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Sub! Ad-hoc and wireless Network

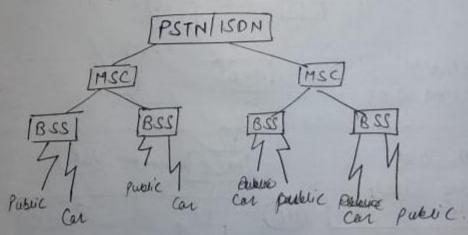
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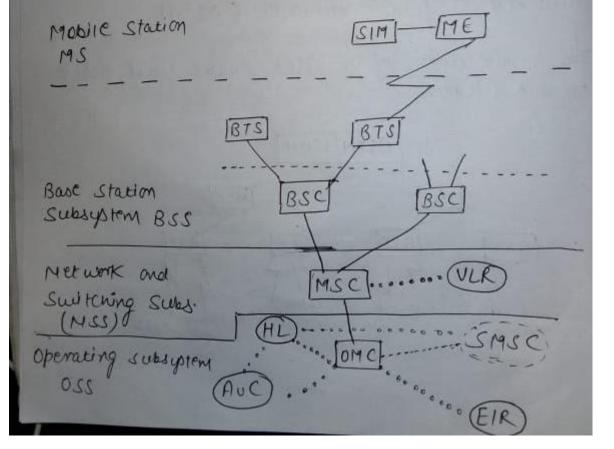
AIM: TO Study Archi recture of GSM. (7)

System Architecture

- entities, whose functions and interfaces are obtained. The CISTY Network can be defined in following broad parts.
 - · The mobile station (MS)
 - . The Base Station subsystem (BSS)
 - · The Network Switching Subsystem (NSS)
 - · The operating support subsystem (OSS)
- · A GSM Public land mobile network (PLMN) consist of atteast one sewice area controved by a mobile switching center (MSC) connected to me public Switched Telephone Nerwork (PSTN)
- . The architecture of a Castal Public land Mobile METWORK (PLMM)



- · A Base Station Subsystem (BSS) Consist of · Base Station Controller (BSC)
 - Transceiver Station (BTS) for mobile stations (MS), which are mobile phones or other band held devices (for example PDA Computers) with phone interface
- A BTS, with its aerial and associated radio frequency Components is the actual transmission and reception Components.
- → A more altailed architecture of a single MSC Controlled Service area PS outlined in fig.



- · Components of the tree asig network system.
- . Radio subsigtem (RSS) Consisting of BSSs and all BSS Connected 195 devices
 - · Network and switching subsystem (MSS)
 - · Operating subsystem (OSS)

ME = MOBILE Equipment

BTS = Base Receiving Station

BSC = BOJE Station Controller

MSC = Mobile switching Center

VIR = Witor location Register

OMC - Operation and Maintenance Center

Auc = Authencation Center

HLR = Home location Register

EIR = Equipment Identity register

SMSC = Short Message Service Centre.