

2. Certificate course on Communication Net works (EPABX etc..)

CISST, Sardar patel University, Vallabh Vidyanagar is planning to offer a short term course on **Certificate course on communication net works (EPABX etc..)** jointly with USIC, SPU, V V Nagar. Apart from lectures Hands-on laboratory/ practical sessions and on-site sessions for the system installations, testing and maintenance are the major components of this skill based add on certificate course.

Course Content

- Net work Overview – N/W topology, N/W protocol, N/W configuration and Transmission media & Access system. Types of N/W- local area N/W(LAN), Metro area N/W (MAN) and wide area N/W (WAN). OSI reference model- Physical layers, N/W layer, Session layer, presentation layer and application layer. TCP/IP Model and IP address- Cocept of TCP/IP, Comparison of TCP & IP model, Types of Routing, Routing protocol.
- Internetworking devices and components- N/W interfacing card, Hub, switch, Bridges, Routers and Gateways. Computer aids- File sharing, N/W printer sharing, Proxy server Broad band connection Utility - Introduction of broadband connection and application. Fire wall security- firewall techniques Firewall software and hardware, Concept of intrusion detection system (IDS)
- EPABX & VOIP Overview: telephony N/W, wired and wireless N/W, MDF, VOIP concept and IVRS system. Wi-fi & Wi-max N/W- Introduction, N/W architecture and wi-max technique.

Resource Persons:

Experts from various industries/ Institutes, Technical experts in the relative fields drawn from USIC, SPU and other Pvt. Organizations.

Target Audience

- Active and interested UG/PG/Research level students of Science, BCA, MCA, MSc communications, MSc electronics, IT Electronics and Telecom Engineering, and others industrially sponsored persons from various industries can participate this course.

Benefits of the course

The course can enable the participants to have skill based practical knowledge on the communication net working. They will also be able to handle the relevant software used for the N/W. They will be able to handle total computer aided N/W schemes.

Course Duration: 30 hours

Minimum No. Of Registration reqrd: 15

Contact details & Enquiry for Registration Email: rajurajpara@rediffmail.com,
jyoti_tiwari@spuvvn.edu, cisst_head@spuvvn.edu