

# *B.N.M. Institute of Technology*

An Autonomous Institution under VTU, Approved by AICTE

Centre of Excellence in Electric Vehicle Technology



BNMIT has inaugurated Centre of Excellence in Electric Vehicle Technology [CoE-EVT] on **25/04/2023** in the campus. The main intention of establishing COE-EVT is to conduct global internships, skill development programs, training programs and also to carry out research activities for both students and faculty members in the domain of EVT. The laboratory has equipped with battery pack design using battery management systems. The research team had already designed basic models of two wheelers, three wheelers and four wheelers under NewGen IEDC, DST, Govt. of India research funds. The CoE-EVT has future plans to design green cars by tapping renewable energy sources and also autonomous cars using artificial intelligence and machine learning tools for intelligent operation of the whole system.

## Design and manufacture of Lithium Ion & Lithium Iron Phosphate batteries as per specifications



(a) Spot welding

(b) Battery packing with BMS and heat shrink covers

Figure: Spot welding and battery modules

Battery modules with protective system is designed as per the need of the application. The battery packets are designed with high quality with One-Year Warranty