

**ONE DAY WORKSHOP**

**on**

**"BATTERY PACK MAKING PROCESS"**

**(March, 14, 2022)**

A One day Workshop on **"BATTERY PACK MAKING PROCESS"** was organized by the Department of Mechanical Engineering under the umbrella of SVEC-ASME student chapter, Sree Vidyanikethan Engineering College (Autonomous), Tirupati, Andhra Pradesh on 14<sup>th</sup> March, 2022. The program was conducted in offline mode. There were totally 52 student participants belongs to 3<sup>rd</sup> year of Mechanical Engineering branch attended the complete session.

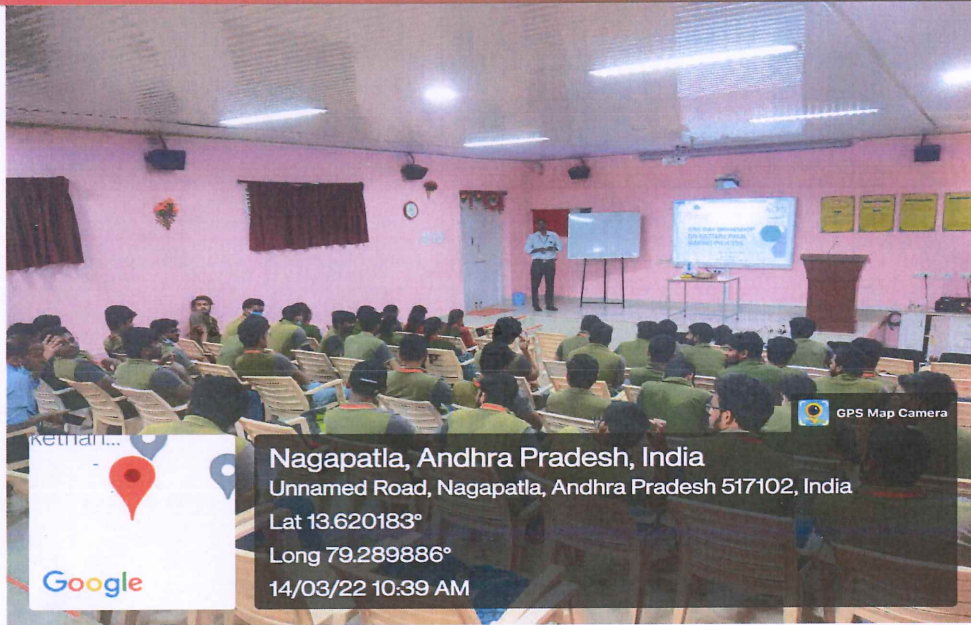
The Coordinator of this event **Dr.B.Sachuthananthan** introduced the resource person **Mr. S.Vinoth**, Unique Autocare limited, Chennai to all the participants and later handed over the session to the guest speaker.

The Objective of this workshop is to educate the students on the new technologies in the area of Battery pack making process. Also to provide the knowledge on challenges and issues faced in the battery packaging. The main challenge in the battery packing is thermal stability. The resource person discussed issues such as reliable battery packaging design and addressed the concepts relating to thermal stability, vibration isolation and impact resistance at micro as well as macro levels.

The outcomes of Workshop are as follows:

The resource person discussed about how to assemble cells in series, parallel for various battery pack configuration for various applications such as Electric Vehicles, Solar PV systems, Inverters, UPS, Medical applications ect., He also explained to students about BMS(Battery Management System) and the purpose of connecting BMS to each and every cells. The purpose of thermal sensor fitted in the battery was well explained by the resource person to students. The morning session was well covered with full of theory about various types of cells available in the market and some related information and the afternoon session was full covered with full practicals where the components were given to students as per batches and under the instructions of the resource person the students themselves assemble battery packs of various capacities. The response of the participants was overwhelming and interactive.

The workshop went on very interestingly for the whole day.



**Dr.B.Sachuthananthan**, Coordinator of this event has proposed the Vote-of-thanks. Initially, he thanked the Management of SVEC, The Director, Principal and our Head of the Department for having extended their support in organizing this one day workshop. Later, he thanked all the participants for their enthusiastic participation. At the end, he conveyed his heartfelt thanks to the Resource person without whom this program would not have happened. Later he thanked all the stakeholders for their constant support in making this event a grand success. By 04.30 PM the program came to an end.

*R. Satya Meher*  
23/3/22

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