DEVELOP THE WEB APPLICATION USING NODE-RED

Team ID	PNT2022TMID21245
Project Name	Project – Industry Specific Intelligent Fire Management System

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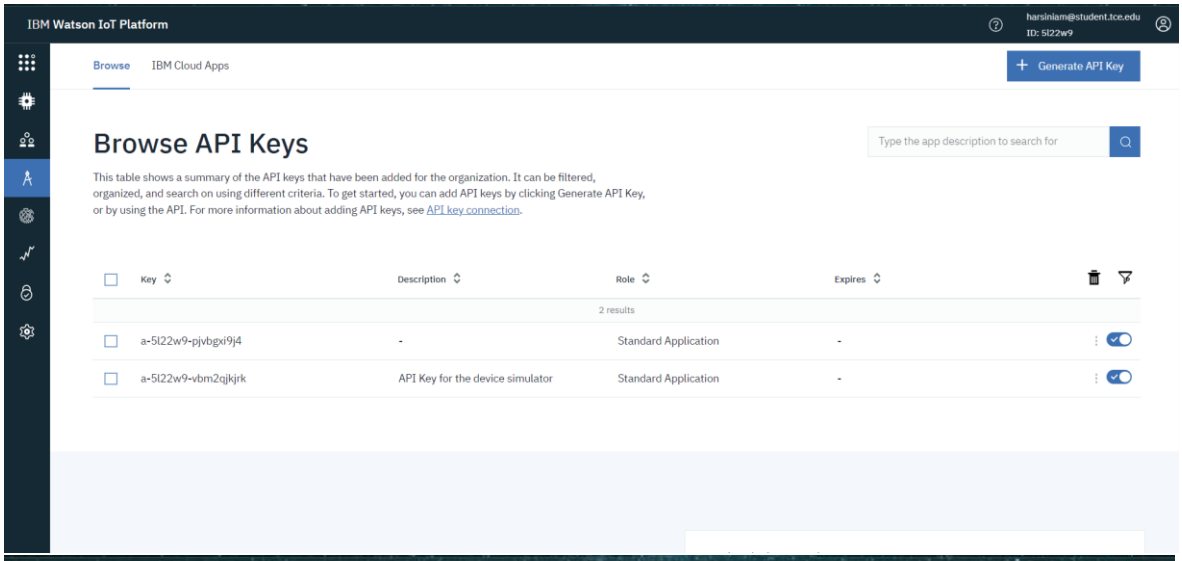
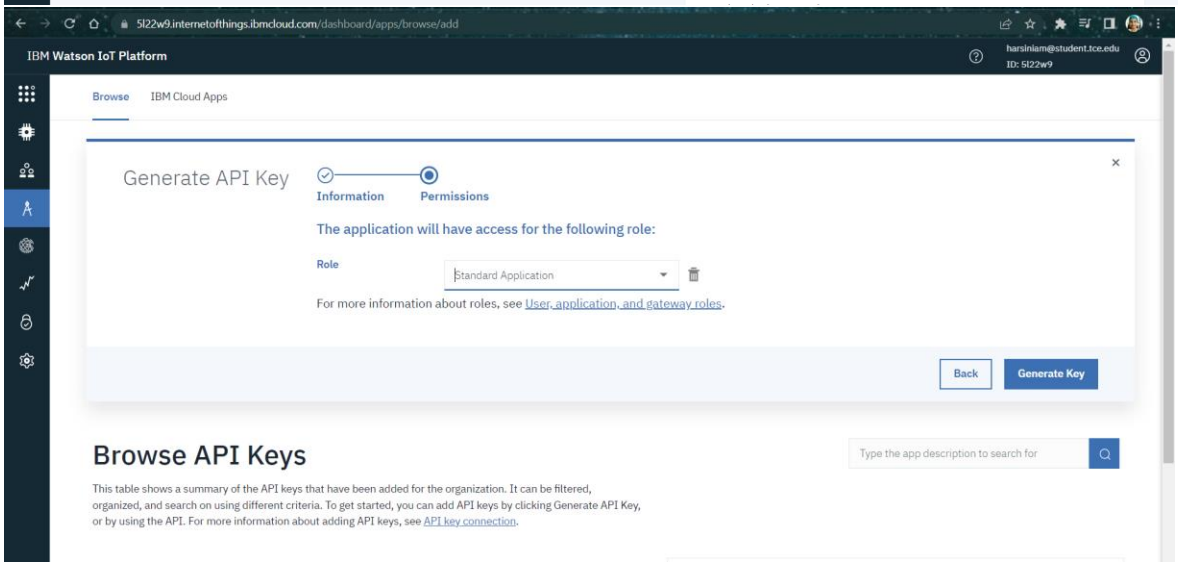
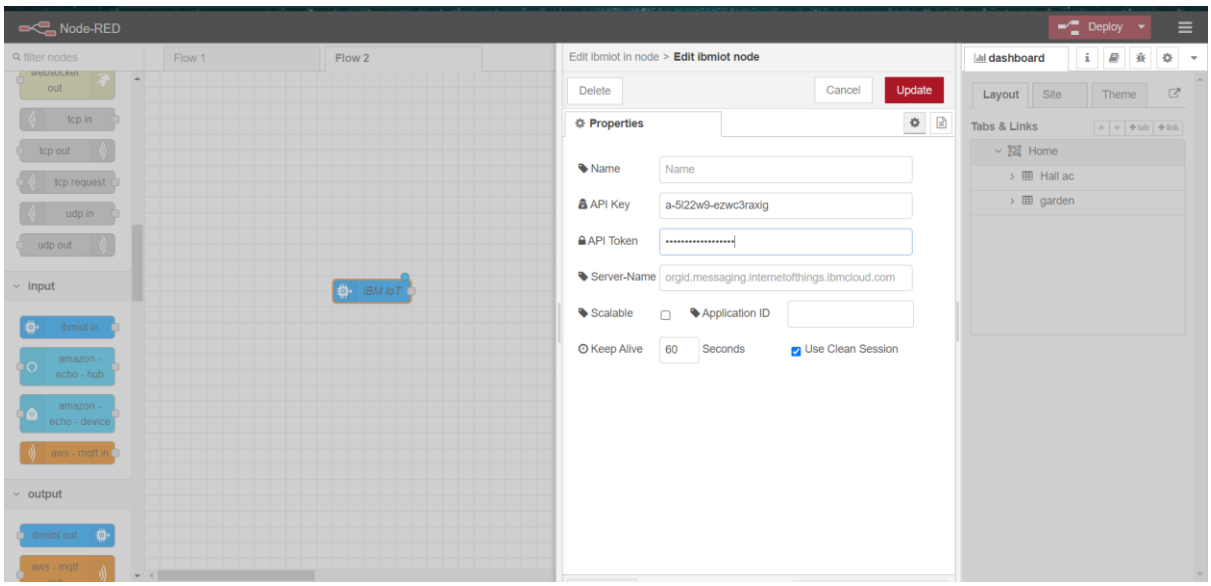
1. After logged in to the IBM Cloud account, Go to the apps in the side menu and click on the respective device to generate API key.

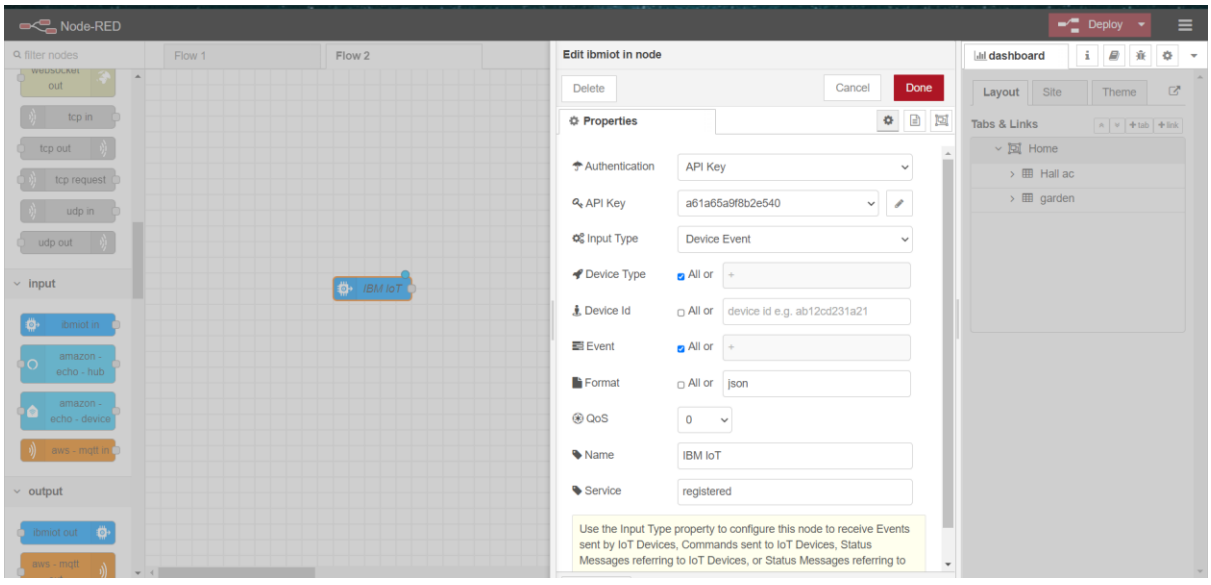




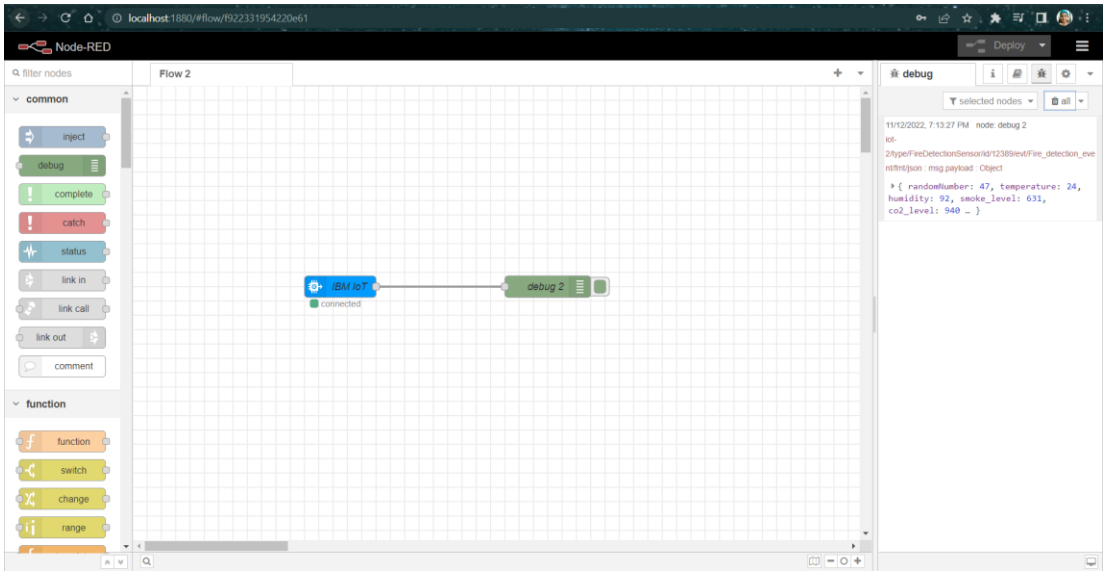
2. Get the ibmiot in node and edit the node. Enter the values of API key and API Token and click on update button.



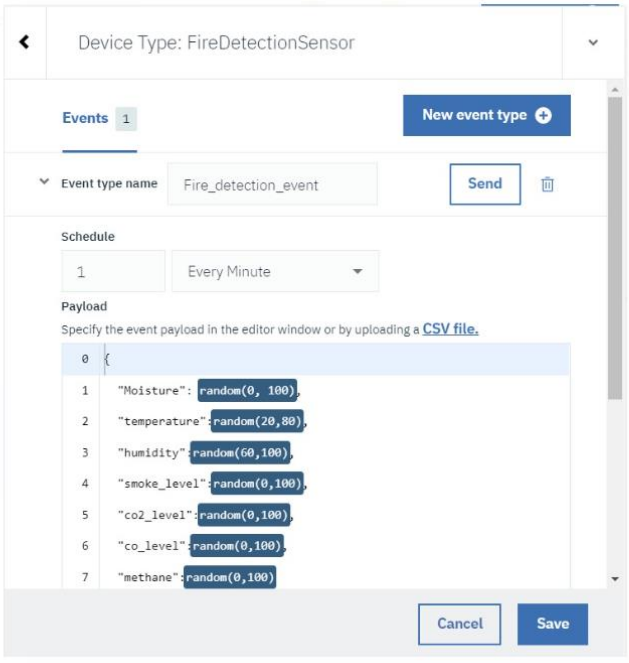
3. Edit the ibmiot in node, by entering Input Type, Format and name.



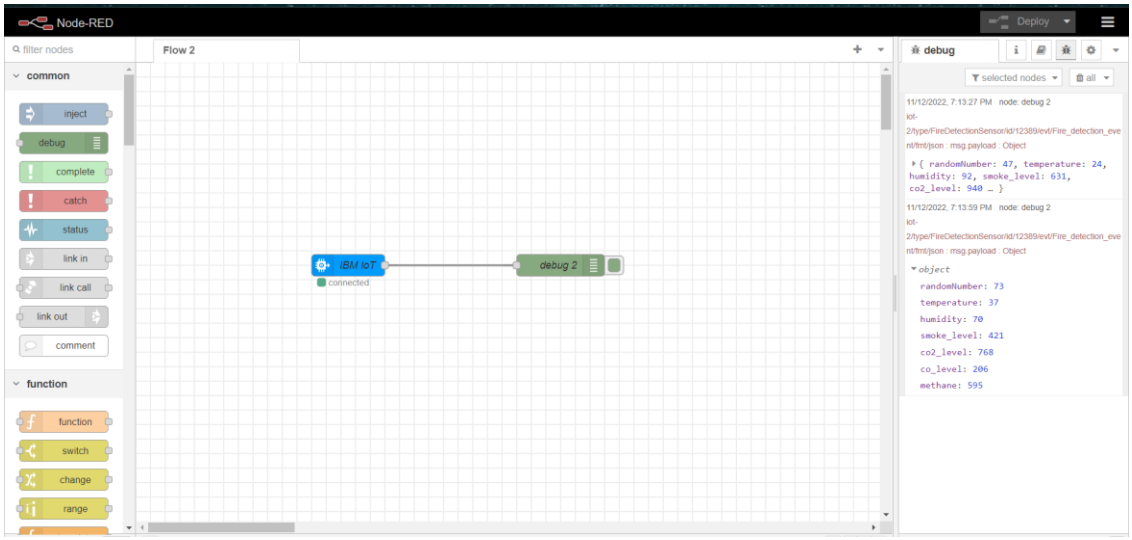
4. Connect the IBM Iot to debug node.



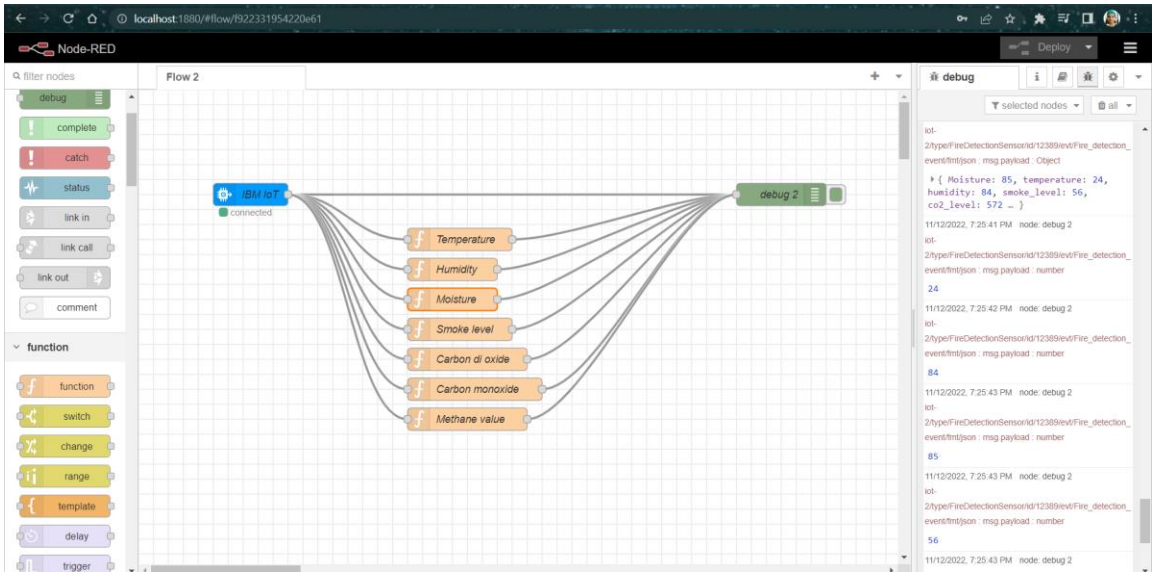
5. After enabling device simulator, write the function to generate the values.



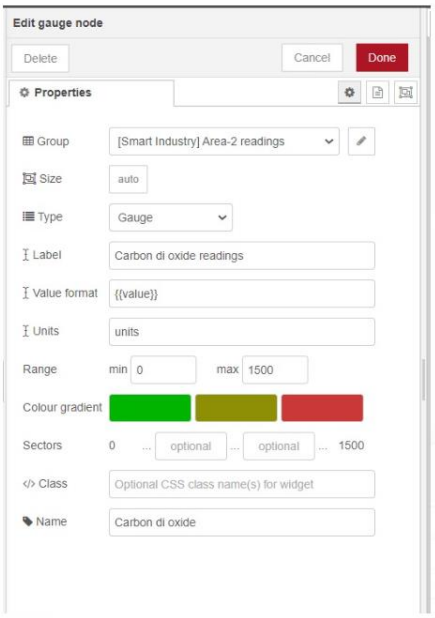
6. The generated values in IBM cloud account will be displayed in node – red

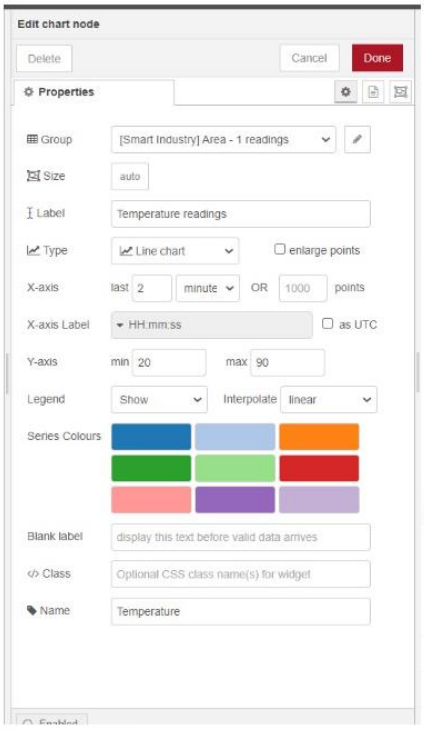


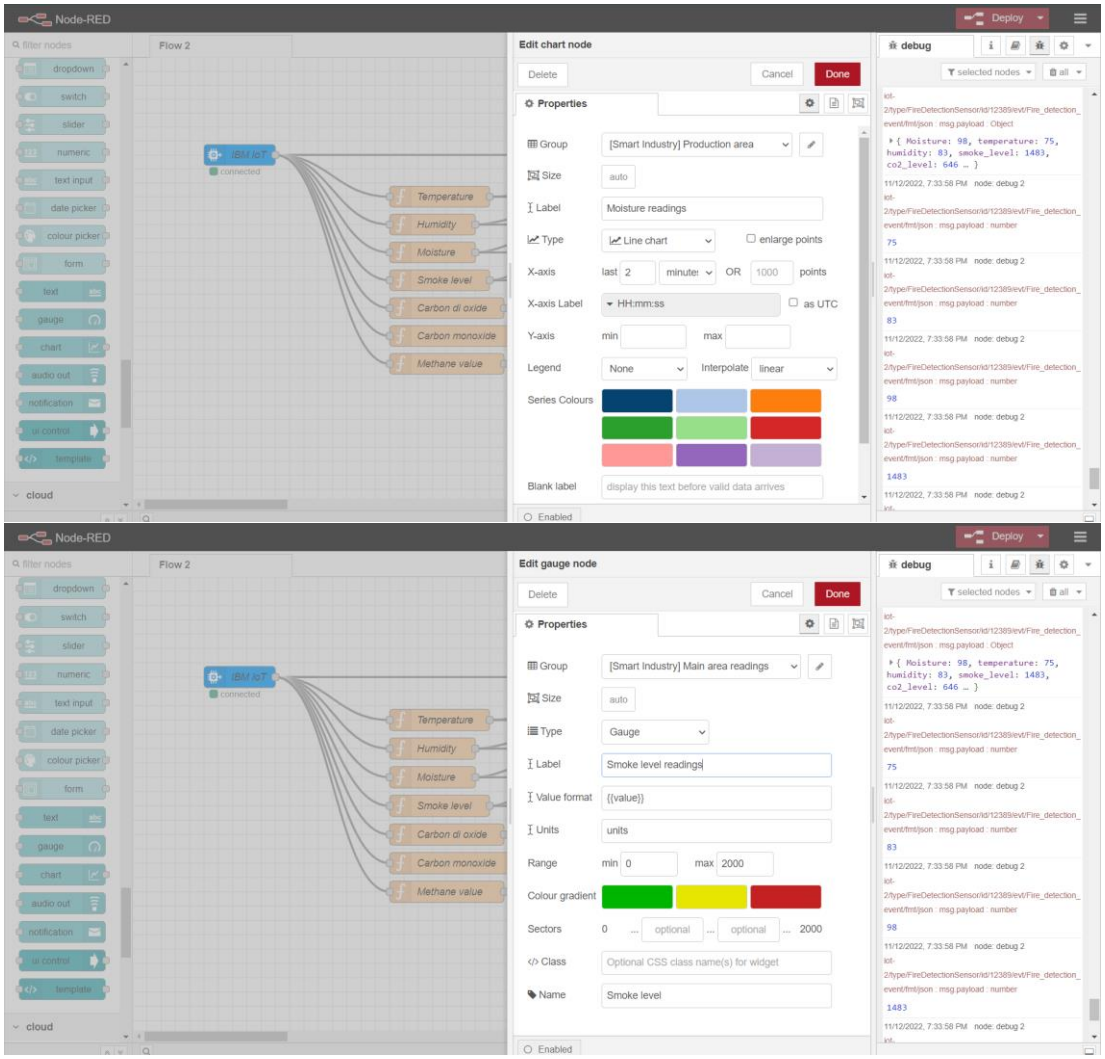
7. After inserting the functions for temperature, humidity, moisture, smoke level, carbon di oxide, carbon monoxide and methane value and connect it with chart node for temperature, humidity, moisture node and gauge node with carbon di oxide, carbon monoxide and methane value node.



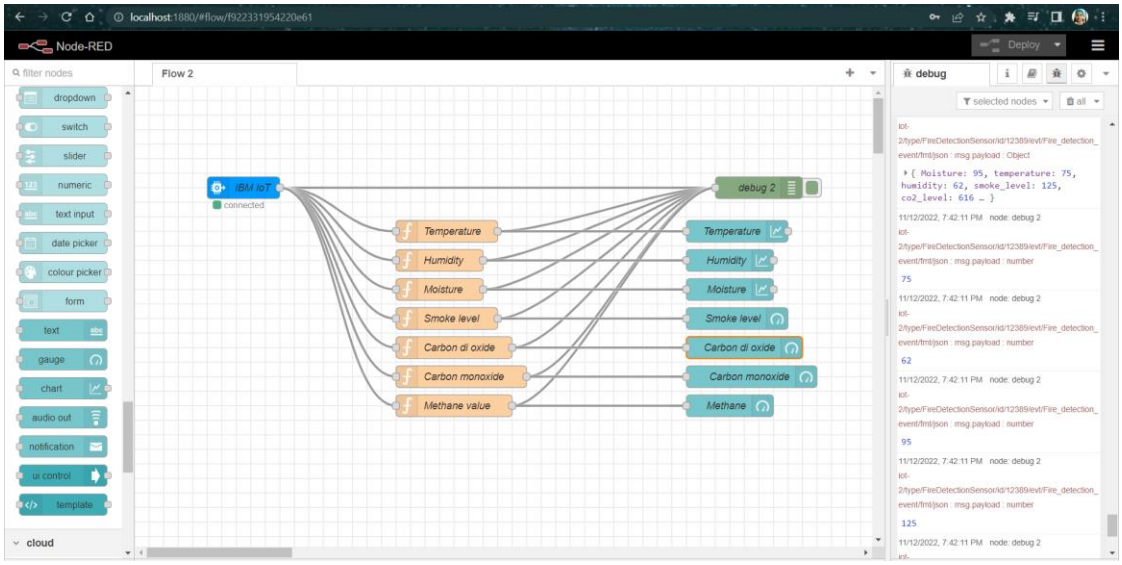
8. Edit the chart and gauge nodes.







9. The flow between nodes after connecting the functions with debug and charts and gauge.
   Click on deploy button.



10. The data generated in the cloud will be displayed in the node-red.