

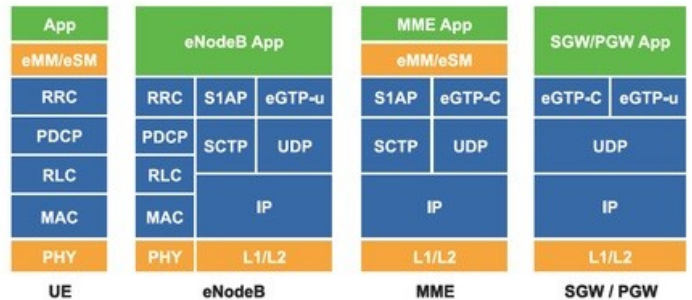
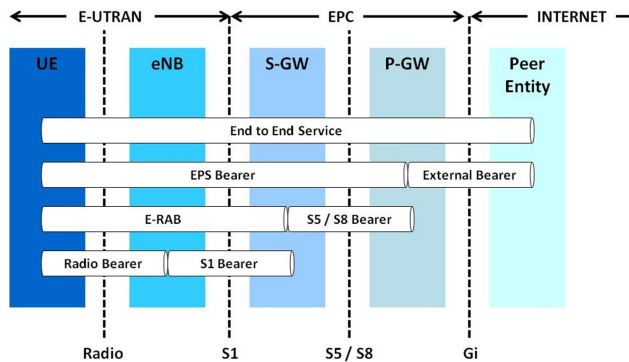
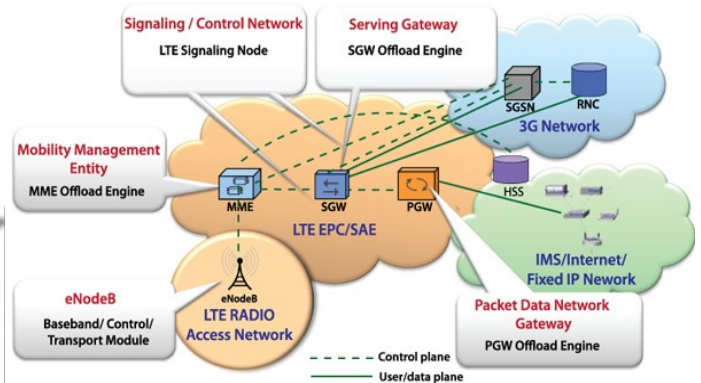
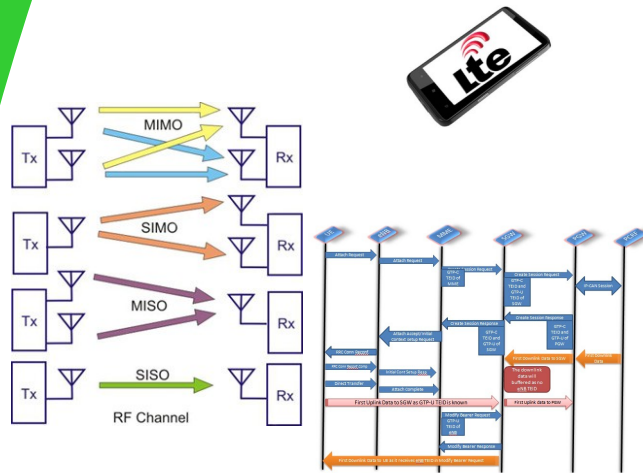
# LTE-Advanced (3GPP Release 10 & 11)

Courses that make you 'Job Ready'

A rapid increase of mobile data usage and emergence of new mobile phone applications such as MMOG (Multimedia Online Gaming), mobile TV, Web 2.0, streaming contents have motivated the 3GPP to work on the Long-Term Evolution (LTE) as a Fourth-generation (4G) mobile technology standard. The main benefit of LTE is that it can deliver services at fixed line quality using IP technologies.

Organizations like NEMs, Telecom / Internet service providers are looking for LTE expertise to help plan and execute tasks in Engineering (Development and Testing), Deployment and Field testing. Given the complexity of the LTE as a technology, such technical expertise is essential for career to grow

This course is designed to provide complete end-to-end knowledge involving basis on wireless communication, cellular concepts to Radio access network (E-UTRAN), Core network (EPC) covering the network elements, interfaces and the protocols.



## Course Contents

- Introduction to LTE-Advanced
- Network Architecture
- E-UTRAN and EPC Protocol Structure
- System Operation and UE States
- Radio Resource Control Functions
- PDCP, RLC, MAC Protocol Functions
- DL and UL Physical Layer Functions
- LTE-Advanced performance at Link-Level and System-Level
- Coordinated Multipoint Transmission and Reception (CoMP)
- Carrier Aggregation
- Enhanced Inter-cell Interference Coordination and Multi-radio Coexistence

## Course Duration

- 40 hrs

## Training Options

- **Class room sessions (Sat & Sun)**

Career Booster Technologies  
No.147/10, 4<sup>th</sup> Floor Krishna Mansion  
9<sup>th</sup> Cross, JP Nagar 1<sup>st</sup> Phase  
Bangalore - 560078.

- **On-line sessions (Mon to Fri)**

Web conferencing tools (Audio and Video)

**Contact Details** (for more details and a demo session)

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