**Develop a web Application using node-red**

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| Assignment date | 16 November 2022 |
| Team Id | PNT2022TMID15102 |
| Project Name | Real-Time River Water Quality  Monitoring and Control System |
| Maximum marks | 4 marks |

**Solution**

1. Double-click the tab with the flow name, and call it Earthquake Details.
2. Click the hamburger menu, and then click Manage palette.
3. Look for node-red node-
4. Open the weather map to install these additional nodes in your palette.
5. Add an HTTP input node to your flow.
6. Double-click the node to edit it.
7. Set the method to GET and set the URL to /earthquakeinfo-hr.
8. Add an HTTP response node, and connect it to the previously added HTTP input node. All other nodes introduced in this sub-section is to be added between the HTTP input node and the HTTP response node.
9. Add an HTTP request node and set the URL to https://earthquake.usgs.gov/earthquakes/feed/v1.0/summary /all\_hour.geojson, the Method to GET and the Return to a parsed JSON object. This will allow extracting all earthquakes that occurred within the last hour.
10. Name this node Get.
11. Add a change node. Double-click the node to modify it.
12. Name this node Set Earthquake Info.
13. In the Rules section, add rules to Delete
    * msg. topic
    * es msg. headers
    * msg.statusCode
    * msg.responseUrl
    * msg.redirect list

"type": properties. type

"magnitude": properties.mag "location": properties.place,

"longitude":geometry.coordinates[0],

"latitude":geometry.coordinates[1],

"depth":geometry.coordinates[2]

"timestamp": $fromMillis( properties.time)







