



Silver Jubilee Year Celebrations

SILVER SUMMIT

Distinguished Lecture

Research Opportunities in Battery Management System for Electric Vehicles

📅 16 June 2026 Tuesday
🕒 10:00 AM – 12:30 PM
📍 Tejas Seminar Hall



Dr. Prajof P
Assistant Professor
Department of Electrical and Electronics Engineering
National Institute of Technology, Surathkal

Organising Committee

Dr. Vinoth Kumar K
Professor and Associate Head – R&D

Dr. Revathi V
Dean R&D

Dr. Manjunatha
Principal

Organised by
Department of Research and Development



Revathi V
Dean
Department of Research and Development
NEW HORIZON COLLEGE OF ENGINEERING
New Horizon Knowledge Park, Bellandur Main Road,
Near Marathalli, Bengaluru – 560 103

Event Report

Title	Distinguished Lecture on Research Opportunities in Battery Management System for Electric Vehicles	
Department	Research and Development	
Date	From: 16.06.2026	To: 16.06.2026
Time	From: 10:00 AM	To: 12:30 PM

Introduction:

As part of the Silver Jubilee Celebrations of New Horizon College of Engineering, Bengaluru, the Department of Research and Development organized a Distinguished Lecture on “Distinguished Lecture on Research Opportunities in Battery Management System for Electric Vehicles” on 16th June 2026 (Tuesday) from 10:00 AM to 12:30 PM at Tejas Seminar Hall. The programme was conducted in offline mode and witnessed enthusiastic participation from faculty members, researchers, and students from various departments. This programme is technically sponsored by IEEE IES SBC of NHCE and IEEE IES Bangalore Section Chapter.

The distinguished speaker for the event was **Dr. Prajof P**, Assistant Professor, Department of Electrical and Electronics Engineering, National Institute of Technology, Surathkal. The lecture focused on the Research Opportunities in Battery Management System for Electric Vehicles.

Objective of the Event:

The Distinguished Lecture under the *Silver Summit* series was organized to provide students, researchers, and faculty members with insights into emerging research opportunities in Battery Management Systems (BMS) for Electric Vehicles (EVs). The session aimed to enhance participants’ understanding of battery technologies, state estimation techniques, safety considerations, and current research trends in electric mobility.

Event Summary:

The lecture commenced with a welcome address by the organizing committee, followed by an introduction of the guest speaker, Dr. Prajof P. The speaker delivered an informative presentation on the role of Battery Management Systems in improving the performance, safety, reliability, and lifespan of batteries used in electric vehicles.

Key topics discussed included:

- Fundamentals of Battery Management Systems.
- Battery characteristics and performance parameters.
- State of Charge (SOC) and State of Health (SOH) estimation techniques.
- Thermal management and battery safety.
- Fault detection and diagnostics in battery packs.
- Research challenges and opportunities in EV battery technologies.
- Applications of Artificial Intelligence and Machine Learning in BMS.
- Future trends in electric mobility and sustainable transportation.

The session highlighted ongoing research directions and encouraged students to explore interdisciplinary opportunities in energy storage systems, power electronics, embedded systems, and electric vehicle technologies.

Interactive Session:

An engaging question-and-answer session followed the lecture. Participants actively interacted with the speaker, seeking clarification on battery technologies, research methodologies, industry requirements, and higher education opportunities in the EV domain. The speaker addressed the queries with practical examples and research perspectives.

Outcomes of the Event:

The 74 participants which includes 15 faculty members and 59 Students.

- Gained a comprehensive understanding of Battery Management Systems.
- Learned about current research challenges in electric vehicle technology.
- Understood the importance of battery monitoring, safety, and optimization.
- Explored potential research and career opportunities in the EV sector.
- Enhanced their awareness of emerging technologies and innovation in sustainable transportation.

Conclusion:

The Distinguished Lecture on “Research Opportunities in Battery Management System for Electric Vehicles” was successfully conducted as part of the Silver Summit celebrations. The session provided valuable academic and research insights to attendees and inspired students to pursue innovation and research in the rapidly growing field of electric vehicles and battery technologies.

The event concluded with a vote of thanks and appreciation to the speaker for sharing his expertise and knowledge with the 74 participants







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Department of Research and Development

Distinguished Lecture on Research Opportunities in Battery Management System for Electric Vehicles on 16.06.2026



Participant Details (Attendance)

S.No	Name	Department	Signature
1.	Sukhmanpreet Kaur	CSE-2	
2.	Rameshwari	MECH	
3.	Aruna.S	ECE	
4.	S. Ramya	EEE	
5.	ANITHA.A	EEE	
6.	Dr. Pragati Tawpethi	ECE	
7.	Dr. LIPSA DASH	ECE	
8.	Dr. Sampa Das	ECE	
9.	Vinay R	ECE	
10.	PWIRAJAN.T	ECE	
11.	J.V.S Adinologone	ECE	
12.	Dr. Hamsalekha.R	ECE	
13.	Mamta B.S	ECE	
14.	Ajay Sudhar Bah	ECE	
15.	Dr. Vinodh KUMAR K	R&D	
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Dean

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Department of Research and Development

Distinguished Lecture on Research Opportunities in Battery Management System for Electric Vehicles on 16.06.2026 & ICEMCSI 2026 (International Conference) on 17-18 June 2026



Participant Details (Attendance)

S.No	Name of the Student	USN / Roll No	16.06.2026	17.06.2026	18.06.2026
1.	Abhishek Dash	INH2SEEE027-T			
2.	Kenneth Joshua	INH2SEEE010-V			
3.	R. Kiranmala	INH2SEEE037-T			
4.	Madhumitha Vijayakumar	INH2SEEE026-T			
5.	Darshan Sripavanar	INH2SEEE047-T			
6.	Shwetha	INH2SEEE050-T			
7.	K. Jahnvi	INH2SEEE500-T			
8.	Sukrit	INH2SEEE031-T			
9.	Janesh	INH2SEEE034-T			
10.	Darshan Kumar S	INH2SEEE008-T			
11.	Vishwesh Reddy	INH2SEEE517-T			
12.	Kartik U	INH2SEEE025-T			
13.	Darshan	INH2SEEE028-T			
14.	R. Sayit	INH2SEEE001-T			
15.	Chandan .v	INH2SEEE021-T			
16.	S.Vishwaraj	INH2SEEE022-T			
17.	Mansi Arvind	INH2SEEE029-T			
18.	Dhriti Uday	INH2SEEE019-T			
19.	Harini	INH2SEEE020-T			
20.	Harshini	INH2SEEE512-T			
21.	Chinthana.T.U	INH2SEEE026-T			
22.	Archana .B.N	INH2SEEE013-T			
23.	Masud Pana	INH2SEEE012-T			
24.	Rohit L K.S	INH2SEEE006-T			
25.	Baskar Das	INH2SEEE514-T			
26.	Sharan Kumar S	INH2SEEE513-T			
27.	Harish				

Reshathi

Dean
Department of Research and Development
NEW HORIZON COLLEGE OF ENGINEERING
New Horizon Knowledge Park, Bellandur Main Road,
Near Marathalli, Bengaluru - 560 103

	Gokul . V	INH25EE042-T	Govind	Govind
	Abhishek . M	INH25EE017-T	Abhi	Abhi
30.	AKSHAY.M	INH25EE008-T	Akshay . M	Akshay . M
31.	Yashwanth . S	INH25EE038-T	Yashwanth . S	Yashwanth . S
32.	Syed shahid . Al ^o	INH25EE029-T	Shahid . Al^o	Shahid . Al^o
33.	C. Sakina	INH25EE036-T	C	C
34.	Ansika Yadav	INH25EE032-T	Ansika	Ansika
35.	MEETHANA . J.	INH25EE518-T	Meethana	Meethana
36.	SUMATI . S . M	INH25EE538-T	Sumati	Sumati
37.	Sirhana G . p	INH25EE501-T	Sirhana	Sirhana
38.	Aparna Subash	INH25EE515-T	A	A
39.	Lavanya . P	INH25EE511-T	Lavanya	Lavanya
40.	Keerthi Prasad . S	INH25EE507-T	Keerthi	Keerthi
41.	Aman D	INH25EE007-T	A	Aman
42.	Prakash . S . K	INH25EE007-T	Prakash	Prakash
43.	Lathashree S V	INH25EE516-T	Lathashree	Lathashree
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Ravathi

Dean
 Department of Research and Development
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 Near Marathalli, Bengaluru - 560 103