Semester Wise Lesson Plan/Syllabus to be covered

Class BCA-I Semester 2nd Semester

Teaching (90) Days	Syllabus to be covered
1-10	combinational circuits Revision comparison with sequential circuitry logic, latches
11-20	Flip-flops: clocked; Preset; Clear RSFF, DFF, JKFF, Master slave JKFF, TFF
21-30	Registers: SISO, SIPO, PISO, PIPO Shift Registers
31-40	Counters: Synchronous, Asynchronous Synch Binary, Modulo-N counters
41-50	Up and Down Counter, Revision Assignment-1, test
51-60	Memory Parameters, types of Storage Devices. flash Memory, I/o Devices & their Controllers.
61-70	Machine Instructions, Instruction cycle, Instruction format, Addressing Modes
71-80	I/o Interface, Interrupts, Program controlled, Interrupt controlled, DMA transfer, I/O Channels, IOP
81 onwards	Assignment-2 test Doubt clearance, Practice of old Ques. Paper

Subject Name :- LOC-II

It is certified that I have completed the syllabus per the schedule.

Balwinder Kaur

Signature

Semester Wise Lesson Plan/Syllabus to be covered

Class BCA-III Semester 6th Semester

Teaching Days (90)

Syllabus to be covered

1-10 → Interactive, Passive Graphics, Applications, I/O Devices, CRT (Random, Raster Scan) Refresh Rate, Interlacing, Bit Plane, Color Depth, Palette, color CRT, DVST,

11-20 → Flat Panels, Plasma Panels, LED, LCD, look up table, Display Processor, Graphics S/w, Co-ordinates.

21-30 → Point Plotting:- Scan conversion, Straight lines, DDA, Bresenham's Algo, Circle scan conversion using Polar co-ordinates

31-40 → Bresenham's circle drawing Algo, Ellipse - Polynomial, trigonometric scan conversion. Polygon Area filling, scan-line fill & flood fill Algo
Assignment-1, test

41-50 → 2-D Graphics transformation - Translation, Rotation, Scaling, Matrix Representation, Homogeneous co-ordinates, Reflection, Shearing, composite transformation, Inverse transformation, Affine transformation, Raster transformation. Pointing & Positioning Devices & techniques

51-60 → 2-D viewing - window & viewport, transformation clipping: Point, line, Cohen-Sutherland, Mid pt. sub Division, Polygon, Sutherland-Hodgman Polygon.

61-70 → 3-D Graphics - Display methods, 3-D

71-80 → transformations, translation, Rotation, scaling, composite transformation
Assignment-2, test

80 onwards → Practice of Old Question Papers

Subject Name: Computer Graphics

It is certified that I have completed the syllabus per the schedule.

Balwinder Kaur

Signature