



Bachelor of Science
Electronics
Semester: II
(Skill Enhancement)

Course Code	US02SEELE01	Title of the Course	Fundamentals of Computer Hardware-2
Total Credits of the Course	2	Hours per Week	2

Course Objectives:	The course is to make the students understand the fundamentals of Computer.
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Course Content		
Unit	Description	Weightage In %
1.	Input Devices: Key board, Mouse, Hand held devices: Pen, Touch screen, Joy Stick, Optical input devices: Barcode reader, magnetic – ink character reader(MICR), Scanner, Image scanner, Optical character reader, Audio input devices: microphone, Video input devices: digital camera.	50
2.	Output Devices: Monitors : CRT monitors, flat panel monitors – LCD and LED monitors, Comparing monitors: Size, Resolution, Refresh rate, Dot pitch Printers: Impact and nonimpact printer, Dot matrix printer, Inkjet and Laser printer, Photo printer, Thermal wax printer, dye –sub printer. Comparisons of printer: image quality, speed, initial cost, cost of operation.	50

Teaching-Learning Methodology	Online and Board work
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written / Practical Examination (As per CBCS R.6.8.3)	
2.	Internal Continuous Assessment in the form of Practical, Viva-voce,	





	Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	
3.	University Examination	100%

Course Outcomes: Having completed this course, the learner will be able to

1.	Understand the constituents of the modern computer systems.
2.	Make students understand basic organizations of computer, various Input and Output devices and their working.

Suggested References:

Sr. No.	References
1.	Computer Fundamentals By P.K. Sinha (BPB Publications) UNIT 1
2.	Introduction To Computers By Peter Norton (sixth edition) (The McGraw– Hill Companies) UNIT 2

On-line resources to be used if available as reference material

On-line Resources

