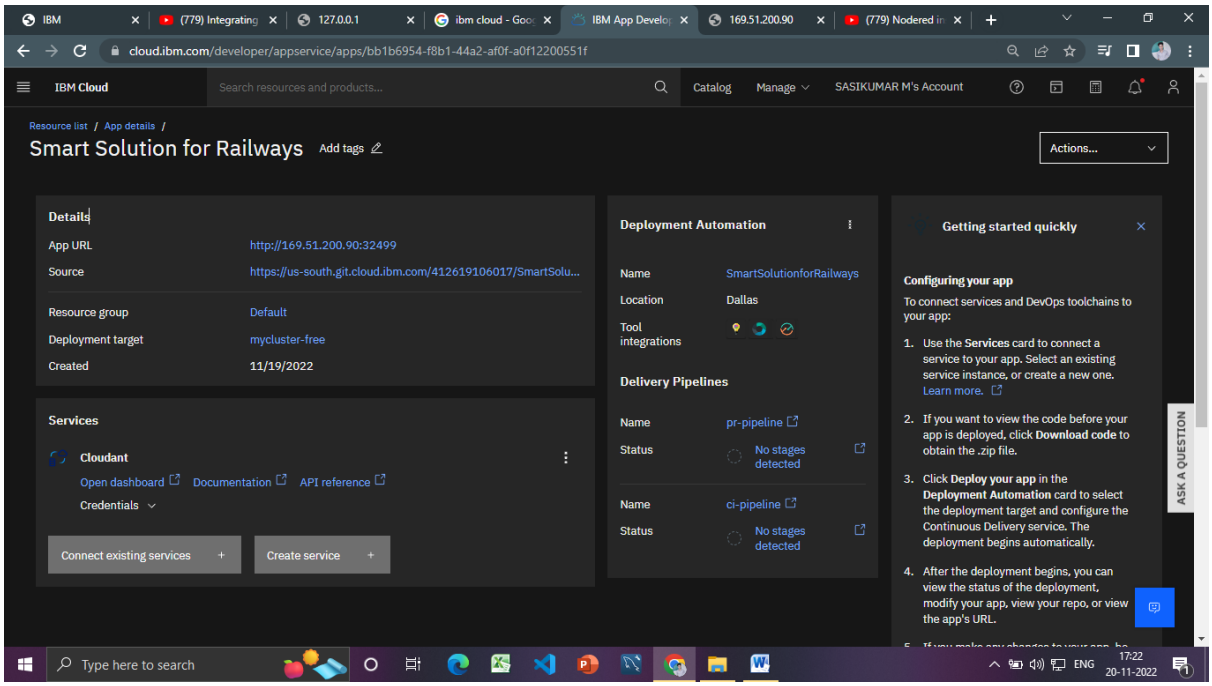
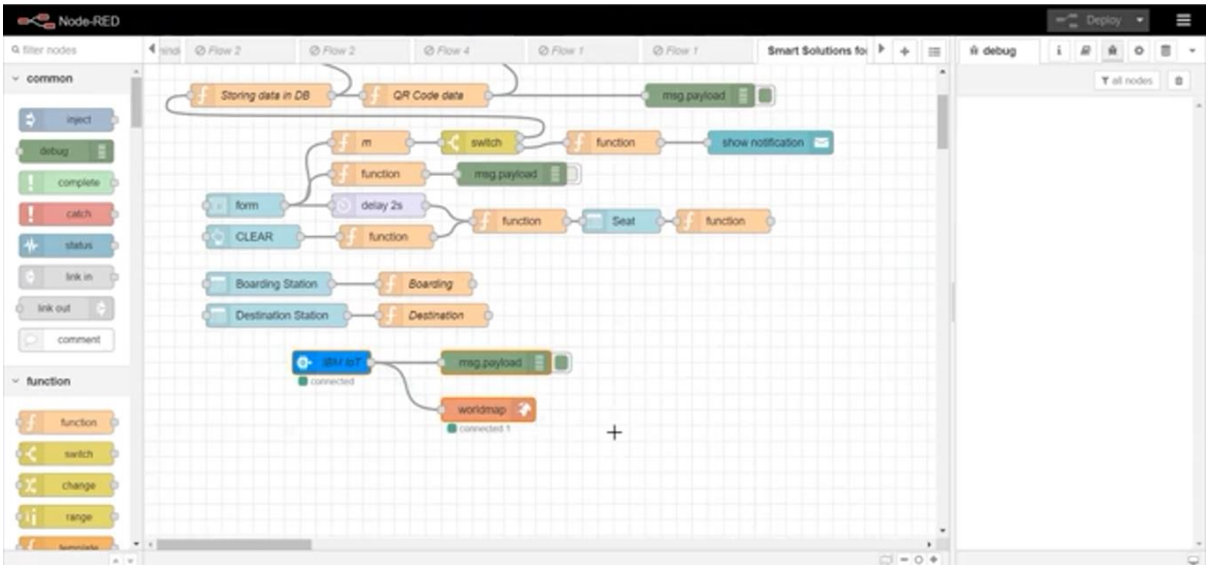
Develop A Web Application Using Node-RED Service.

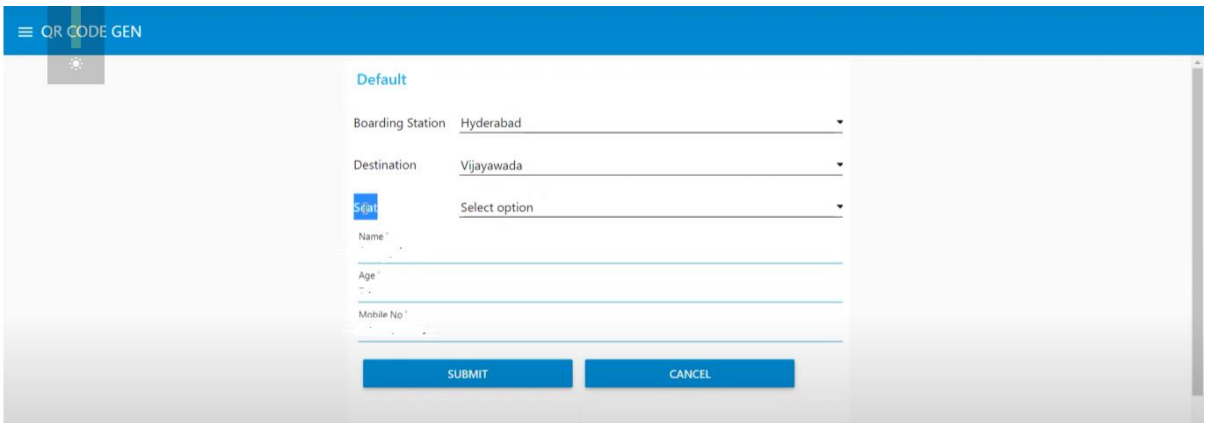
Develop The Web Application Using Node-RED

Date	**November 2022**
Team ID	**PNT2022TMID38325**
Project Name	**Smart solutions for railways**

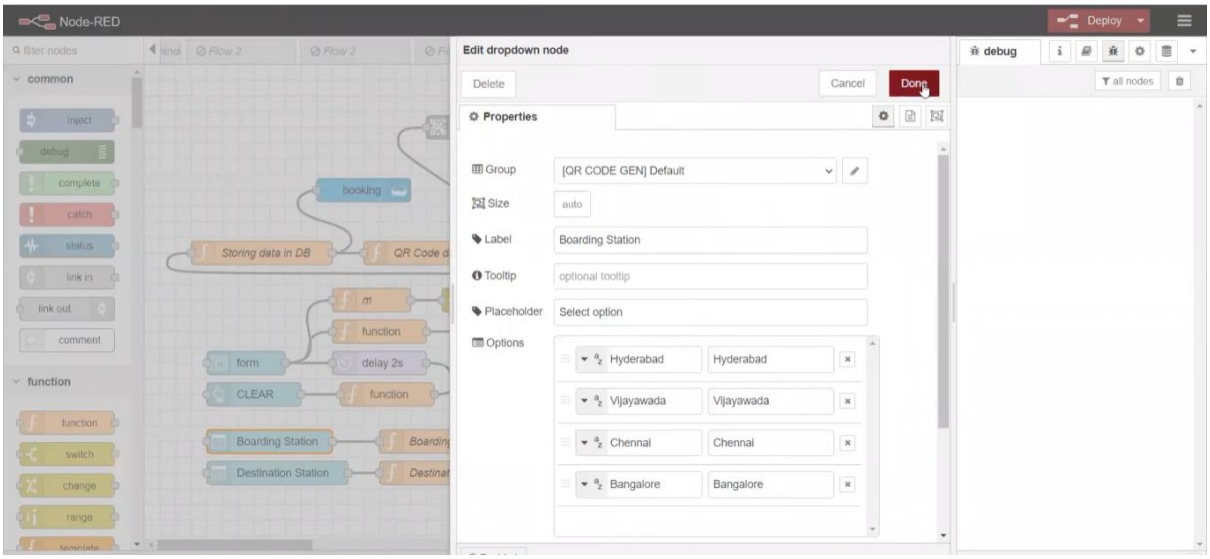
Step 1: Adding nodes in Node-Red

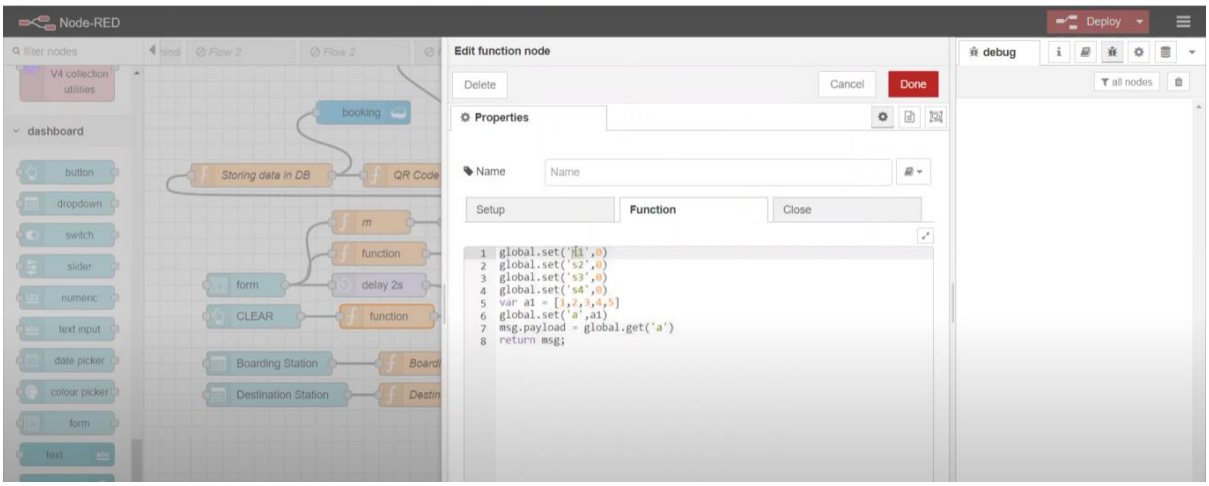


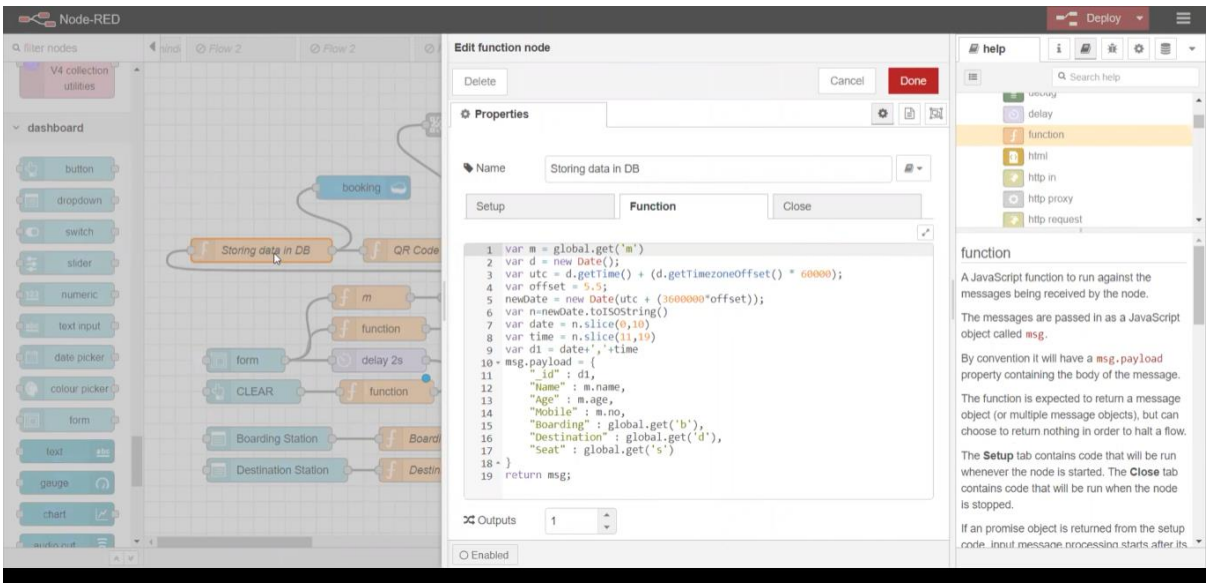


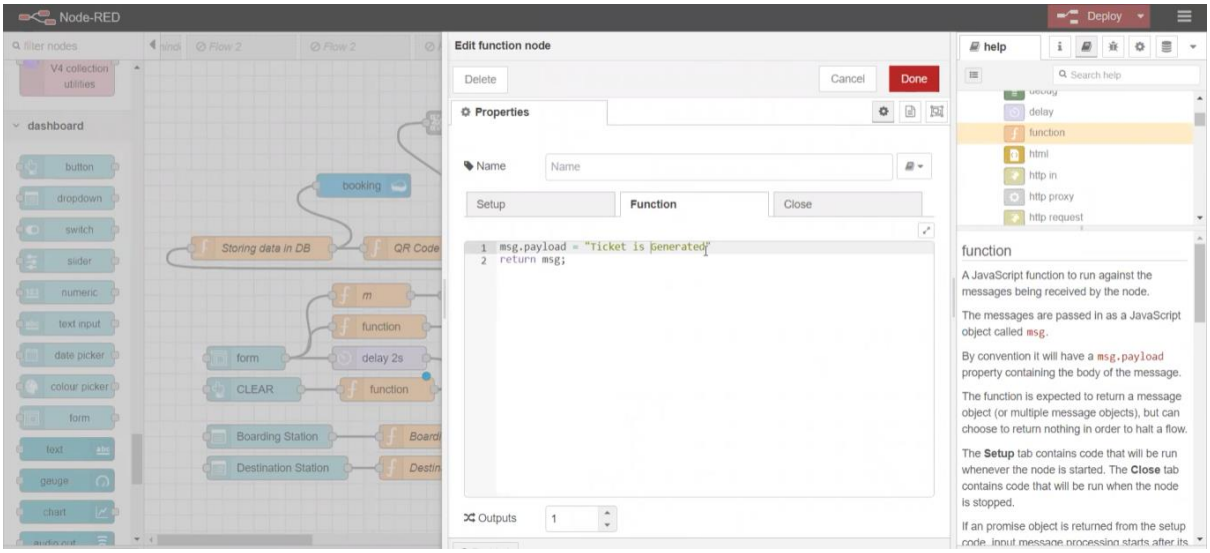


Step 2: After adding nodes add functions for nodes in node-red editor






Node-RED
Deploy
Edit function node
Delete
Cancel
Done
Properties
Name
Storing data in DB
Setup
Function
Close
var m = global.get('m')
var d = new Date();
var utc = d.getTime() + (d.getTimezoneOffset() * 60000);
var offset = 5.5;
newDate = new Date(utc + (3600000*offset));
var n=newDate.toISOString()
var date = n.slice(0,10)
var time = n.slice(11,19)
var d1 = date+','+time
msg.payload = {
"_id" : d1,
"Name" : m.name,
"Age" : m.age,
"Mobile" : m.no,
"Boarding" : global.get('b'),
"Destination" : global.get('d'),
"Seat" : global.get('s')
}
return msg;
Outputs
1
Enabled
help
function
A JavaScript function to run against the messages being received by the node.
The messages are passed in as a JavaScript object called msg.
By convention it will have a msg.payload property containing the body of the message.
The function is expected to return a message object (or multiple message objects), but can choose to return nothing in order to halt a flow.
The Setup tab contains code that will be run whenever the node is started. The Close tab contains code that will be run when the node is stopped.
If an promise object is returned from the setup
booking
Storing data in DB
QR Code
m
function
form
delay 2s
CLEAR
function
Boarding Station
Destination Station
dashboard
button
dropdown
switch
slider
numeric
text input
date picker
colour picker
form
text
gauge
chart


Node-RED
Deploy
Edit function node
Delete
Cancel
Done
Properties
Name
Name
Setup
Function
Close
msg.payload = "Ticket is Generated"
return msg;
Outputs
1
help
function
A JavaScript function to run against the messages being received by the node.
The messages are passed in as a JavaScript object called msg.
By convention it will have a msg.payload property containing the body of the message.
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