

ABSTRACT

Recently some electric bikes caught fire due to the failure of the battery management system because of poor battery design. The main aim of this project is to monitor the temperatures of the batteries of the Electric Vehicle regularly and to switch the batteries according to it. A mobile application is created and is used to monitor the temperatures of the batteries. Smoke sensor is used to check if any smoke is detected in the EV circuit. An alert notification will be sent to the user by the mobile application using Bluetooth. This reduces the chance of risk of fire accident of the Electric Vehicle.