MEHRAN UNIVERSITY OF ENGINEERING & TECHNOLOGY

FRM-001/00/QSP-004 DEC. 01, 2001

TENTATIVE TEACHING PLAN

Department/Institute/Directorate: Electrical Engineering

Subject Teacher:

Subject: Computer Applications & E-Learning

Batch:

Year: First

Term: First

Term Suspension Date

	Term Starting Date: Term Suspension Date:		
Sr. #	Topic	No. of Lecture Hrs. required	
1	Overview of the computer, Advantages and disadvantages of computer over humans.	01	
2	Classification of Computers on the basis of purpose and size.	02	
3	Parts of computer system, Information Processing Cycle.	02	
4	Central Processing Unit (CPU), Arithmetic and logic unit, control unit, memory unit and registers.	01	
5	Input devices, processor, output devices, RAM and ROM	02	
6	Storage devices: Magnetic, Optical and Solid state. Hierarchy of memory devices; Number System Conversions.	03	
7	Operating System overview, History of operating systems.	02	
8	Single-user/single-tasking, single-user/multi-tasking, multi-user/multi-tasking and real time operating systems.	02	
9	PC, Network and Embedded operating systems.	02	
10	User Interface: Graphical user Interface (GUI) and Command Line Interface (CLI)	02	
11	File Allocation Table (FAT), FAT32, New Technology File System, (NTFS) and High Performance File System (HPFS)	02	
12	Basic concepts of windows, Introduction to user interface, Start button, start menu, task bar, and system tray.	02	
13	Working with control menu (minimize, maximize and restore).	01	
14	My Computer, recycle bin, add programs to START menu, moving and arranging windows icons.	02	
15	Control Panel, creating new folder and shortcuts, finding files and folders.	02	
16	Installation of softwares	01	
17	Introduction to C++ programming language, Compilation, Data types and Identifiers.	02	
18	Declaration and initialization of variables.	01	
19	Conditional control structures: If, If-else, If-else-If and switch.	02	
20	Iterative control structures: For, While and Do-While.	02	
21	Operators in C++: Arithmetic, Relational and Logical	02	
22	Arrays in C++, Initializing arrays and multidimensional arrays.	02	
23	Functions in C++	02	
24	Graphics in C++	02	
25	Internet, networks, network topologies.	02	
26	E-Learning, E-Mail, E-groups, Teleconferencing, Telemeeting and E- Presentation	02	

27	Search Engines, Search techniques, use of digital library: extraction of research papers, journals, reports, tutorials, lectures and EBooks.	02
28	Concept of plagiarism: prevention of plagiarism and use of anti plagiarism software.	02
		52
Signature of Teacher: Dated:		

Signature of Teacher:	Dated:
Remarks of DMRC:	
Signature of Chairman/Director.	Dated: