F.Y.BSc(Computer Science)

Class	Sr.no	Sub Name	outcomes
F.Y.BSc(Computer Science)	**1**	Problem Solving Using Computers and 'C' Programming COURCE CODE:-CS-101	1) Students are now able to solve problem 2) Students are able to do 'C' programs 3) Their basic principles are developed
	2	File Organization and Fundamental of Databases COURCE CODE:-CS-102	1) Students can now process data using computer 2) They can write queries, create database 3) They understood file organization
	3	Suject Name **: Descrete Mathematic**s	1)the students takes a sufficient knowledge of fundamental principles ,methods and a clear perception of innumerous power of Statistical ideas and tools and know how to use them by modeling ,solving and interpreting. 2) Reflecting the broad nature of the subject and developing Statistical tools for continuing further study in various fields of science. 3) A student take be able to recall basic facts about mathematics and should be able to display knowledge of conventions such as notations, terminology and recognize basic geometrical figures and graphical displays ,state important facts resulting from their studies. 4) A student takes relational understanding of statistical concepts and concerned structures, and should be able to follow the patterns involved, mathematical reasoning.
	4	Suject Name: **Algebra and Calculus**	1) A student know the of history of statistics and hence of its pastpresent and future role as part of our culture.

			2) students develop a positive attitude towards Statistics as aninteresting and valuable subject of study. 3)student prepare the statisticals models related to basic statistics.
	5	Subject Name: **Multivariable Calculus II** Cousre Code: MT222(A)	1)Students Solve the mathematical problem by using appropriate mathematical formulae or techiques. 2) students enhanced overall development and to equip them with mathematical modeling abilities, problem solving skills , creative talent and power of communication. 3) students acquired knowledge of basic mathematics
		Suject Name : Statistical Methods -I	1)the students takes a sufficient knowledge of fundamental principles ,methods and a clear perception of innumerous power of Statistical ideas and tools and know how to use them by modeling ,solving and interpreting. 2) Reflecting the broad nature of the subject and developing Statistical tools for continuing further study in various fields of science. 3) A student take be able to recall basic facts about mathematics and should be able to display knowledge of conventions such as notations, terminology and recognize basic geometrical figures and graphical displays ,state important facts resulting from their studies. 4) A student takes relational understanding of statistical concepts and concerned structures, and should be able to follow the patterns involved, mathematical reasoning.

		Suject Name: Statistical Methods -II	1) A student know the of history of statistics and hence of its pastpresent and future role as part of our culture. 2) students develop a positive attitude towards Statistics as aninteresting and valuable subject of study. 3)student prepare the statisticals models related to basic statistics.
		Subject Name: **Multivariable Calculus II** Cousre Code: MT222(A)	1)Students Solve the mathematical problem by using appropriate mathematical formulae or techiques. 2) students enhanced overall development and to equip them with mathematical modeling abilities, problem solving skills , creative talent and power of communication. 3) students acquired knowledge of basic mathematics
		Principles of Analog Electronics	1 To understand basic concept of analog electronics. 2) To gat familiar with passive components. 3) To understand basic concept of Semiconductor devices 4 To understand Basic Circuits using Active Devices.
		Principles of Digital Electronics	1) To get familiar with Number systems and Logic Gates. 2) To understand concept of Boolean algebra. 3) To understand basics of Combinational Circuits and Sequential circuits. 4) To understand Semiconductor Memories

S.Y.BSc(Computer Science)

Class	Sr. No.	Sub Name	Outcomes
S.Y.BSc(Computer Science)	1	CS-211:Data Structures using 'C'	1) Students can now organize large amount of data. 2) They can now create different data structures. Like linked list, stack, queue etc. 3) They can solve different problems using data structure.
	2	CS-212: Relational Database Management System	1) Students are now able to create database for large system. 2) They understood the importance of DBMS. 3) They can maintain the security in large database.

			4) They understood importance of database in real life.
	3	CS-221:Object Oriented Concepts using C++	1) Students understood the concept of object oriented programming. 2) They can now implement concept like inheritance, polymorphism, data hiding in programs. 3) They understood importance of allocation and de-allocation of memory.
	4	CS-222:Software Engineering	1) They understood all phases of software development 2) They can create blue print of project 3) They are able to design different software's
	5	Suject Name : **Applied Algebra** Cousre code: : MTC 211	1)the students takes a sufficient knowledge of fundamental principles ,methods and a clear perception of innumerous power of mathematical ideas and tools and know how to use them by modeling ,solving and interpreting. 2) Reflecting the broad nature of the subject and developing mathematical tools for continuing further study in various fields of science. 3) A student take be able to recall basic facts about mathematics and should be able to display knowledge of conventions such as notations, terminology and recognize basic geometrical figures and graphical displays ,state important facts resulting from their studies. 4) A student takes relational understanding of mathematical concepts and concerned structures, and should be able to follow the patterns involved, mathematical reasoning.
		Suject Name: **Numerical Analysis** CousreCode:MTC 212	1) A student know the of history of mathematics and hence of its pastpresent and future role as part of our culture. 2) students develop a positive attitude towards mathematics as aninteresting and valuable subject of study.

			3)student prepare the mathematical models related to basic mathematics.
		Suject Name **:** **Computational Geometry** Cousre Code: MTC 221 Suject Name **:** **Operations Research** Cousre Code: MTC 222	1) A students apply their skills and knowledge ,that is, translate information presented verbally into mathematical form, select and use appropriate mathematical formulae or techniques in order to process the information and draw the relevant conclusion. 2) A student takes relational understanding of mathematical concepts and concerned structures, and should be able to follow the patterns involved, mathematical reasoning. 3)the students takes a sufficient knowledge of fundamental principles ,methods and a clear perception of innumerous power of mathematical ideas and tools and know how to use them by modeling ,solving and interpreting 1) A student takes relational understanding of mathematical concepts and concerned structures, and should be able to follow the patterns involved, mathematical reasoning. 2) students develop a positive attitude towards mathematics as aninteresting and valuable subject of study.
		Digital System Hardware	1. To study the applications of logic gates. 2. To use K-maps for digital circuit design. 3. To study and understand basics of microprocessors 4. To understand fundamentals of multicore technology.
		Analog Systems	1) To understand basics of analog electronics 2) To study different types of sensors 3) To understand different types of signal conditioning circuits 4) To learn data conversion techniques 5) To apply knowledge of analog systems in different applications

		The 8051 Architecture, Interfacing & Programming	1. To study the basics of 8051 microcontroller 2. To study the Programming and interfacing techniques of 8051 3. To apply knowledge of 8051 to design different application circuits 4. To introduce the basic concepts of advanced Microcontrollers
		Communication Principles	1. To understand basics of communication systems. 2. To understand modulation, demodulation and multiplexing of signals. 3. To understand digital communication techniques 4. To introduce concepts in advanced wireless communication

T.Y.BSc(Computer Science)

Class	Sr. No.	Sub Name	Outcomes
T.Y.BSc(Computer Science)	1	System Program ming (CS-331)	1) Student understood how the editor is designed 2) They knew how the linker and loader works 3) They understood what the assembler and microprocessor does. 4) They understood how the operating system is complex.
	2	Theoretical Computer Science (CS-332)	1) Student understood the use of finite automata , regular language. 2) They understood what the turing machine is ? 3) They understood the use of grammer in compiler construction.

	3	Computer Networks I (CS-333)	1) Students are now able to design the local network. 2) They understood how the communication takes place over network. 3) They understood the various layers and their roles in communication. 4) They understood importance of various protocols in communication.
	4	Internet Programming I (CS-334)	1) Student are able to write server side script using PHP 2) They can now design any website. 3) They can now handle database. 4) They are now familiar with file and directory structure.
	5	Programming in Java I (CS-335)	1) Student understood the concept of object oriented programming language. 2) They can now handle any kind of exception. 3) They can create different frames using swing and AWT. 4) They can handle various event in applet, frames. 5) They can perform various operations on string.
	6	Object Oriented Software Engineering (CS-336)	1) Students understood structural and behavioral modeling language. 2) They can draw different UML diagrams.
	7	Operating System (CS-341)	1) Student understood the algorithms of process mgmt. like FIFO, LRU, MFU etc. 2) They understood how the various process are scheduled. 3) They understood various memory mgmt. algorithms. 4) They understood how the files are managed in operating system.
	8	Compiler Construction (CS-342)	1) Student understood the use of lexical analyzer in compiling programs. 2) They understood the use of parser in programming 3) They understood the YACC concepts 4) They knew the concepts of memory mgmt. concepts.

	9	Computer Networks II (CS-343)	1) Students understood difference between wired and wireless network. 2) They understood various protocols which provides wired and wireless communication. 3) They understood the importance of cryptography in network security.
	10	Internet Programming II (CS-344)	1) Student understood technologies used at client side scripting. 2) They can now develop web pages using CSS, XML, and AJAX. 3) They can write script using java script. 4) They can develop dynamic web pages using AJAX.
	11	Programming in Java II (CS-345)	1) Student are now create database through java programming. 2) They can create games using threads. 3) They can create web pages using servlet, JSP.
	12	Computer Graphics (CS-346)	1) Students understood the uses of C programming in graphics design. 2) They understood the uses of mathematics and geometry concepts in graphics design. 3) They can now create a small game. Like bouncing ball game.