



RV COLLEGE OF ENGINEERING®

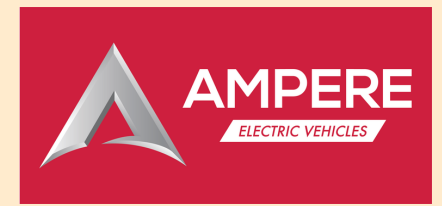
One week Online workshop

"Trends and Opportunities in E-Vehicles"

Dates : 02/05/2022 to 07/05/2022

Under COE E-mobility, RVCE in association with Greeves Cotton Limited

Go, change the world



RV College of Engineering®

R.V. College of Engineering® (RVCE) is established in 1963, an Autonomous Institute and affiliated to VTU, Belagavi. The institution is managed by Rashtrreeya Sikshana Samithi Trust (RSST) a non profit Trust. The trust runs over 25 institutions and RVCE is the flagship institute under the trust. RVCE is today recognized as one of India's leading technical institution. Currently, the institution offers 13 Bachelor, 16 Master Degree programmes and Doctoral Studies and all the departments have research centres, affiliated to VTU Belagavi. The institution has set a Vision "Leadership in Quality Technical Education, Interdisciplinary Research; Innovation, With a Focus on Sustainable and Inclusive Technology". Ranked 77 th in the Country by NIRF. The institution is accredited by NAAC. All the UG programs and eligible PG programs have been accredited multiple times by NBA. The College currently has student strength of about 5600, faculty strength of more than 400, Technical & Administrative Staff of 247 and about 250 Research Scholars are pursuing Ph.D. The institution has filed 32 patents since last two years, of which 22 Patents have been published in the gazette of Indian Patent Office. RVCE has 7 Centres of Excellence.

Center of Excellence E-mobility

CoE in e-Mobility was set up on 11-01-2020 with the motto of establishing a platform for academia and industry to interact, innovate, and co-create newer technologies for the EV industry, all made in India and to encourage energetic students who are hungry for learning, adopting and creating new Technology in the field of E-mobility.

About Greeves Cotton Limited

Greeves Cotton Limited is a diversified engineering company and a leading manufacturer of Cleantech Powertrain Solutions (CNG, Petrol and Diesel Engines), Generator sets, Farm equipment, E-Mobility, Aftermarket spares and services. Greeves Cotton is a multi-product and multi-location company with a rich legacy and brand trust of over 162 years and has established itself as a key player impacting a billion lives every day. The company today manufactures world-class products and solutions under various business units and is backed by comprehensive support from 500+ Greeves Retail Centres and ampere;6300+ smaller spare parts retail outlets across the country. In the mobility segment, the company manufactures 4 lakh plus engines annually, almost 1 engine per minute and provides low TCO mobility solutions to the majority of the population in India, moving more than 1 crore passengers and 5 lakh tonnes of cargo every day. Greeves Cotton augmented its clean technology portfolio in the last mile affordable 2W personal Mobility segment with Ampere Vehicles in 2018.

About the Workshop

Electric vehicles are the future of transportation. Electric mobility has become an essential part of the energy transition and will imply significant changes for vehicle manufacturers, governments, companies and individuals. Electric Vehicles have completely different systems & architecture compared to petrol or diesel vehicles. To explore opportunities in EV sector, one needs to have a deeper understanding of the system, it's dependencies; interconnections, sizing, operating conditions, dynamic behaviors; more. This FDP helps in understanding the electric vehicle technologies and gain appreciable knowledge over the systems.

Workshop Objectives

- To explore recent advancements in the move towards sustainable transportation.
- To enhance the knowledge on EVs among academicians and students.
- To integrate academic experts from India and abroad, researchers and industry leaders to share their expertise in the field of EVs.
- To provide some practical exposure in EV designs.

About the Speakers

Eminent faculties from research institutions / organisations and industry experts who will provide theoretical and practical insights about EVs.

Who can Register

Faculties from academic institutions, research scholars, PG students, developers EVs, and engineers from the industry.

Registration Fee (Including 18% GST)

Industry and Research Organisation	- Rs. 500
Faculty	- Rs. 300
Research scholars and PG students	- Rs. 200

Last date to register :

Registration Link

<https://forms.gle/ZzpLqVTxj4GTBu9L6>

Payment Link

<https://rzp.io/l/d2IkN9Ht7s>



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EVENTS SCHEDULE

"Trends and Opportunities in E-Vehicles"



Major Topics To Be Covered

- Introduction and Benefits of EVs - Basic components and Architecture
- Batteries in EVs
- Power Electronics for Electric Vehicles
- Motors and Motor Controllers in EVs
- Environmental concerns on Electric vehicles
- Multidisciplinary approach in EV
- EV Architecture
- Battery Management Systems in EVs
- V2V Communication(Simulation of ADAS)
- Simulation of EVs
- Safety Testing and Standards
- Assessment and Valedictory

For any queries, please contact

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