

# **Abstract**

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## **Route Tracking of Moving Vehicles for Collision Avoidance Using Android Smartphones**

Android Smartphones are widely used nowadays. They have a lot of capabilities that made our life easier and more comfort. They opened the area of Android programming used to develop applications suitable for these smartphones. Our target, in this paper, is to propose an application that helps in collision avoidance between moving vehicles (especially trains) by tracking their routes. This application is a modified version of Route Tracker Application [Harvey and Deitel (Android for programmers an app-driven approach.