

DATE: 10/12/2020

**Event Coordinator(s)**

1. Prof. Smita Pawar

**Time & Place:**

10<sup>th</sup> December 2020

10:00 a.m to 12:00 p.m

Google Meet

**Department:**

Electronics and  
Telecommunication

**No. of participant:**

32 Students

BE EXTC

**OBJECTIVE:**

Electronics and Telecommunication department had organized a seminar for Final year students on "What is the future of Telecom?" under the subject Mobile communication System by Prof. Smita Pawar. The objective was to have a discussion on the emerging technologies for upcoming mobile communication systems for 4G standards and beyond.

**SCOPE:**

This seminar for final year EXTC students was arranged to make the students aware about the recent trends in mobile communication system.

The forum was open for discussion to address the course outcomes:

The students will be able to-

Develop the emerging technologies for upcoming mobile communication systems.

Synthesize the concepts of emerging technologies for 4G standards and beyond.

**RESOURCE PERSONS:**

Mr. Rajesh Palande, Telecom Professional, Director, Huawei Technologies.

**OUTCOME:**

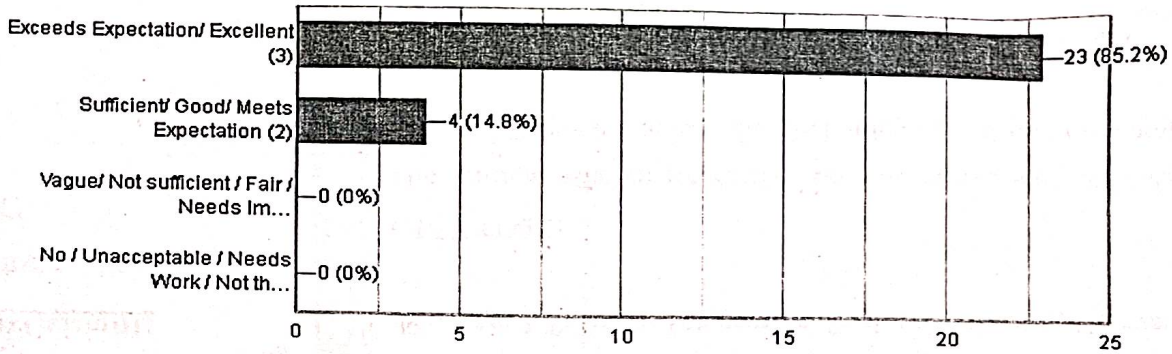
The seminar was an interactive session, where students asked their doubts, queries, questions about the technologies of mobile communication and career scope.

Students understood practical aspects, requirements of certified certifications, different work profiles, What Industry look for when they hire, Need of database, Big data, AI, Networking and many more inputs from the professional himself.

## FEEDBACK:

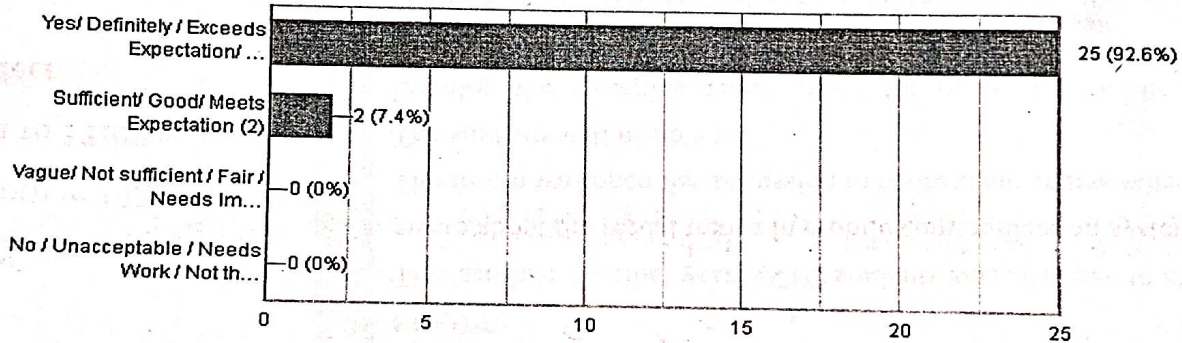
How satisfied were you with the session content?

27 responses



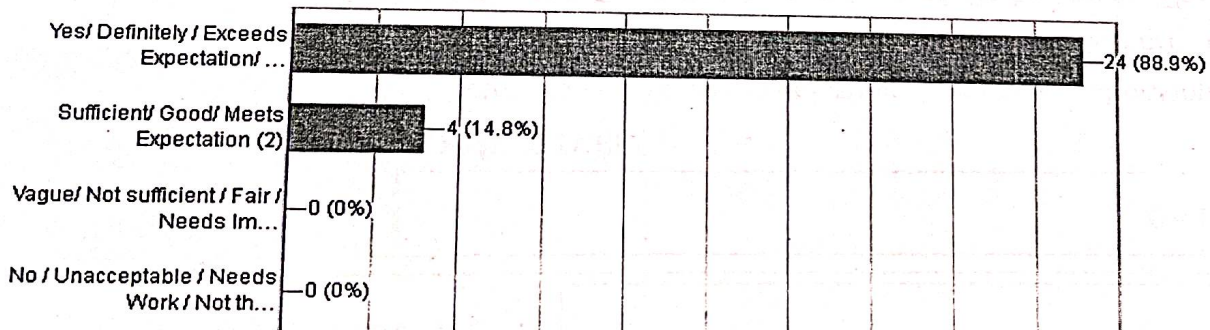
How relevant and helpful do you think it was for your subject Mobile communication and system?

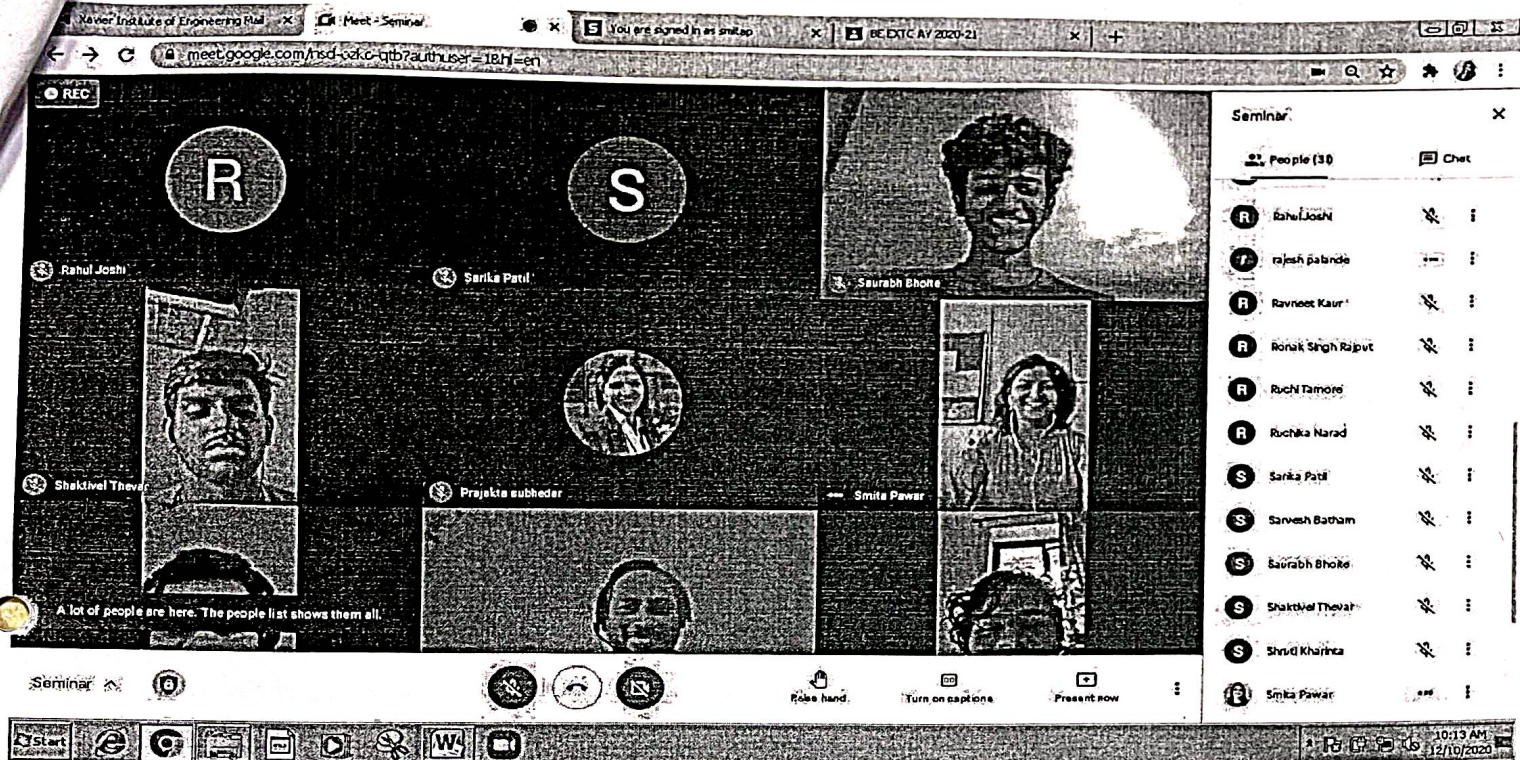
27 responses



Were questions answered satisfactorily?

27 responses





### World's largest telecom companies by total revenue [2021]

The world's largest telecommunications companies measured by total revenues.

Rank	Company	Total revenue (US\$ billion)	Country
1	AT&T	\$170.8 <sup>[21]</sup>	United States
2	Verizon Communications	\$131.8 <sup>[22]</sup>	United States
3	Nippon Telegraph and Telephone	\$107.1 <sup>[23]</sup>	Japan
4	Comcast	\$95.5 <sup>[24]</sup>	United States
5	Softbank	\$86.7 <sup>[25]</sup>	Japan
6	Deutsche Telekom	\$86.5 <sup>[26]</sup>	Germany
7	Telefonica	\$57.4 <sup>[27]</sup>	Spain
8	China Telecom	\$57.0 <sup>[28]</sup>	China
9	América Móvil	\$52.7 <sup>[29]</sup>	Mexico
10	Vodafone	\$50.5 <sup>[30]</sup>	United Kingdom
11	Orange	\$48.9 <sup>[31]</sup>	France
12	China Unicom	\$44.0 <sup>[32]</sup>	China
13	Charter Communications	\$43.6 <sup>[33]</sup>	United States
14	Telstra	\$41.2 <sup>[34]</sup>	Australia
15	KDDI	\$34.8 <sup>[35]</sup>	Japan
16	BT Group	\$30.3 <sup>[36]</sup>	United Kingdom
17	Lumen	\$27.4 <sup>[37]</sup>	United States
18	Telecom Italia	\$22.8 <sup>[38]</sup>	Italy
19	KT Corporation	\$21.3 <sup>[39]</sup>	South Korea
20	BCE	\$18.1 <sup>[21]</sup>	Canada
21	China Communications Services	\$16.0 <sup>[22]</sup>	China
22	Vivendi	\$15.9 <sup>[23]</sup>	France
23	SK Telecom	\$15.4 <sup>[24]</sup>	South Korea
24	Saudi Telecom	\$13.9 <sup>[25]</sup>	Saudi Arabia
25	Telenor	\$13.6 <sup>[26]</sup>	Norway
26	Etisalat	\$12.3 <sup>[27]</sup>	United Arab Emirates
27	LG Uplus	\$12.1 <sup>[28]</sup>	South Korea
28	Bharti Airtel	\$12.0 <sup>[29]</sup>	India
29	Swisscom	\$11.9 <sup>[30]</sup>	Switzerland
30	Rogers Communications	\$11.6 <sup>[31]</sup>	Canada
31	Cox Communications	\$11.0 <sup>[32]</sup>	United States
32	Telus	\$10.9 <sup>[33]</sup>	Canada
33	MTN Group	\$10.2 <sup>[34]</sup>	South Africa
34	Telia Company	\$9.6 <sup>[35]</sup>	Sweden
35	Telkom Indonesia	\$9.1 <sup>[36]</sup>	Indonesia
36	VimpelCom	\$9.1 <sup>[37]</sup>	Netherlands
37	Frontier Communications	\$8.6 <sup>[38]</sup>	United States
38	Ooredoo	\$8.2 <sup>[39]</sup>	Qatar

Any additional comments regarding the session?

18 responses

None

Quite a good session and really helpful

This was one of the best session arranged by extc thankyou so much for this

Great Session

Very Informative session

Nothing

Will definitely keep these points in my mind while choosing career path. Thank you for the session!

An eye-opener. Looking forward for more such informative sessions.

The image shows a Zoom meeting interface. The main window displays a grid of 16 participants, each with a video thumbnail and a name tag. The names are: Rajesh Palande, Alex K.R., Keval Meher, Smita Pawar, Vedant Jagtap, Parth Shah, Preetam Lobo, Venkatesh Prabu Megesh, Saurabi Chitre, Meet Kovadiya, Sarvesh Batham, Rajat Singh Rajput, Shaktivel Thevar, Adif Ahmed Khan, Sarika Patil, and Yash Delate. The right sidebar shows the meeting title 'Seminar', the number of people (30), and a list of participants with icons for mute, video, and chat. The bottom of the screen shows the Zoom control bar with icons for mute, video, chat, and other functions. The system tray at the bottom right shows the time as 11:44 AM on 12/10/2020.

What were your key take away from this event?

27 responses

I came to know that there are more domains in Telecommunication than what I thought before this seminar.

NETWORKING PART

We got to know a lot about Telecom industries, the recent technologies, etc.

Telecom sector opportunities and scopes

Different industries that I can opt for. It was really great.

More fields that we can focus coming under etc.

Very informative about the telecom.

It was informative.

future scope in telecommunication

How to be prepared for interview, about telecom industry, what are the prerequisites etc.

Overall knowledge about Telecom sector, How to select particular stream, And How to crack there interview.

All about Telecom.

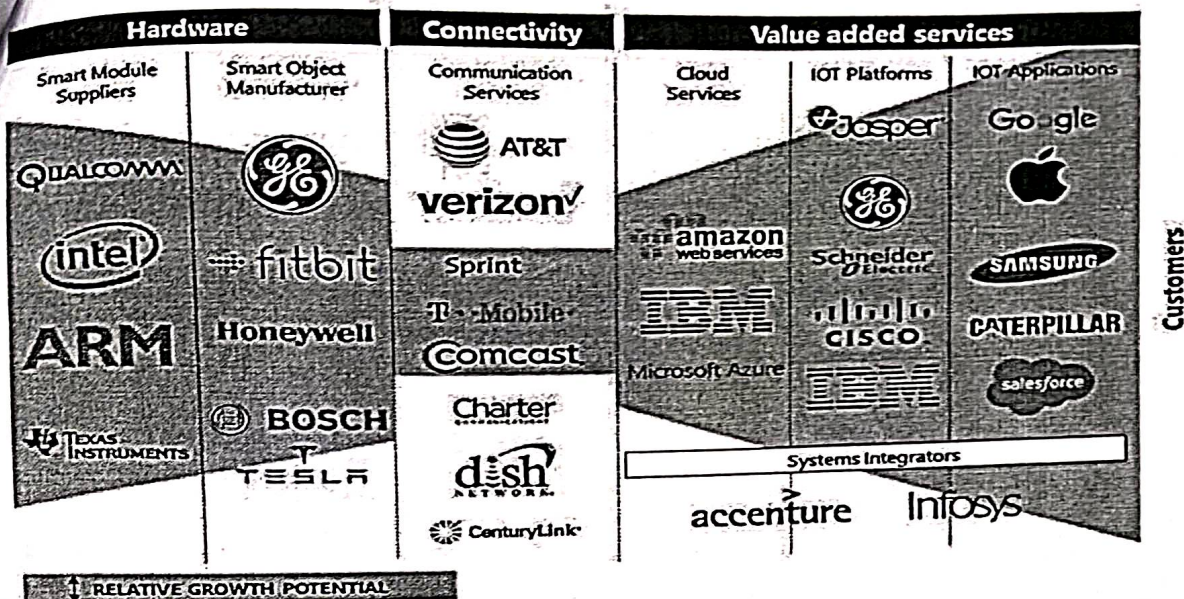
Knowledge about the actual market in telecom.

Came to know about a lot of companies of telecom also about the certifications.

A lot of knowledge about telecom.

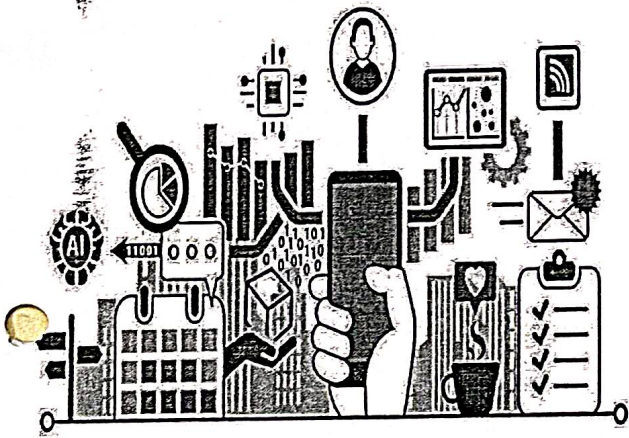
Broader scope of Telecommunication Fields.

Domains in telecom.



Source: Intel, telefonika, cisco, IBM, TR Research Ltd

# BIG DATA



- **Algorithm** — mathematical formula run by software to analyze data
- **Amazon Web Services (AWS)** — collection of cloud computing services that help businesses carry out large-scale computing operations without needing the storage or processing power in-house
- **Cloud (computing)** — running software on remote servers rather than locally
- **Data Scientist** — an expert in extracting insights and analysis from data
- **Hadoop** — collection of programs that allow for the storage, retrieval and analysis of very large data sets
- **Internet of Things (IoT)** — refers to objects (like sensors) that collect, analyze and transmit their own data (often without human input)
- **Predictive Analytics** — using analytics to predict trends or future events
- **Structured v Unstructured data** — structured data is anything that can be organized in a table so that it relates to other data in the same table. Unstructured data is everything that can't.
- **Web scraping** — the process of automating the collection and structuring of data from web sites (usually through writing code)

*Smita*

Prof. Smita Pawar

Subject In charge

*Vidya Sarode*

Dr. Vidya Sarode

HoD, EXTC