



TESLA

LBS INSTITUTE OF TECHNOLOGY FOR WOMEN, POOJAPURA

DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING

S3,2021-25

June -December edition

CONTEXT

- 1) Introduction to 5G
- 2) The 5G triangle
- 3) Explorica 4.0
- 4) Vision and Mission

- S. DEVIKARAJ
S4 ECE, 2021-25

TESLA

JUNE-DECEMBER 2022

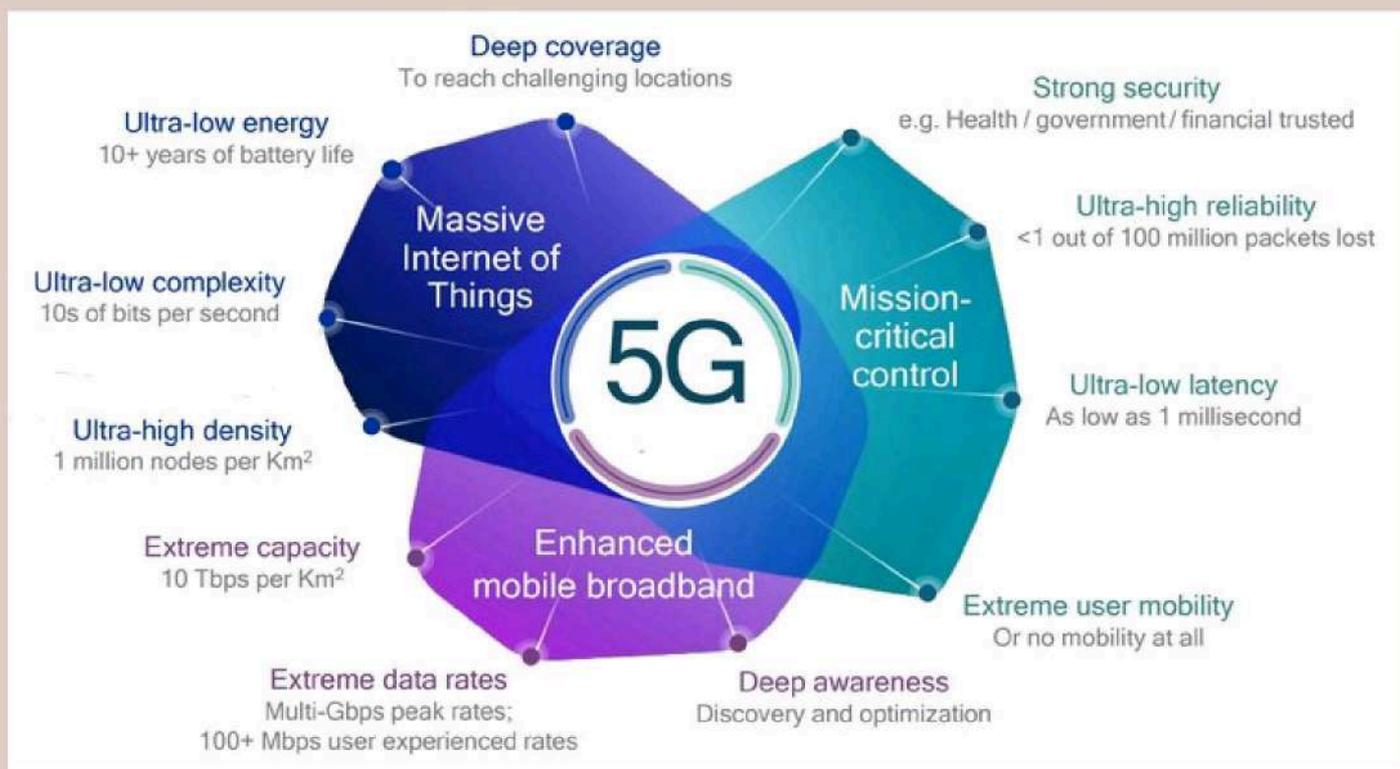
Newsletter by ECE(2021-2025),LBSITW



5G Technology

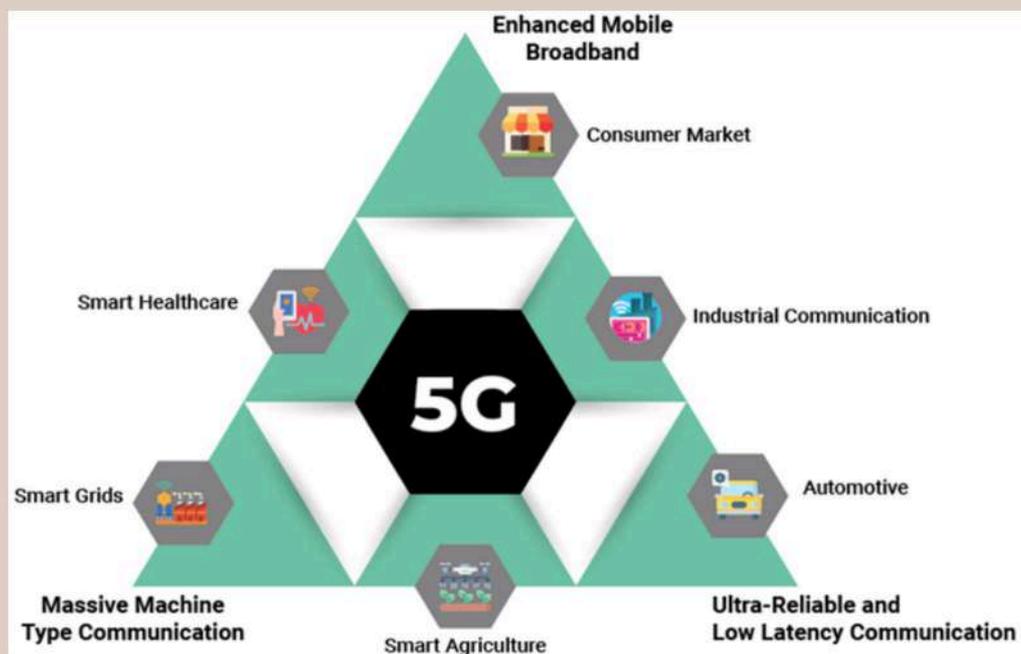
As 2022 draws to a close, we look at how 5G technology fared in India through some significant milestones. Since the introduction of 4G technology in the early 2010s, the smartphone industry has boomed in the country. Now, there are hardware concerns as users question whether they will have to upgrade their devices at great personal cost.

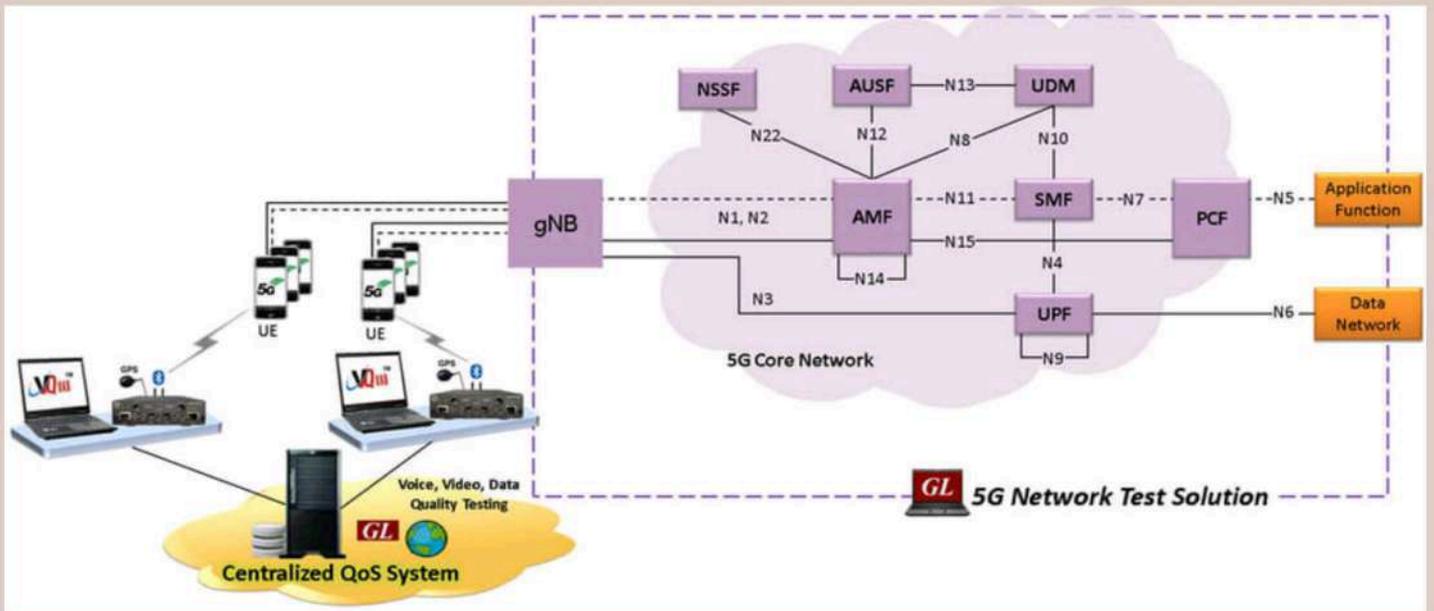
The 5G "Triangle" Has Grown in Diversity & Complexity



The areas where 5G provides substantial improvements over 4G are:

- : **Enhanced mobile broadband**
- : **Mission-critical control**
- : **Massive Internet of Things**





GL Communications has developed the MAPS™ (Message Automation and Protocol Simulation) software simulation suite. This versatile software program can emulate a multitude of different protocols spanning the Time-Domain Multiplexing (CAS, SS7, ISDN, etc.), Voice over IP (SIP, RTP, SIGTRAN, etc.), and Wireless (2G, 3G, 4G LTE, 5G) domains.

Amkor 5G Packaging Toolbox



Amkor is 5G Ready.

5G services are being deployed globally with 5G products being introduced at a rapid pace.

EXPLORICA 4.0

ITS A TECHNICAL EVENT CONDUCTED BY IEEE AT LBSINSTITUTE OF TECHNOLOGY FOR WOMEN ,TRIVANDRUM.IT WAS CONDUCTED ON 26TH AND 27TH NOVEMBER 2022



Students from various engineering branches were invited to explore and enhance their technical skills through a plethora of competitions, technical expos and workshops specially tailored for them. With plenty of technical events, treasure hunts, quizzes and technical capability tests.

VISION & MISSION OF INSTITUTE



VISION

To be a center of Academic Excellence empowering women in technical domain

MISSION

Imparting value based technical education for transforming young women to professionals excelling globally in academics, research and development and industry meeting societal challenges.

VISION & MISSION OF DEPARTMENT

VISION

To become a center of excellence in Electronics, Communication and Instrumentation to facilitate professional education and research keeping higher level of value systems.

MISSION

To transform young women to high quality engineers and entrepreneurs with ethical values for contributing creative engineering solutions and intellectual services for society and industry by application of Electronics, Communication and instrumentation engineering.