



Bhartiya Vidya Bhavan's
SARDAR PATEL COLLEGE OF ENGINEERING
(Govt Aided Autonomous Institute under Univ. of Mumbai),
Mumbai-400058



HSM'S SHRI SANT GADGE BABA COLLEGE OF ENGINEERING & TECHNOLOGY

(Affiliated to DBATU, Lonere) Bhusawal -425203

Organize,

National Level Faculty Development Program (FDP)

On

"ADVANCES IN ELECTRIC VEHICLE INDUSTRY"

Date: 14th November 2022 to 18th November 2022 (VIRTUAL MODE)

In Collaboration with



SAEINDIA Western Section



**INSTITUTION'S
INNOVATION
COUNCIL**
(Ministry of Education Initiative)

**Institution Innovation
Council**



IIIE Mumbai Chapter

Under IQAC

Brief Introduction of Organizations

SPCE: Government Aided Engineering College. The institute is Autonomous and permanently affiliated to University of Mumbai. It has received Grade "A" rating from Govt. of Maharashtra and has maintained a proud tradition of excellent academic records by securing high ranks, gold medals and other awards in the University Exams. Institute offers B.Tech, M.tech and Ph.D. Programs in Civil engineering, Mechanical engineering and Electrical Engineering.

SSGBCOE&T: Hindi Seva Mandal was established as a registered society in 1950 and has to its credit many faculty strengths, cadres, qualifications level of competence and performance to accomplish institutional mission and goals. The Institute was established in the year 1998. The College is approved by AICTE, New Delhi & Government of Maharashtra affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere (Maharashtra State Technological University). Institute offers Undergraduate, Postgraduate Programs in Mechanical, Electrical, Civil, Computer Science, E&TC & AIDS Engineering and Ph.D. programs in Mechanical & E&TC Engineering.

SAEINDIA WS: SAEINDIA is India's leading resource for mobility technology. As an individual member-driven society of mobility practitioners, the ownership of SAEINDIA wrests with its members who are Individuals from the mobility community, which includes Engineers Executives from industry, Government Officials, Academics and Students.

IIIE Mumbai Chapter: IIIE Mumbai chapter is one of the most vibrant chapter of The Indian Institution of Industrial Engineering. It promotes the profession of Industrial engineering consisting of work study O&M, Materials Management, Value Engineering, PERT/CPM, Operation Research, Industrial automation, Financial Management, Statistical Quality Control etc. and other emerging disciplines.

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FDP Co-ordinator

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Program Outline

Session	Topic	Speaker
14-11-2022 10am to 11.30am	Digital Twin in Electric Vehicle Industry	Dr Santosh Rane Faculty and Former Dean Academics, SPCE Mumbai GC Member of SAE India WS
14-11-2022 2.00 pm to 3.30pm	Vehicle Dynamics: EV perspective	Dr S.S.Umale Former Head MED, SPCE Mumbai, GC Member of SAE India WS
15-11-2022 10am to 11.30am	Battery Thermal Management System - BTMS	Prof Dr.S. S. Bhusnoor Professor in Mechanical Engineering, K J Somaiya College of Engineering, SVU, Mumbai
15-11-2022 2.00 pm to 3.30pm	Methods to Analyse the performance of BTMS	Prof Dr.S. S. Bhusnoor Professor in Mechanical Engineering, K J Somaiya College of Engineering, SVU, Mumbai
16-11-2022 10am to 11.30am	Comparison of Performance of Battery Powered Vehicles with conventional vehicles	Prof Dr.S. S. Bhusnoor Professor in Mechanical Engineering, K J Somaiya College of Engineering, SVU, Mumbai
16-11-2022 2.00 pm to 3.30pm	Design Concepts of EV	Dr S.S.Umale Former Head MED, SPCE Mumbai, GC Member of SAE India WS
17-11-2022 10am to 11.30am	Application of Machine Learning in EV industries	Prof Dr Nilesh Raykar Professor, MED, SPCE Mumbai
17-11-2022 2.00 pm to 3.30pm	Application of 3D printing in EV industry	Dr Kiran Bhole Dean R&D, SPCE, Mumbai
18-11-2022 10am to 11.30am	Powertrain Motors and Controllers for EV	Mr Kedar Soman CTO, eBikeGo Pvt Ltd
18-11-2022 2.00 pm to 3.30pm	CAN communication Protocol for EV	Mr Kedar Soman CTO, eBikeGo Pvt Ltd

Who can attend: Faculty Members, Research Scholars, Industrial Professionals and Practitioners are invited. There is No Registration Fees for Participants.

Registration Link: <https://forms.gle/2Z81HS6HQZEC7D716>

A digital E certificate will be provided to all participants based on satisfactory attendance* Participation and Registration rights are kept with organizing team.