IJARSCT



International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

Volume 3, Issue 1, April 2023

Smart Helmet

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Abstract: This project gives description of a smart helmet which is based on IOT system to avoid accidents during vehicle riding results due to recklessness of riders towards helmet as it won't allow the vehicle to start until the riders wears the helmet. It consists of two modules one for the bike and other for the helmet. The bike module will act as a server and the helmet module will act as a client and the modules will act as an aggregated system when proper connectivity is established between the server and client module. As soon as the Wi-Fi connection is interrupted the bike will stop passing current to the ignition coil and hence stop it's functioning.

Keywords: Micro controller, Sensor unit, Node MCU

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DOI: 10.48175/IJARSCT-9044

