LITERATURE SURVEY

1. S. Swathi, R. Elakya, R. Renjith and T. Aravinth, "IRCTC-RAILWAY TICKET GENERATION USING QR CODE IN ANDROID", International Research Journal of Engineering and Technology(IRJET), volume: 07, issue: 03, pp: 1377-1381, March 2020.

Description:

Users will be using QR railway app here to find the location of the user and nearby train station to display the train scheduling using sub-urban railway tickets through android mobile application.

2. Ohyun Jo, Yong-Kyu Kim and Juyeop Kim, " Internet of Things for Smart Railway: Feasibility and Applications", IEEE Internet of Things journal, volume: 5, issue no: 2, pp: 482-490, April 2018.

Description:

To deduce the potential and feasibility, the network architecture of IoT solution and evaluate the performance of the candidate Radio Access Technologies(RAT) for delivering IoT data in the aspects of power consumption and coverage by performing an intensive field test with system level implementation.

3. R. Velayutham, T. Sangeethavani and K. Sundaralakshmi, "Controlling railway gates using smart phones by tracking trains with GPS", 2017 International Conference on Circuit ,Power and Computing Technologies (ICCPCT), pp. 1-3, 2017.

Description:

The system which reduces the number of accidents and the manpower in the railway crossing. GPS find out the exact location of the train that are tracking.

4. Payal Srivastava, Rana Majumdar, Bonny Paulose, Sunil Kumar Chowdhary and Abhishek Srivastava, "Smart Train Detector using IoT Approach",

Description:

The proposed approach to implement a smart train detector device though a new concept as one of the recent technology, Internet of Things is being used. Thus, it will be necessary that post the basic implementation, the device should be tested not only in the workplace but also in the real time environment so that it shall be beneficial for the railways in terms of more safety and security.

5. Perumallapalli Krishna,"Internet of Things (IOT) for Railways", International Journal of Engineering and Advanced Technology (IJEAT), ISSN: 2249-8958, Volume-8, Issue-6S3, September 2019.

Description:

The model is tested with two trains and experimented with all the above proposed tasks. Since the entire information is updated time to time, the trains and tracks will be analyzed for faults and performance, well in advance.