**PROPOSED SOLUTION**

Our solution is designed to book seats by knowing the seat availability by designing Web application so the user can book a ticket based on the availability of the seats by giving the general required information. We use Node-RED to develop web application and Testing the Web UI by giving the required inputs. And once a user clicks on the submit button, a QR code is generated with a Unique ID and the data is stored in the Cloudant Database with that Unique ID by creating and configuring IBM Cloud Services. Users can save the QR code for further process. Then using Python Script , we write python code, a Ticket collector can scan the QR code and extract the information from the QR Code i.e., Unique ID. With that Unique ID, data is fetched from the Cloudant Database, if it is not found, then it displays Not a Valid Ticket. Adding on to this live location of the train will be tracked down by GSM module. The result will be updated to IBM IoT platform using python code .So that the train location can be tracked from a Web Application by any passenger.