



**Er. PERUMAL MANIMEKALAI  
COLLEGE OF ENGINEERING**  
ACCREDITED BY NAAC WITH 'A' GRADE  
Koneripalli, HOSUR - 635 117.



## DEPARTMENT OF MECHATRONICS ENGINEERING

*Two Days Workshop*

*on*

*“Design of Battery Management System for Electrical Vehicles”*



**Resource Person**  
**Mr.S.V.Sreeraj,**  
**Executive Engineer,**  
**EmCog Solutions, Chennai.**

**Date:** 01-04-2024 to 02-04-2024  
**Time:** 9.00 AM-04.15 PM  
**Venue:** West Block Smart Classroom

**Event Co-ordinator**  
**Mr.N.Manivel,**  
**Asst.Prof/Mechatronics,**  
**Cell:8838224311**



**Convener**  
**Dr.M.Sudhagar,**  
**HOD / Mechatronics,**  
**Cell:9942195322**



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## **DEPARTMENT OF MECHATRONICS ENGINEERING**

### **Two days workshop on "Design of Battery Management System for Electrical Vehicles"**

Two days workshop on "**Design of Battery Management System for Electrical Vehicles**" was started on 01.04.2024 from 9.00 AM at PMC Tech., Hosur Campus. It has been conducted Offline mode to the final year UG students of Mechatronics Engineering. Mr.S.V.Sreeraj, Executive Engineer, EMCOG Solutions was the resource person. Mr.Godson Samuel S student of the final-year Mechatronics Engineering department/PMC Tech., welcomes the gathering. Dr. S. Chitra, Principal/PMC Tech., felicitated and addressed the gathering. In her speech, she explained the importance of the workshop and to up-skill on BMS for electrical vehicles by the students. Moreover, she pointed out the continuous support and encouragement given by PMC Tech., through SAE professional body. Dr M.Sudhagar, HOD, Mechatronics Engineering department also felicitated the gathering and encouraged the student participants to involve themselves in these activities. Around 25 UG Mechatronics students of PMC Tech., participated both in the Forenoon and Afternoon sessions. At the end of the session, students asked many queries and clarified their doubts. The department program coordinator has made all the arrangements for attending the program by the students. The program ends with a vote of thanks proposed by Mr.Sanjeev Kumar S, final-year Mechatronics Engineering department, PMC Tech.

EV technology is constantly evolving, with new advancements and trends shaping the industry landscape. Workshops provide a platform for staying updated on the latest developments in BMS design, enabling participants to adapt to emerging trends and technologies. BMS design directly impacts the performance and longevity of the battery pack in Electrical Vehicles. Workshop provides insights into strategies for optimizing battery performance, such as cell balancing, thermal management, and energy efficiency techniques. In conclusion, "**Design of Battery Management System for Electrical Vehicles**" a workshop for students in the mechatronics department provides them with practical skills, promotes interdisciplinary knowledge, and prepares them for the challenges and opportunities in the rapidly evolving field of Electrical Vehicles.

**A. Photographs of Events:**



