GIS Augmented Automatic Train Monitoring

Abstract

Now a days managing train movement between stations in railways has become staggering task which involve human efforts like data transfer through phone. It is needed to be continuously monitor the trains approaching from neighboring stations, for safe train movement due to high density of trains on a track. Conventionally, station master monitor approaching/departing trains by using Route Relay Interlocking (RRI) system which can monitor trains between station blocks. In this paper a GIS augmented automatic train monitoring (GAATM) system is proposed for station master to monitor approaching/departing trains to/from station. If station master has interest in a specific train, He/she can search and monitor that train in real time. The proposed system is developed in C# and java script using Microsoft Visual Studio 2010.

References

GIS Augmented Automatic Train Monitoring


Index Terms

Computer Science Automated Systems

Keywords
GAATM  Train Monitoring  GIS  RRI  C#  Java Script.