

Amrutvahini Sheti & Shikshan Vikas Sanstha's

Amrutvahini College of Engineering

Sangamner, P.O.: Sangamner S.K. - 422 608, Dist : Ahmednagar (M.S.) India.

Web: www.avcoe.org E-mail: principal@avcoe.org Phone No. : (02425) 259096 Fax : (02425) 259016

Date: 18/10/2021

Ref: AE/ETC/7184/2021-22

To,

Sreeja Nair

Staff Product Manager,

Qualcomm, San Jose, California, United States

Subject: Invitation to deliver an Expert Talk on “Demystifying Wi-Fi Mesh Networks” on 21st October 2021 for B.E. in Electronics and Telecommunication Engineering students.

Respected mam,

Warm greetings from Amrutvahini College of Engineering, Sangamner.

We are one of the well-known institutes affiliated to Savitribai Phule Pune University, Pune. The institute regularly organizes Workshops/STTP's/Guest Lectures/Seminars, etc. throughout the academic year.

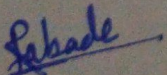
We wish to invite you for online Guest Lecture on “Demystifying Wi-Fi Mesh Networks” for E&TC students of our college on 21st October 2021 to share your valuable knowledge and experience in this domain.

We are very much sure that this session will definitely help students in developing their future career. We shall be much obliged to you, if you kindly accept the proposal.

We hope that you will accept our invitation. We are looking forward to hearing from you.

Thanking you,

Regards,



Dr. R. P. Labade

(Head, E&TC Engineering)

Dept. Of Electronics & Telecom. Engg.
Amrutvahini College Of Engineering,
Sangamner, Dist.-Ahmednagar (MS)

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Ref/AE/ETC/~~788~~/2021-22

Date: 21/10/2021

To,

Sreeja Nair

Staff Product Manager,

Qualcomm, San Jose, California, United states.

Subject: Expression of Gratitude.

Dear Mam,

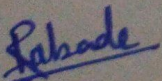
We sincerely wish to thank you for readily accepting our invitation and conducting an online Expert talk on “**Demystifying Wi-Fi Mesh Networks**” for E&TC students of Amrutvahini College of Engineering, Sangamner (Maharashtra, India) on 21st October 2021.

Your session was well received by students and they were highly benefited with your experience and knowledge-based inputs. Your valuable exposure about the skill-set required for carrier in IoT and Wireless will definitely help the students to achieve their highest watermark in the domain.

We thank you once again and look forward the same favorable support in future.

Thanking you,

Regards.



Dr. Ms. R. P. Labade

(HOD, E&TC)

Dept. Of Electronics & Telecom. Engg
Amrutvahini College Of Engineering,
Sangamner, Dist.-Ahmednagar(MS)

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Ref/AE/ETC/ ~~7187~~2021-22

Date: 21/10/2021

To,
The Principal,
AVCOE, Sangamner.

Subject: Conduction Report of an online Expert Talk on “Demystifying Wi-Fi Mesh Networks” for E&TC students on 21st October 2021.

Respected Sir,

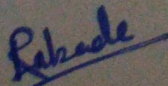
An online Expert Talk on “Demystifying Wi-Fi Mesh Networks” for E&TC students was conducted on 21st October 2021.

The details of the session are as follows:

- Resource person : **Sreeja Nair**
Staff Product Manager,
Qualcomm, San Jose, California, United states.
- Total no. of participants : 98 (SE, TE, and BE E&TC students)
- Objectives : 1. To know the evolution from routers to Wi-Fi mesh technology.
2. To explore the advantages of Wi-Fi mesh.
3. To aware users to new use cases and applications related to IoT and 802.11 Wi-Fi standard -Wi-Fi6.
- Outcomes : 1. Students came to know what is expected in the future for this technology.
2. Students got an overview of Wi-Fi mesh networks, its advantages and significance for the IOT ecosystems.
3. Discussed different use cases and understood the future demand of employment in the area of wireless for the technologies like 5G, 6G ad 7G.
- Coordinator : Mr. P. R. Gunjal

This is for your kind information.
Thanking you,

With Regards,



Dr. Ms. R. P. Labade
(HOD, E&TC)



Amrutvahini Sheti & Shikshan Vikas Sanstha's



Amrutvahini College of Engineering, Sangamner

Department of Electronics & Telecommunication Engineering

Organizes an Expert talk on

Demystifying Wi-Fi Mesh Networks

Under

IEEE Antenna and Propagation Society (APS)

Students Branch Chapter

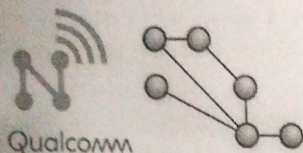
By

Sreeja Nair

Staff Product Manager,

Qualcomm, San Jose, California, United States

21st October 2021, 10:30 A.M.



Speaker

Mr. P. R. Gunjal
Coordinator

Dr. R.P. Labade
Head, Dept. of E&TC

Dr. M.A. Venkatesh
Principal

Join us at Google Meet: <https://meet.google.com/hhb-tsho-idb>

Flyer: Expert Talk on "Demystifying Wi-Fi Mesh Networks" for E&TC students was conducted on 21st October 2021.

Bio:

Sreeja is an Outbound Product Management Leader at Qualcomm. She manages the P&L for the Wireless Infrastructure and Networking Enterprise segment and is responsible for defining the product roadmap, go to market strategy and customer engagements. In her role, she interacts with Wireless Enterprise Providers to align their connectivity needs with Qualcomm's prolific wireless portfolio. She is excited to play her part in defining the features and use cases for the next generation of connectivity solutions which are laying the foundations for enterprises, IOT and Smart Homes.

She has a Masters' Degree in Electrical Engineering from Virginia Tech and has 2 patents in the fields of Wireless and Display technologies.

She is a 2020 YWCA Silicon Valley Tribute to Women Honoree, an award honoring exceptional women leaders' in Silicon Valley. In 2019, Sreeja was recognized as Qualcomm's Global Inclusion and Diversity Champion for her leadership in championing D&I at Qualcomm and in the community. She has been a speaker, panelist and emcee at the Watermark Conference, IEEE WIE Lead, Women in Silicon Valley Conference, Products by Women events among many others prestigious events.

She is extremely passionate about mentoring new college graduates and building a pipeline of girls for the STEM field. She actively works for the cause by volunteering on various boards and events including IEEE WIE Santa Clara Valley and NCWIT Bay Area. In her spare time she volunteers for 2 NGOs supporting education – Reading Partners and Vibha.

Social Media:

Linkedin - <https://www.linkedin.com/in/sreejanair7/>

Twitter - sreejanair7

Snapshot: Expert Talk on "Demystifying Wi-Fi Mesh Networks" for E&TC students was conducted on 21st October 2021.

The presentation slide is titled "Evolving from speed to network capacity" with the subtitle "Core technology evolution". It features a timeline from 1999 to 2020, divided into two main sections: "Wi-Fi 1.0 Enabling mobility" and "Wi-Fi 2.0 Connecting everything".

Year	Technology	Key Features
1999	Wi-Fi 1.0	802.11b, 2.4 GHz, 20 MHz
2003	Wi-Fi 1.1	802.11g, 2.4 GHz, 20 MHz
2007	Wi-Fi 2.0	802.11n, 2.4/5 GHz, 40 MHz
2013	Wi-Fi 2.1	802.11ac, 5 GHz only, 80 MHz
2016	Wi-Fi 2.2	802.11ad, 60 GHz, 216 Gbps
2019	Wi-Fi 6	802.11ax, 2.4/5 GHz, 160 MHz, 1024 QAM
2020	Wi-Fi 6E	802.11ax, 2.4/5/6 GHz, 160 MHz, 1024 QAM

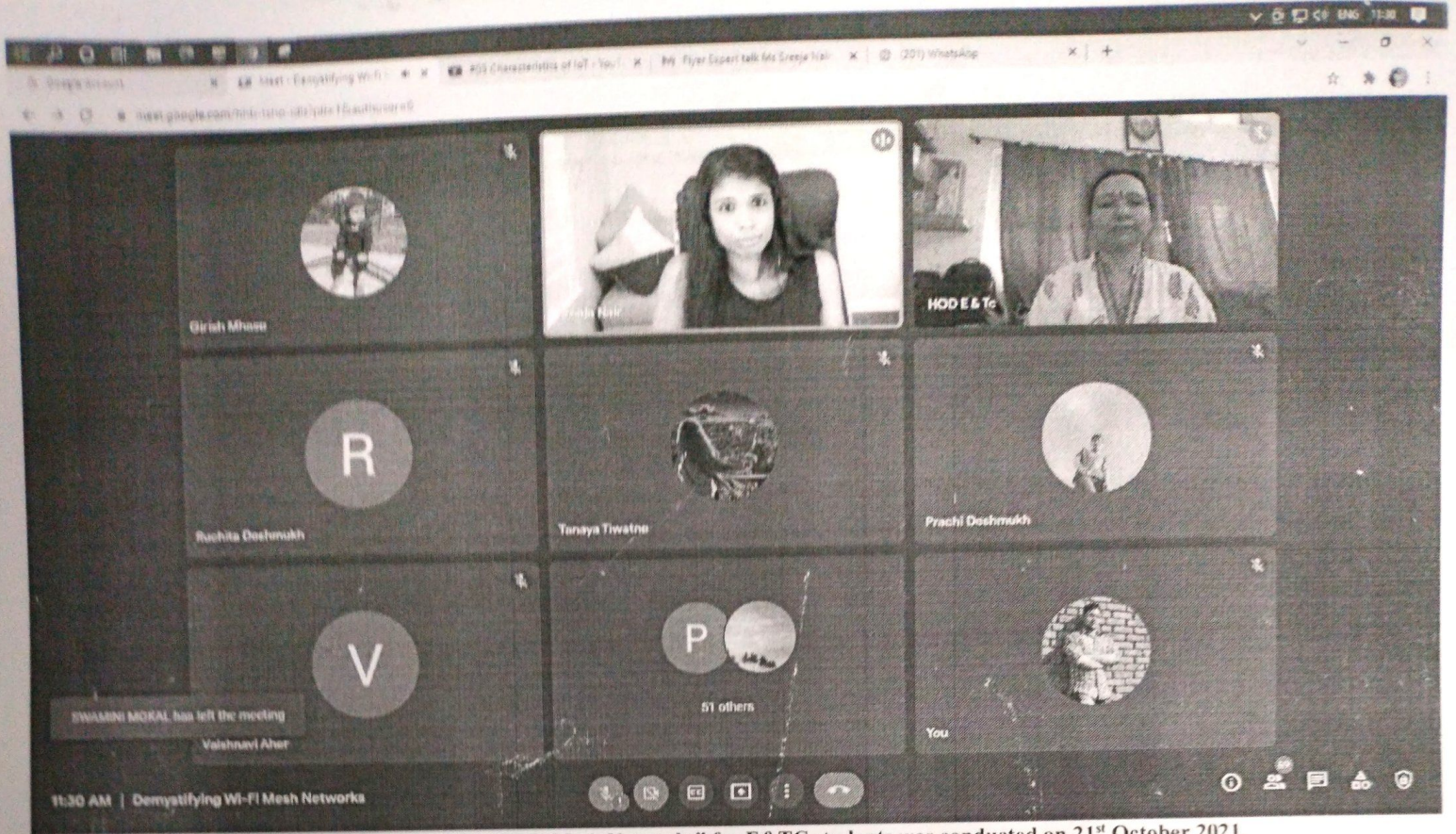
Key features highlighted include: 10K network efficiency gains, 6 GHz spectrum, and 1024 QAM. The slide also lists various Wi-Fi standards and their corresponding frequencies and data rates.

The meeting interface shows a grid of participants including Sreja Nair, HOD E & Te, Pramod R. Gunjal, Ruchita Dashmukh, Harshada Gordo, Tanaya Thawne, Bharti Ugale, and 62 others. The bottom status bar indicates the time is 11:09 AM and the topic is "Demystifying Wi-Fi Mesh Networks".

Snapshot: Expert Talk on "Demystifying Wi-Fi Mesh Networks" for E&TC students was conducted on 21st October 2021.

The presentation slide is titled "Wi-Fi has become a basic need" and features a photograph of a family (a man, a woman, and a child) sitting around a table, looking at a laptop. The text "Wi-Fi has become a basic need" is overlaid on the right side of the image.

The meeting interface shows a list of participants on the right side, including Sreja Nair, HOD E & Te, Pramod R. Gunjal, Ruchita Dashmukh, Harshada Gordo, Tanaya Thawne, Bharti Ugale, and 62 others. The bottom status bar indicates the time is 10:42 AM and the topic is "Demystifying Wi-Fi Mesh Networks".



Snapshot: Expert Talk on “Demystifying Wi-Fi Mesh Networks” for E&TC students was conducted on 21st October 2021.