

CURRICULUM FOR DIPLOMA IN ICT

Course Name : Diploma in Information and Communication Technology

Course Code : DICT

Course Duration : 1 Year

Total Modules : 10

Module No.	Module Name
First Term	
DICT-101	Computing Basics <i>(Computer-History, Organization, Number Systems, Boolean Algebra, Logic Gates, Storage devices, Software & Hardware, Operating System, Hardware & Trouble Shooting etc.)</i>
DICT-102	Application Packages <i>(Windows Desktop and its various components, Word processing using MS-WORD, Spread-Sheet Analysis using MS-EXCEL & Power Point etc.)</i>
DICT-103	Computer Programming <i>(Programming Concept, Data Types, Control structure, Array, Record, Function, Structure, Union etc.)</i>
DICT-104	Database Management Systems <i>(DBMS, Database models, Tables, Queries Forms, Reports, Database Administration, using MS-Access etc.)</i>
DICT-105	Professional English <i>(Developing Communication Skills, Presentations, meetings, negotiations, telephoning, video conferencing etc.)</i>
Second Term	
DICT-201	CAD and Multimedia <i>(AutoCAD, 2D-3D Design, Rendering, Animation, Multimedia, Picture, Sound, Video, Tools of Multimedia etc.)</i>
DICT-202	Data Communication & Networks <i>(Introduction, Data Communication, Local Area Network, Wide Area Network, Applications etc.)</i>
DICT-203	Internet & Web Technology <i>(Internet and Email, HTML, Web Page Design, Create Website, Link, Java Script/VB Script etc.)</i>
DICT-204	System Analysis & Design <i>(Real Life Project, System Concept, Life Cycles, Requirements Analysis, Design, System Tools, Implementation, Testing & Quality and Implement the Project etc.)</i>
DICT-205	Project <i>(Project Analysis, Documentation, Preparation, Implementation & Presentation etc.)</i>

CURRICULUM FOR POST GRADUATE

DIPLOMA IN ICT (PGDICT)

Course Name: Post Graduate Diploma in ICT

Course Code: PGDICT **Course Duration:** 1 Year **Total Modules :** 12

Module No.	Module Name
First Term	
PGDICT-101	Computer Fundamental & Office Automation <i>(Computer- History, Types, Organization, I/O Devices, Software, Operating System, Programming Language, Memories, Number Systems, Boolean Algebra, MS-Office with MSWORD,MS-EXCEL, MS-POWER POINT and MS-ACCESS etc.)</i>
PGDICT-102	Operating System (Windows & Linux) <i>(Concept, Process, CPU, Disk scheduling, Deadlocks, Storage Management, Virtual Memory etc.)</i>
PGDICT-103	Data Structure & Algorithm <i>(Data Structure, Complexity Analysis, Array, Linked List, Stack, Queue, Tree & Graph etc.)</i>
PGDICT-104	Programming With C/C++ <i>(Concept, Technique, Flowchart, Data Types, Control Structure, Array, Functions, Pointers, Files Class, Object, Encapsulation, polymorphism, Inheritance, Overloading, Files, Exception etc.)</i>
PGDICT-105	Database Management Systems and Oracle 9i <i>(DBMS Models, SQL, PL/SQL, DB Administration, Backup & Recovery etc.)</i>
PGDICT-106	Business English <i>(Developing communication skills, Presentations, meetings, telephoning, video conferencing etc.)</i>
Second Term	
PGDICT-201	System Analysis & Design, RUP <i>(Concept, Planning, Tools, Feasibility Study, Models, Analysis, Design, Implementation, Testing and Quality assurances, using RUP tools to design project etc.)</i>
PGDICT-202	Programming With Visual Tools <i>(Features, Forms, Coding, Debugging, Tools, Error Handling, Data Control-ADO, ActiveX, ... etc.)</i>
PGDICT-203	Data Communication & Networks <i>(Introduction, Data Communication, Local Area Network, Wide Area Network, Applications etc.)</i>
PGDICT-204	Internet & Web Technology with Programming <i>(Internet programming, Web Concept, HTTP, HTML programming, Internet Programming using Java (Awt, Swing, Threads, and Beans..., etc.)</i>
PGDICT-205	Multimedia & CAD/CAM <i>(AutoCAD, 2D-3D design, rendering, Animation, Multimedia, Picture, Sound, Video, Tools of Multimedia, CAM)</i>
PGDICT-206	Project <i>(Project Analysis, Documentation, Preparation, Implementation & Presentation)</i>

