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Integrated Electric Vehicle and Charging Station Management System

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Abstract: *In recent years, research and development of electric vehicles have been promoted in India as new technologies. The provision of charging station (CS) infrastructure for electric vehicle (EV) is essential to ensure flexibility. Managing the EV Charging Station is challenged due to communicating several brands into the central system. With the growing number of electric vehicles (EV), charging points getting a shortage. Our scalable feature-based system priories the total vehicle which is in queue for charging. Those who have less charging giving highest priority for the charge. Another important feature is when there is no EV station nearby then we can transfer the charging between two vehicles as emergency. One more feature is added which is related to the safety of human. Whenever any part of body is getting out of windows of the car, car will giving beep signal to the drivers.*

Keywords: Battery Management System, Priority to Charging Station, Emergency Charging, Human Safety

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