

## Eligibility

- ❖ Faculty Members / Research Scholars / B.Tech. / M.Tech. students who are actively involved in the field of basic or allied sciences or engineering.
- ❖ Industry professionals who are actively involved in R&D.

## General Information

- ✓ No registration fees.

For registration; Please scan



## Contact

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## Chief Patron

Dr. G. Viswanathan, Chancellor, VIT Vellore

## Patrons

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## Convenor

Prof. Devendranath Ramkumar K, Dean-SMEC, VIT, Vellore, India

## Co-Convenors

Prof. B. Ashok, HOD, Automotive Engineering, VIT Vellore

Prof. M. A. Asokan, HOD, Thermal and Energy Engineering, VIT Vellore

Prof. C. Pandivelan, HOD, Manufacturing Engineering, VIT Vellore

Prof. Benedict Thomas, HOD, Design and Automation, VIT Vellore

## Organising Secretaries

Dr. K. Nanthagopal, Dept. of Automotive Engineering, SMEC, VIT Vellore

Dr. R. Prakash, Dept. of Thermal and Energy, SMEC, VIT Vellore

Dr. D. Sakthivadivel, Dept. of Thermal and Energy, SMEC, VIT Vellore

Dr. Tabbi Wilberforce Awotwe, Kings College, London, UK

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VIT®

Vellore Institute of Technology  
(Deemed to be University under section 3 of UGC Act, 1956)

## School of Mechanical Engineering

## One day Online Workshop on Electric Vehicle Powertrains

June 28, 2023



In association with



Funded by



As a part of Going Global Grant 2022

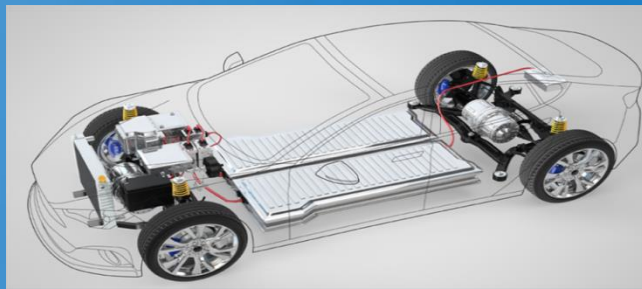
# Vellore Institute of Technology (VIT)

Vellore Institute of Technology was founded in 1984 as Vellore Engineering College by the Founder and Chancellor Dr.G.Viswanathan. University status was conferred in 2001 by MHRD Govt. of India in recognition of its excellence in academics, research and extracurricular initiatives.

## Ranking & Accreditation

Vellore Institute of Technology (VIT) has emerged as one of the best institutes in India and is aspiring to become a global leader. Quality in teaching-learning, research and innovation make VIT unique.

- Recognized as an Institution of Eminence (IoE) by the Government of India.
- Engineering and Technology subject areas of VIT are the 240<sup>th</sup> best in the World and the 9<sup>th</sup> best in India, eight subjects of VIT
- are within the top 500 in the world (as per QS World University Rankings by Subject 2023).
- NAAC Accreditation with A++ grade in the 4<sup>th</sup> cycle.
- Ranked among the top 601-700 Universities of the world and one among the top 3 Institutions in India (Shanghai ARWU Ranking 2022).
- 9<sup>th</sup> best university of India, 10<sup>th</sup> best in research, 12<sup>th</sup> best in engineering and 18<sup>th</sup> best in overall categories. (NIRF Ranking, Govt. of India 2022).



# School of Mechanical Engineering (SMEC)

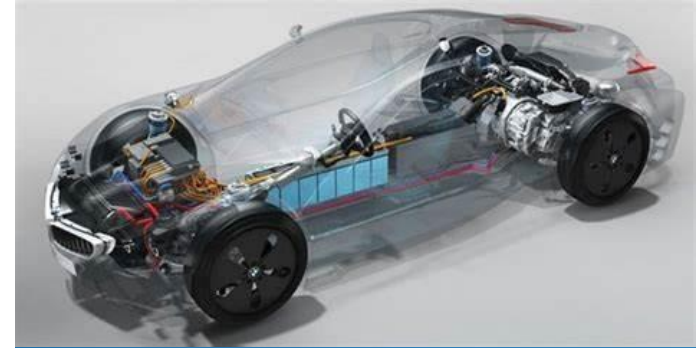
The School of Mechanical Engineering is one of the oldest and most prestigious schools of VIT. This school started functioning right from 1984, the year in which our institution began. The School of Mechanical Engineering offers 3 undergraduate and 5 post-graduate programs. The school has a team of highly qualified faculty members, many holding PhDs from elite Institutes across the globe, to teach and train this country's best minds.

The pride of the school lies in the significant research funding received from several National and International agencies such as DST, DRDO, MNRE, CSIR, CVRDE, CPDA, IE, AR&DB, BRNS, ISRO, UGC, NRB, Royal Academy of Engineering etc.

The Department of Science and Technology, Govt. of India has recognized the school for its research activities and supported it in 2003, 2010 and 2022 under the FIST scheme. The school has modern facilities, enabling cutting-edge research in a wide spectrum of niche technological areas. The school is ranked 501-600 in the World as per THE World University Subject Rankings in 2021. Mechanical and Manufacturing Engineering is ranked within the top 10 in India and top 251-300 in the world as per QS World University Rankings by Subject 2023.

## Objectives of the workshop

- To familiarize the participants with the different research perspectives in the domain of electric vehicles.
- To understand the fundamental concepts of electric vehicle powertrain components.
- To disseminate knowledge & expertise in the field of battery and powertrain integration.



## Speakers

### Session 1: Overview of Electric Vehicle Powertrain System Architecture

**Dr . B. Ashok,**  
Associate Professor and HOD, VIT Vellore

### Session 2: Innovation Technologies for Developing Smart, Sustainable and Safe Vehicles

**Dr. N. Saravanan,**  
Deputy General Manager, Mahindra Research Valley, Chennai

### Session 3: An overview of the Battery value chain, from mine to recycler

**Mr. Shreyas Krishna,**  
Head - Battery Powertrain Integration, Ather Energy Pvt. Ltd, Bangalore.

### Session 4: Fuel Cell Electric Vehicle

**Dr . Karthikeyan Subramanian,**  
Head/Domain Lead- Fuel Cell Electric Vehicle, Advanced Engineering Ashok Leyland, Chennai