

BACHELOR OF COMPUTER APPLICATIONS (BCA)

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.
- Students study the design, development and analysis of software and hardware used to solve problems.
- To understand the importance of database management and using it purposefully.
- To make students awareness of the benefits of data storage and create awareness of new trends in database management system.
- To understand and make use of the programming languages like C, C++ and understand the concept of file handling.
- To understand and make use of the programming languages easily and use it purposefully.
- To understand the concepts of operating systems like Windows and DOS.
- To make students understand the long run data issues like growth and technical progress.
- To acquire good Computer Science jobs and develop skills so as to develop Critical thinking.
- To make students understand software engineering methodologies which constitute framework including planning analysis design and maintenance?
- The projects made by the students give them better understanding of the subject.

Department Name: Computer Science**First Year (1st semester)**

S.No	Subject Code	Subject Title	Subject Category	Program Outcome
1	BCA0101	Mathematics-I	Core	To develop logical reasoning among students differentiation matrices coordinate geometry
2	BCA0102	Applied English	Core	To learn framing formal letters, invitations and literary passages.
3	BCA0103	Computer Fundamentals	Core	To explain the fundamental concepts of Computers.
4	BCA0104	C Programming	Core	To learn the concepts of programming language.
5	BCA0105	Office Automation Tools	Core	To learn MS Word, Ms PowerPoint, Ms Excel and DOS.
6	BCA0104(P)	C Programming Lab-I	Practical	To learn coding in C language.
7	BCA0105(P)	Office Automation Tools Lab-II	Practical	To learn practical implementation of office automation tools

First Year (2nd Semester)

S.No	Subject code	Subject Title	Subject Category	Program Outcome
1	BCA0201	Mathematics-II	Core	To make students understand the concepts of Group ring, number system and theorems of mathematics
2	BCA0202	Communicative English	Core	To make students aware of secretarial skills
3	BCA0203	Digital Electronics	Core	To make students understand the concepts of ,memory ,registers, counters
4	BCA0204	Data Structures	Core	To make students aware of concepts of data types and its implementation using programming.
5	BCA0205	Data Base Management System	Core	To make students aware of concept of data and its management.
6	BCA0204(P)	Data Structures Lab-III	Practical	To make students perform practical in programming language
7	BCA0205(P)	Data Base Management System Lab-IV	Practical	To the learn the concept of MS Access

Second Semester (3rd semester)

S.No	Subject Code	Subject Title	Subject Category	Program Outcome
1	BCA0301	Mathematics-III	Core	To learn Second order differentiation, complex numbers and Galois field.
2	BCA0302	Business Practices and Management	Core	To make students aware of business management
3	BCA0303	Computer Organization	Core	To make students learn the concepts of registers and computer system organization
4	BCA0304	Object Oriented Programming with C++	Core	To equip students with the concepts of Object Oriented Programming
5	BCA0305	Desktop Publishing and Designing	Core	The course makes students learn photo shop and PageMaker concepts
6	BCA0304(P)	Object Oriented Programming with C++ Lab-V	Practical	The outcome of the course is the practical implementation of C++
7	BCA0305(P)	Desktop Publishing and Designing Lab-VI	Practical	The course make students learn the practical implementation of software like adobe photo shop and PageMaker

Second Year (4th Semester)

S.No	Subject Code	Subject Title	Subject Category	Program Outcome
1	BCA0401	Personnel Management	Core	To understand Human Resource Planning its Meaning, objectives and importance of HRM, Job Analysis and Design
2	BCA0402	Accounting	Core	To make students aware of objects of Accounting, Accounting Principles, Accounting concepts and Conventions
3	BCA0403	System Analysis and Design	Core	The students learn the concepts of SDLC
4	BCA0404	Internet Technology & Web Page Design	Core	The course enable the students learn basic concepts of internet technologies
5	BCA0405	Programming in Visual Basic	Core	The outcome of the course is to learn concepts of front end and back end
6	BCA0404(P)	Internet Technology & Web Page Design Lab-VII	Practical	The course enable the students learn practical implementation using HTML tags
7	BCA0405(P)	Programming in Visual Basic Lab-VIII	Practical	This course helps students to learn practical implementation of Visual Basic

Third Year (5th Semester)

S.No	Subject Code	Subject Title	Subject category	Program Outcome
1	BCA0501	Operating System	Core	The outcome of the course is to make students know about system software
2	BCA0502	ecommerce	Core	The course enables students to learn various business models
3	BCA0503	Management Information System	Core	The outcome of the course is to make students aware information system and its management
4	BCA0504	ASP.net Technologies	Core	The outcome of the course is to develop active server pages
5	BCA0505	Computer Oriented Statistical Methods	Core	The provide overview of computer oriented statistical methods
6	BCA0504(P)	ASP.net Technologies Lab-IX	Practical	To make students do practical using Visual basic
7	BCA0505(P)	Computer Oriented Statistical Methods Lab-X	Practical	To learn to calculate mean ,mode median

Third Year (6th Semester)

S.No	Subject Code	Subject Title	Subject category	Program Outcome
1	BCA0601	Computer Networks	Core	To outcome of this course is to learn networking and components required in it.
2	BCA0602	Numerical Methods	Core	To introduce students to Bisection methods, gauss elimination method Simpson 1/3 rule.
3	BCA0603	Multimedia Technology	Core	The outcome of the course is to introduce students to new emerging technologies and animation techniques.
4	BCA0604	Computer Graphics	Core	To introduce students to learn graphic designs.
5	BCA0605	Software Engineering	Core	To make students understand software engineering methodologies.
6	BCA0604(P)	Computer Graphics Lab-XI	Practical	To learn to implement graphics using languages like C and C++.
7	BCA0606	Major Project	Practical	The outcome of the work is to make students use different software and make live projects.