



Geethanjali College of Engineering and Technology
(Autonomous)

Department of Electronics and Communication Engineering

Report on

Guest Lecture on

“Architecture of IoT and it’s Applications”

held on 7th January 2021

Department of Electronics and Communication Engineering under Circuits and Systems chapter IEEE Student Branch for 3rd year students organised a guest lecture on” Architecture of IoT and it’s Applications” through online mode.

Faculty Co-ordinator:

Mrs G.Sreelakshmi, Associate professor, IEEE-CAS-ECE

Resource person:

- Mrs N.Divya, Senior IoT Engineer ,Smart bridge Technologies, Hyderabad

Objectives:

- Understanding the importance of IoT and it’s architectures
- Knowing the need of industry in Embedded and IoT domain

Need

- Students were able to understand the important domains in their core field
- The use of Smart devices in daily life with examples were explained in a very detailed manner
- Similarly, the key aspects in the field of Embedded Systems and various sensors, with internet based is also explained very clearly with the help of video’s


PRINCIPAL
Geethanjali College of Engg. and Tech.
Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501 301.

- Various IoT architectures, its software and its requirements to develop projects were explained in detail and how to get job in core area, skills required to get internship and job given suggestions

Report

The session started at 11:00 AM by student coordinator Ms. G. Haasya by welcoming the participants. Mrs. G.SreeLakshmi, Associate Professor introduced guest speaker Ms.Nemuri Divya, Senior IoT engineer, Smart Bridge Educational Services Private limited, Hyderabad. Over 150 students participated in guest lecture from all sections of 3rd year and got benefited. The resource person clearly explained the use of IoT and future scope in this domain. Each and every application of IoT such as Health care, Agriculture etc., were explained in detailed way. Few live projects are discussed and one their company's ongoing project is also discussed. The session was very interactive. And many doubts of students regarding the sensors and automation were also discussed in detail. Connection between Machine learning and IoT is also discussed, which was very interesting

The screenshot shows a Zoom webinar interface. The main content is a presentation slide titled "APPLICATIONS IN DIFFERENT SECTORS" by Divya Nemuri. The slide features a central "Internet of Things" hub with various application sectors around it:

- HEALTH & LIFE STYLE:**
 - Wearable Devices
 - Health & Fitness Monitoring
- SMART CITIES:**
 - Smart Parking
 - Smart Waste
 - Emergency Response
- INDUSTRIES:**
 - Machine Learning
 - Robotics
 - Quality Monitoring
- LOGISTICS:**
 - Tracking
 - Supply Chain
 - Smart Navigation
 - Smart Warehouse
- HOME AUTOMATION:**
 - Smart Lighting
 - Smart Appliances
 - Smart Security Systems
- ENERGY:**
 - Smart Grids
 - Renewable energy systems
 - Programs
- ENVIRONMENT:**
 - Weather Monitoring
 - Smart Air Quality
 - Air Pollution
- AGRICULTURE:**
 - Smart Irrigation
 - Smart Harvest

Below the slide, there is a Zoom control bar with icons for Mute, Video, Chat, and a list of participants:

- Divya Nemuri
- 18R11A04E8 B T...
- 18R11A04M1 G...
- 18R11A04F1 CH...

On the right side of the screenshot, the Zoom meeting controls are visible, including a title "Webinar on Architecture of IoT an...", a participant count of 150, and a list of participants in the "IN CALL" section:

- Geethanjali Colle... (You)
- 18R11A04F5 BETHALA S...
- 18R11A04D1 AMADHAR...
- 18R11A0402 VALIVETI S...
- 18R11A0403 ASHIKA CH...
- 18R11A0404 BA3 REDD...

PRINCIPAL
 Geethanjali College of Engg. and Tech.
 Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501 301.

REC D Divya Nemuri is presenting

IOT TECHNOLOGY STACK

Webinar on Architecture of IoT an...

(143)

Add people

IN CALL

- G Geethanjali Colle... (You)
- B 17R11A0405 BETHALA S...
- A 18R11A0403 AMADHAP...
- A 18R11A0403 ASHIKA CH...
- B 18R11A0404 BASIREDD...
- B 18R11A0405 BHARATHA...

D G K G

SOFTWARE

SMARTBRIDGE

Feedback:

How much do you rate the Session out of 5?
61 responses



[Signature]
PRINCIPAL
 Geethanjali College of Engg. and Tech.
 Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501 301.

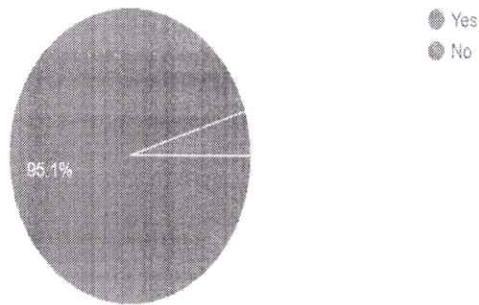
How much do you rate the Speaker out of 5?

61 responses



Did the webinar has reached your expectations?

61 responses



What was the best thing about the session?

61 responses

- Clear explanation
- To learn new things about webinar
- About the applications of IoT
- The speaker explained it very clearly and we got some basic knowledge about IoT
- The details given by ma'am on IoT applications
- Introduction
- Knowing more about what the IOT is
- Applications of IoT
- IoT applications.

G.SreeLakshmi

Associate Professor

Prof.K.S.Rao

Group Head and Dean
Student Affairs

Dr.S.Suryanarayana

Prof and HOD, ECE

PRINCIPAL
Geethanjali College of Engg. and Tech.
Cheeryal (V), Keesara (M), Medchal Dist.(T.S.)-501 301.



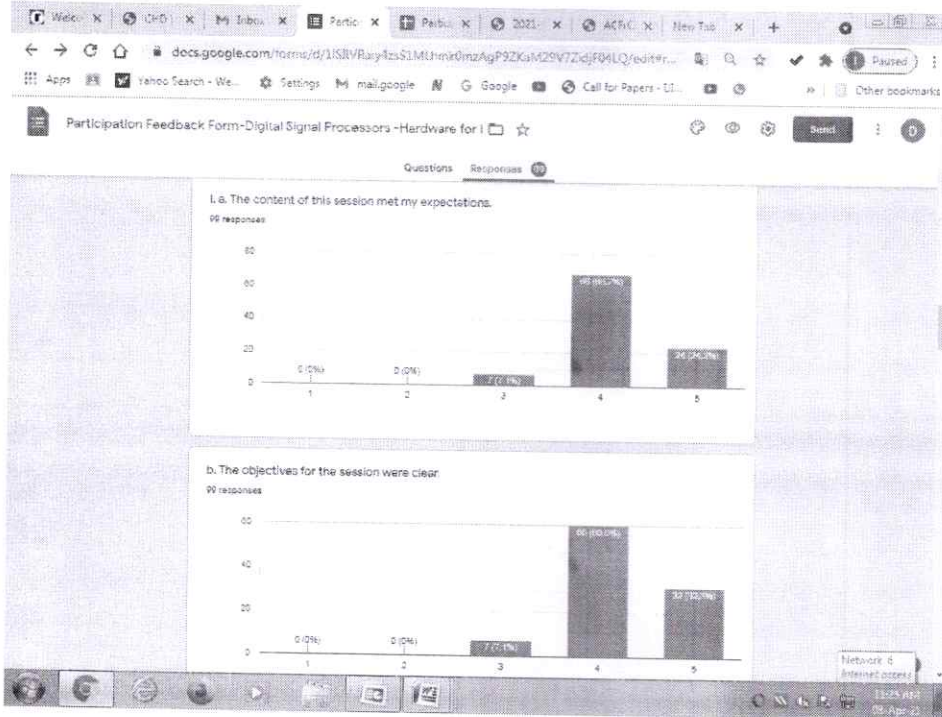
Geethanjali College of Engineering and Technology

(UGC Autonomous)

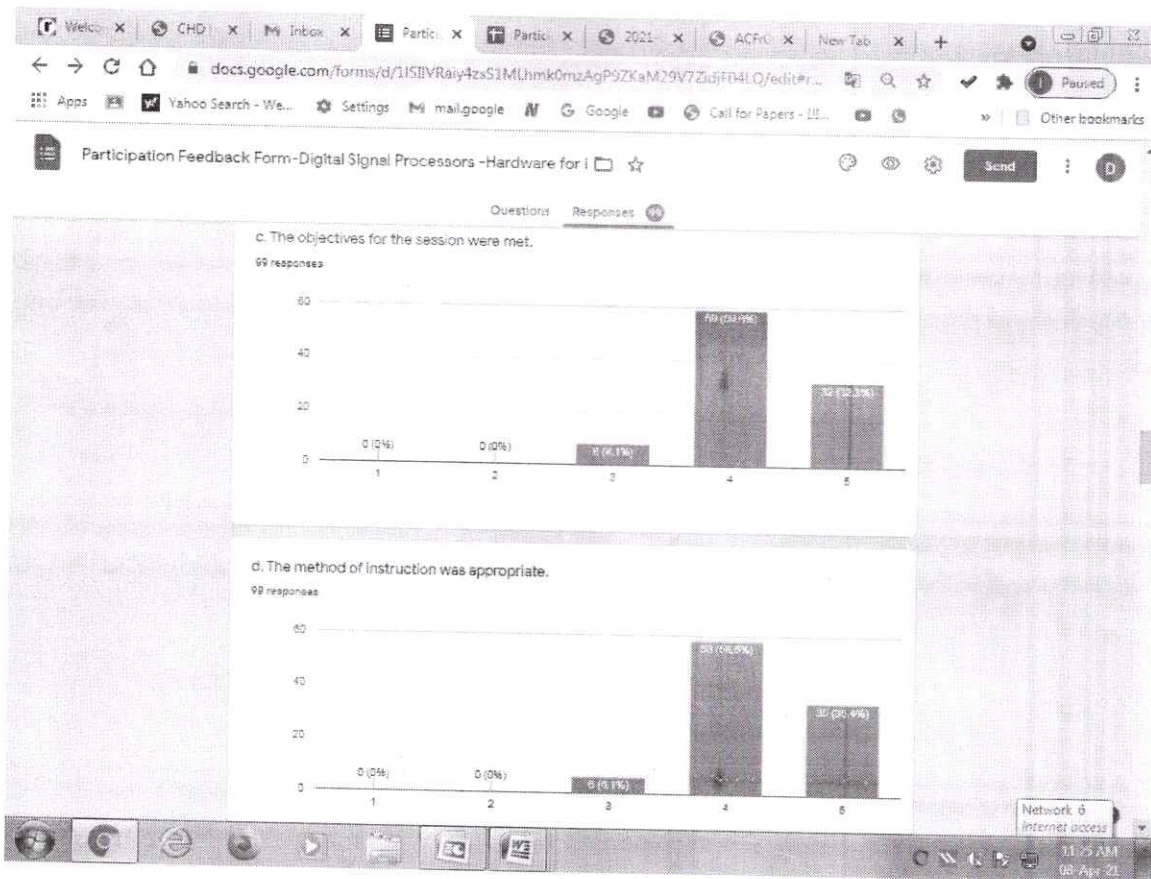
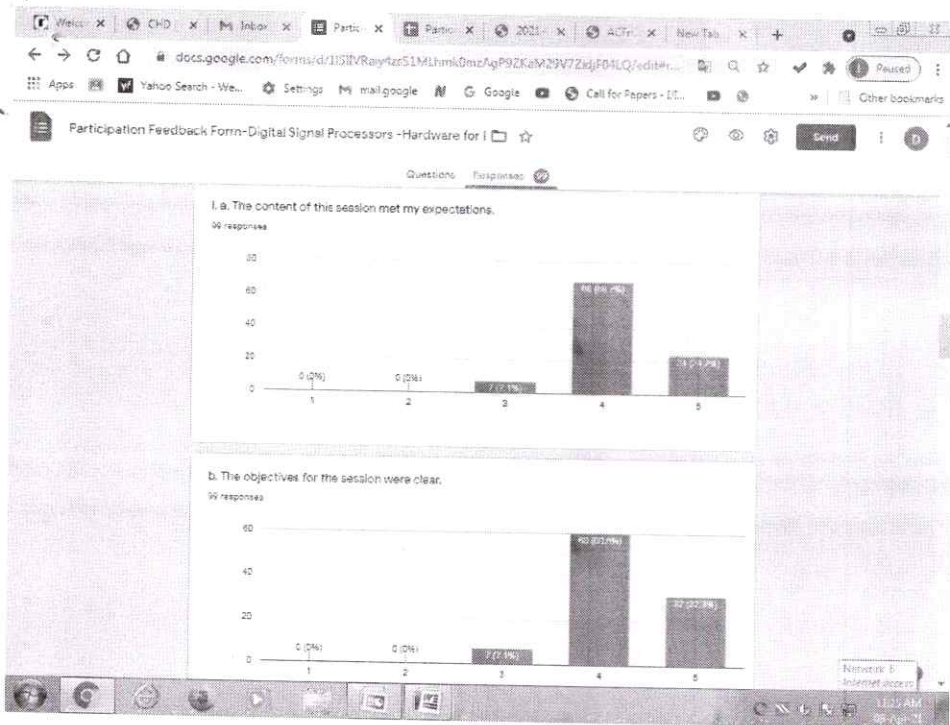
(Accredited by NAAC with 'A' Grade & NBA, Approved by AICTE and Permanently Affiliated to JNTUH)
Cheeryal(V), Keesara(M), Medchal Dist., Telangana State – 501 301.

Department of Electronics and Communication Engineering

Feedback for guest lecture on “Digital Signal Processors-Hardware for Implementation of DSP algorithms”

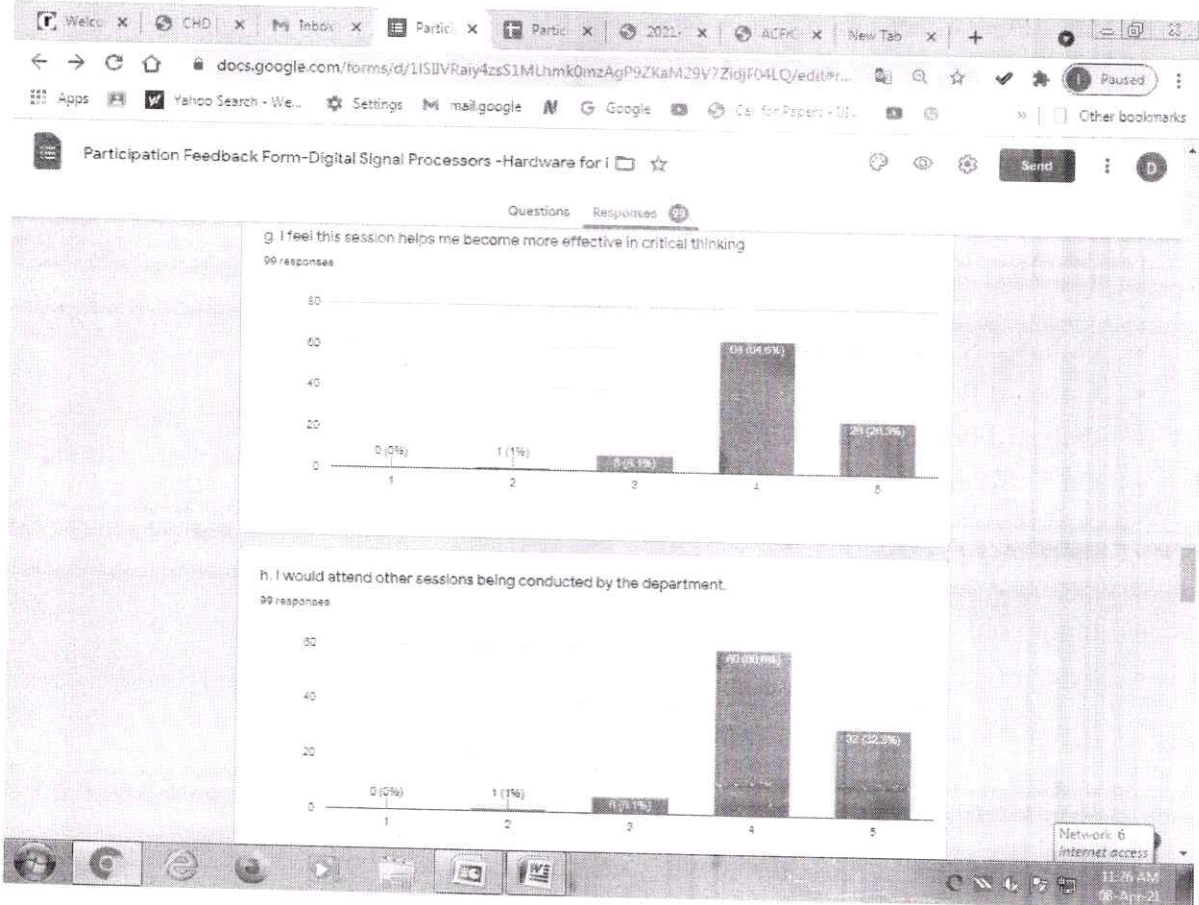
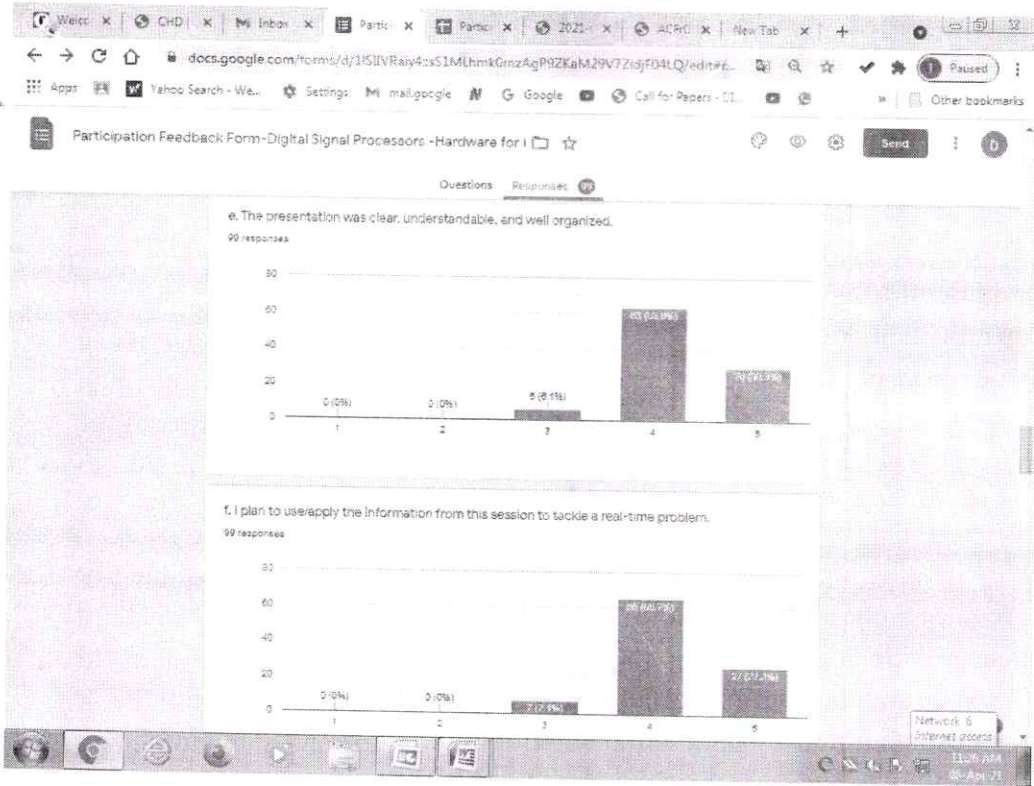



PRINCIPAL
Geethanjali College of Engg. and Tech.
Cheeryal (V), Keesara (M), Medchal Dist. (T.S.)-501 301.

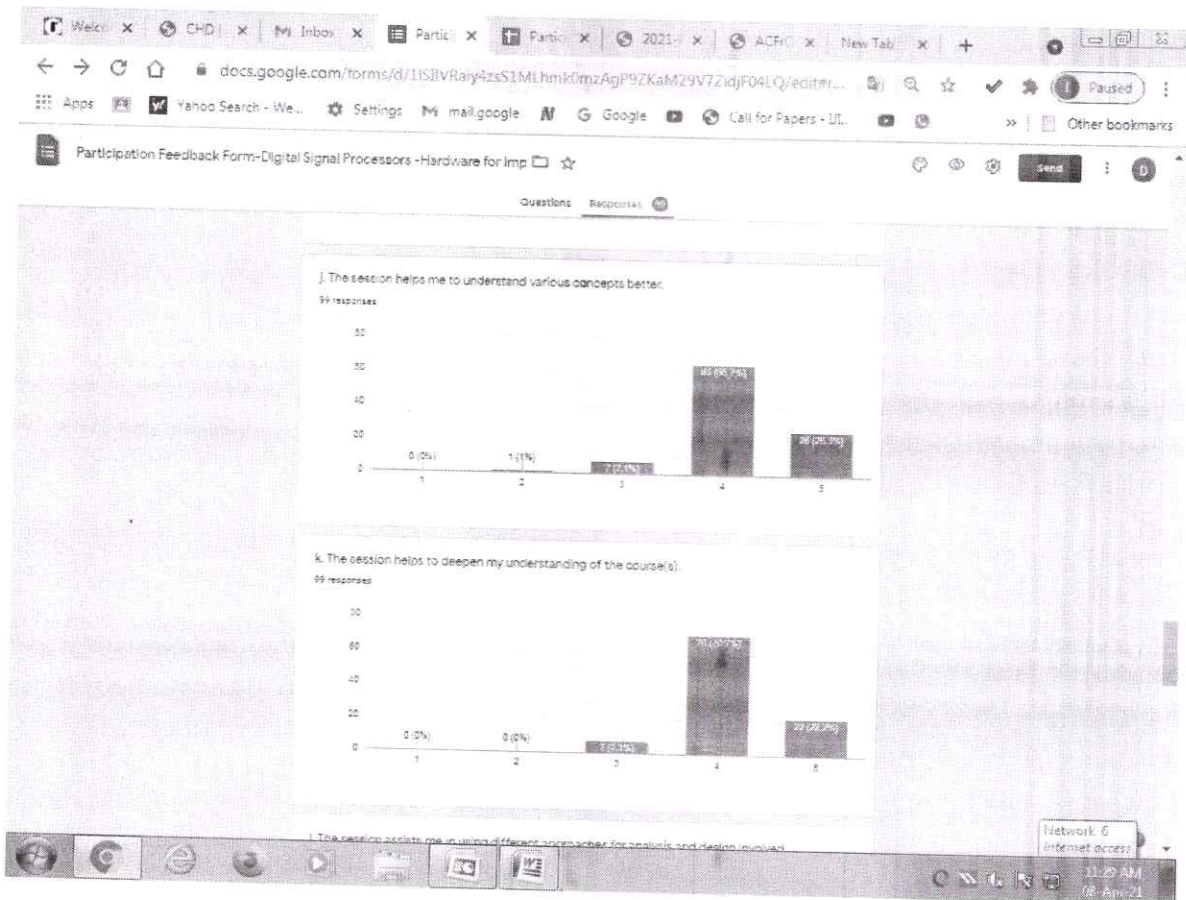
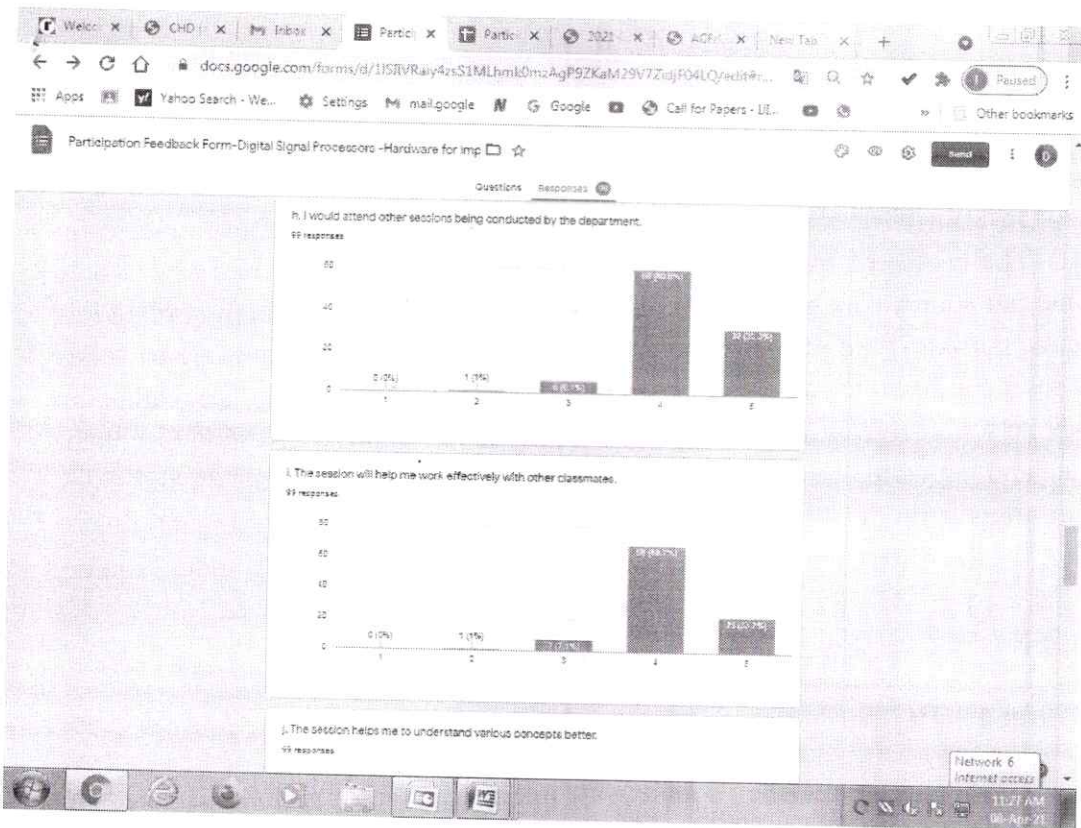


(Handwritten signature)

PRINCIPAL
 Goethanjali College of Engg. and Tech.
 Cheeryal (V), Kovvur (A.), Madhukal Dist.(SS) 501 001.



PRINCIPAL
 Geethanjali College of Engg. and Tech.
 Cheeryal (V), Keesara (M), Medak Dist., (T.S.) - 507 301.




PRINCIPAL
 Geethanjali College of Engg. and Tech.
 Chinnoyal (V), Kasaragod, Kerala - 696 001, INDIA.

Participation Feedback Form-Digital Signal Processors -Hardware for Imp

Questions Responses

l. The session assists me in using different approaches for analysis and design involved.

99 responses

Rating	Count	Percentage
1	0	0%
2	0	0%
3	5	5.1%
4	54	54.7%
5	39	39.3%

m. The session assists me to think creatively and innovatively that will enrich my professional career.

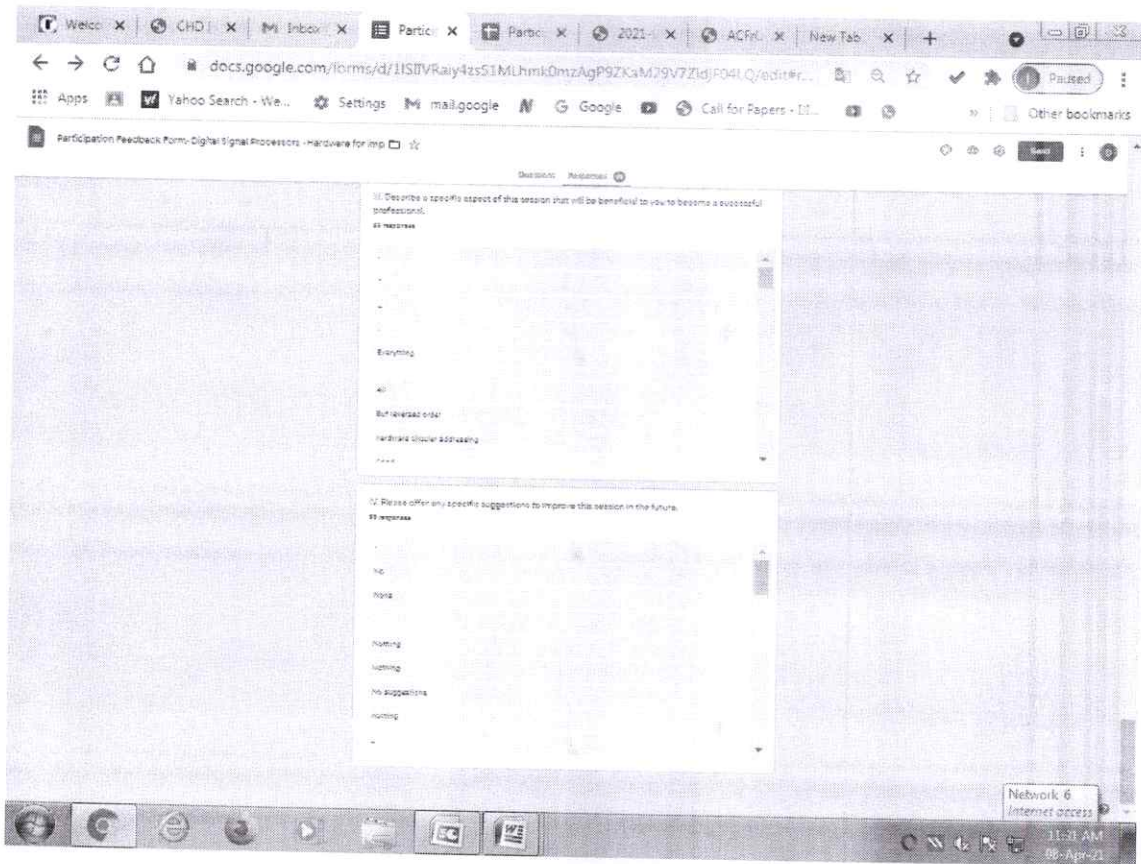
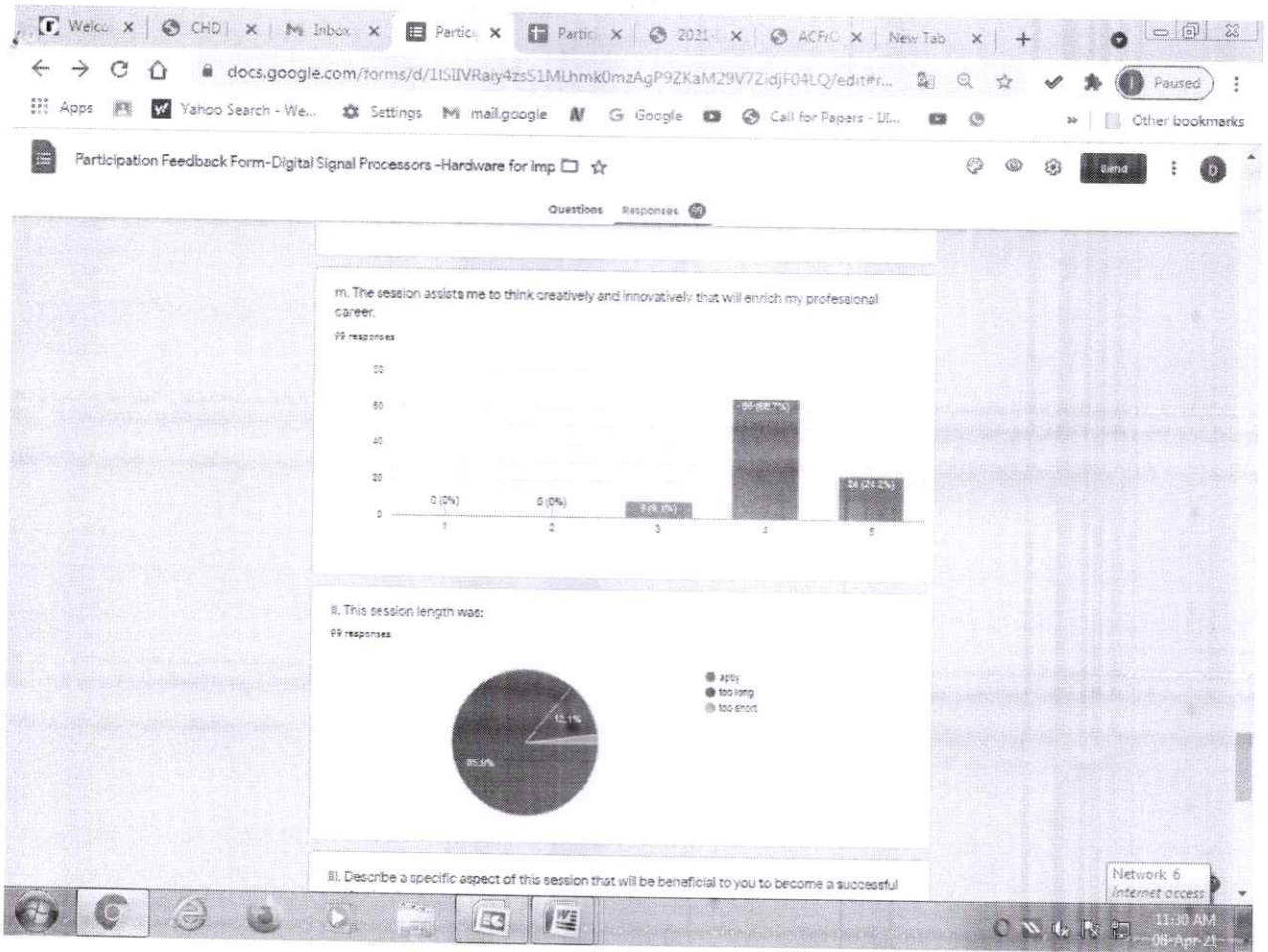
99 responses

Rating	Count	Percentage
1	0	0%
2	0	0%
3	5	5.1%
4	54	54.7%
5	39	39.3%

Network 6
Internet access

11:29 AM
08-Apr-21

PRINCIPAL
 Geethanjali College of Engg. and Tech.
 Chowryal (V), Keerasa (S), Madhukhola (PS)-531 361.



PRINCIPAL *[Signature]*
 Geethanjali College of Engg. and Tech.
 Cheeraj (V), Keesara (M), Medchal Dist. (T.S.)-501 301.