



University Institute of Engineering
Department of Computer Science & Engineering

Experiment: 1.3

Student Name:

UID:

Branch: Computer Science & Engineering

Section/Group:

Semester: 2nd

Subject Name: Disruptive Technologies

Subject Code: 21ECH-103

1. Aim of the practical: Develop a smart phone application for smart home voice-assistant.

2. Tool Used: MIT App Inventor, ESP32, Stepper Motor.

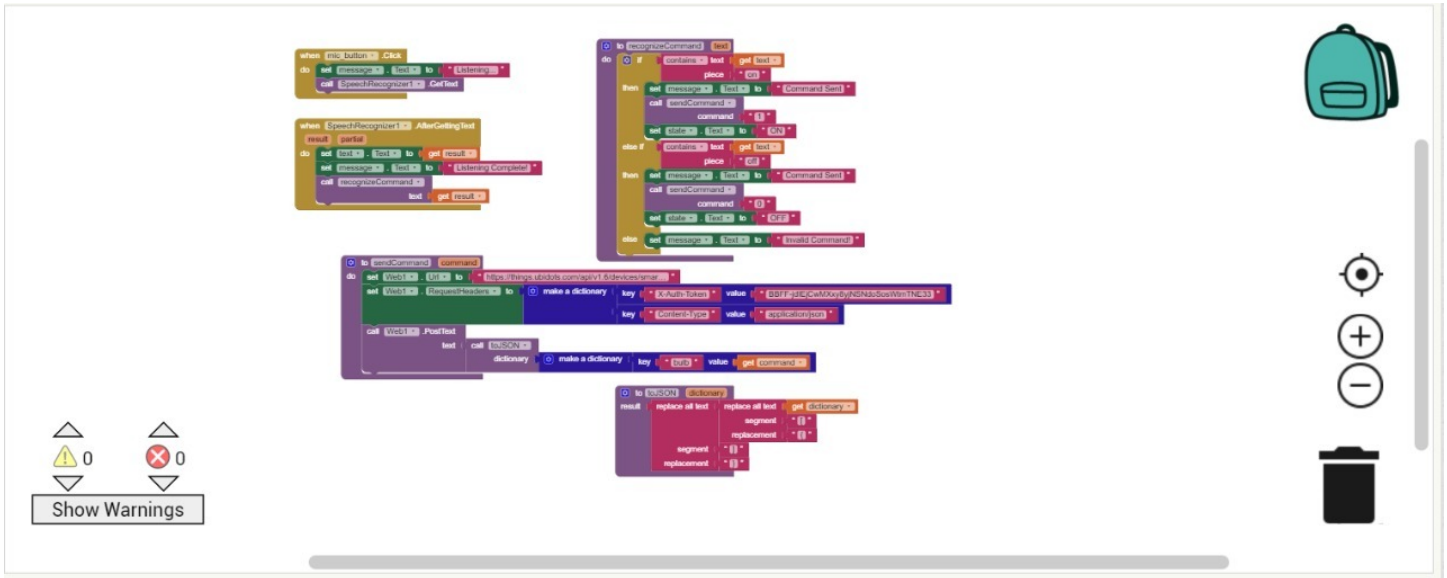
3. Basic Concept/ Command Description:

4. Code



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5. Observations, Simulation Screen Shots and Discussions



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Description

Change description

API Label

bulb

ID

6221b15e894b9b61ab846e5b

Allowed range

From: Min to: Max

Scaling function ⓘ

Slope 1

Offset 0

Unit

Add unit

Tags

Add new tag

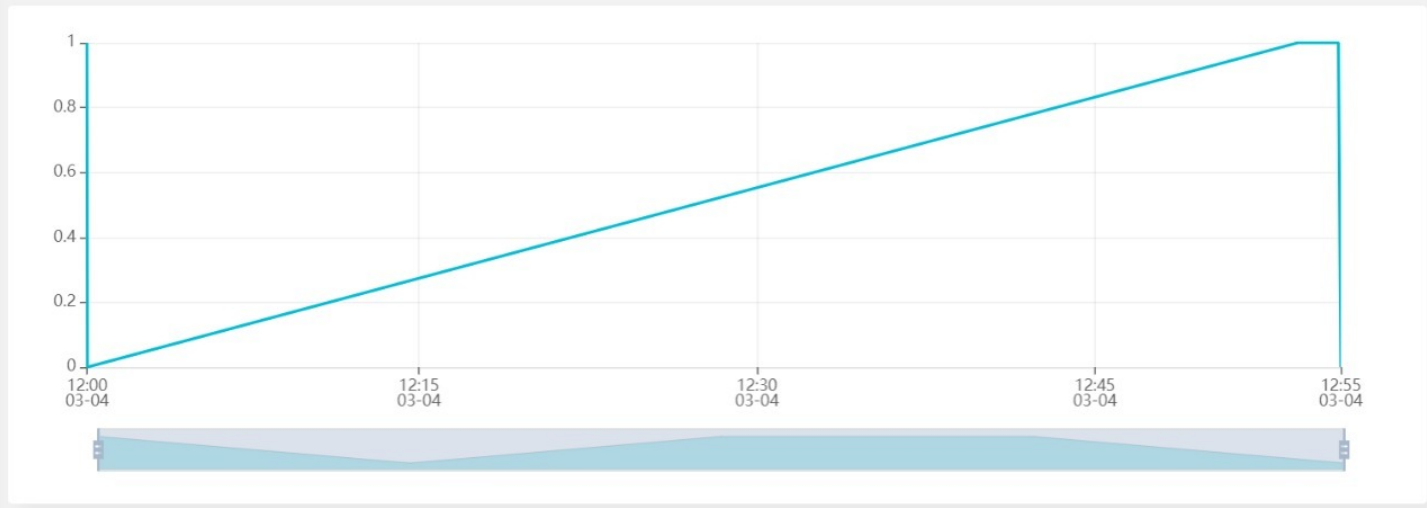
Last activity

a few seconds ago

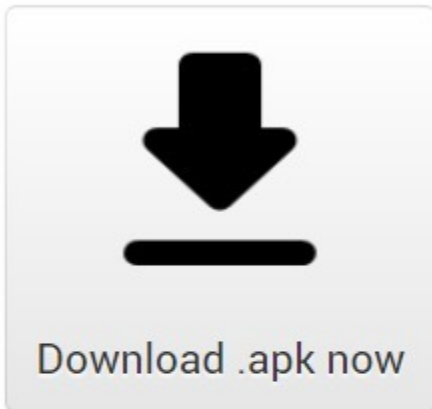


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Android App for Smart_Home_Test



Click the button to download the app, right-click on it to copy a download link, or scan the code with a barcode scanner to install.

Note: this link and barcode are only valid for 2 hours. See [the FAQ](#) for info on how to share your app with others.

Dismiss



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6. Result and Summary: a working app created named iot lab smart home

7. Additional Creative Inputs (If Any):

Learning outcomes (What I have learnt):

1. After scanning the QR code app got successfully installed on the phone.
2. The switch turned on upon giving the voice command.
3. The colour changed to blue after it received the signal successfully.

Evaluation Grid (To be filled by Faculty):

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.	Worksheet completion including writing learning objectives/Outcomes.(To be submitted at the end of the day)		10
2.	Post Lab Quiz Result.		5
3.	Student Engagement in Simulation/Demonstration/Performance and Controls/Pre-Lab Questions.		5
	Signature of Faculty (with Date):	Total Marks Obtained:	20