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| Paper Code | | UCSIT-101 | | | |
| Paper Name (Open Elective 1) | | Computer Fundamentals | | | |
| | | L | T | P | Credit |
| | | 3 | 0 | 1 | 4 |
| Unit - I | Definition, Block diagram along with computer components, Characteristics & classification of computers, Hardware & software, Types of software, Operating System, Types of operating system, Functions of operating system, Examples of operating system. Lab session. | | | | |
| Unit - II | Input and Output devices, Memory, Primary and secondary memory, Types of primary memory, Storage devices. Lab session. | | | | |
| Unit -III | Processor, CPU, Fundamentals of Computer Networks. Lab session. | | | | |
| Unit -IV | Concept of Algorithm, Techniques for designing algorithms, Flowchart, Pseudo-code. v | | | | |
| Unit - V | Programming Languages, Assembler, Compiler, Interpreter, Program Writing and execution. Lab session. | | | | |
| Text Books: | | | | | |
| <ol style="list-style-type: none"> 1. R.K. Taxali : Introduction to Software Packages, Galgotia Publications. 2. MS-Office 2003, Compiled by SYBIX. 3. MS-Office 2003, BPB Publications. 4. Introduction to Computer, P.K. Sinha. 5. Balagurusamy, Fundamental of Computer, TMH | | | | | |