

Course Outcomes of B.Sc. Computer Science Minor (NEP)

Course Outcomes of the course “Computer Fundamentals and programming with C ”

After completion of this course the students will be able –

CO1 . be familiar with fundamental programming concepts and methodology (variables, assignments, conditions, branches, loops, functions, recursions, structures);

CO2 . be familiar with and appreciate good programming practice, and apply it to follow-up courses;

CO3 . be able to apply problem-solving knowledge and skills to write small, well-documented, effective C programs;

CO4 . be able to appreciate the use of simple data structure such as array, know their limitations to pave way for more complex data structures in the next course;

CO5 . know the responsibilities of an ethical programmer;

Course Outcomes of the course “Data Structures using C++ ”

After completion of this course the students will be able –

CO1 .be familiar with fundamental programming concepts and methodology (variables, assignments, conditions, branches, loops, functions, recursions, structures);

CO2 . Analyze the concepts of algorithm evaluation and find time and space complexities for searching and sorting algorithms.

CO3 . Implement linear data structure such as stacks, queues, linked lists and their applications.

CO4 . Implement basic operations on binary trees

CO5 . Demonstrate the representation and traversal techniques of graphs and their applications

Course Outcomes of the course “OS ”

After completion of this course the students will be able –

CO1 . Understand the basics of operating systems like kernel, shell, types and views of operating systems

CO2 . Describe the various CPU scheduling algorithms and remove deadlocks.

CO3 . Explain various memory management techniques and concept of thrashing

CO4 . Recognize file system interface, security mechanisms and protection .

CO5 . Use disk management and disk scheduling algorithms for better utilization of external memory.