



Govt. Shivalik College Naya Nangal
Department Of Computer Science

Sr.No	Course Name& Course Code	Outcomes
1.	BA & B.SC– I (First Semester) 1. FUNDAMENTALS OF I.T (ARTB1112T) 2.PRACTICAL (ARTB1113P)	<p>Upon the completion of the course the learner will be able to:</p> <p>CO-1: Familiarization with the types of computer, peripheral devices, memory management, multimedia and number system.</p> <p>CO-2: Learn about working of various input and output devices.</p> <p>CO-3: Learnt about binary number representation along with its operations.</p> <p>CO-4: Understand theoretical framework of internet and associated application of the internet.</p> <p>CO-5: Acquire the knowledge about the binary number representation along with its operations.</p> <p>CO-6: Understand of the role of computers in business, education and society.</p>
2	BA & B.SC – I (Second Semester) 1.MS-OFFICE AUTOMATION TOOLS(ARTB1212T) 2.PRACTICAL (ARTB1213P)	<p>After completion of this course, students will be able to:</p> <p>CO-1: Have basic knowledge of computer Hardware and Software.</p> <p>CO-2: Understand business areas to which computers may be applied.</p> <p>CO-3: Installation of Operating System (Windows), application</p>



		<p>software and to use Windows OS.</p> <p>CO-4: Provide practical knowledge to Office tools (MS Word, Excel and Power Point).</p> <p>CO-5: Use of MS-Word to type documents with various formatting.</p> <p>CO-6: Creating and manipulating Datasheets for different applications.</p> <p>CO-7: Designing effective presentations using Power Point software</p>
3.	<p>BA & B.SC – II (Third Semester)</p> <p>1.C PROGRAMMING AND DATA STRUCTURES(ARTB2312T)</p> <p>2. PRACTICAL (ARTB2313P)</p>	<p>After completion of this course, students will be able to:</p> <p>CO-1: Understand of various concepts of programming language.</p> <p>CO-2: Develop logics and analytical ability solve problem.</p> <p>CO-3: Learn about procedural programming using functions.</p> <p>CO-4: Acquired various flow control statements.</p> <p>CO-5: Learn about various storage classes along with user defined data types.</p> <p>CO-6: Acquire knowledge of file handling</p> <p>CO-7: Work with arrays of complex structure data types.</p>
4.	<p>BA & B.SC – II (Fourth Semester)</p> <p>1.DATABASE MANAGEMENT SYSTEM(ARTB2412T)</p> <p>2.PRACTICAL (ARTB2413P)</p>	<p>Upon the completion of the course the learner will be able to</p> <p>CO-1: Familiarization with various features and applications of Database Management system.</p> <p>CO-2: Acquire knowledge about database languages (DDL, DML, DCL)</p> <p>CO-3: Learn how to design a database by using different data models.</p> <p>CO-4: Understand the database handling during execution of the transactions along with concurrent</p>



		access.
5.	<p>BA & B.SC – II (Fifth Semester)</p> <p>1.OBJECT ORIENTED PROGRAMMING USING C++ (ARTB3512T)</p> <p>2.PRACTICAL (ARTB3513P)</p>	<p>After completion of this course, students will be able to:</p> <p>CO-1: Understand the intricacies of Object Oriented Programming including the features and peculiarities of the C++ programming language.</p> <p>CO-2: Illustrate the concept of Inheritance, operator overloading, and polymorphism.</p> <p>CO-3: Implement various objects oriented concepts to solve practical problems.</p>
6.	<p>BA & B.SC – II (Sixth Semester)</p> <p>1.Introduction to Computer Network and Internet Programming (ARTB3612T)</p> <p>2. PRACTICAL (ARTB3613P)</p>	<p>After completion of this course, students will be able to:</p> <p>CO-1: Write and debug webpage using HTML.</p> <p>CO-2: Knowledge and Use of web publishing and phases related with the website development.</p> <p>CO-3: Make use of knowledge related to links, addresses, images, and tables.</p> <p>CO-4: Knowledge of various formatting options on HTML page and web site.</p> <p>CO-5: Knowledge of Server Side programming.</p>

PROGRAMME OUTCOME

B.Sc. (Non-Medical/ Computer Science):

Bachelor of Science (B.Sc.) is one of the most popular academic degree courses among the science students after class 12th. The duration of B.Sc. degree course is 3 years. B.Sc (Non – Medical) comprises of three elective subjects Physics, Chemistry and Mathematics. The students who are interested in the computer and information technology field can opt for B.Sc. (Computer Science) in which Computer Science is an elective subject in place of Chemistry.



Career opportunities after B.Sc (Non Medical/Comp. Sc)

There are various opportunities available for the students after B.Sc. The students can go in a research field, in some colleges the students can be recruited directly by the big organizations at a very good salary package, some professional B.Sc. (Computer Science) open the door of animation and IT industry for the graduates. A graduation degree in science allows the students to learn, work and get jobs not only in India but also in abroad. Apart from the research jobs, students can also work or get jobs in Marketing, Business & Other technical fields. Science graduates also recruited in the bank sector to work as customer service executives. Students can also find employment in government sectors. Few of the options are available after pursuing post-graduation (M. Sc.). Students can also pursue Ph.D. from reputed institute after MSc and get fellowships/scholarships. Some of the recruiting agencies are BHEL, DRDO, HPL, CSIO etc

B.A Computer Science Program Specific Outcomes

- To expose the students to the basic concepts of Information Technology.
- To equip the students with practical knowledge and give hand on experience to them
- To equip students with the study of design, development and analysis of software used to solve problems.
- To make students aware the importance of open source softwares and its usage.

Career Opportunities after B.A in Computer Science

Higher studies in computer science will help the candidates in acquiring better jobs in public as well as private sector organisations. Many reputed public and private sector organisations recruit graduates in B.A in computer science. They can even find suitable jobs in many well-known organisations abroad. The major job profiles after B.A in computer science is as follows.

- Lecturer-Computer Science
- Assistant Professor-Computer Science
- Teacher-Computer Science
- Back Office Executive-Computer Science
- Vocational Instructor-Computer Science
- Computer Operator
- Computer Programmer Operator
- Date Entry Operator
- Technical Assistant-Computer

