

EV Battery Management and Fire Protection System

**Alfaj Hasan Mulani, Rohit Parmeshwar Dhuttaragi, Vinayak Mahadev Chougule
Saloni Dattatray Ghodake, Ram Suresh Tandale, Dr. P.K. Magadum**

Department of Electrical Engineering
Brahmdevdada Mane Institute of Technology, Solapur, India

Abstract: *The utilization of Web of-things (IoT) in checking the introduction of electric vehicle battery. Doubtlessly an electric vehicle totally depends upon the wellspring of energy from a battery. However, the proportion of energy gave to the vehicle is reducing consistently that prompts the presentation webasement. This is a critical concern for battery create. In this work, noticing the show of the vehicle using IoT methodologies is proposed, so the checking ought to be conceivable clearly. The proposed IoT-based battery checking system is contains of ESP 32 lcd and voltage sensor. These days, electric vehicle (EV) is getting well known since the fuel costs getting more costly. As a result of these circumstances, various vehicle producers looking for alternatives of fuel sources other than gas. The usage of electrical fuel sources may improve the environment since there is less pollution. Additionally, EV produces amazing advantages the extent that energy saving and common affirmation. Most EVs utilized battery-powered battery which is lithium particle battery. It is more modest to be contrasted and lead corrosive. Truth be told, it has a consistent force, and energy's life cycle is 6 to multiple times more prominent contrasted and lead corrosive battery. Lithium particle battery life cycle can be abbreviated by certain reasons, for example, cheating and profound releases. Of course, EV conventionally has limited extent of making an excursion on account of battery size and body structure. This abstract provides an overview of the IoT-based BMS technology and its benefits, including improved battery performance, increased reliability, and reduced environmental impact.*

Keywords: Web of-things

