

REPORT ON WEBINAR ON “CHALLENGES IN 4G AND 5G TECHNOLOGY”

Date: 20/06/2020

Time: 9.00 am – 10.00 am

Resource Person : Mr.Ramasubramani Muthanapillai,

R&D Manager, Maestronic Canada Inc..

Objectives (Maximum 50 words):

- To understand the evolution of mobile technology.
- To learn about the Telecom network architecture.
- To explore the working principles of various technologies.
- To understand the differences and challenges between the 4G and 5G technology

About the programme (Min 500 words):

The Department of Information Technology of SVCE organized a Webinar on “Challenges in 4G and 5G Technology” on 20th June 2020. Dr.V.Vidhya, HoD/INT, Students and Faculty members of SVCE and other colleges participated in the webinar. Dr.V.Vidhya, HoD/INT welcomed all the participants. The introductory speech about the speaker was rendered by Ms.Meenakshi.P, AP/INT. The speaker for the Webinar was Mr.Ramasubramani Muthanapillai, R&D Manager, Maestronic Canada Inc..

As mobile network is ruling the world, there is a need to know more details about mobile technologies. The webinar is for clear understanding about the “challenges in 4g and 5G technology”.

The speaker started the session by explaining the evolution of various mobile technology (1G,2G,3G,4G,5G) and their limitations, followed by architecture of LTE network. He then explained working of various technologies with flowchart which made us to understand how communication takes place in all technologies and differences between them. From this we could also understand the characteristics and limitations of each technology. He discussed about the 5G RAN functional units, uses cases and drivers of 5G technology also emphasized the need of 5G technology.

Finally, he addressed the similarity and differences between 4G and 5G technology. challenges of 5G technology in areas like spectrum management, cell size, voice over IP, security and devices.

The Webinar came to an end with the Vote of Thanks by Ms.G.Sangeetha, AP/INT, Webinar Coordinator. Dr.V.Vidhya thanked the speaker for making wonderful presentation and hands-on and all the participants for their active participation.

- 37 internal faculty and students,
- 37 from various other institutions
- (Total:74) participated in the webinar.

Benefits (Maximum 50 words):

- Participants learnt about various mobile technology.
- Architecture and Working principle of various technology
- Challenges and issues in 5G technology

Memories:

