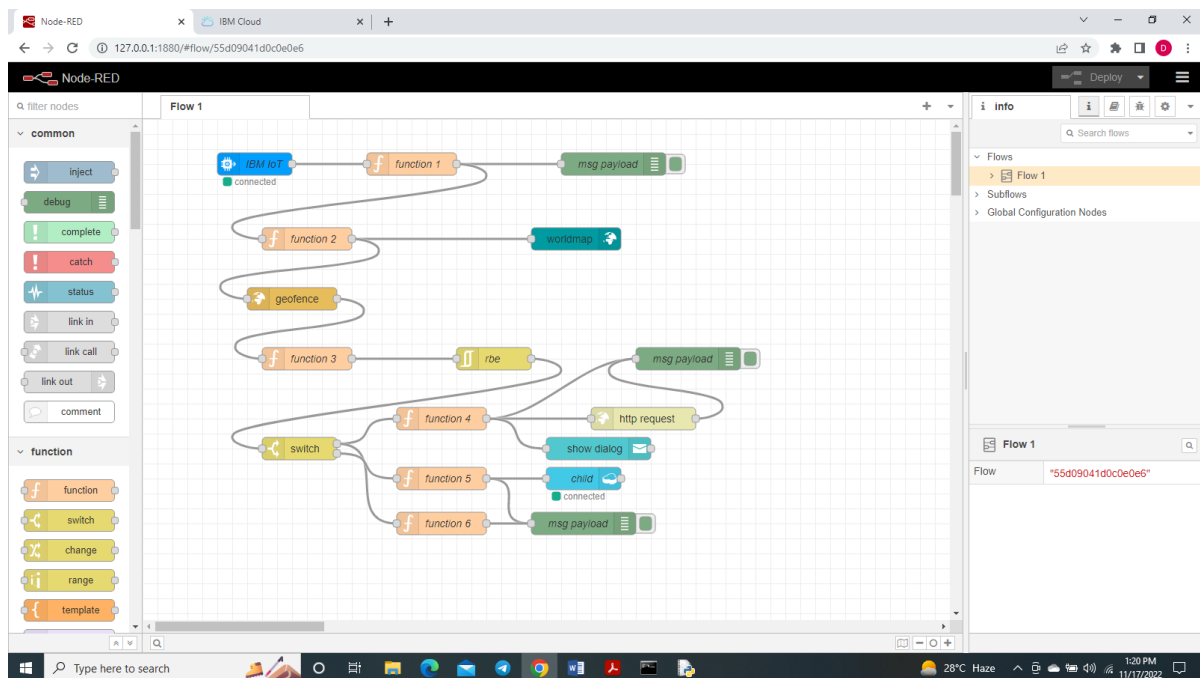


Project Planning Phase

Date	19 October 2022
Team ID	PNT2022TMID46119
Project Name	IOT BASED SAFETY GADGETS FOR CHILD SAFETY MONITORING AND NOTIFICATIONS

Develop the Web application using Node red



Connect to the IBM IoT Platform and get the location and Store the data in the Cloudant

The screenshot shows the IBM Watson IoT Platform dashboard. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. The main content area displays a table of devices. The first device, 'Device_1', is shown in detail. Below the device information, the 'Recent Events' tab is selected, showing a stream of data events.

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location	Added By
Device_1	Connected	Safety_Device	Device	Nov 10, 2022 7:53 PM		815119104011@smartinternz.com

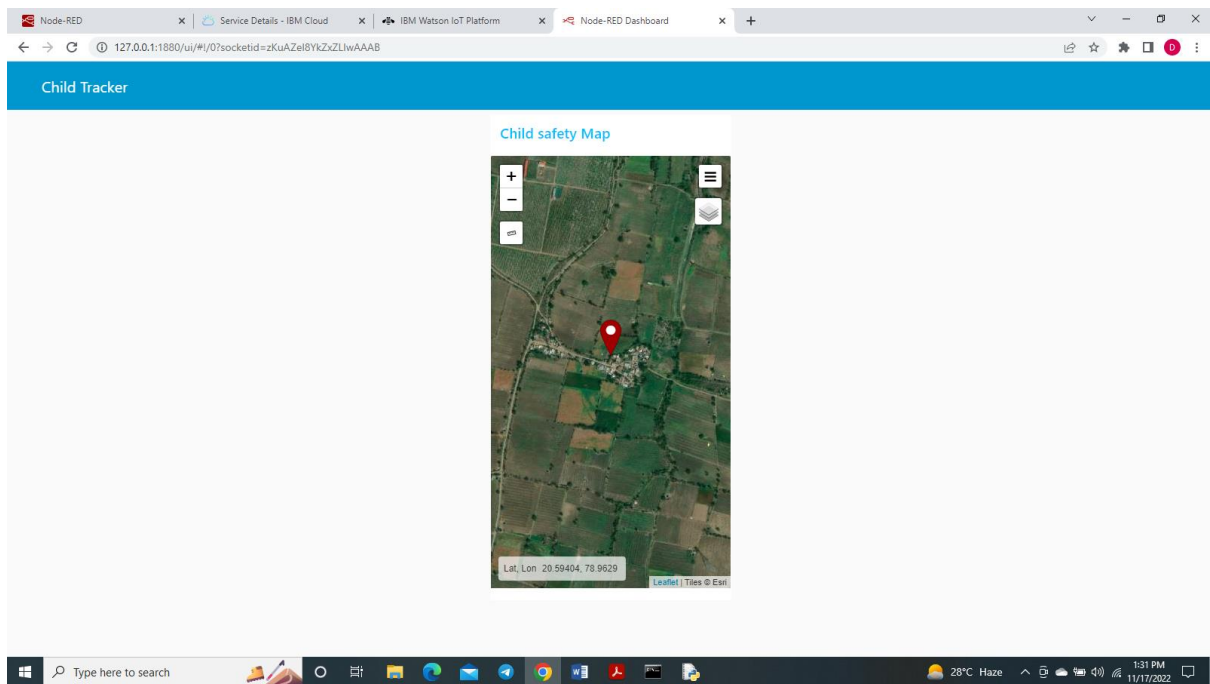
Event	Value	Format	Last Received
status	{"name":"India","lat":20.5937,"lon":78.9629}	json	a few seconds ago
status	{"name":"India","lat":20.5937,"lon":78.9629}	json	a few seconds ago

Create the geofence and Google map for location identification

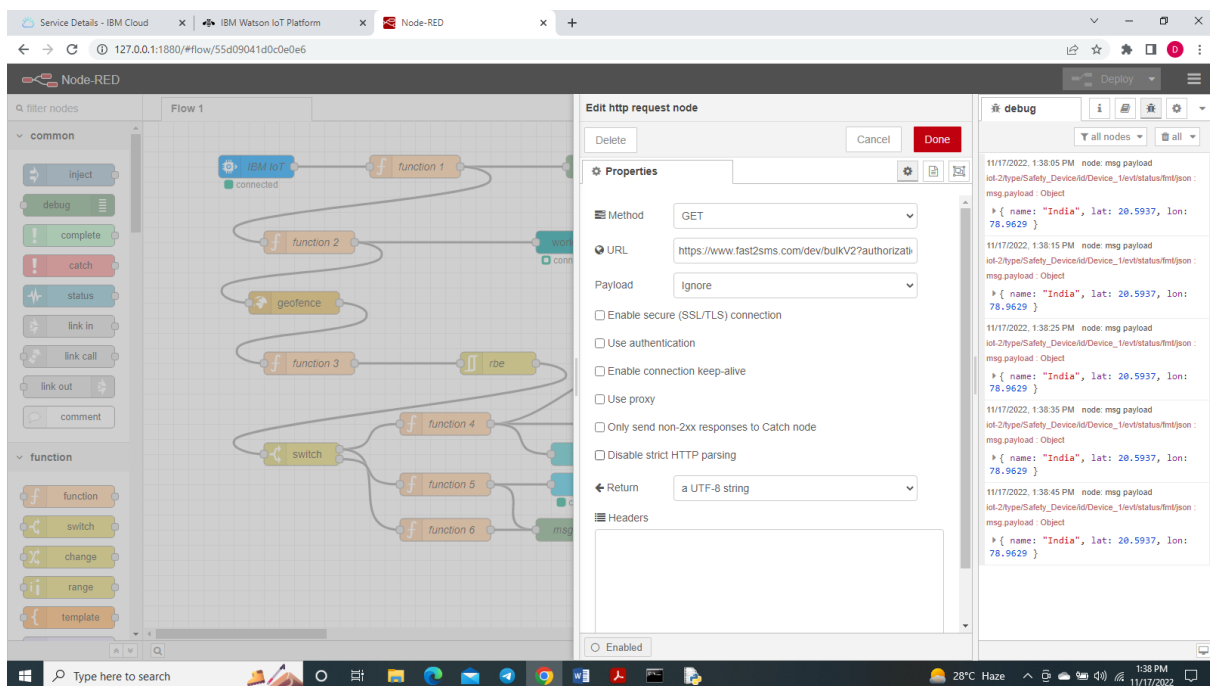
The screenshot shows the Node-RED interface with the 'Edit geofence node' configuration panel open. The map displays India with a purple geofence circle centered over the central region. The 'Properties' panel shows the geofence name as 'India' and the action as 'add "narea" property'. The 'debug' console shows the payload: { name: 'India', lat: 20.5937, lon: 78.9629 }.

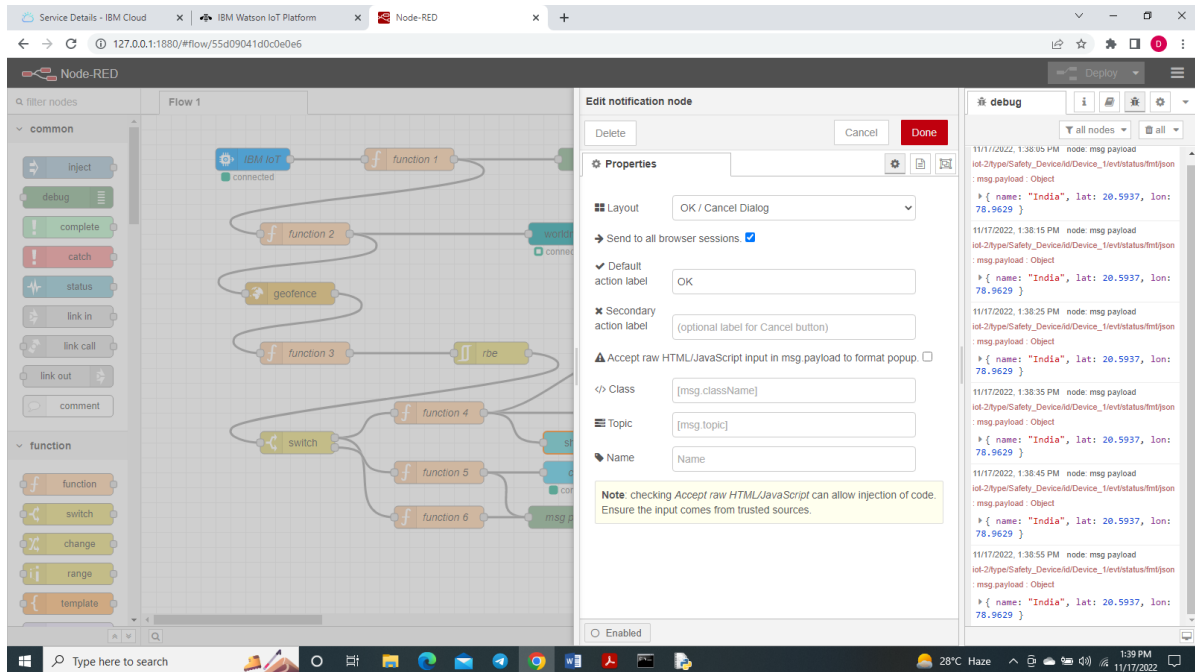
The screenshot shows the Node-RED interface with the 'Edit worldmap node' configuration panel open. The 'Properties' panel shows the map group as '[Child Tracker] Child safety Map', the base map as 'ESRI Satellite', and the zoom level as 16. The 'debug' console shows the payload: { name: 'India', lat: 20.5937, lon: 78.9629 }.

Integrate the geofence and Google map to check if the child is inside or outside the geofence

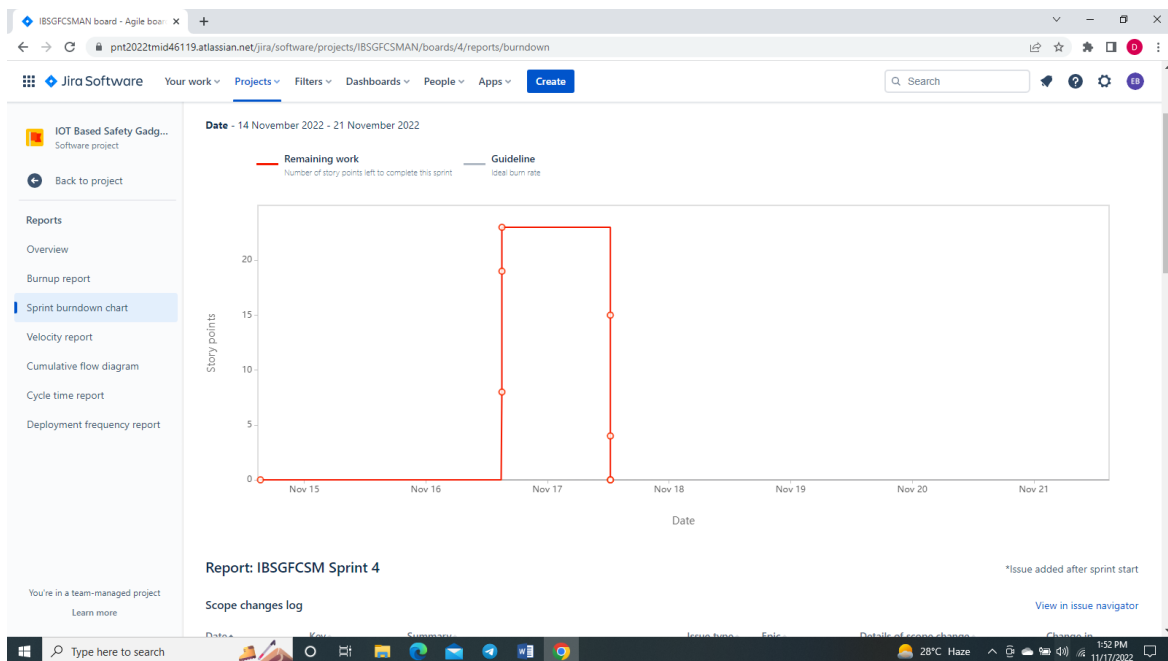


Send the notifications if the child is outside the geofence

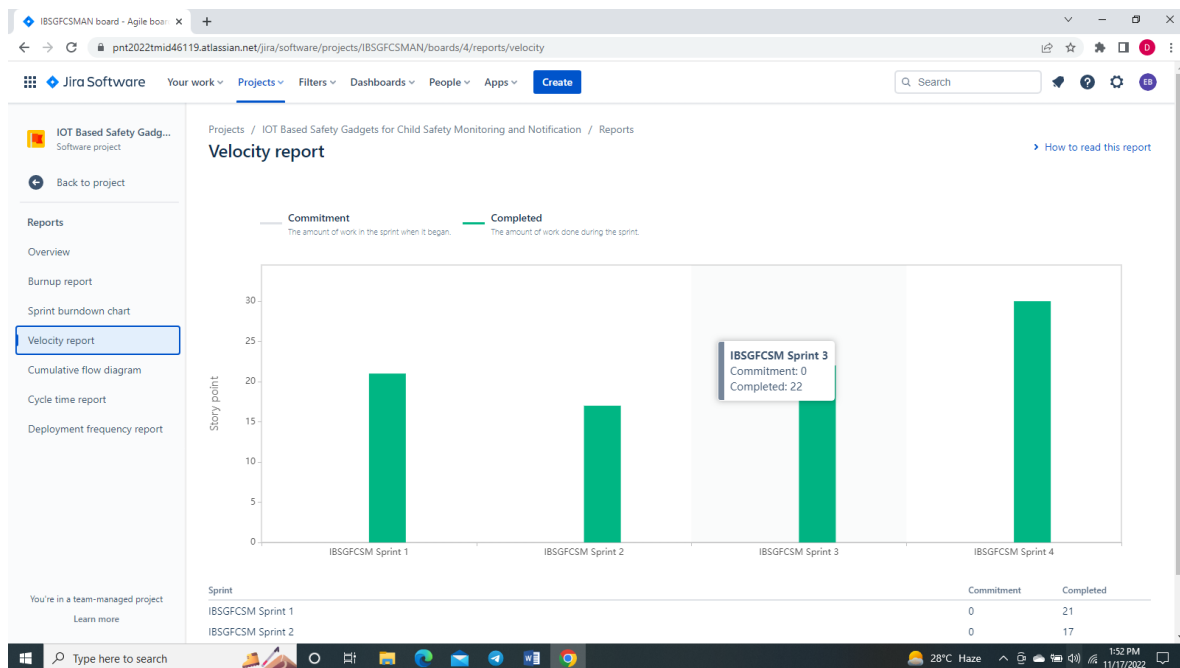




Burndown chart



Velocity Chart



Roadmap

