

OBJECTIVE



- This international webinar aims to provide participants with a comprehensive understanding of advanced transport engineering challenges and solutions for electric vehicles.
- The sessions will focus on the dynamical modelling, control, and design of electric vehicles for performance evaluation, highlighting subsystem integration, mathematical modelling, and control methodologies for improved efficiency and reliability.
- In addition, the webinar will also address the obsolescence risks in electric vehicles, examining the impact of outdated components, international standards for obsolescence management, and practical strategies adopted in industry.
- Overall, the course seeks to equip attendees with insights into performance optimization, risk management, and sustainable practices for modern mobility systems.

WHO CAN ATTEND



- Assistant Professors/ Associate Professors/ Professors/ Ph.D. scholars/ PG & UG students and Industrial personnel from Electrical, Electronics & Mechanical Engineering background.
- Participation is limited to 250 spots, allocated on a first-come, first-served basis.

WEBINAR CONTENT



- Overview of EV systems and subsystems with modelling, design, and control methodologies.
- Mathematical and algebraic approaches for subsystem analysis and performance optimization.
- Simulation-based evaluation of overall EV performance.
- Obsolescence risks in transportation systems, their impacts, and management strategies guided by international standards and industry practices (Alstom's approach).

CONTACT FOR MORE INFO



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Each participant will receive an E-Certificate

LAST DATE OF REGISTRATION
18th SEPT 2025

Scan to register



No registration Fee



International Webinar on

Performance Evaluation of Electric Vehicles- Design, Control and Obsolescence

Organized by

Department of Electrical Engineering



Hooghly Engineering & Technology College

Approved by AICTE | Recognized by UGC |
Affiliated to MAKAUT | Accredited by NAAC



20th SEPT, 2025



2:00 PM Onwards



**Microsoft Teams
(Online Mode)**



About Us

HOOGHLY ENGINEERING & TECHNOLOGY COLLEGE (HETC) is a Degree Engineering College, run by Hooghly Engineering & Technology College Society, a non-profit making Organization engaged in the promotion of Technical Education amongst the students and the dissemination of scientific knowledge in the Society. A good number of eminent social workers, educationists, public men are directly involved in the Management of the Society. The Managing Committee of the Society consists of eminent Professors, Doctors, Lawyers, and public representatives looking after the different sector of activities of the Society. It is a registered body under the Societies Registration Act 1956. HETC has been established in Hooghly and within a span of 3 years it has become a part of the heritage that Hooghly represents. Hooghly Engineering & Technology College has set from the very beginning, as its goal, quality technical education, which endeavors to achieve high levels of academic excellence. It is planned in such a way that a student can get all facilities and help to reach his destination. The laboratories have been setup not only according to the university syllabus, but also with the state-of-the-art equipment. The HETC can boast of teachers of quality. The discipline is the backbone of any system and the college is duty bound to produce hardcore professionals and an effective system can only give the desired result. The college consists of an academic and administrative building, a library and a vast area of open land, which helps the growth of young talents under healthy and natural environment.

Key Speakers



Dr. Kuntal Mandal

Research and Development Engineer, E-Powertrain, IDIADA Automotive Technology, Santa Oliva, Tarragona - 43710, Spain

- Research & Development Engineer, E-Powertrain Department, IDIADA Automotive Technology, Spain (2024–present).
- Marie Curie Cofund Postdoctoral Fellow, URV, Spain (2022–2025).
- Former Assistant Professor, NIT Sikkim (2017–2022).
- Postdoctoral research at IISER Kolkata & King Abdulaziz University (2012–2017).
- PhD (IIT Kharagpur), M.E. (Jadavpur University), B.E. (Jalpaiguri Government Engineering College) in Electrical Engineering.



Ms. Poulomi Chaudhuri

Obsolescence Expert, Alstom Transport/ MIIOM, IIOU UK Asset Life Management, Service Line Products ALSTOM Transport SA, 48 Rue Albert Dhalenne – 93400 Saint-Ouen – France

- Obsolescence Engineer, Alstom Transport, Paris (2019–present); World Class Engineer (2020), MIIOM Member (2025).
- RAMS Engineer, Alstom Bangalore (2018).
- ILS & Spare Parts Engineer, Alstom Bangalore (2017–2018).
- Assistant Manager (Electrical Design), McNally Bharat Engg., Kolkata (2010–2013).
- Speaker at IIOU Conferences (London 2019, Paris 2025).
- Research publications at ACCET 2016, ICCPEAT 2017.
- M.Tech (IIST Shibpur), B.Tech (WBUT).

Organising Chair

Prof. (Dr.) AVIJIT MAITY

Professor, EE, HETC

Convenor

Dr. SURAVI THAKUR

Associate Professor, EE, HETC

Co-Convenor

Dr. SHILPI SAHA

Assistant Professor, EE, HETC

Organizing Committee

1. Dr. SUHAS DEB

Associate Professor, HOD EE, HETC

2. Mr. ANIKENDU MAITRA

Assistant Professor, EE, HETC

3. Mr. SIBAM GOLDER

Assistant Professor, EE, HETC

4. Mr. RANJIT MAJHI

Senior Technical Assistant, EE, HETC

