

DETAILED SYLLABUS OF MOBILE PHONE – I

Introduction to Mobile phones, Comparison with Computer, Working of Mobile Phone Network, Coverage of Base Trans Receiver Station (BTS), Some popular models of mobile phones, SMD components /SMT technology, Section detail of logic card (mobile Phone), Block diagram, LCD's, power supply and charging, Batteries, chargers, SIM architecture, Data processing techniques, Display and monitors, Study of various mobile phone circuit, Instruments required for servicing,

Familiarization with tools and equipments, Precautions while using SMD rework station, Practice on SMD rework station with dead phones, SMD rework station with working phones, Opening instructions, Motherboard tracing, Parts checking and replacement, Computer hardware and software,

Introduction to mobile diagnostic software, Software requirements, Types of faults in mobile phones, Common hardware faults of mobile phones, Golden rule- B.C.H, General servicing tips, Model wise servicing tips, Common software faults of mobile, Phones, Precautions before accepting a hand set from customer, New technology- CDMA, Advance techniques used in mobile phone.