## B. Sc. (Comp. Sci.)

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	Subject Name	Course Outcomes
Code CSO1	Computor	Students will be able to:
CSOI	Computer Fundamentals	
	rundamentais	<ul> <li>Understand the concept of input and output devices of computers and how it works and recognize the basic terminology used in computer programming</li> </ul>
		• Equipped with the of basic computer hardware architecture and are able to
		design fundamental logic circuits.
		<ul> <li>Introduced five generations of computer system.</li> </ul>
		Thrust with concept and need of primary and secondary memory.
CS02-	DigitalElectroni	i Students will be able to:
	c	Understand the concept of Number System, Logic Gates, Boolean Laws,
		Theorems, flipflops and counter.
		<ul> <li>Use De Morgan's Theorem to simplify a negated expression.</li> </ul>
		• Create circuits to solve problems using gates to replicate all logic functions.
CSO4	Operating	Students will be able to:
	System I	• Notice the services provided by and the design of an operating system.
		Get knowledge of different types of operating system.
		Use different types of scheduling Algorithms.
		Introduced the concepts of deadlock.
CSO5	Programming	Students will be able to:
	in C	• Analyze a given problem and develop an algorithm to solve the problem.
		Design, develop and test programs written in 'C'
		• Use different data types in a computer program.
		Design programs involving decision structures, loops and functions.
		Differ one dimension and multidimensional array.
CS313	Practical Paper	Students will be able to:
		Create, Save, Copy, Delete, Organize various types of files.
		Manage the desk top in general, use a standard word.
		Design and implement binary Adder subtract or shift registers using Flip-
		flop
		• Implement the different scheduling algorithm.
		• Use the conditional expressions and looping statements to solve problems
		associated with conditions and repetitions.
		SYBSc
Course	Subject Name	Course Outcomes
Code		
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CSO7	Advance in C	Students will be able to:
	Programming	Understand a functional hierarchical code organization.
		Manage data structures based on problem subject domain.
		Work with textual information, characters and strings.
		Use concept of pointer and diff data conversion function.
		Work with different file handling function.
CSO8	Data Structure	Students will be able to:
		Understand concept of stack and linked list.
		Solve problems based upon different data structure & also write programs.
		Choose an appropriate data structure for a particular problem.
		Work with queue and link.
CS011	Programming in	Students will be able to:
	C++	Get knowledge of difference between object-oriented programming and
		procedural oriented language.
		• Do program using C++ features such as composition of objects, Operator
		overloading, inheritance, Polymorphism etc.
		Simulate the problem in the subjects like Operating system, Computer
		networks and real-world problems.
		Understand the concept of constructor and destructors.
CS012	DBMS Using	Students will be able to:
	SQL	Gain a good understanding of the architecture and functioning of database
		management systems as well as associated tools and techniques.
		Acquired Principles of data modeling using entity relationship and develop
		a good database design and normalization techniques to normalize a
		database.
		Understand the concept of functional dependency anomalies.
		Acquired a good understanding of database systems concepts and to be in a
		position touse and design databases for different applications.
CS813	Practical	Students will be able to:
	Paper- I	Identity the appropriate data structure for given problem
		Get practical knowledge on the application of data structures.
		Handle operations like insertion, deletion, searching and traversing on
		various data structures.
		• Design, implement, test, debug, and document programs in C.
		Program with pointers and arrays, perform pointer arithmetic, and use the
		preprocessor
		Design and implement Data structures and related algorithms.
CS914	Practical	Students will be able to:
	Paper-II	• Understand object-oriented concepts and how they are supported by C <sup>++</sup> .
		Use inheritance and Pointers when creating or using classes and create
		templates.

		Apply object-oriented programming features to program design and
		implementation.
		<ul> <li>Analyze, use, and create functions, classes, to overload operators.</li> </ul>
		<ul> <li>Gain knowledge about SQL Fundamentals.</li> </ul>
		Perform Unary & Binary table operations.
		<ul> <li>Normalize relation with 1NF 2NF and 3NF.</li> </ul>
		Draw E-R Diagram of different relation.  TYBSc
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Course	Subject Name	Course Outcomes
Code	C 64	
		Students will be able to:
	Engineering	Select and implement different software development process models.    Continue   C
		Extract and analyze software requirements specifications for different
		projects.
		Develop some basic level of software architecture/design.
		Define the basic concepts and importance of Software project management  agreements. A gility Process.
		concepts, Agility Process.
		Apply different principle that guide practice, Communication Principles,  Construction principles.
CC016	W-L D:	Construction principles.
CS016	Web Designing	Students will be able to:
		Understand, analyze basic of languages like HTML, DHTML, CSS.      The standard
		<ul> <li>Understand, analyze and create web pages using HTML, DHTML and Cascading Styles sheets.</li> </ul>
		Understand, analyze and build dynamic web pages using JavaScript.  Understand, analyze and build interaction and institute
		Understand, analyze and build interactive web applications.  Output  Description:
CC010	<b>D</b> 4	Student will be familiar with concepts of DOM.
		Students will be able to:
	Communication	Familiar with the basics of data communication.
	and Networking	71 1
		Understand different type of Transmission Media.
		Understand the fundamentals and various computational processing of
CC 020	D41 · 1	mobile networks.
		Students will be able to:
	Cyber Law	Identify and analyze statutory, regulatory, constitutional, and
		organizational laws that affect the information technology professional.
		Understand, Explore, And Acquire A Critical Understanding Cyber Law.      Critical Understanding Cyber Law.
		Get the role and function of certifying authorities.  **The state of the state
		Understand and follow professional ethics and responsibilities.
001:15		Understand the ethics of computer security and related issue.
		Students will be able to:
	Paper- I	Understand and demonstrate basic knowledge in software engineering.

		Identify requirements, analyze and prepare models.
		• Implement interactive web page(s) using HTML, CSS and JavaScript.
		<ul> <li>Design a responsive web site using HTML5 and CSS3.</li> </ul>
		<ul> <li>Analyze a web page and identify its elements and attributes.</li> </ul>
CS1513	Practical	Students will be able to:
	Paper-II	Apply critical and creative thinking in the design of projects.
	(Seminar and	Plan and manage time effectively as a team.
	Project)	Apply knowledge of the 'real world' situations that a professional engineer
		can encounter.
		Design and develop a functional product prototype while working in a team
		Orally present and demonstrate your product to peers, academics, general
		and industry community
		Manage any disputes and conflicts within and outside team.