

## Department **Information Technology** Specific Programme Outcome

Program	Subject	Class UG/PG	Specific Programme Outcome
BCA	Computer Science	UG	<p>1 focuses on preparing student for roles pertaining to computer applications and IT industry.</p> <p>2 start from the basics and in every year learns each and everything about computers.</p> <p>3 Students will able to understand, analyze and develop computer programs in the areas related to algorithm, system software, web design and networking for efficient design of computer based system.</p> <p>4 Student will able to know various issues, latest trends in technology development and thereby innovate new ideas and solutions to existing problems.</p> <p>5 Apply the knowledge of mathematics, science, engineering fundamentals to the solution of complex engineering problems.</p> <p>6 Learn programming language such as C, V.B., Java, C++, HTML, SQL, etc...</p> <p>7 Information about various computer applications and latest development in IT and communication system is also provided</p> <p>8 Gives overview of the topics in IT like networking, computer graphics, web development, trouble shooting, and hardware and software skills.</p> <p>9 Bachelor in computer applications (BCA) gives a number of opportunities to individuals</p> <p>10 A few of them being like software programmer, system and network administrator, web designer faculty for computer science and computer applications</p>

## Department/Subject **INFORMATION TECHNOLOGY** Course Outcome

Program	Class	Paper Title	Compulsory /Optional	Points of Course outcome
<b>BCA</b>	<b>BCA-Part I</b>	<b>BCA101</b> Discrete Mathematics	Compulsory	These course is studied for learning the concept and notation from discrete mathematics are useful in studying and describing object and problem in branches of computer science such as algorithm , programminglanguages cryptography, automated theorem proving and software development.
		<b>BCA102</b> Computer Fundamentals	Compulsory	These course is studied for learning the structure , components and functions of computer system and terms of Operating System like Windows, Linux, etc.
		<b>BCA103</b> Programming in 'C' language	Compulsory	These course is studied for learning to making flowchart and design an algorithm for given problem , develop logics and Program, understand the basic structure of C Program.
		<b>BCA104</b> PC Software & Multimedia	Compulsory	These course is studied for developing skills for MS-Word, MS-Excel, MS-Access and MS-Powerpoint and uses internet and learning basics of graphics and animation and its applications.
		<b>BCA105</b> Web Technology and E-Commerce	Compulsory	These course is studied for learning the HTML tags and syntax , developing web page, basics of DHTML, Java script Programming and concept of E-commerce .
		<b>BCA106</b> Communication Skills	Compulsory	These course is studied for improving reading skills, writing skills, listening skills and speaking skills.

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Program	Class	Paper Title	Compulsory/ Optional	Points of Course outcome
BCA	BCA-Part II	<b>BCA201</b> Calculus and Differential Equation	Compulsory	These can help us solve many types of real world problems. The differentiation is used to determine Maximum and Minimum value of a particular function such as cost, profit-loss, etc. Whereas Integration is used to find area and volume of curve.
		<b>BCA202</b> Database Management System	Compulsory	These course is studied for learning the concept of DBMS with respect to various model, function of DBMS , data requirement for complex database applications. Students learned creation of database , manipulation and queries of data in database and Skills to write SQL and PL/SQL Programs.
		<b>BCA203</b> Programming in C++	Compulsory	These course is studied for learning the use of programming concept - Object Oriented Programming Approach and develop logic thinking, skills to write codes, finding and fixing errors.
		<b>BCA204</b> Computer Networks	Compulsory	These course is studied for learning use and services of network architecture , network type , topologies , OSI AND TCP/IP model, and different techniques of network security.
		<b>BCA205</b> Operating System with Linux	Compulsory	These course is studied for detailed knowledge of integral software in computer system, CPU scheduling Algorithms, process of Memory management methods and allocation methods , system deadlocks and also studied for learning various tools and techniques ,syntax, codes, use of system administrator and end user in

				Linux environment .
		<b>BCA206</b> Foundation Course	Compulsory	These course is studied for learning the aspects of Indian constitution , Indian society and political issues of the country.

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BCA	BCA-Part III	<b>BCA301</b> <b>Part-I</b> Calculus & Geometry	Compulsory	Calculus is mathematical study of continuous changes. How one variable changes with respect to other variable and its effect on other mathematical functions. Whereas geometry is the study of shape.
		<b>Part-II</b> Differential Equation & Fourier Series		Fourier theory was initially invented to solve certain differential equations. Fourier series are widely used for seeking solution to various Ordinary Differential Equation and Partial Differential Equation relates one or more functions and their derivatives.
		<b>Part-III</b> Computer System Architect		These course is studied for able to understand the functionality and implementation of computer system, familiar to various instruction codes and formats of different CPU's ,I/O's , memory originations, control unit and working of parallel processing and vector processing.
		<b>BCA302</b> Java	Compulsory	These course is studied for learning fundamentals of Java application programs using OOPs Principles , creating packages and interfaces, implementing errors handling techniques using exception handling.

		<b>BCA303</b> Operating System	Compulsory	These course is studied for detailed knowledge of integral software in computer system, CPU scheduling Algorithms, process of Memory management methods and allocation methods , system deadlocks.
		<b>BCA304</b> Software Engineering	Compulsory	These course is studied for learning the concept of software engineering and its relevance, various models for developing a software product ,analyze existing system to gather requirements for proposed system, design and coding of software, testing of software.
		<b>BCA305</b> <b>A</b> Multimedia Tools And Applications	Compulsory	These course is studied for learning basics of graphics and animation and its applications.
		<b>B</b> Practical based on course 305A		These course is studied for learning the practical approach and develop program .
		<b>BCA306</b> <b>A</b> financial Management Accountancy	Compulsory	These course is studied for learning principle of financial accounting , cost accounting, corporate and management Accounting which help in creating finance related data.
		<b>B</b> Foundation Course		These course is studied for improving reading skills, writing skills, listening skills and speaking skills.
		<b>BCA307</b> Practical based on course-302	Compulsory	These course is studied for learning the practical approach and develop programs in Java Language.
		<b>BCA308</b> Project	Compulsory	These course is studied for skills to apply software development cycle to develop a software module for any system , and complete documentation.