

Review of Smart EV Charging Station Using Green Power

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Abstract: *Now days use of Electrical vehicles are increasing continuously because of good and eco-friendly nature as compared to fuel vehicles. But we see that EV charging stations are not readily available every where like fuel station. The aim of this project is to implement more EV charging stations using green power, like other fuel station for non-stop travel without any type of disturbance. In this project especially solar panels and windmill generated energy will be used because these two renewable sources are continuously and unlimited sources of energy. For backup we also using the grid connection. Smart authentication like relays, RFID module protection device are used in EV charging station, also gives the four types of charges for fast charging like DC fast charging, AC charging, Wireless charging, Grid power AC charging. When we implementing this fully advanced EV charging stations on Highways, Cities, schools, colleges the charging stations are easily available every where and also increased purchasing rate of EV and it helps to make environment pollution free*

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