



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ACADEMIC YEAR 2021-22 / ODD SEMESTER

Date: 08.12.2021

INTERNAL SEMINAR REPORT

Objective:

- To impart knowledge to students on recent developments in the field of Electrical and Electronics Engineering
- To educate the students on technological advancements which facilitate them to utilize the concepts in developing projects

Title : “5G Technology”

Target: Second and Third year EEE students

Internal seminar for second, third and final year students of Electrical and Electronics Engineering department was conducted on 08.12.2021 from 6.30 P.M to 7.30 P.M in online mode. Mrs.P.Thirumagal, AP/EEE lectured on the topic “5G Technology”.

During the session the following points were discussed:

- 5G technology refer to short name of fifth generation which was started from late 2010s
- High speed,High Capacity.
- 5G is not only important because it has the potential to support millions of devices at ultrafast speeds, but also because it has the potential to transform the lives of people around the world.

1. Improving accessibility

Improvements in 5G technology can help make life better. For example, significant advances in autonomous vehicle technology are possible with 5G, creating the potential for people to have new levels of personal and professional freedom. Connected appliances can help automate tasks around the house, which can not only improve personal convenience but also help those who need assistance with everyday tasks.

2. Extending the reach of mobile broadband

5G can power technology well beyond what current mobile technology permits. Thanks to its speed and bandwidth, 5G promises to make significant improvements in 3D holograms, virtual reality and augmented reality, creating opportunities to connect people far beyond what current cellular technology allows.

3. Improving safety, health and security

Access to 5G technology promises to improve mission-critical services that affect safety and security of services today. Opportunities include smart cities with 5G in public spaces, the potential for remote surgery, better traffic control and many other applications that depend on nearly instantaneous response time.

