

COMPETENCY BASED CURRICULUM ON INFORMATION TECHNOLOGY FOR +2 VOCATIONAL STREAM

Competency based curriculum describes an approach to vocational education and training that focuses on the development of competency in the learner as an outcome of the training. It has a primary focus on what the learner can actually do and details out the knowledge, skills and attitudes as they relate to a specified level of competency.

Competency based curriculum on "Information Technology" is formulated in annual and modular pattern. The modular pattern is mainly formulated for the implementation of vocational courses in semester pattern. It provides a list of job opportunities (both wage and self) and description of each job, competencies and attitude required to be attained in cognitive (knowledge), psychomotor (skills) and affective (personality traits/attitudes) domains are presented. The objectives of the course, scheme of studies and examination pattern, syllabus in annual and modular pattern and a list of on-the-job training sites are given. The other information includes the list of equipment, etc., along with a list of collaborating institutions. The suggestive qualifications of teaching staff, a list of reference books and career pathways are also provided.

Syllabus in Annual Pattern

Class - XI

Paper I	:	Computer Foundation Course, Ms-Office, CorelDraw and Photoshop
Paper II	:	Computer Networks, Internet, Windows NT, HTML, DHTML
Paper III	:	Introduction to Linux and Object Oriented Programming in C++

Class - XII

Paper IV	:	VB Script and Visual Basic / Java Script and JDK (Core Java, Applet, JDBC)
Paper V	:	RDBMS Concepts, (Oracle 8i or SQL Server 7.0)
Paper VI	:	Introduction to E-Commerce and M-Commerce and Project work

Syllabus of Modules in Semester Pattern

Class – XI, SEMESTER I

ITC1	:	Computer Foundation Course – Fundamentals, MSDOS, Windows
ITC2	:	MS-Office 2000 Standard
ITC3	:	Object Oriented Programming with C++

Class – XI, SEMESTER II

ITC4	:	Computer Networks and Internet
ITC5	:	Network Operating Systems: Windows NT
ITC6	:	Web Design Tools (HTML, DHTML, FrontPage, Photoshop, CorelDraw)
ITEA1	:	VBscript
ITEB1	:	Javascript

Class – XII, SEMESTER III

ITE1	:	RDBMS Concepts And Oracle 8.0/8i
ITE2	:	RDBMS Concepts And Sql Server 7.0
ITEA2	:	Visual Programming in Visual Basic
ITEB2	:	Java (Core Java, Applets, JDBC)
ITEA3	:	Active Server Pages
ITEB3	:	Servlets

Class – XII, SEMESTER IV

ITC7	:	Introduction To E-Commerce and M-Commerce and Project work
------	---	--