

Curriculum for Special Internship on Mobile communication for 1 week @Rs.3100/

Day 1	Theory	RF-GSM Frequency Band, Access Technology & Um interface GSM Evolution-1G/2G/2.5G/2.75G/3G
Day 1	Hands on Practicals	Different Types of Antenna ,Parts of Antenna Different Types of GSM Tower,Antenna Mechanical Tilt, electrical Tilt etc.
Day 2	Theory	Architecture and function of each Network element in early Mobile Networks.
Day 2	Hands on Practicals	Identifying 2G equipment –BTS,BSC,Transcoder Unit, MSC and servers.
Day 3	Theory	Architecture of 3G/UMTS/ 3GPP and 4G.
Day3	Hands on Practicals	Creation of BTS –running software. Analysis of Network Performances and KPIs.
Day 4	Theory	Wi-Fi and Wi-Fi Hotspot
Day 4	Hands on Practicals	How to access the Public Wi-Fi Hotspot. Security Features in GSM& Wi-Fi. EMF radiation issues in wireless communication.
Day 5	Theory	Mobile VAS-Value added services & 5G services. Mobile Voice Billing and Data Billing concepts.
Day 5	Hands on Practicals	RF Planning Tool. Demonstration of Atoll& Frequency Planning.