

Interactive Road Safety System for Bikers Using IOT

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Abstract— Road accidents create an enormous problem for mankind. According to World Health Organization, every year 1.35 million people die in traffic accidents. Where more than 20 to 50 million people suffer injuries and due to those injuries some of them become disabled. According to WHO by 2030 road accidents will become the 7th major cause of death. As a result, the demand for safety features on the vehicle increases sharply. 93% of people who die on roads worldwide occur in low and middle-income countries, although these countries consist of about 60% of the vehicles in the world. This paper gives a description of an interactive safety system prototype for bikers. The system will contain Accident Detection, with Speed measurement, Voice interaction, Fog detection, Speed regulation based on road condition, and the capability of sending notification. It will also provide access to the information online of the vehicle to parents and guardians.