

Report On Webinar-Li-ion Batteries, Where the Technology is Going?-2021

22.10.2021

The Dept. of Electrical & Electronics Engineering and Dept. of Mechanical Engineering jointly organized a webinar in association with MOU partner **ISIEIndia**, supported by IEDC and IIC,SSCE on the topic “**LI-Ion Batteries,Where the Technology is Going ???**” by session Speaker **Mr. Aman Akotkar**,EV Design Engineer on [22/10/2021@2.30pm](#) to all students of Sri sairam college of Engineering,Bengaluru.

The poster features the Sri Sairam College of Engineering logo at the top left, along with accreditation logos for NAAC, ISO 9001:2015, and AICTE. It also includes the SCE 25th anniversary logo. The central text identifies the Department of Electrical & Electronics Engineering and Mechanical Engineering, and the ISIE India partner. The main title is 'Li-Ion Batteries: Where is the Technology Going?' with the date and time 'On Friday 22/10/21 at 2:30 PM'. A guest speaker profile for Mr. Aman Akotkar (EV Design Engineer) is shown. At the bottom, it lists the faculty members: Prof. Malini K V (HOD, EEE), Prof. Balaji V (HOD, MECH), Dr. B. Shadaksharappa (Principal), and Sri Sai Prakash LeoMuthu (Chairman & CEO, Sairam Institutions). Various accreditation and partner logos are displayed at the very bottom.

The Program begun at 2.30 pm on Microsoft team with a welcome note by Prof. Malini k v,HOD,EEE who welcomed all the dignitaries and the resource person, Mr.Aman Akotkar ISIEIndia and Mr. Vikas, ISIEindia Principal Dr.Shadaksharappa, Dr. R Arunkumar, Management Representative, Prof.Balaji, HOD,ME Mr. Patel Trustee & PRO, Sairam Institutions, HOD’s, teaching & non teaching staff, students participated in the webinar.

Dr. B. Shadaksharappa, Principal addressed the gathering, he explained about the importance of changing scenario in power management and batteries,scope for placement opportunities in EV sector for EEE & ME students and appreciated the depts.. for having organized the webinar for improving the knowledge in the latest trends and research areas of NBattery management.Thanked the MOU partner ISIEIndia for their active participation through knowledge sharing and encouraging students to equip themselves in the promising area-EVs and battery technology..

Mr. Aman Akotkar, EV design engineer has addressed the gathering about Battery management, LI-ion batteries, Technologies and future & the opportunities in placements for students.

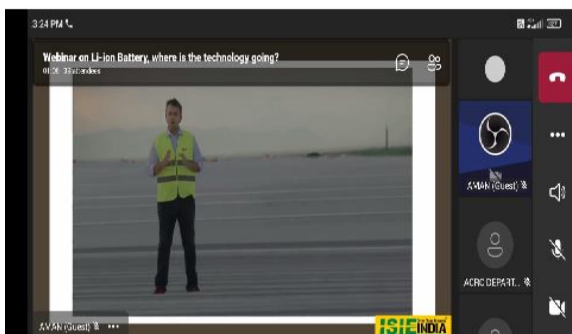
The session was open to Q&A where the students and faculties interacted with resource person & the session helped the students to update on trending industrial developments happening in EV sector..

Vote of thanks was proposed by Prof. Sivasakthi Balan, Department of ME, on behalf of the entire organizing team he extended an immense gratitude to the resource person, ISIEIndia team, management and Principal for their continuous support to organize this program.



Vehicle Category	Range in 2020, km	Estimated/Desired range, km
EVs	1200	1200
2WCE	80	100
3WCE	80	100
4WCE	30	200
EVs/Plug-in	5	200
IC	30	100
BEV/PEV	240	100
BEV	220	400
BEV	160	400
BEV	160	200
BEV	160	100
BEV	170	400
BEV	200	300
BEV	200	400

Handwritten notes: 1200, 1200, 80, 0.8-0.95



INTRODUCTION

- India has been heavily reliant on the international market to meet its electric vehicle (EV) component needs, especially battery cells.
- To change this, NITI Aayog, the Government of India recently initiated the National Programme on Advanced Chemistry Cell (ACC) Battery Storage.

Program ended with a closing note by Dr. Sivasakthi Balan, P, Mechanical Department.

Malini K V
 HOD,EEE