

PASSENGER ALERTING SYSTEM FOR INDIAN RAILWAY

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Abstract

The abstract of the paper is to alert the particular passenger alone without disturbing the fellow passenger by making their berths to vibrate a few minutes before the train reaches their destination. A Global Positioning System (GPS)-enabled Station Name Display System (SNDS) has been introduced in the AC coach of Vanchinad Express for displaying the approaching railway station in advance along with the time to the commuters. Half a km before the railway station where an express train has a stop, the LED display system placed above the inside door of the AC coach would display the time along with the approaching railway station in English. Once the train reaches the station, it would display the name of the railway station and the time. The SNDS uses a GPS receiver to know the train's current position. The complete systematic, which runs a database for the place and stops, which is easily identifies the stop automatically with respect to the GPS and displays the station.

Keywords: GPS, SNDS, LED display

INTRODUCTION

A railway system in India was first proposed in 1852 in Chennai. In 1853, the first passenger train between Bori Bander, Thane and Bombay covering a distance of 34 km was started, formally by the birth of railways in India. That train had 14 railway carriages and 400 guests which left Bombay's Bori Bunder for Thane, with a 21-gun salute. Slogan - "lifeline of the nation". Adding value to Indian Railways' slogan we are proposing our project to improve the comfort to passengers. Passenger will be personally alerted that within few kilometers train will reach his/her destination. In this paper, By using the GPS, which would enable the station name display system (SNDS) to the traveling passengers.

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