

3.3 : Bachelor of Computer Science B.Sc. (Computer Science)

F.Y.B.Sc. (Computer Science): (From the Academic Year 2018-19)

F.Y.B.Sc. Semester I			F.Y.B.Sc. Semester II		
Subject Type	Code	Title of the paper	Subject Type	Code	Title of the paper
Core Course	CS -11	Introduction to RDBMS	Core Course	CS -21	RDBMS using oracle
	CS -12	Programming in C - I		CS -22	Programming in C - II.
	CS -13	Mathematical Foundation of Computer Science		CS -23	Graph Theory
	CS -14	Algebra -I		CS -24	Algebra-II
	CS -15	Principles of Analog Electronics - I		CS -25	Principles of Analog Electronics - II
	CS-16	Principles of Digital Electronics -I		CS -26	Principles of Digital Electronics -II
Core Practical	CS PI	Computer Science Practical - I	Core Practical	CS PIII	Computer Science Practical - III
	CS PII	Computer Science Practical - II		CS PIV	Computer Science Practical - IV
	CS EI	Electronics Practical -I		CS EII	Electronics Practical -II
Elective Courses	Any Two from the following:		Elective Courses	Any Two from the following:	
	CS -17	Computer Oriented Statistical Techniques -I		CS -27	Computer Oriented Statistical Techniques - II
	CS-18	Compulsory English -I		CS-28	Compulsory English -II
	CS-19	Elementary Algorithmics		CS-29	Operating Environment
			This paper is compulsory for all the students:		
			Skill Enhance ment course	UGSEC -21	HTML Programming

5.3 : Bachelor of Computer Science B.Sc. (Computer Science)(Only for Second & Third year)

S.Y.B.Sc.Comp.Sci. Semester III			S.Y.B.Sc.Comp.Sci. Semester IV		
Subject Type	Code	Title of the paper	Subject Type	Code	Title of the paper
Core Courses	CS -31	Object Oriented Programming with C++	Core Courses	CS -41	Data Structures using C++
	CS -32	Introduction to .Net using C#		CS -42	ASP.Net
	CS -33	Linear Algebra		CS -43	Computational Geometry
	CS -34	Computer Oriented Numerical Methods		CS -44	Optimization Techniques
	CS -35	Digital systems and Microprocessors		CS -45	8051 Microcontroller
	CS -36	Principles of Communication		CS -46	Analog Systems
	CSIII- LI	Lab Course on C++ and Data Structures -I		CSIV- LI	Lab Course on C++ and Data Structures -II
	CSIII- LII	Lab Course on .NET -I		CSIV- LII	Lab Course on .NET -II
	CSIII- LIII	Lab Course on Electronics -III		CSIV- LIII	Lab Course on Electronics -IV
Elective Course	Any One from the following:		Elective Course	Any One from the following:	
	CS -37	Cloud Computing -I		CS -47	Cloud Computing -II
	CS -38	Data Warehousing and data mining-I	CS -48	Data Warehousing and data mining-II	
Foundation Course	This paper is compulsory for all the students:				
	UGF 32	Cyber Law			

Environment Studies

As per the order of Honourable Supreme Court of India, this course is compulsory for every undergraduate student. The college is implementing this module course in Environment Studies in the second year of all degree courses. There will be 50 lectures for this course. The examination will be conducted at the end of Semester IV and will carry 50 marks. These marks will be converted into the grades accordingly. These grades will be mentioned in the degree marksheet. If any student fails in this course, the result of his/her degree course will be withheld by the university.

T.Y.B.Sc. (Computer Science):

T.Y.B.Sc.Comp.Sci. Semester V			T.Y.B.Sc.Comp.Sci. Semester VI		
Subject Type	Code	Title of the paper	Subject Type	Code	Title of the paper
Core Courses	CS -51	Operating System	Core Courses	CS -61	Linux Programming
	CS -52	Web Supporting Technologies		CS -62	Open Source Technologies
	CS -53	Theoretical Computer Science		CS -63	Compiler Construction
	CS -54	Core JAVA		CS -64	Advance JAVA
	CS -55	Software Engineering		CS -65	Unified Modeling Language
	CSV-LI	Lab Course on System programming and Linux -I		CSV-LI	Lab Course on System programming and Linux -II
	CSV-LII	Lab Course on Web Supporting Technologies -I		CSV-LII	Lab Course on Web Supporting Technologies -II
	CSV-LIII	Lab Course on JAVA -I		CSV-LIII	Lab Course on JAVA -II
	CSV-LIV	Mini Project -I		CSV-LIV	Mini Project -II
Elective Course	Any One from the following:		Elective Course	Any One from the following:	
	CS -56	Data Communication and Networking -I		CS -56	Data Communication and Networking-II
	CS -57	Management Information System -I		CS -57	Management Information System-II
	CS -58	Research in Computer Science -I		CS -58	Research in Computer Science -II
Foundation Course	This paper is compulsory for all the students:				
	UGF 51	Soft Skills			