

**DATE: 18/4/2021**

**Event Coordinator(s)**

**1. Prof. Smita Pawar**

**Time & Place:**

**16<sup>th</sup> April 2021**

**9.30am to 10.45 am**

**Google Meet**

**Department:**

**Electronics and  
Telecommunication**

**No. of participant:**

**52 Students of BE  
EXTC (AY 2020-21)**

**OBJECTIVE:**

Prof. Smita Pawar from Electronics and Telecommunication department had organized a webinar on “**IoT and Future of IoE: Applications and Recent Research Area**” for BE EXTC students under the subject Wireless Network

**The objective was to**

- 1) Understand concepts of IoT and IoE
- 2) Discussion on Latest Trends of IoE, Market Scenario, The Future of IoE, The Future in IoE, Drawbacks and Shortcomings

**SCOPE:**

- What is IoE
- Difference between IoE & IoT
- IoE's working mechanism
- Technologies Used
- Current uses
- Latest Trends of IoE
- Growth ( past 12 months )
- Job Openings
- Improvements made by IoE
- Market Scenario
- The Future of IoE
- The Future in IoE
- Drawbacks and Shortcomings

**RESOURCE PERSON:**

Dr. Fr. John Rose SJ, Director, Xavier Institute of Engineering, Mahim.

**OUTCOME:**


It was a very informative session, where demonstration videos of simple circuits for IoT were shown. Students were enlightened on the applications and future of IoE. **IoE** is a concept that extends the Internet of Things (IoT) emphasis on machine-to-machine (M2M) communications to describe a more complex system that also encompasses people and processes.

Ms.Ruchi Tamore gave an Introduction of the resource person. Mr. Om Prabhudesai rendered a vote of thanks. Mr. Venkatesh Prabhu and Ms.Sanjana shared their take away from the webinar.

EVENT POSTER:

Department of Electronics & Telecommunication organizes

**WEBINAR ON : IoT**



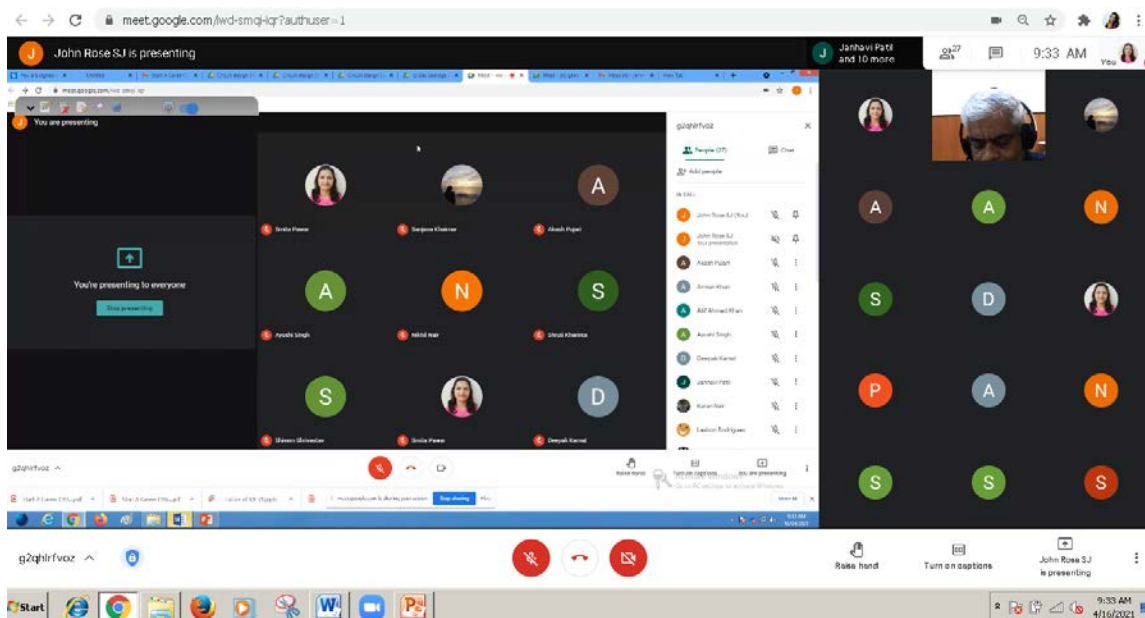
**Fr. Dr. John Rose SJ.**  
Director,  
Xavier Institute of  
Engineering,  
Mahim.

Friday, 16th April 2021  
on Google meet @9.30am  
For BE EXTC

Prof. Smita Pawar  
Subject In-Charge

XAVIER INSTITUTE OF ENGINEERING  
A SISTER INSTITUTION OF ST. XAVIER'S COLLEGE

EVENT SCREENSHOT:



The screenshot shows a Google Meet interface. At the top, the URL is [meet.google.com/jwd-smq-hqr?authuser=1](https://meet.google.com/jwd-smq-hqr?authuser=1). The main window displays a presentation slide with the text "You are presenting" and "You're presenting to everyone". A list of participants is visible on the right, including John Rose SJ (host), John Rose SJ (presenting), Anshu Pawar, Anshu Singh, and others. The bottom of the screen shows the Windows taskbar with the Start button and various application icons. The system tray at the bottom right indicates the time is 9:33 AM on 4/16/2021.

meet.google.com/wwd-smq-ijqr?authuser=1

REC John Rose SJ is presenting

Mukesh Kurmi and 25 more

9:42 AM

# A 360° view on IOE

Dr. Fr. John Rose  
16th April 2021

g2qhirfvov

Start

9:42 AM 4/16/2021

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REC John Rose SJ is presenting

Venkatesh Prabu Ma... and 30 more

9:47 AM

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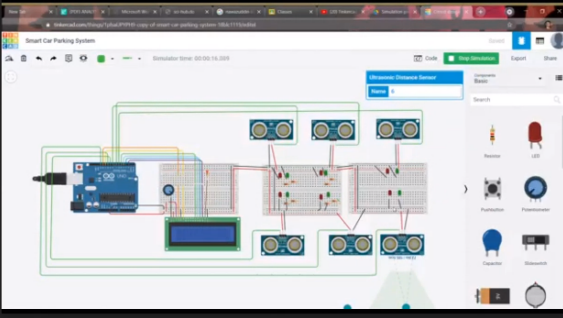
9:47 AM 4/16/2021

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REC John Rose SJ is presenting

Venkatesh Prabu Ma... and 30 more

9:50 AM You



Circuit design Smart Car Parking Syst... Google Chrome 2021-04-14 12:40-38.mp4

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John Rose SJ is presenting

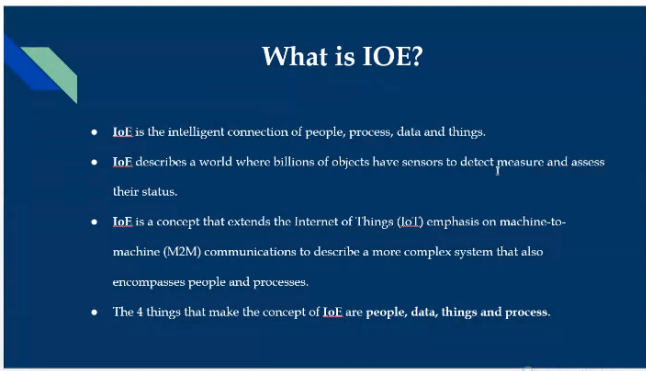
9:50 AM 4/16/2021

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REC John Rose SJ is presenting

Swagati Desai and 31 more

9:55 AM You



What is IOE?

- IOE is the intelligent connection of people, process, data and things.
- IOE describes a world where billions of objects have sensors to detect measure and assess their status.
- IOE is a concept that extends the Internet of Things (IoT) emphasis on machine-to-machine (M2M) communications to describe a more complex system that also encompasses people and processes.
- The 4 things that make the concept of IOE are people, data, things and process.

g2qhrfvov

John Rose SJ is presenting

9:55 AM 4/16/2021

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REC John Rose SJ is presenting 9:59 AM

### Difference Between IOE and IOT

- IoE is the intelligent connection between 4 key elements i.e people, process, data, and things. It is considered as superset of Internet of Things (IOT). IoE covers the wider concept of connectivity where network intelligence works as the foundation of Internet of Things. Internet of Everything acts as an extension of Internet of Things.
- IoE is considered as a superset of IoT
- IoT is a network of interconnected physical devices/objects which collects and exchange data over wireless networks. Internet of Things has two main parts i.e 'Internet' which is the backbone of connectivity and 'Things' meaning to object/physical devices. It brings the power of the internet, data processing and analytics and decision making to the real world of physical objects.
- IoT is considered as a subset of IoE

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9:59 AM 4/16/2021

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REC John Rose SJ is presenting 10:01 AM

### Working Mechanism of IoE

- IoE enabled devices to have inbuilt sensors that are connected to the interrelated platform.
- Integrate the data from multiple devices and apply the analytics to transmit valuable information through the application developed to address specific requirements.
- IoE platform can precisely pinpoint the useful information and highlight what can be ignored without causing risks.
- The outcomes can also be used to detect the information pattern, make the recommendations, or to detect possible errors prior to their occurrence.

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10:01 AM 4/16/2021

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REC John Rose SJ is presenting 10:05 AM

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John Rose SJ is presenting

10:05 AM 4/16/2021

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REC John Rose SJ is presenting Shivam Shrivastava and 34 more 10:09 AM

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John Rose SJ is presenting

10:09 AM 4/16/2021

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REC John Rose SJ is presenting

10:12 AM

Yash Datta and 35 more

John Rose SJ

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10:12 AM 4/16/2021

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REC John Rose SJ is presenting

10:16 AM

Yash Datta and 35 more

John Rose SJ

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10:16 AM 4/16/2021

**The Market Scenario**

**Market Overview:**

- The demand within the global market for internet of everything (IoT) has been rising on account of advancements in the field of automation technology, artificial intelligence, and internet of things (IoT).
- The presence of a seamless sector for automation technologies is expected to bring in key revenues in the global market for internet of everything (IoT).

**Market Trends and Opportunities:**

- The global market for internet of everything (IoT) is expected to expand as new technologies pervade across the world.
- The relevance of digital sensors across a plethora of industries is expected to reek of growth within the global internet of everything (IoT) market.

**Market Potentials:**

- The growth of the global internet of everything (IoT) market is largely reliant on advancements in the telecommunication industry.
- The growth of vital technologies such as big data and machine learning is amongst other factors that have aided market growth in recent times.

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REC John Rose SJ is presenting

Sanjana Khairnar and 32 more

10:27 AM You

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People (49)

Add people

is on:

- John Rose SJ (You)
- John Rose SJ (You presenting)
- Anish Dubey
- Anish Pajari
- Anish Khan
- Ali Ahmad Khan
- Bhawan Muray
- Chomney Kapatte
- Deepak Kamal
- Dewang Kim

You're presenting to everyone

Stop presenting

Ninad Tawde has left the meeting

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Start

10:27 AM 4/16/2021

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REC

10:27 AM You

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48

Enter any notes specific to this class

- Adarsh
- John Rose SJ
- Mohammad Hassan
- Waqar Ansari
- Saharsh Singh
- Arjun
- Chirag
- Mandar Bavdane
- Tarvi Bhabai
- Pratik Bhadane
- Ronny Baskar
- Nishant Bhattacharya
- Amheesingh Bratti
- 100rab Bhoite
- Saurabh Bhoite
- Prachin Showmick
- Pratik Baskar
- Sahar Bikkawar
- Conrad Caldera
- Callig
- Shane Cardozo
- Nishant Bhoite
- Pratik Bhoite
- Mahendra Chaurasia

K B N S D S J S A

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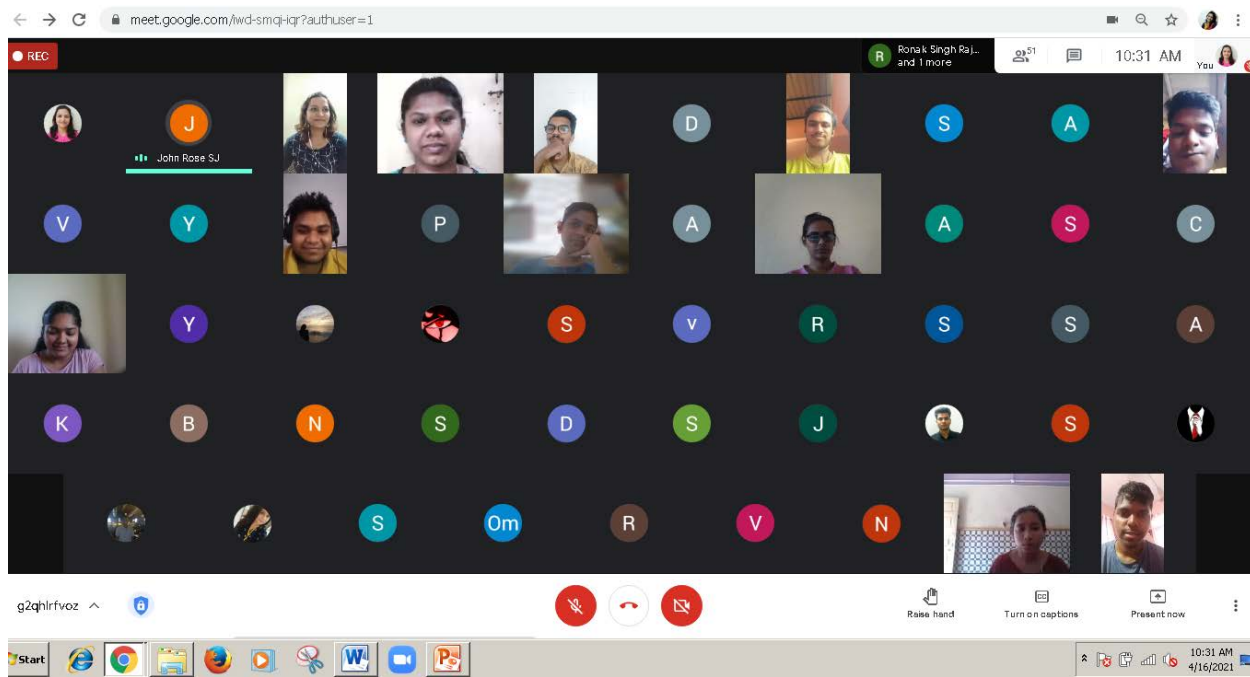
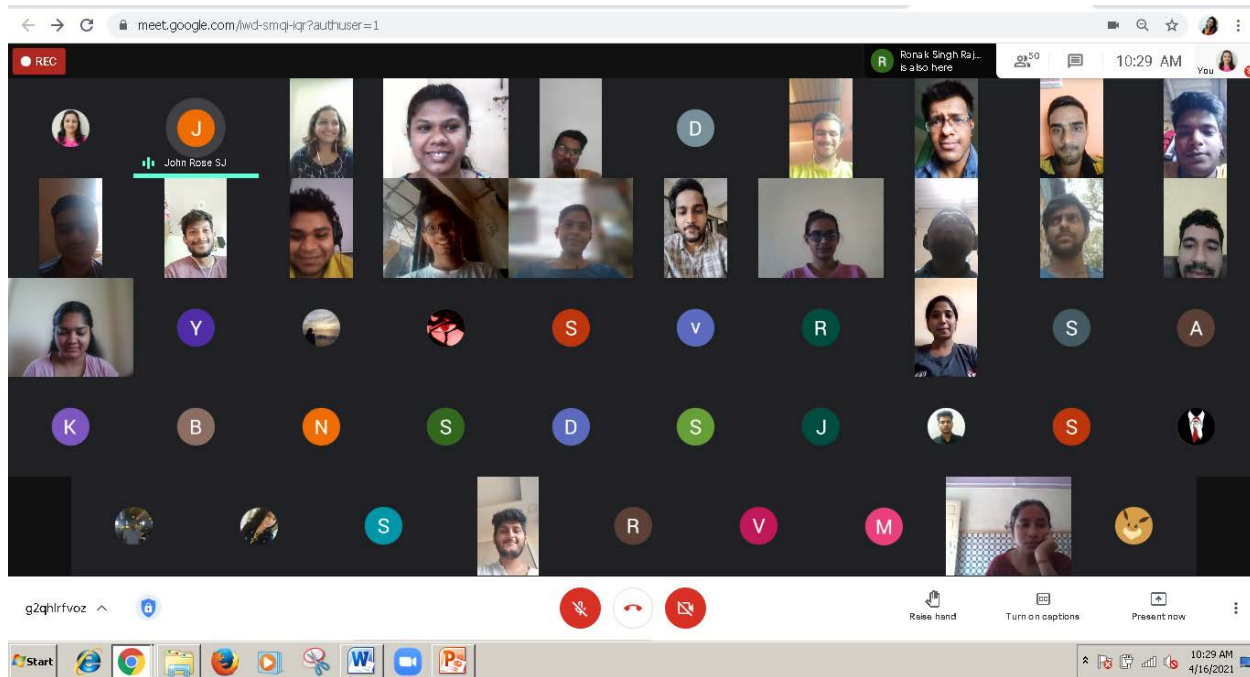
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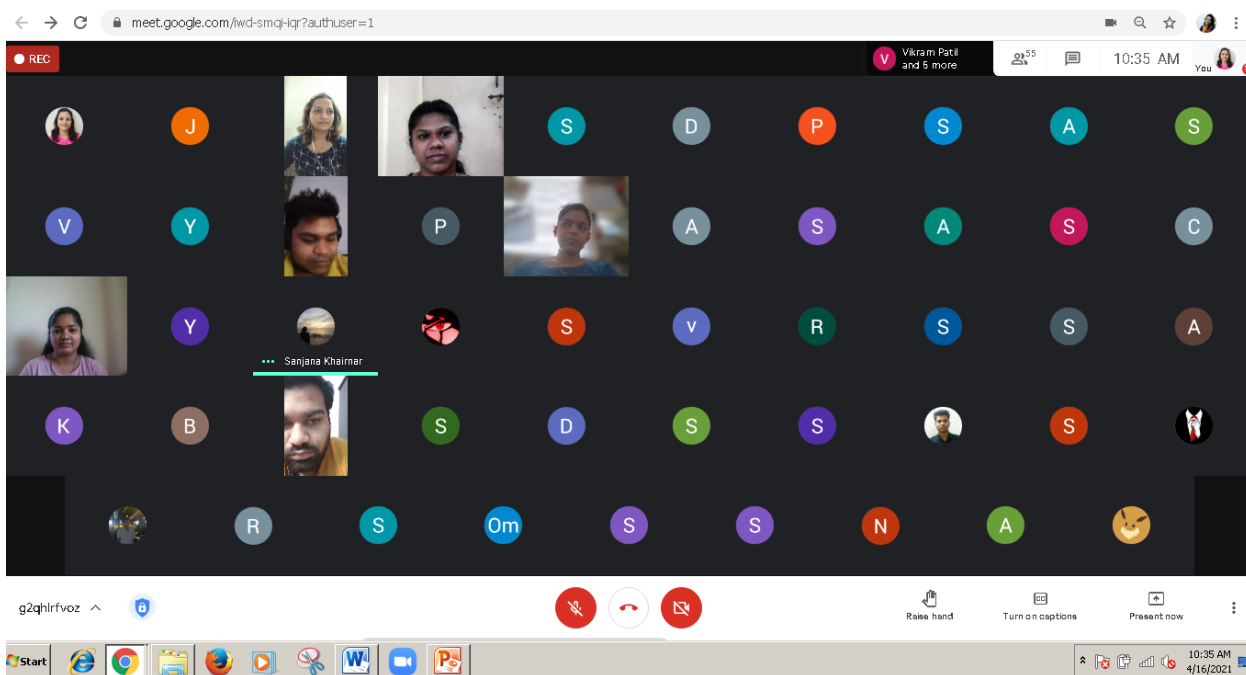
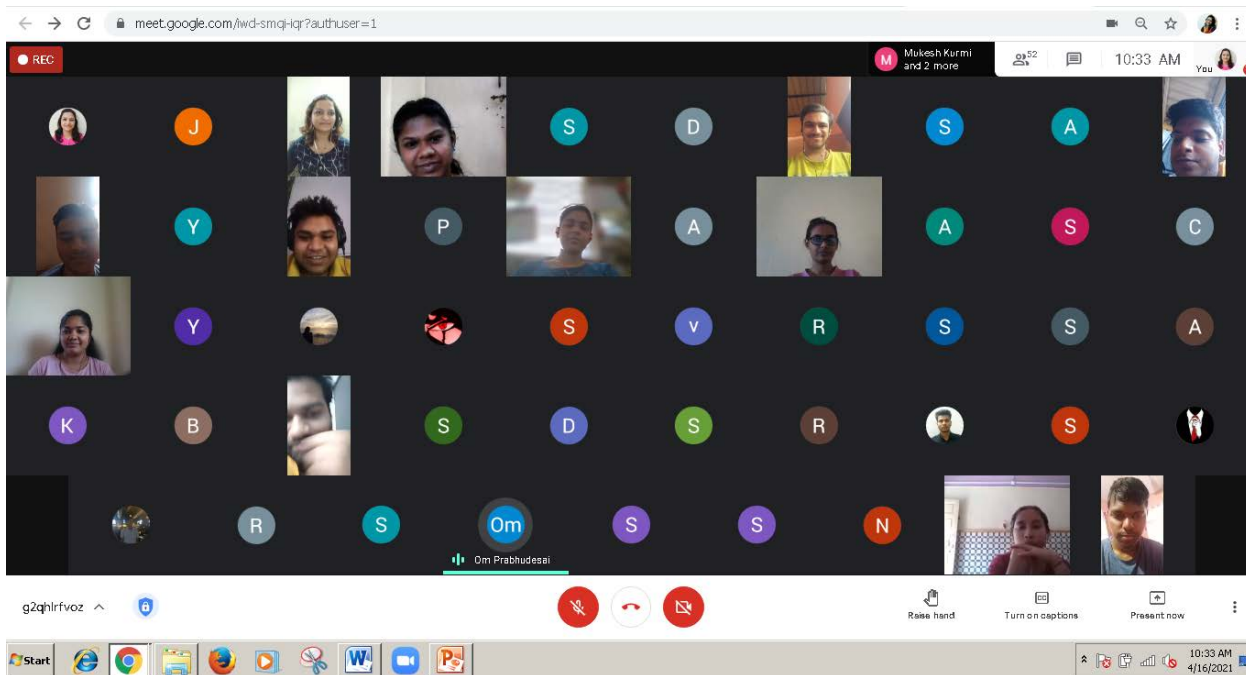
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# PARTICIPATION SCREENSHOT:





**FEEDBACK:**

Venkatesh Prabhu: Great session to broaden the horizons of scope of extc.

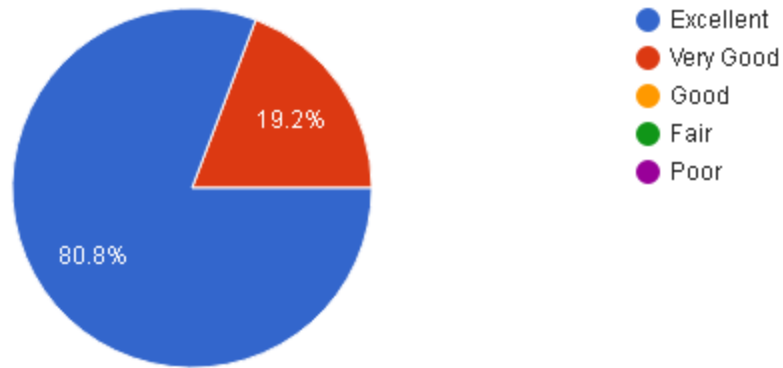
Ruchi: Excellent session

Aaksh D: It was good.

Shubham: Great session

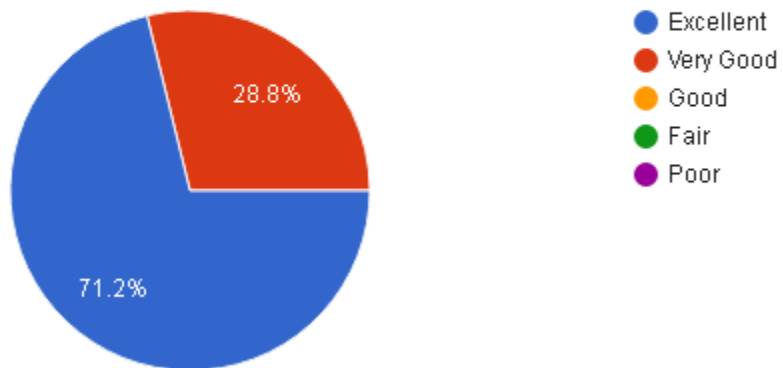
How was the overall organization of the session?

52 responses



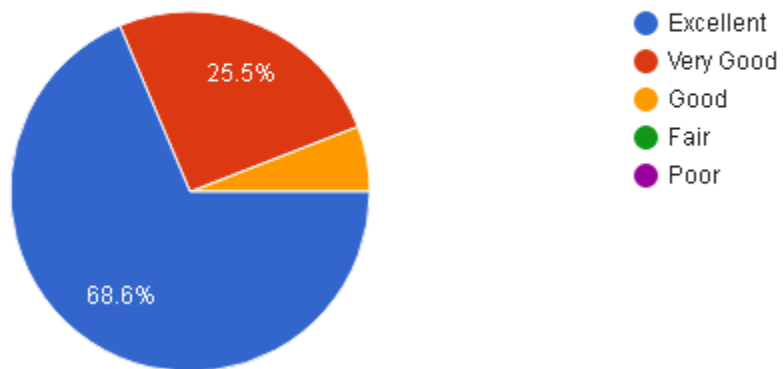
How relevant was the content discussed by the speaker?

52 responses



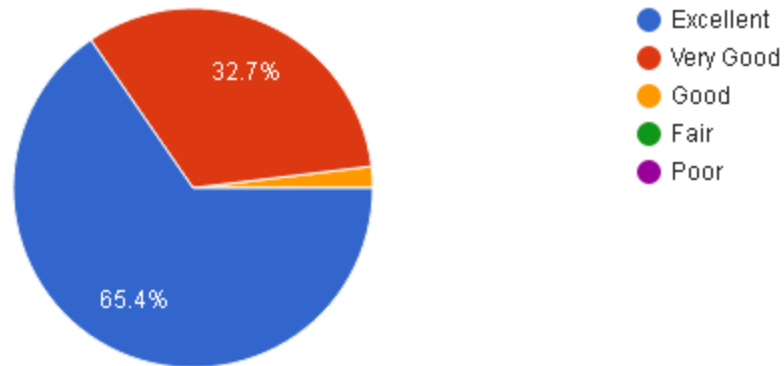
Are you satisfied with the time and venue/platform?

51 responses



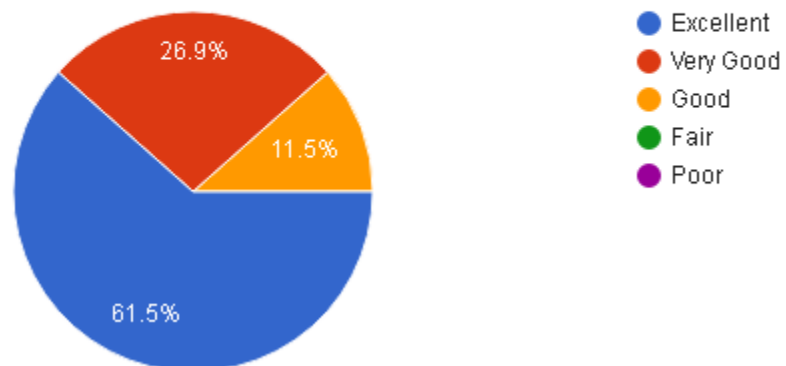
How much interesting this session was for you?

52 responses



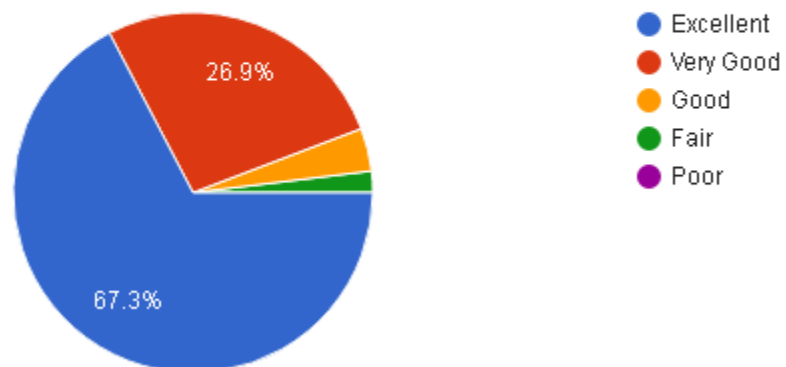
How was your preparation about the topic before the guest lecture?

52 responses



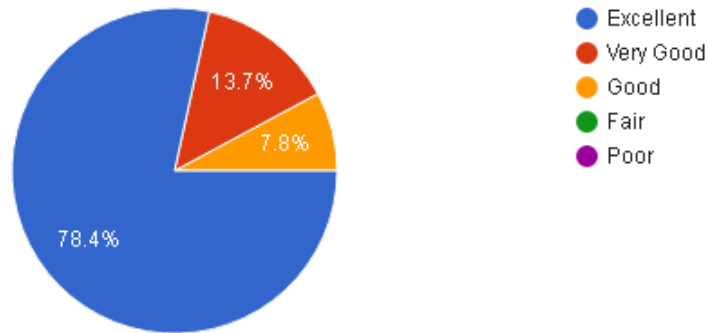
Did the lecture cover what you were expecting?

52 responses



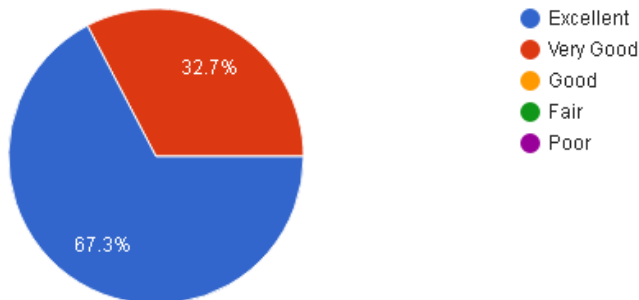
What is your opinion about the speaker?

51 responses



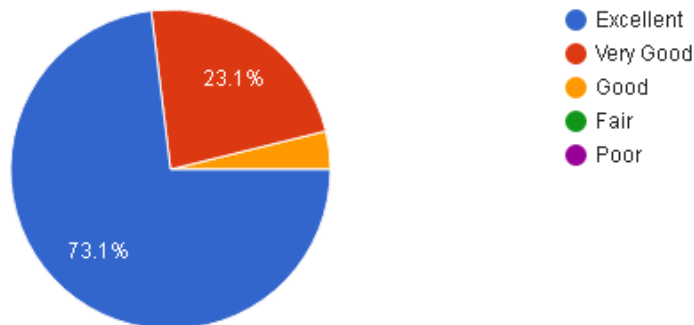
How much this session was useful from the knowledge and information point of view

52 responses



Overall effectiveness of the session

52 responses



Prof. Smita Pawar  
Subject In charge

Dr. Vidya Sarode  
HoD, EXTC