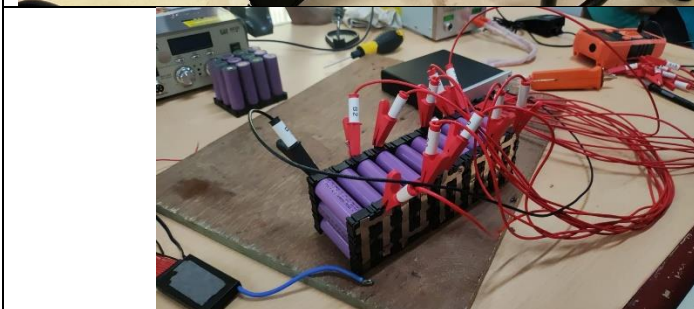
	<p>Spot Welding Machine</p>
	<p>connection of 48V Battery management system (BMS), 40A,13 Series , with NMC cell pack of 40 pieces</p>
	<p>Smart Battery management system (BMS), 48V, 40A,15S with LPF cell pack of 15 pieces</p>
	<p>Battery pack equalizer 24S 5A with Active balancer with Bluetooth and Cell Assembler</p>



Electric motor testing for PMSM and BLDC



Cell testing upto 8 channel



Battery pack equalizer with Active balancer with Bluetooth and Cell Assembler



Electric vehicle station

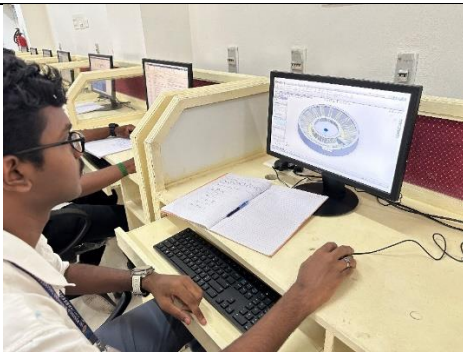


BMS continuously monitors battery voltage, current, and temperature to ensure safe operation.



Advanced Driver Assistance System (ADAS) simulator

Hands on experience through MATLAB and Ansys Simulation software





5-days ‘Training Programme on Electric Vehicles’ for students through the Electric Vehicle-Centre of Excellence laboratory in our college premises.



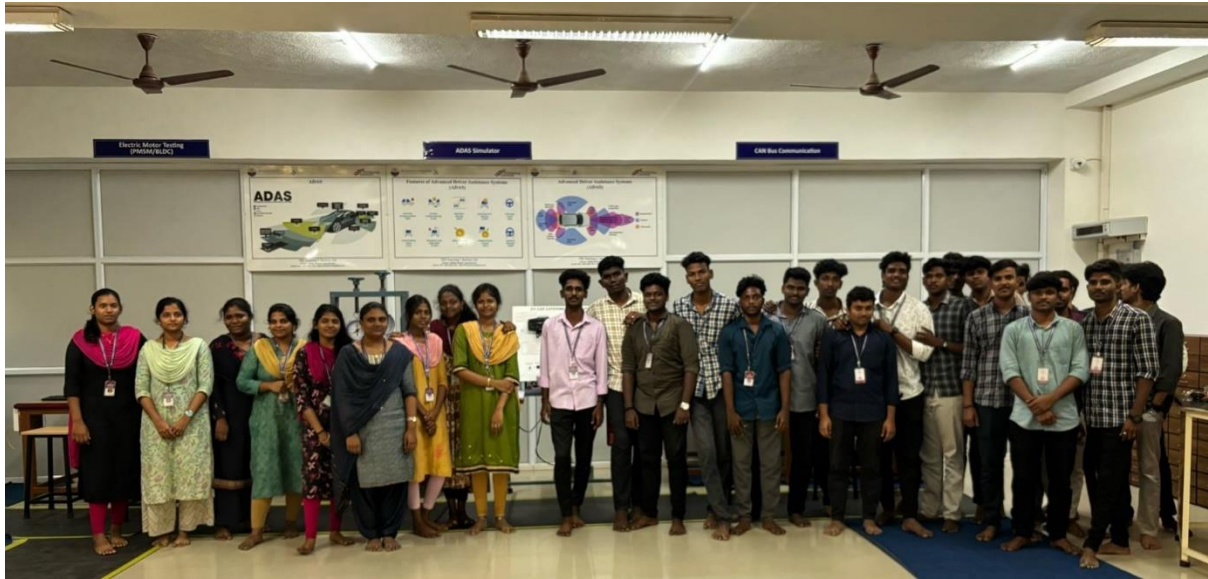
The 14th batch of the 5-day Training Program on Electric Vehicles was conducted from 18th August to 22nd August 2025



The 13th batch of the 5-day **Training Program on Electric Vehicles** was conducted from **21st July to 25th July 2025**.



The 12th batch of the 5-day **Training Program on Electric Vehicles** was conducted from **7th July to 11th July 2025**.



The 11th batch of the 5-day **Training Program on Electric Vehicles** was conducted from **March 24, 2025, to March 28, 2025.**



The tenth batch of the 5-day **Training Program on Electric Vehicles** was conducted from **March 17, 2025, to March 21, 2025.**



The ninth batch of the 5-day **Training Program on Electric Vehicles** was conducted from **January 27, 2025, to January 31, 2025.**



The eighth batch of the 5-day **Training Program on Electric Vehicles** was conducted from **January 20, 2025, to January 24, 2025.**



The seventh batch of the 5-day **Training Program on Electric Vehicles** was conducted from **January 6, 2025, to January 10, 2025.**



The sixth batch of the 5-day **Training Program on Electric Vehicles** was conducted from **October 3, 2024, to October 10, 2024.**



The fifth batch of the 5-day **Training Program on Electric Vehicles** was conducted from **September 25, 2024, to October 1, 2024.**



The fourth batch of the 5-day **Training Program on Electric Vehicles** was conducted from **September 18, 2024, to September 24, 2024.**



The third batch of the 5-day **Training Program on Electric Vehicles** was conducted from **September 10, 2024, to September 14, 2024.**



The second batch of the 5-day **Training Program on Electric Vehicles** was conducted from **September 2, 2024, to September 9, 2024.**



The first batch of the 5-day **Training Program on Electric Vehicles** was conducted from **August 26, 2024, to September 2, 2024.**

Gallery-Electric Vehicle Centre of Excellence



