Delivery of Sprint – 3

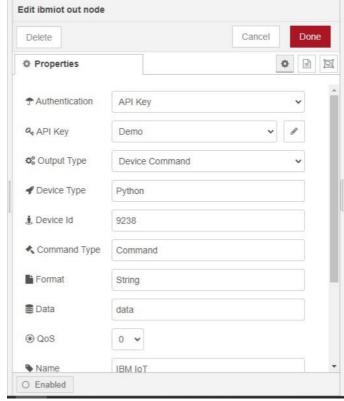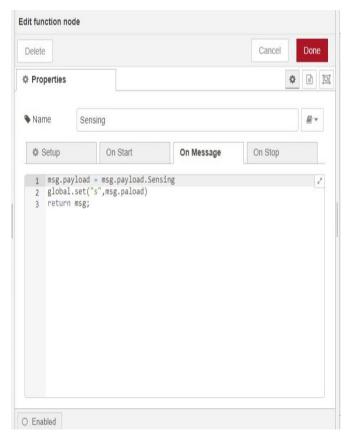| Date	10 November 2022
Team ID	PNT2022TMID49521
Project Name	IOT – Smart Waste Management Systems for Metropolitan Cities
Story Points	20

1. Functional Requirements: Sending wastage information through Web UI
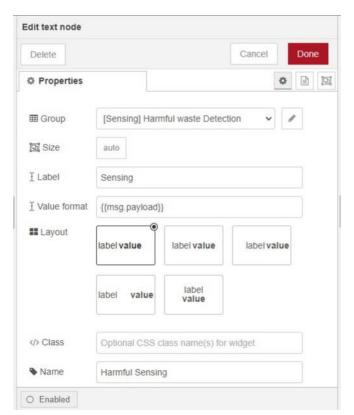User story: USN-4

Solution:

Edit ibmiot in node

Delete   Cancel   Done

⚙ Properties   ⚙ 📄 ▣

- ☂ Authentication   API Key   ⌄
- 🔍 API Key   Demo   ⌄   ✏
- ⚙ Input Type   Device Event   ⌄
- ➤ Device Type   ☑ All or [+]
- 🌡 Device Id   ☐ All or device id e.g. ab12cd231a21
- ☰ Event   ☑ All or [+]
- 📄 Format   ☐ All or json
- ◉ QoS   0 ⌄
- 🏷 Name   IBM IoT
- 🏷 Service   registered

◯ Enabled

Edit ibmiot out node

Delete   Cancel   Done

⚙ Properties   ⚙ 📄 ▣

- ☂ Authentication   API Key   ⌄
- 🔍 API Key   Demo   ⌄   ✏
- ⚙ Output Type   Device Command   ⌄
- ➤ Device Type   Python
- 🌡 Device Id   9238
- 🔧 Command Type   Command
- 📄 Format   String
- 🗄 Data   data
- ◉ QoS   0 ⌄
- 🏷 Name   IBM IoT

◯ Enabled

Edit function node

Delete   Cancel   Done

⚙ Properties   ⚙ 📄 ▣

🏷 Name   Sensing   📖▾

| Setup | On Start | On Message | On Stop |

```
1 msg.payload = msg.payload.Sensing
2 global.set("s",msg.paload)
3 return msg;
```

◯ Enabled

Edit function node

Delete   Cancel   Done

⚙ Properties   ⚙ 📄 ▣

🏷 Name   Location_Information   📖▾

| Setup | On Start | On Message | On Stop |

```
1 msg.payload = msg.payload.Location_info
2 global.set("a",msg.paload)
3 return msg;
```

Edit text node

Delete	Cancel / Done

⚙ Properties ⚙ 📄 🔲

⊞ Group	[Sensing] Harmful waste Detection ▾ / ✏
🔲 Size	auto
I Label	Sensing
I Value format	{{msg.payload}}
▪▪ Layout	label **value** label **value** label **value** label **value** label **value**
</> Class	Optional CSS class name(s) for widget
🏷 Name	Harmful Sensing

○ Enabled

Edit text node

Delete	Cancel / Done

⚙ Properties ⚙ 📄 🔲

⊞ Group	[Sensing] Harmful waste Detection ▾ / ✏
🔲 Size	auto
I Label	Address & Mobile Number
I Value format	{{msg.payload}}
▪▪ Layout	label **value** label **value** label **value** label **value** label **value**
</> Class	Optional CSS class name(s) for widget
🏷 Name	Location Information

○ Enabled

Edit function node

Delete	Cancel / Done

⚙ Properties ⚙ 📄 🔲

🏷 Name	Sensing	📖▾

⚙ Setup	On Start	**On Message**	On Stop

```
1  msg.payload = {"Sensing":global.set("s")}
2  return msg;
```

○ Enabled

Edit http in node

Delete	Cancel / Done

⚙ Properties ⚙ 📄 🔲

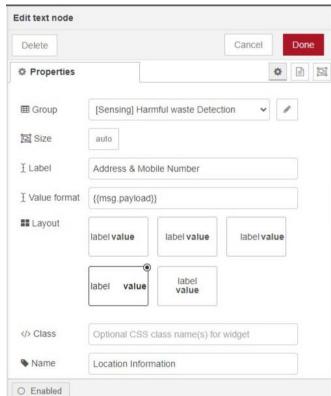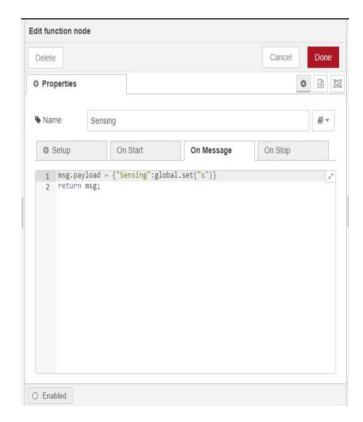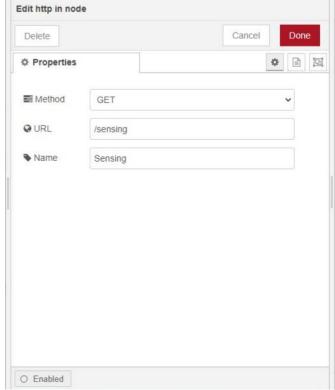|	
☰ Method	GET ▾
🌐 URL	/sensing
🏷 Name	Sensing

○ Enabled

Web UI:

Sensing

Harmful waste Detection

| Address & Mobile Number | **7-1-139, 1st street, Mangayarkarasi Nagar, Paravai, Madurai. & 9876123450** |

Sensing **Harmful Waste is detected**