

ECE 3502 – IoT Domain Analyst

Assessment

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Aim: Create automation for Patient Monitoring System

Procedure:

Step 1) Select Nodes.

Step 2) Set properties of the Nodes such as name, message etc and then click Done.

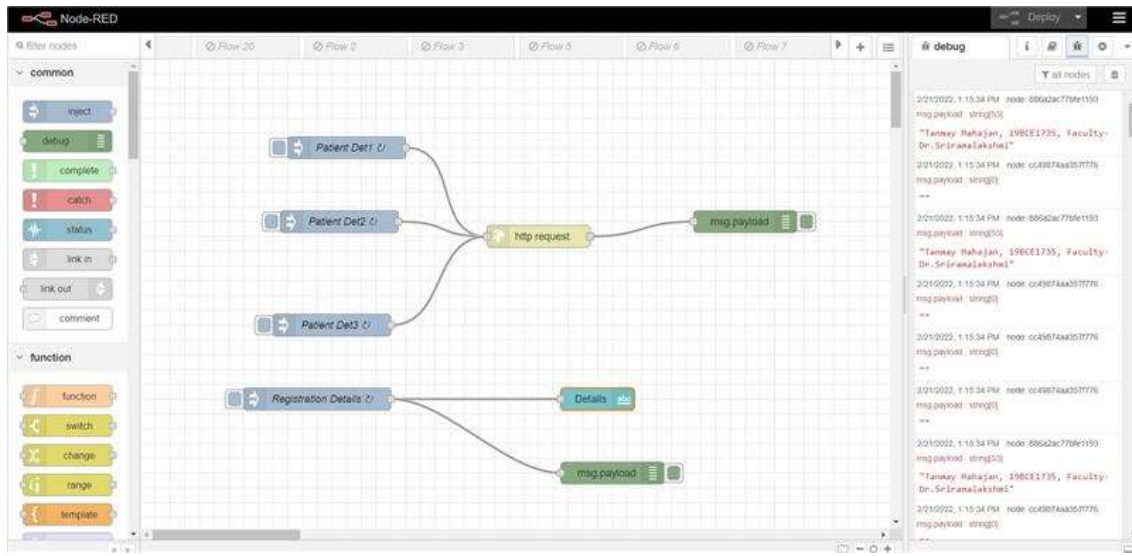
Step 3) Fill requirements and necessary details of all the Nodes.

Step 4) Connect HTTP Node.

Step 5) Select Thingsboard Dashboard and select the widgets according to needs.

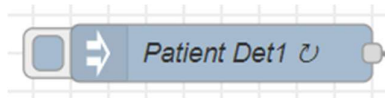
Step 6) The output is visible in the debug menu as well as the ui and the thingsboard dashboard page.

Screenshots of Flow:

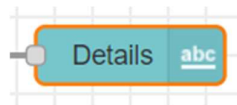


Node:

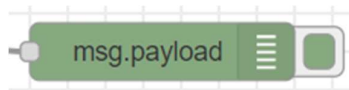
Inject Node:



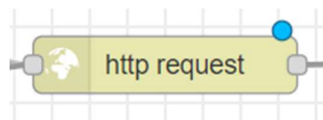
Text Node:



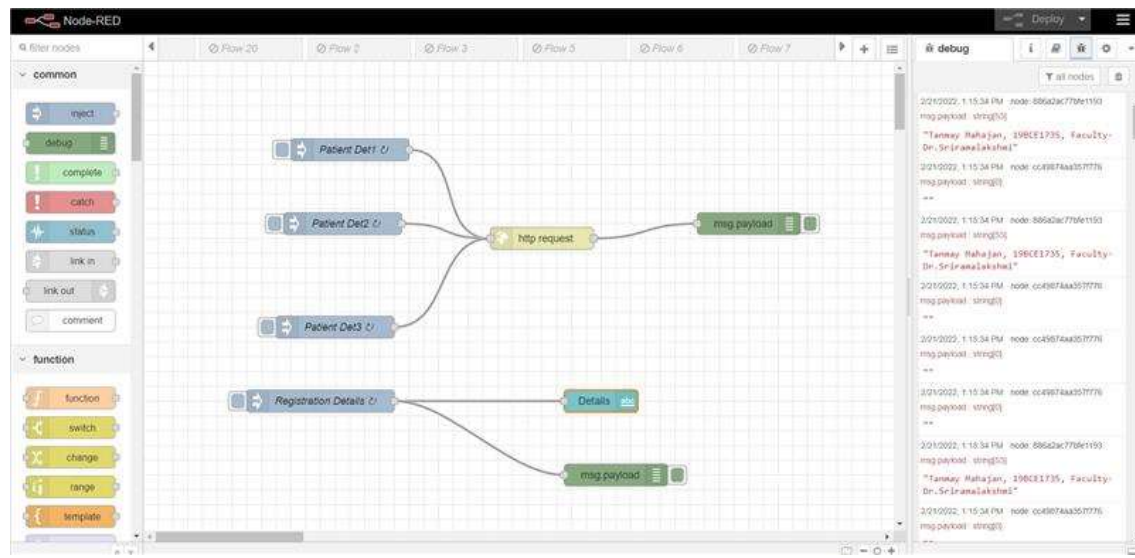
Debug Node:



Http Node:



Debug Window-



Node Property Window

Edit http request node

Delete

Cancel

Done

Properties

Method

POST

▼

URL

https://demo.thingsboard.io/api/v1/n3J33O3ggYqC

☐ Enable secure (SSL/TLS) connection

☒ Use authentication

Type

basic authentication

▼

Username

Password

☐ Enable connection keep-alive

☐ Use proxy

Return

a UTF-8 string

▼

Name

Name

☐ Enabled

Edit inject node

Delete

Cancel

Done

⚙ Properties



📌 Name

Patient Det1

≡ msg. payload = {} {"Temperature":35,"Heart Rate":67,"U ... x

≡ msg. topic = a z x

+ add

inject now

☒ Inject once after 0.2 seconds, then

🔄 Repeat

interval v

every 3 seconds v

☐ Enabled

Edit text node

Delete

Cancel

Done

Properties

Group

[Assessment] IOT

Size

auto

Label

Details

Value format

{{msg.payload}}

Layout

label value

label value

label value

label value

label
value

Name

☐ Enabled

Output-

