S.No	TITLE	JOURNAL	AUTHOR	CHALLENGES/ FUTURE WORK
1	A Secure E-Ticketing Scheme for Mobile Devices with Near Field Communication That Include Incapability and Reusability‖	Institute Of Electronics, Information And Communication Engineers, Vol-E93, Issue 4.	Magdalna, Macia	• Using NFC makes the project complicated process since many devices doesn't support it • Instead use QR code for payment process
2	IOT based ticket checking system	International Journal of advance research in computer and communication engineering - 2017	Kirti Dhiman, Erickson ck	• Improve the system with latest IOT technology • Example GPS and CCTV camera
3	Android suburban railway ticketing with GPS as ticket checker	International Journal of Computer Applications (0975 – 8887) National Conference on Advancements in Computer & Information Technology (NCACIT-2016	Karthick SI, Velmurugan	• Internet should be provided throughout the journey • QR code with unique ID can be used has ticket

4	Planning, Analysing and Designing of Smart Railway Station	International Journal of Creative Research Thoughts (2020)	Soundappan.S, Srimaan.R, Venatesh.G, Sriram.M.	smart ticket booking can also introduced and implemented
5	A QR code Based Processing for Dynamic and Transparent Seat 344, May 2012.	IJCSI International Journal of Computer Science Issues, Vol. 9, Issue 3, No 1, May 2012	Man Mohan Swarup, Abhiram Dwivedi	• Automatically recognizes video sequence clips. • Can't link together the disconnected pixels.
6	A General Scheme for Extracting QR Code from a Nonuniform Background in Camera Phones and Applications	Ming-Syan Chen Multimedia, 2007. ISM 2007. Ninth IEEE International Symposium	Yu-Hsuan Chang	• Duplication of tickets should be sorted out • Cloud computing technology required
7	Prototype of train ticketing application using Near Field Communication (NFC) technology on android device‖	IEEE International Conference on System Engineering and Technology; 2012 Sep 11-12. p. 1–6.	Nasution SM, Husni EM, Wuryandari A	Lack of NFC support in many android devices is a major drawback
8	Urban railway ticketing application	International Journal Of Advance Research In Computer Science And Software Engineering Vol. 4, Issue	Sadaf Sheikh, Gayatri Shinde	• QR ticket booking and payment method can be introduced • Gps location tracking of train can be added

9	Passenger Monitoring Model for Easily Accessible Public Trams/Trains	12th International Conference on Engineering/ Electronics, Computer , Tele-communication and Information Technology (2015)	Roman Khoeblal, Teeravisit Laohapensaeng, Roungsan Chaisricharoen.	• Can predict number of passengers travelling in a train • Easy to allocate train based on demand
10	Smart Railway Crossing using Microcontroller	International Journal of Engineering Research & Technology (2020)	Sushant M.Gajbhiye, Raju A.Bondre, Zen P.Raut.	The objective of the research was to handle and control the system of railway gate by applying microcontroller.