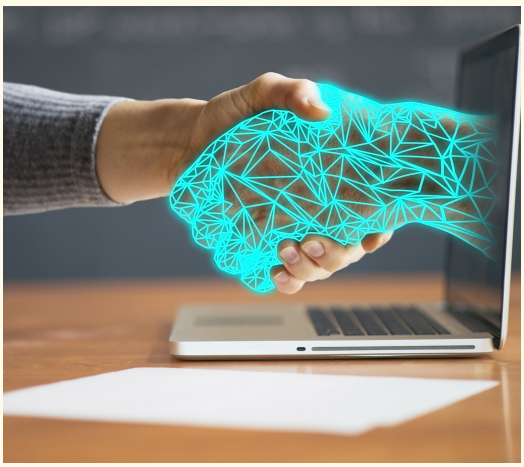
PRIFYSGOL BANGOR UNIVERSITY

FUTURE NETWORK GENERATIONS

"Imagination is more important than knowledge. For knowledge is limited, whereas imagination embraces the entire world, stimulating progress, giving birth to evolution."
- Albert Einstein.



OVERVIEW

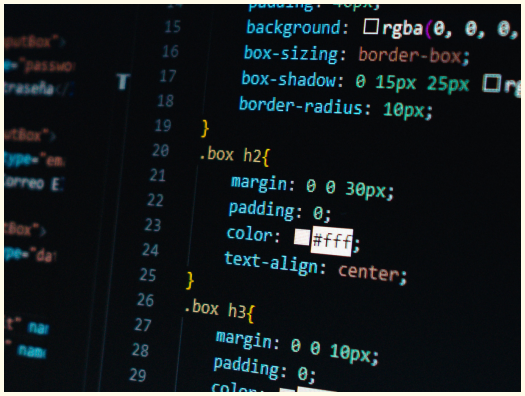
As 5G has been rolled out, what comes next?

Whenever we try to imagine our future there are few things that cross our mind, (a) there will be increased automation and machines will replace humans, the information will be collected at different checkpoints thus creating a large amount of data, (b) system-level operations will be more; which will demand tighter guarantees of delivery when compared to today's 5G and will require increased coordination in the connectivity fabric, (c) the barrier between the digital world and real-world will be shortened.

HOLOGRAPHIC TYPE COMMUNICATION

Multi-dimensional Replicas of the Product

Transmitting information through holographic objects will allow networks in the event of congestion to choose the meaningful part of the information and still reconstruct the information on the other side or the receiver side. This type of transmission will require a high volume of data being transmitted which is not possible using current network protocols



INSTANTANEOUS TELEPORTATION SYSTEM

There will space in the cloud for individuals in order to access the personal digital data in one place. "MY CLOUD" could be imaginable future innovation, in which turns, provides proximity of data to the user and conversion of digital data into physical data.

CONCLUSION

These applications have placed the demand for a network that has low latency, jitter, bandwidth and loss. At the same time there has been an increase in demand for privacy and security of data among the consumers.

INTRINSIC TRUSTABLE SECURITY

The security aspect of 6G is the aspect that everyone is talking about. The exchange of information through a trust worthy system is the need of the hour for achieving this 6G will come up with decentralization