Abstract

The present solutions for the navigational purposes that are available in the market are not tailored specifically for the needs of bikers/cyclists. Hence, in this system we design a system based in a shoe that guides the motorcyclist along the route from source to destination. Since the system is implemented in shoes we use a battery for power supply. Bluetooth is used to get the location coordinates from a mobile phone that uses GPS for location services. An android app for searching the source to destination route. The control unit vibrates according to the route to inform the motorcyclist to take a left/right turn after a certain distance or to keep on heading straight or to take a U-Turn.

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Index Terms

Computer Science   Information Systems

Keywords

Navigation, Android, Route planning, Wearable