Bharat Sanchar Nigam Limited
Regional Telecom Training Centre
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Gachibowli, Hyderabad –500 032

BE / B.Tech Main Projects List for the Year 2012-13

Telecom SWITCHING Projects

1		Next Generation Networks: A Future Communication System – Architecture
2		Configuration of IP-TAX over NGN platform
3		SS7: An efficient signaling system and its implementation in CDOT MAX-XL switching system
4	Switching	Intelligent Network Architecture – Implementation of IN services
5		Analysis of PSTN network setup and call flow in CDOT MAX-XL switching system
6		Design of remote exchange using V5.2 protocols and connecting to parent exchange in CDOT MAX-XL switching system
7		Establishment of CUG(Closed User Group) in CDOT MAX-XL switching system
8		Implementation of Mobile Number Portability in PSTN switch

Optical Fibre Comm./ Transmission Projects

9		Localisation and rectification of cable faults in Optical Fibre
10		Measurement of Network parameters in 40 Channel (10 Gbps) DWDM Network.
11	Transmission	Configuration of 155 Mbps bandwidth between Two stations with STM-16 (SDH) systems along with protection path and testing with BER meter
12		Planning and Design of STM-16 OFC lines, configuration of E1's, Bandwidth and BER measurements.
13		Configuration of path protection mechanism in STM-4 SDH OFC Links.

Mobile /GSM Projects

14		Performance acceptance testing of Huawei GSM Base Transceiver station site
15		3G UMTS Benchmarking of network key performance indicators in mobile service urban area by conducting drive testing
16		Planning of GSM radio network using planning simulation software
17	Mobile/ GSM	Planning of 3.5G HSDPA mobile radio networks using planning simulation software
18		Performance acceptance testing of Motorola GSM/GPRS Base Transceiver station site
19		Benchmarking of GPRS network key performance indicators in mobile service urban area by conducting drive testing
20		Measuring and analyzing call failures due to signaling link failure in Mobile Services Core network using SS#7 Protocol Analyser

Networking / Broadband Projects

21		Implemenation of IPsec VPN's & its configuration on ISP network.
22		Implementation of "Dual Stack strategy" for Migration of IPv4 to IPv6
23		Implementation of "Tunnelling Strategy" for Migration of IPv4 to IPv6
24	Networking	Implementation of BGP in IPv4 networks.
25		Implementation of Dynamic routing protocols (EIGRP,OSPF) In IPv6 Network
26		Redistribution of Dynamic Routing Protocols in IPv4 domain
27		Implementation of VLAN, STP and their features in CISCO catalyst switches
28		Configuration of ZTE make Manageable Switches in the ISP domain

CSE/ IT software Projects

29		Website in Indian Languages- A Java Approach
30		Online Examination System in Indic Languages with SMS and E-mail facilities
31		Enhanced Image Steganography
32		Educational Multimedia Server – A Java Approach
33		E-Recruitment System
34	CSE/ IT	Telephone Connection Management System
35		Migration of Databases – An XML Approach
36		IDS in Wired and Wireless Networks with port database
37		Account Tracking System on Andriod
38		Andriod Based Examination System
39		SMS Protection Application
40		Google Map Application using Andriod SDK

Note: Click on Category headings to open respective project abstracts

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