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Smart Bike Meter

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ABSTRACT

The day-to-day innovations have contributed to smartness in everything like technology. Smart device is the Smart bike Meter which will provides the real time remote navigation system. In smart bike meter we are using different type of sensors which will help bikers to keep the bike maintained. It will also give a call and message notification in the meter .The requirements for smart things around the world is very high, so we are offering a Smart Bike Meter which will be beneficial for bikers.

The method showcased here is the smart bike meter using sensors. In this module, we are using different type of sensors (Speed o meter , fuel indicator Sensor ,Temperature & Humidity Sensor ,Finger Print Sensor). We are using two Raspberry pi 1) raspberry pi 4 and 2) is raspberry pi 3 . The raspberry pi 3 is used as a microcontroller in smart meter and Aurdino is connected to finger print sensor which is placed in bike ignition and it is used for security purpose .Raspberry pi 4 covers all sensor reading and raspberry pi 3 is used for GPS locator. For route navigation we are using Google account & Google map which will show rider in LED meter and also show in mobile application. Smart bike meter will also provide call and message notification and bike maintenance updates. In Smart Bike Meter all notification updates on Android mobile application.

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