

# SMART FARMING APPLICATION

## Mobile Application using MIT APP Inventor

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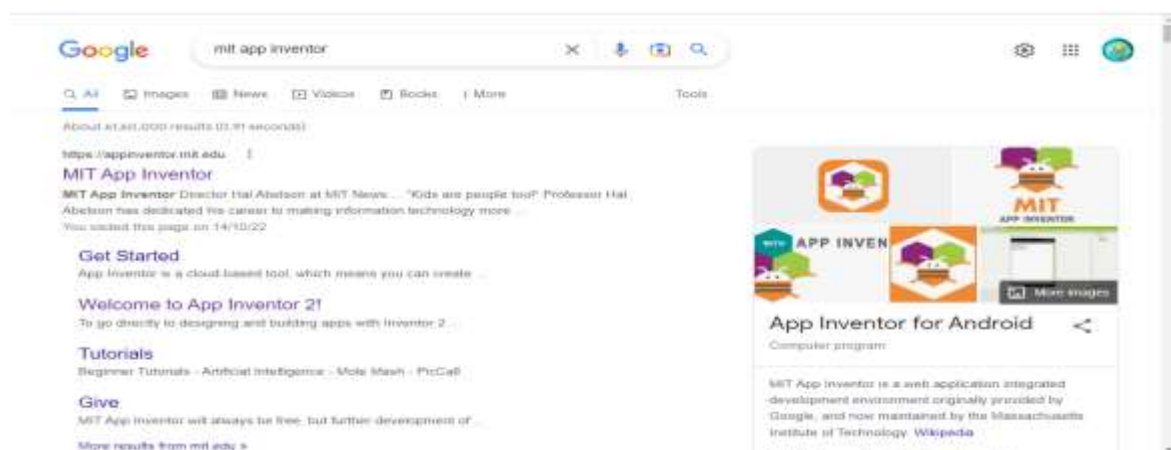
Janashri N

Mokshitha A

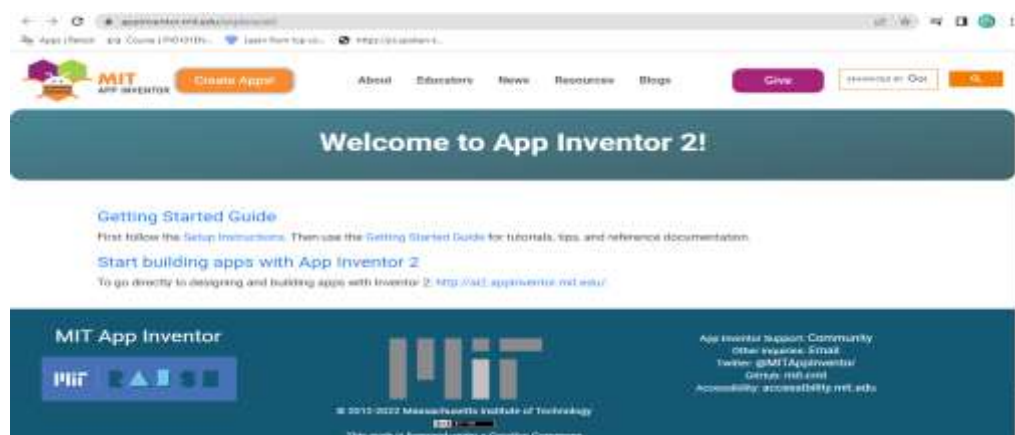
Mageshwari S

### STEPS TO BE INVOLVED IN DEVELOPING MOBILE APPLICATION:

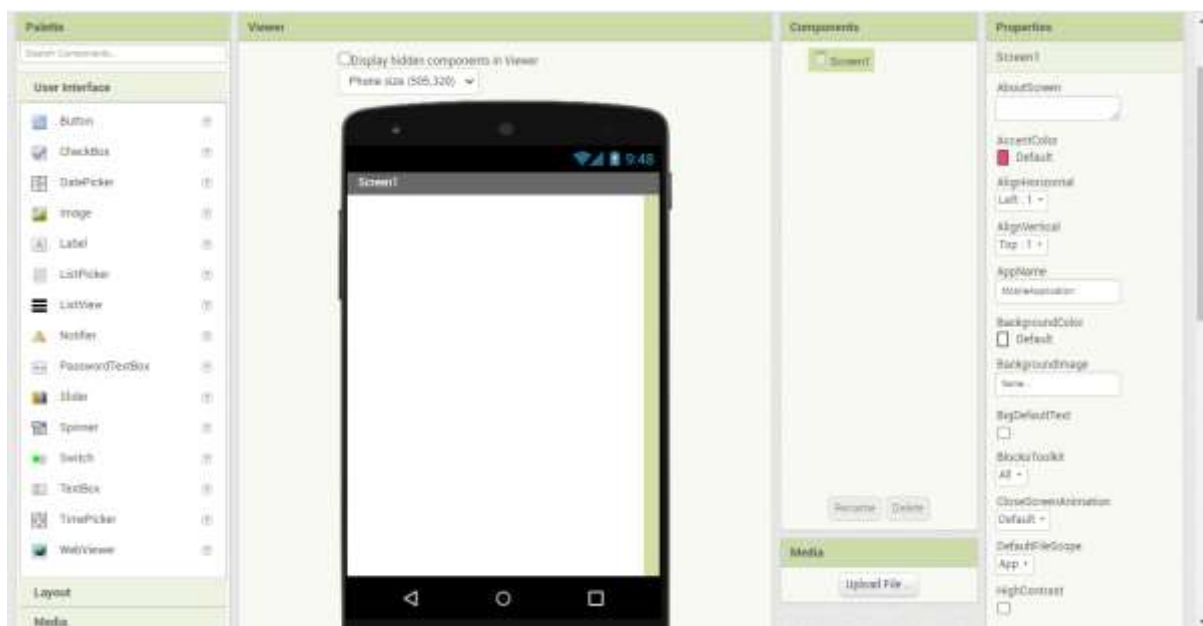
Step 1 – Open MIT APP Inventor from Google



Step 2 – Login using email id



### Step 3 – Create new project and give name



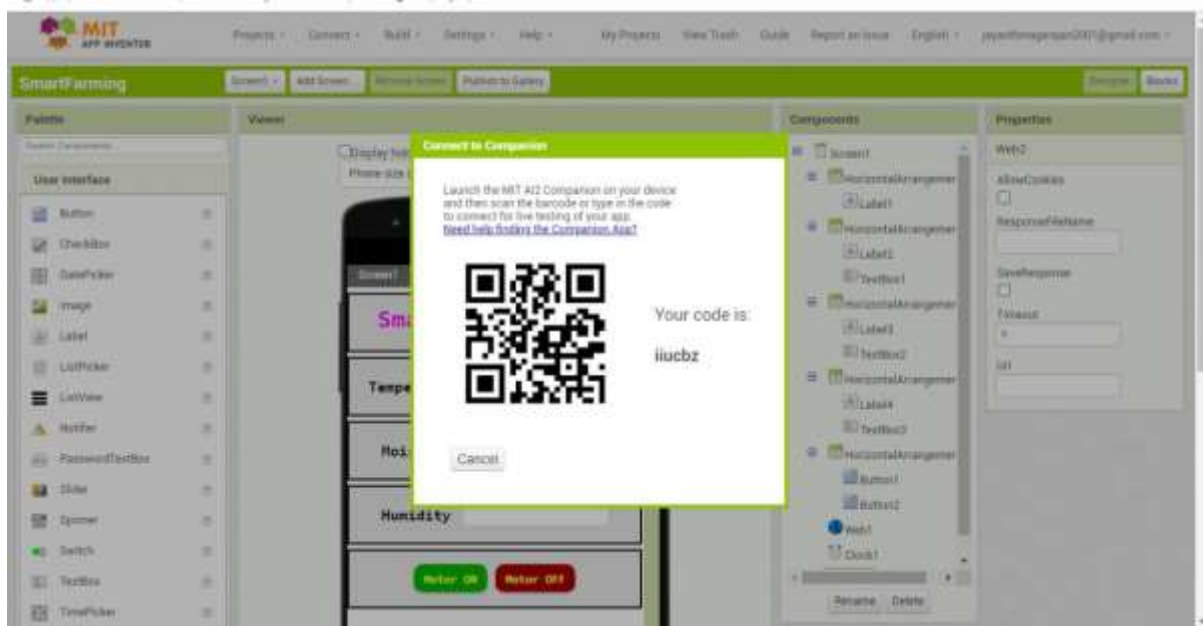
### Step 4 – Build the UI



### Step 5 – Build code blocks accordingly

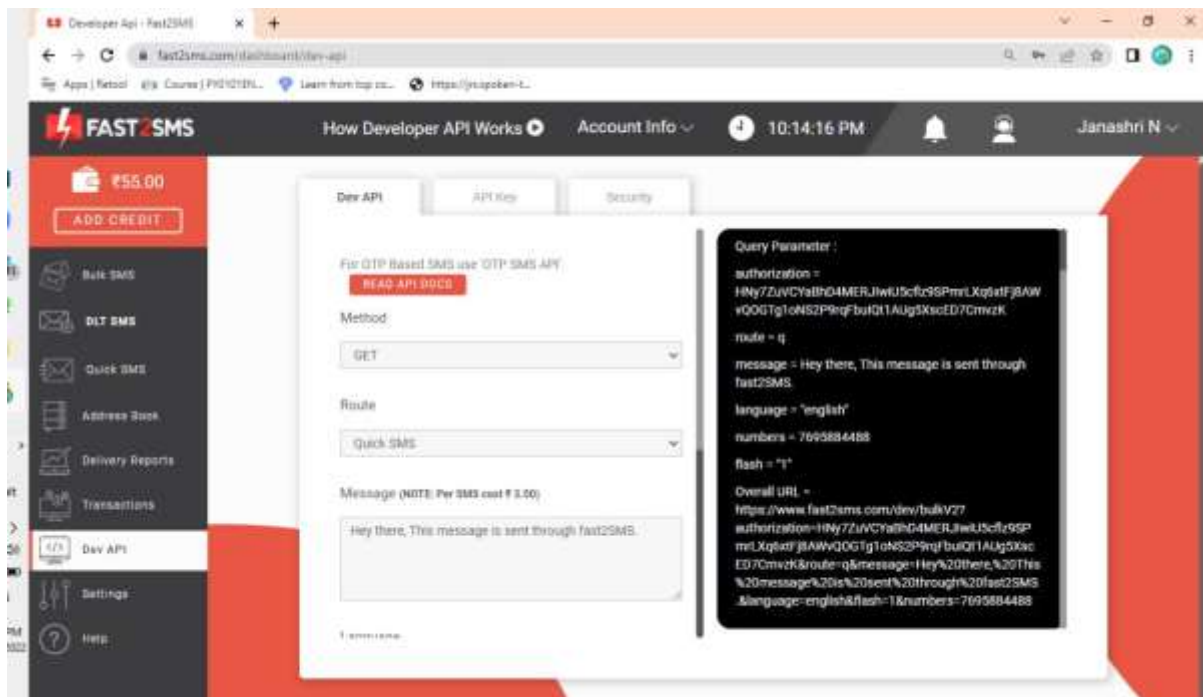


## Step 6 – Connect to the AI Companion



## Step 7 – Open Node-red and make connections

## Step 8 – Open fast2sms and send the message



Step 9 – Open python shell IDE and run the code

```
Python Shell 3.9.2
File Edit Shell Debug Options Window Help

: 65}
Published data Successfully: %s {'soil_moisture': 40, 'temperature': 16, 'humidity': 85}
Published data Successfully: %s {'soil_moisture': 48, 'temperature': 98, 'humidity': 69}
Published data Successfully: %s {'soil_moisture': 8, 'temperature': 0, 'humidity': 3}
Published data Successfully: %s {'soil_moisture': 42, 'temperature': 67, 'humidity': 49}
Message received from IBM IoT Platform: motoron
Motor is switched on

Message received from IBM IoT Platform: motoroff
Motor is switched OFF
```

Step 10 – Open the IoT UI and check the variations in temperature, moisture, humidity

