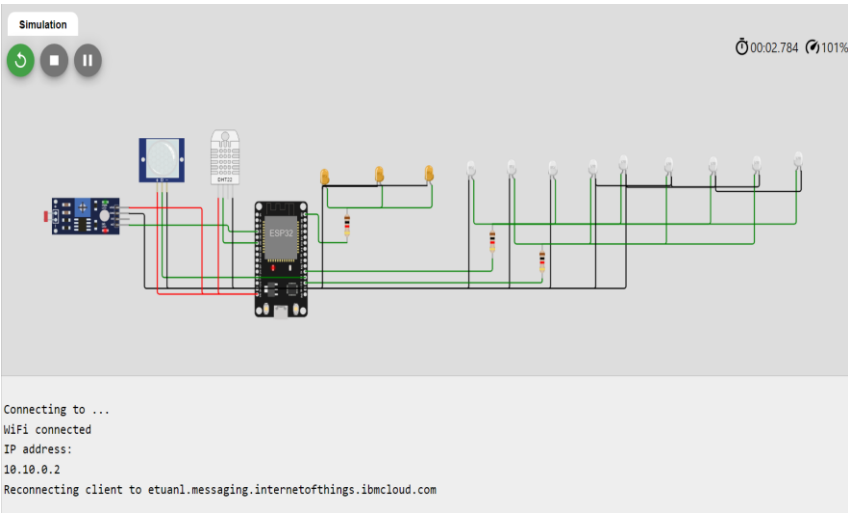
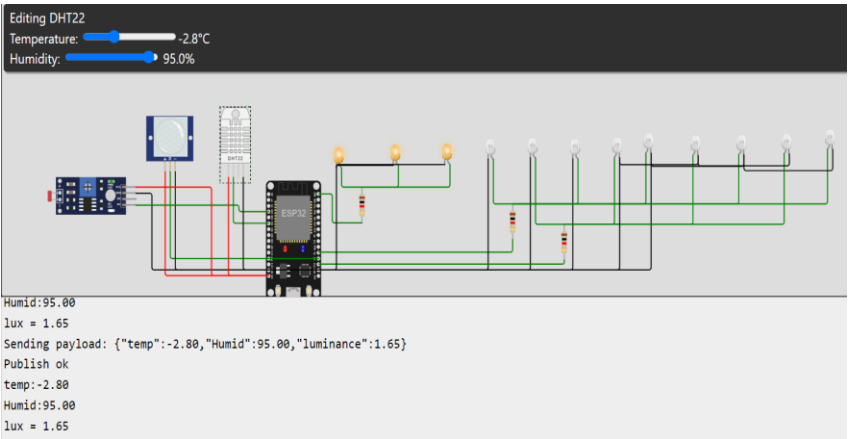


Project Development Phase Performance Test

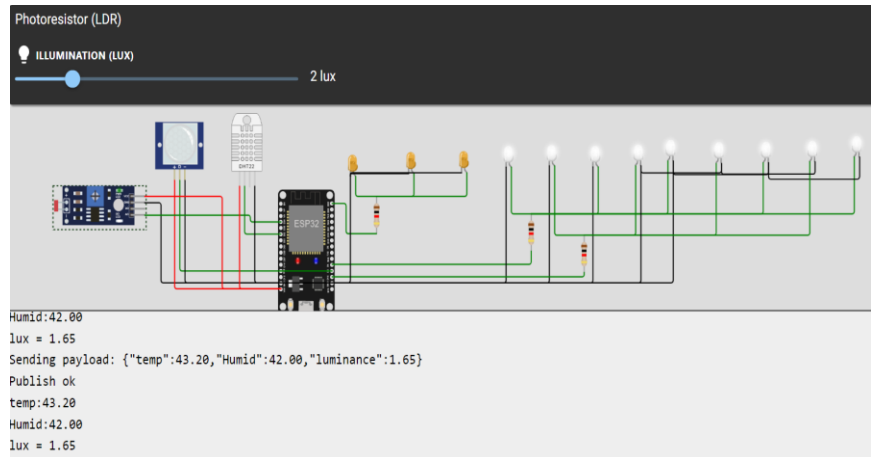
Date	24 May 2023
Team ID	NM202TMID04258
Project Name	IoT Based Weather adaptive Street Lighting System

Model Performance Testing:

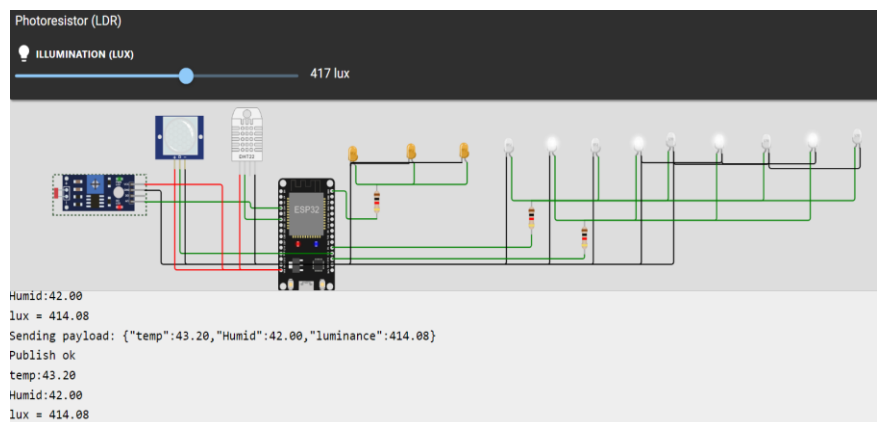
Project team shall fill the following information in the performance testing template.

Parameter	Values	Screenshot
Metrics	<p>Wowki Execution time and Output screenshot</p> <p>When humidity (above 60) Amber light will glow</p>	 <p>Connecting to ... WiFi connected IP address: 10.10.0.2 Reconnecting client to etuanl.messaging.internetofthings.ibmcloud.com</p>  <p>Humid:95.00 lux = 1.65 Sending payload: {"temp":-2.80,"Humid":95.00,"luminance":1.65} Publish ok temp:-2.80 Humid:95.00 lux = 1.65</p>

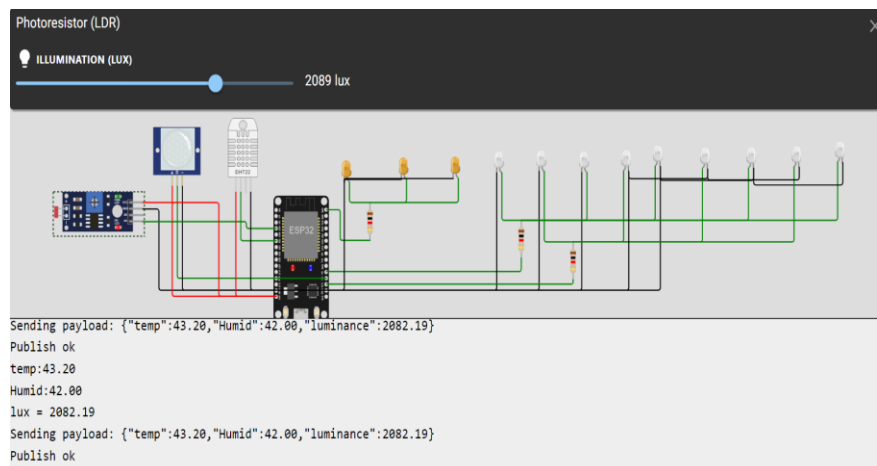
When humidity
(below 60) and
luminance (below 400)
100% power is used by
the streetlight



When luminance
(above 400) and
(below 1600)
50% power is used by
street light



When luminance
(above 1600)
0% power is used by the
street light



IBM CLOUD
OUTPUT

The screenshot shows the IBM Watson IoT Platform dashboard. The browser address bar indicates the URL: `etuanl.internetofthings.ibmcloud.com/dashboard/devices/browse`. The user is logged in as `msckannan.s@gmail.com` with ID `etuanl`. The dashboard displays a table of recent events.

Event	Value	Format	Last Received
Data	<code>{"temp":43.2,"Humid":42,"luminance":2082.19}</code>	json	a few seconds ago
Data	<code>{"temp":43.2,"Humid":42,"luminance":2082.19}</code>	json	a few seconds ago
Data	<code>{"temp":43.2,"Humid":42,"luminance":2082.19}</code>	json	a few seconds ago
Data	<code>{"temp":43.2,"Humid":42,"luminance":2082.19}</code>	json	a few seconds ago
Data	<code>{"temp":43.2,"Humid":42,"luminance":2082.19}</code>	json	a few seconds ago

NODE-RED
OUTPUT

The screenshot shows the Node-RED interface. A flow contains an `IBM IoT` node (status: connected) connected to a `msg.payload` node. The right-hand console displays a log of messages received from the IoT node.

```
5/24/2023, 10:05:22 PM node: msg.payload  
iot-2/hype/streetlight/id/22123/evi/Data/fmt/json :  
msg.payload : Object  
  { temp: 43.2, Humid: 42, luminance: 2082.19 }  
5/24/2023, 10:05:23 PM node: msg.payload  
iot-2/hype/streetlight/id/22123/evi/Data/fmt/json :  
msg.payload : Object  
  { temp: 43.2, Humid: 42, luminance: 2082.19 }  
5/24/2023, 10:05:24 PM node: msg.payload  
iot-2/hype/streetlight/id/22123/evi/Data/fmt/json :  
msg.payload : Object  
  { temp: 43.2, Humid: 42, luminance: 2082.19 }  
5/24/2023, 10:05:26 PM node: msg.payload  
iot-2/hype/streetlight/id/22123/evi/Data/fmt/json :  
msg.payload : Object  
  { temp: 43.2, Humid: 42, luminance: 2082.19 }  
5/24/2023, 10:05:27 PM node: msg.payload  
iot-2/hype/streetlight/id/22123/evi/Data/fmt/json :  
msg.payload : Object  
  { temp: 43.2, Humid: 42, luminance: 2082.19 }
```

--	--	--