



RAMCO INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi & Affiliated to Anna University

An ISO 9001: 2015 Certified Institution

Automation and Robotics Club

in association with

RIT ISTE Student Chapter, The Institution of Engineers (India), RIT Mechanizo and Institutions
Innovation Council

Jointly organizes

Workshop on “Home Automation using IoT” For Polytechnic Students

Date: 20.06.2021

Time: 10.30 AM to 11.30 AM (IST)

Convener:

Dr. S. Godwin Barnabas, ASCP/ Mech

Mr. S. Valai Ganesh, AP/Mech

Faculty Co-ordinators:

Mr. T. Selva Sundar, AP/Mech

Mr. K. Vigneshwaran, AP/Mech

Student Co-ordinators:

Mr. S. Jehaveerapandian, II Mech

Mr. P. R. Vijay Jeganath, II Mech

Resource Person:

Mr. S. Valai Ganesh, AP/Mech

A one-day workshop on “Home Automation using IoT” for Polytechnic students was organized by Automation and Robotics Club in association with RIT ISTE Student Chapter, The Institution of Engineers (India), RIT Mechanizo and Institutions Innovation Council (IIC).

Dr. S. Godwin Barnabas, ASCP/Mech delivered welcome address and introduced the resource person of this event. He detailed about the schedule of event along with outcome of this event. Mr. T. Selva Sundar, AP/Mech detailed about the scope of Robotics in this modern era and also, he expressed about the activities carried out by the Automation club of RIT.

The resource person handled the topics like Basics of IoT, Introduction to Pi, Configuring Pi, Basic setups for beginners, LED Blinking, Sensors like DHT, Ultrasonic, Actuators Interfacing, and Programming.

Also, he explained about Thingspeak module for visualizing the output from our mobile. Mr. K. Vigneshwaran, AP/Mech delivered vote of thanks. Quiz link was posted in the chat box. The toppers of the quiz were announced in Automation and Robotics Club social media pages.



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Presents

WORKSHOP ON
HOME AUTOMATION USING IOT

WELCOME YOU ALL

📅 JUNE 20, 2021 ⌚ 10.30-11.30 AM IST

Associate Members

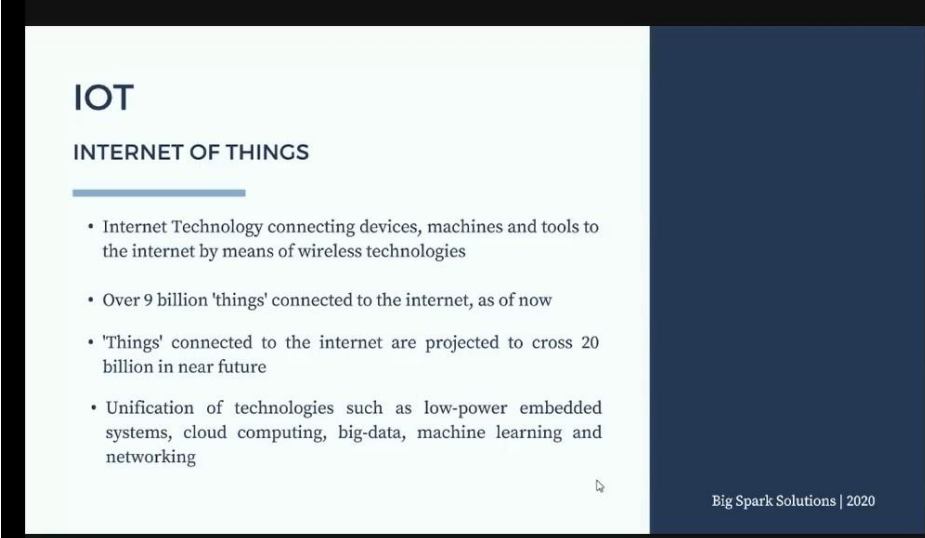
RIT ISTE Students Chapter RIT IE(I) IIC

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Sanjay RA

Figure 1: Welcome Page



IOT
INTERNET OF THINGS

- Internet Technology connecting devices, machines and tools to the internet by means of wireless technologies
- Over 9 billion 'things' connected to the internet, as of now
- 'Things' connected to the internet are projected to cross 20 billion in near future
- Unification of technologies such as low-power embedded systems, cloud computing, big-data, machine learning and networking

Big Spark Solutions | 2020

ARC RIT

Figure 2: Basics of IoT

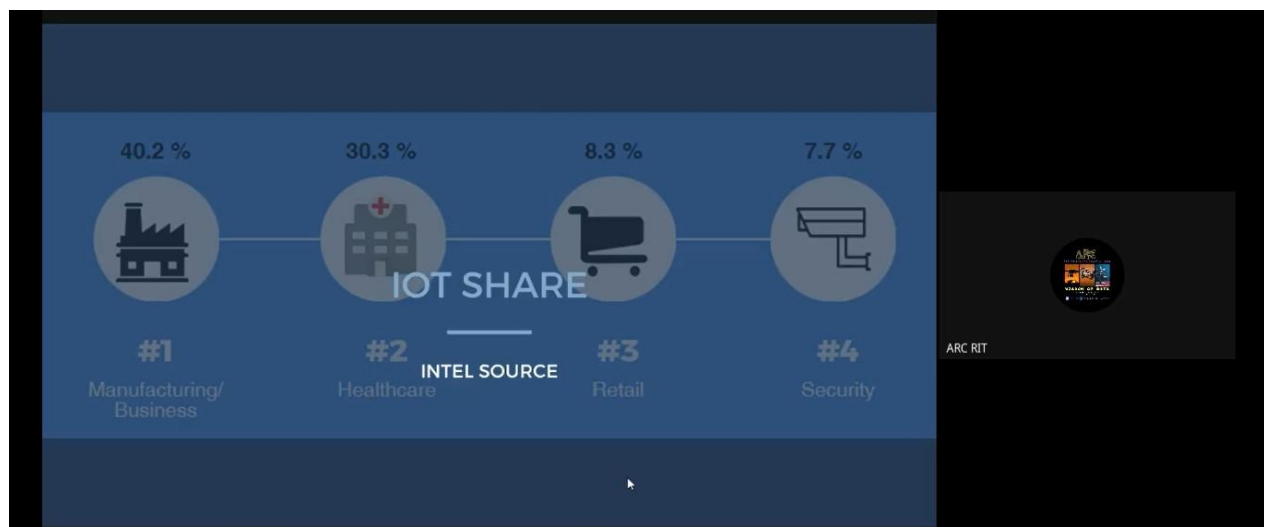


Figure 3: IoT Shares in all major domains

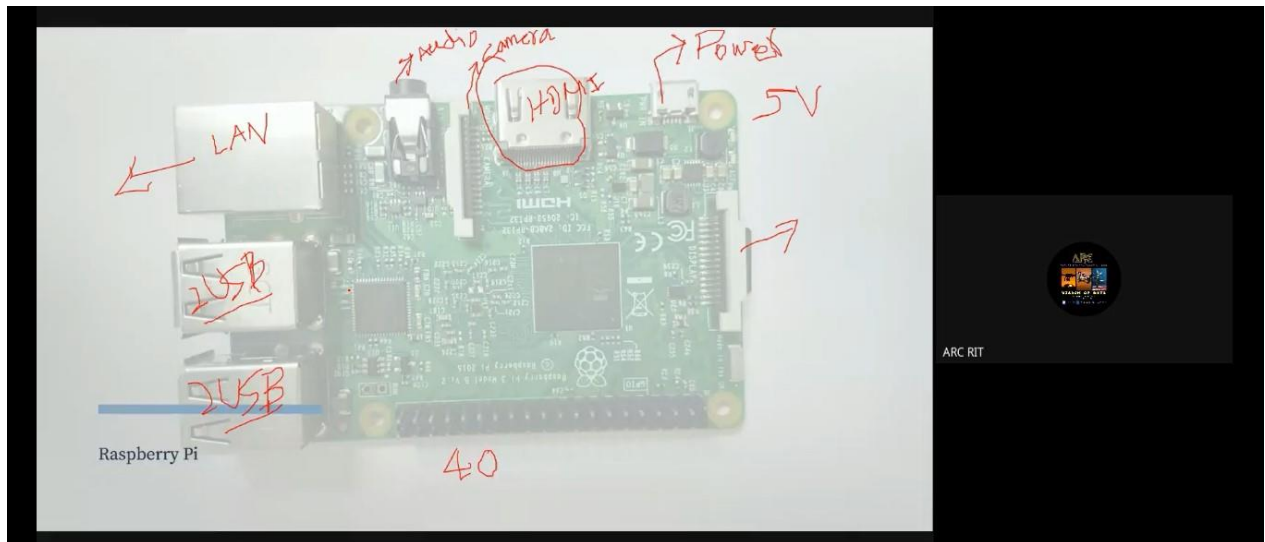


Figure 4: Raspberry Pi Model B

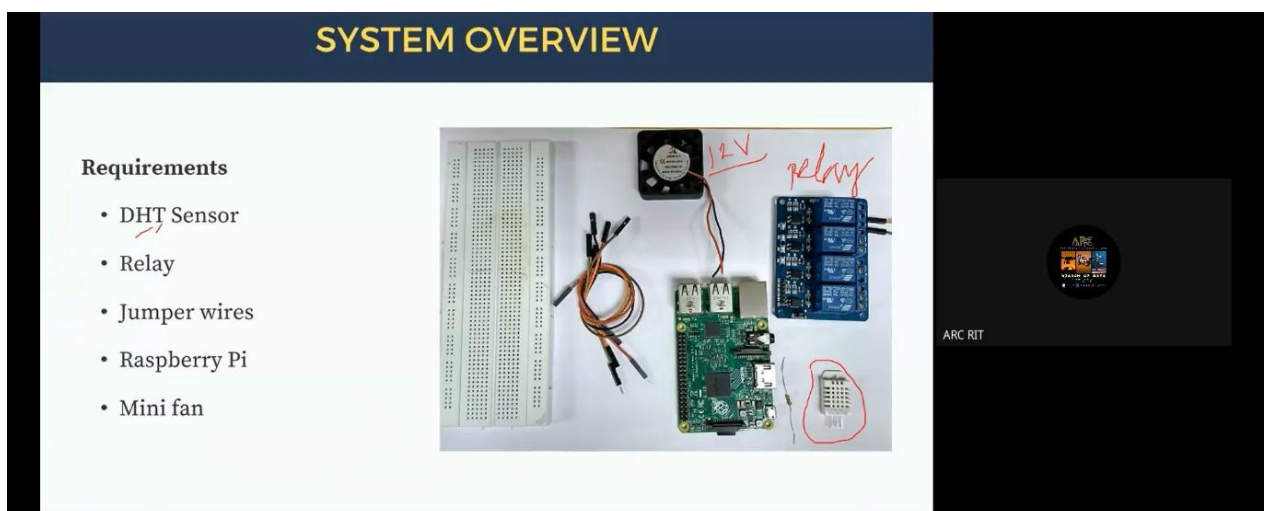


Figure 5: Home Automation Basic Components

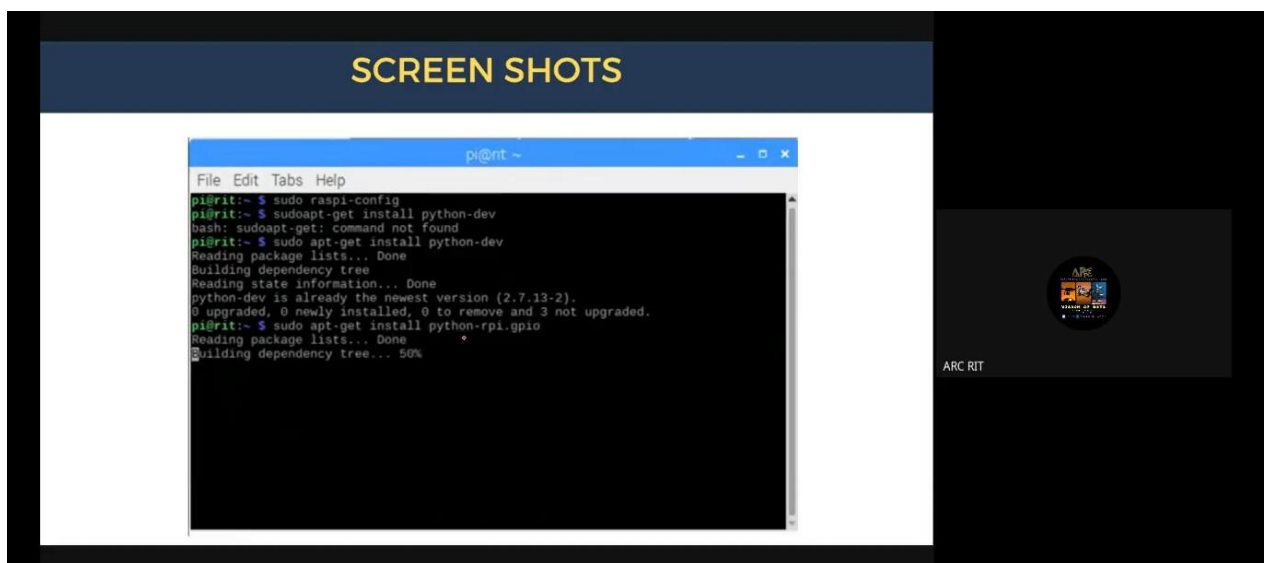


Figure 6: Programming

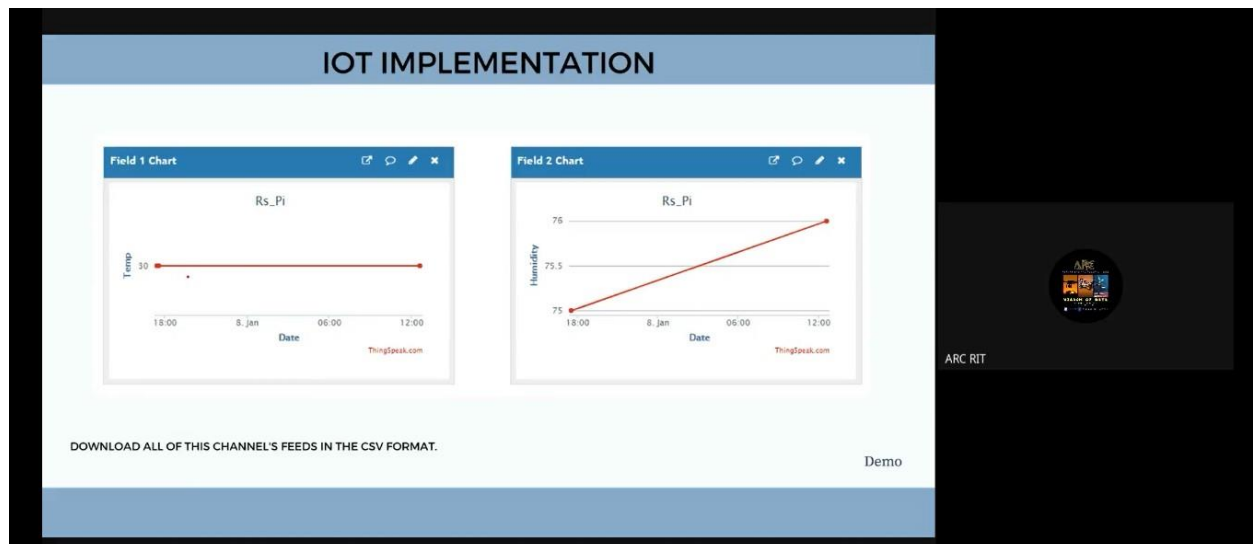


Figure 7: Thingspeak Module

Totally, there are 76 registrations are received across all major cities of our state and few are from other states also. Out of which 35 participants confirmed and around 32 participants attended daily via Google Meet Platform. 32 Participants received their certificate after they completed all procedures.

After the end of each day session, Quiz was conducted to the participants through google form. The toppers of each day quiz was posted in arc social media pages facebook.com/arcrit and instagram ID arc_rit

Certificate Sample:





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AUTOMATION AND ROBOTICS CLUB

Presents

WORKSHOP ON

HOME AUTOMATION USING IOT

QUIZ TOPPERS



KALIRAJ T
SIVARAM R
R.GANESH KANNAN
NANDHA GANESH.S
P. A. C. RAMASAMY RAJA POLYTECHNIC COLLEGE,
RAJAPALAYAM

DAMANJOT SINGH
GNA UNIVERSITY, PUNJAB

MANISH KUMAR
GOVERNMENT POLYTECHNIC FOR WOMEN, JAMMU

RAJKUMAR V
AYYANADAR JANAKIYAMMAL POLYTECHNIC COLLEGE,
SIVAKASI



SANJAY R A
BHAKTHAVATSALAM POLYTECHNIC COLLEGE, KANCHIPURAM

METHUN SANKAR AV
AYYANADAR JANAKIYAMMAL POLYTECHNIC COLLEGE,
SIVAKASI

JEEVANANDAM . R
PSG POLYTECHNIC COLLEGE, COIMBATORE



DHANUSHKARAN J
GOKUL S
PSG POLYTECHNIC COLLEGE, COIMBATORE

ASSOCIATE PARTNERS



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Feedback - HOME AUTOMATION USING IoT on June 20,2021

20 responses

[Publish analytics](#)

Name of the participant (Eg. K.RAMESH BABU)

20 responses

SANJAY R A

S.NANDHA GANESH

A ARAVINTHAN

P.R. VIJAY JAGANATH

M.MANISH IN

GOKUL S

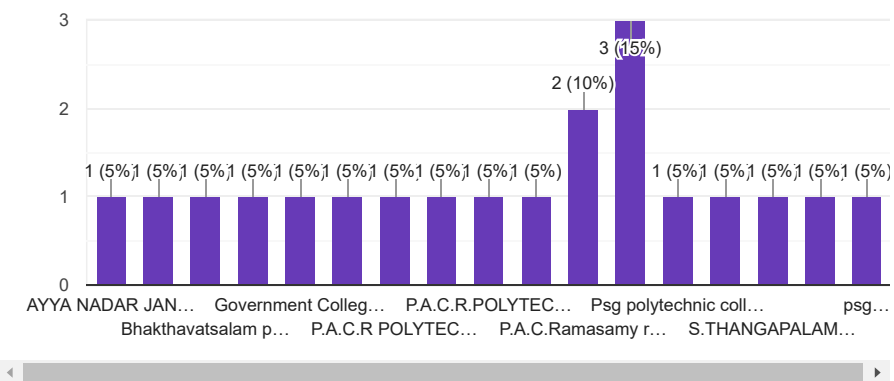
PALANIKUMAR. V

M.Yuthra Praveen Kumar

Damanjot Singh

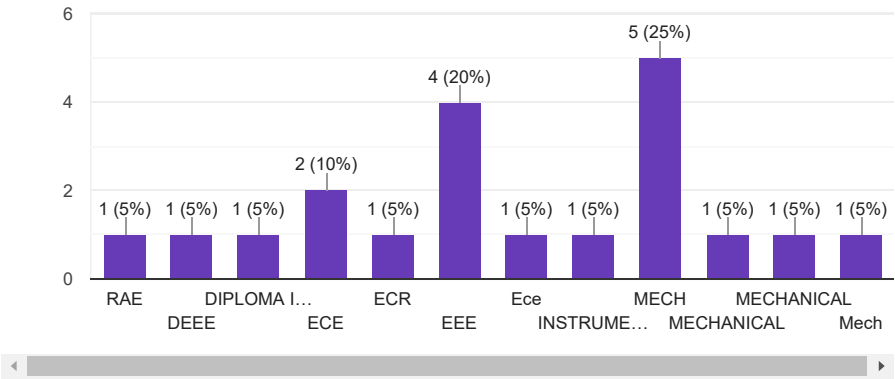
College Name (Eg.Ramco Institute of Technology)

20 responses



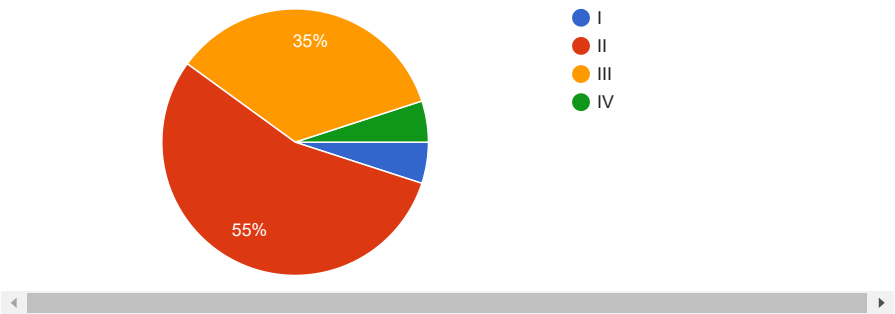
Department in Upper Case (Eg.CIVIL,CSE, ECE, EEE,MECH)

20 responses



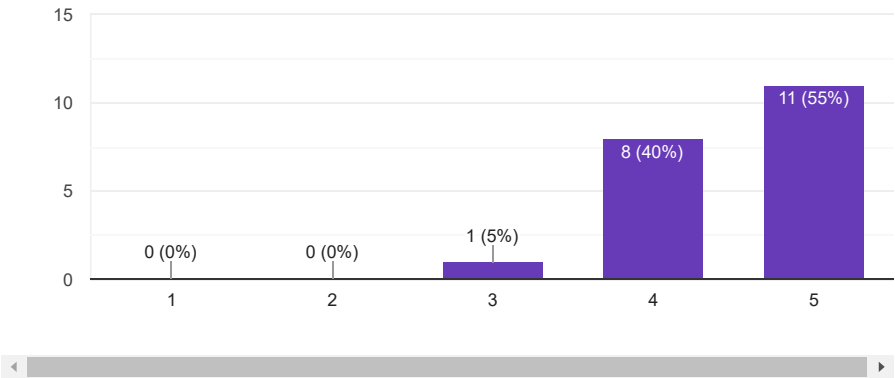
Year of Study

20 responses



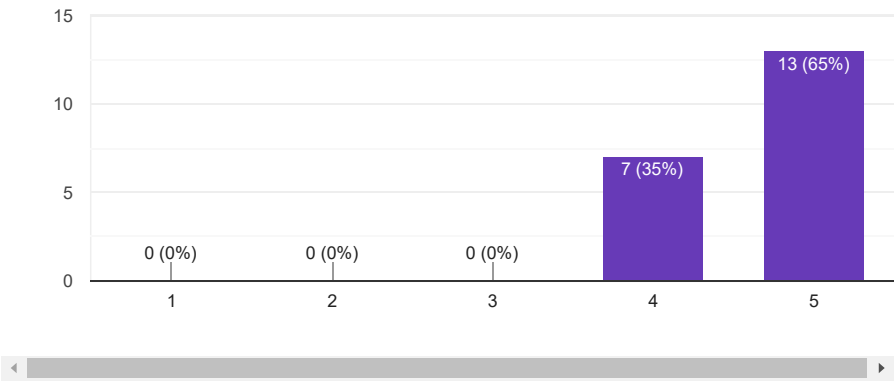
The webinar Provided me with valuable information regarding the theme

20 responses



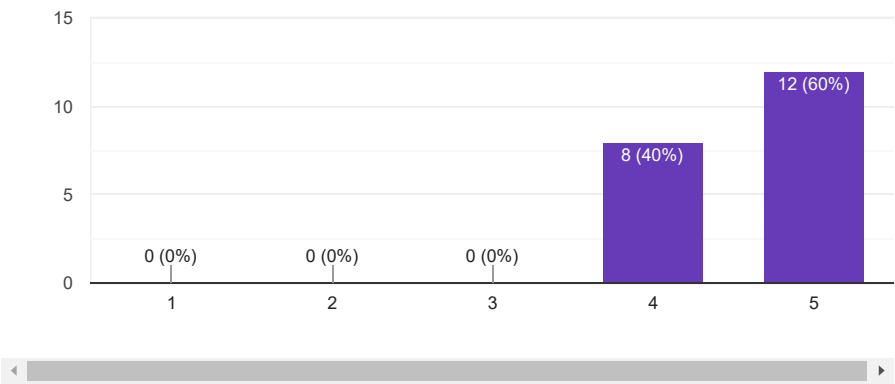
The content delivered by resource person was useful

20 responses



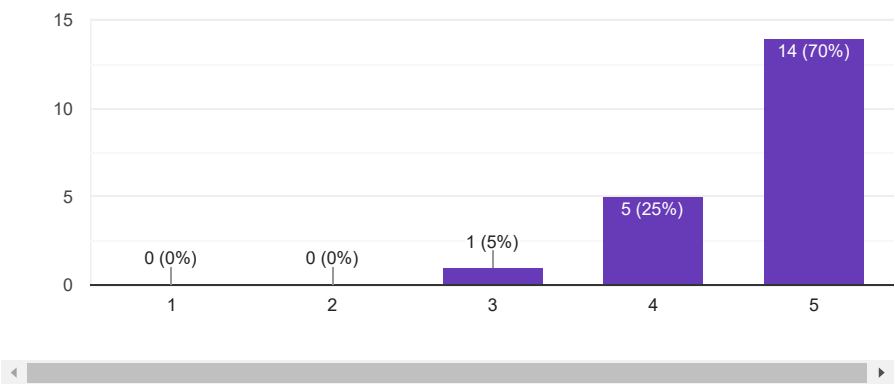
The technological support was strong enough to execute webinar smoothly

20 responses



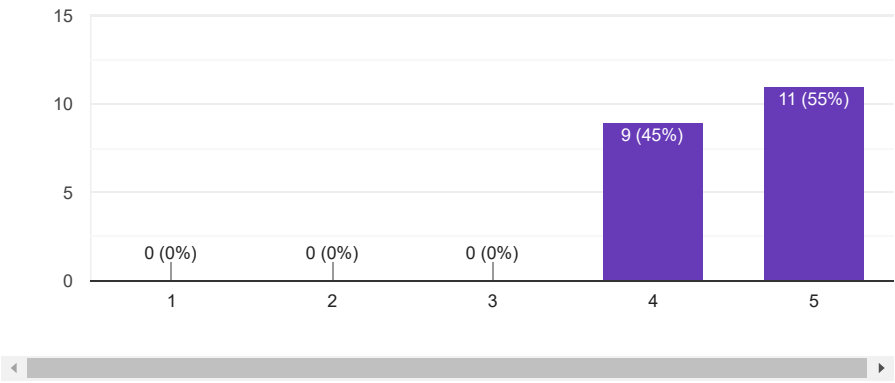
Rate the duration of webinar

20 responses



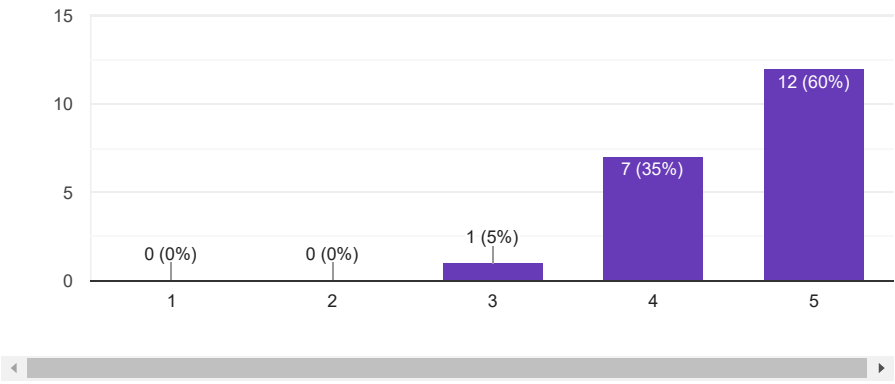
Interaction / Q&A with the resource person

20 responses



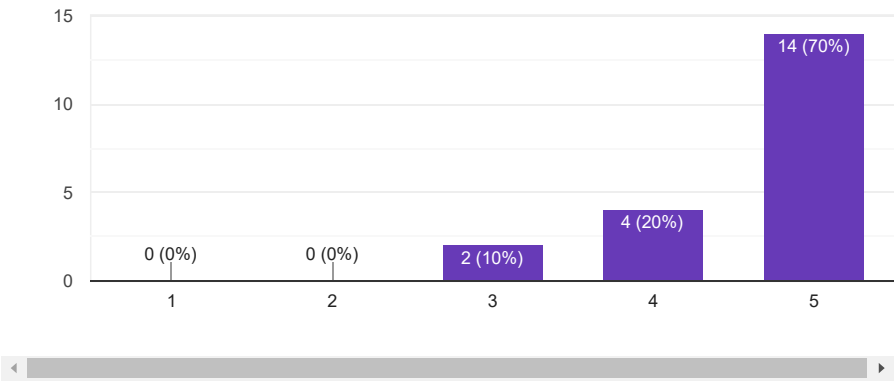
Webinar Video Quality

20 responses



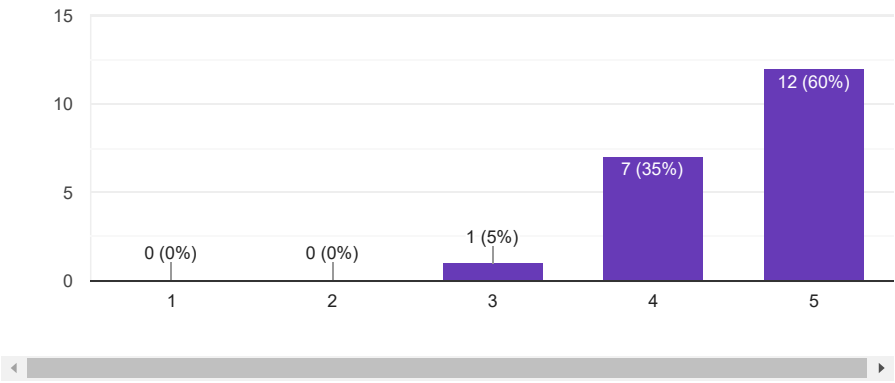
Continuity in streaming

20 responses



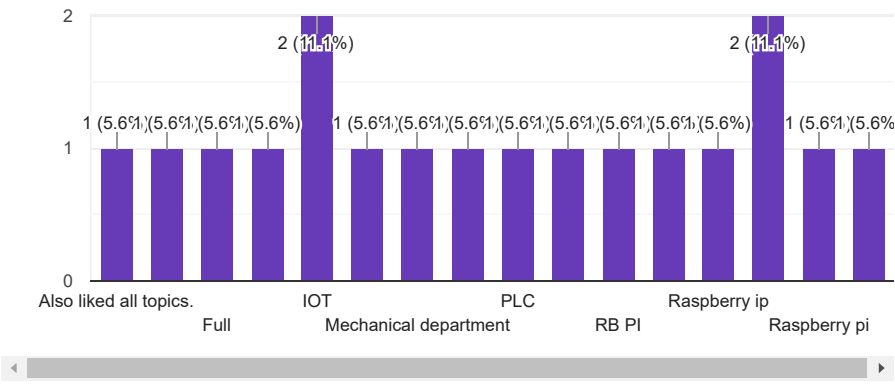
Rate the timely communication in all aspects of the program

20 responses



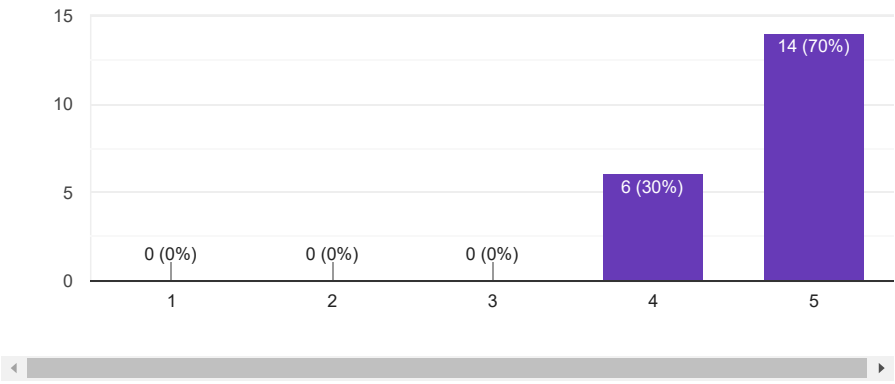
Any specific topic which you liked very much

18 responses



Overall feedback of the webinar

20 responses



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Google Forms

