SMART RAILWAY NETWORK

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ABSTRACT

Smart Railway Network's (SRN) future is based on mobile communication and its ability to overcome fixed blocks so as to increase the utilization of tracks and interoperability throughout India. We have formalized various scenarios like the automatic announcement, expected minutes of arrival and centralized control of the system that would help provide a better understanding of the requirements. Data processing board on the train is a crucial factor for safe and efficient operation. We have structured the formal specifications of the behavior of each module hierarchically. An easily understandable documentation for the developers and customers; also, the simulation and automatic validation at every development stage is possible, hence increasing the safety and decreasing the financial requirements.

KEYWORDS: 89C2051, Infrared Sensor, VB 6.0