

### Objectives and Course Content of Short Term Courses

Operational Plan No.	ECE-8
Name of the Course	Fourth Generation and Beyond
Objectives of Course	The objective of this course is to train and upgrade the faculty and technical staff of various technical institutes in the area of 4G Mobile Communication and beyond technologies in Cellular Communication.
Course Content	Fourth Generation and Beyond fundamentals and Frequency bands, E-UTRAN architecture, 4G Nodes and Interfaces OFDMA concepts, RF planning, Resource blocks, 4G cell search, Power control, 4G Handovers, VOLTE, Beyond 4G standards releases, MIMO in 4G & Beyond technologies and practical usage of 4G, Research areas of 4G and 5G
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