

<b>Programme Specific Outcomes</b>	<b>BSc (Honors) Computer Science</b>  <b>PSO1:</b> Students will demonstrate proficiency in different computing paradigm needed for a proper understanding of computer science.  <b>PSO2:</b> Students will learn the design, and development of software used to solve problems in a variety of business, scientific and social contexts  <b>PSO3:</b> Students will demonstrate knowledge of computer networks, database systems, software engineering, and theory of computing, and be able to apply this knowledge to implement real-life tasks more efficiently.  <b>PSO4:</b> Students will show that they have learned different programming languages to enhance and increase the power of computers and internet  <b>PSO5:</b> Students will be capable of oral and written scientific communication and will prove that they can think critically and work independently.
<b>Course Outcomes</b>	<b>CSM 101/CSD101/:INTRODUCTION TO COMPUTER SCIENCE AND APPLICATIONS</b>  <b>CO1:</b> Understand the basics of computer science  <b>CO2:</b> Understand the basics of operating system and working knowledge of UNIX and WINDOWS operating systems  <b>CO3:</b> Understand the fundamental concepts of computer programming, languages and Algorithms  <b>CO4:</b> Understand the essential ideas of computer networks and internet  <b>CO5:</b> Appreciate the importance and develop an understanding of Database management systems  <b>CO6:</b> Develop the idea of Data compression of Audio and video streaming applications
	<b>CSM104 Seminar and Group Discussion</b>  <b>CO1:</b> Develop communication skills by presenting and debating on a technical topic related to various topics computer science

	<p><b>IOT101: Introduction to Computer Science, IOT and Applications</b></p> <p><b>CO1:</b> Understand the basics of computer science</p> <p><b>CO2:</b> Understand the basics of operating system and working knowledge of UNIX and WINDOWS operating systems</p> <p><b>CO3:</b> Understand the essential concepts of Database management systems and computer networks</p> <p><b>CO4:</b> Understanding the fundamentals of Internet of things and Its architecture</p> <p><b>CO5:</b> Understanding of IOT Protocols and IOT Applications</p>
	<p><b>CSM501: COMPUTER GRAPHICS</b></p> <p><b>CO1:</b> Understand the representation and manipulation of image data by a computer</p> <p><b>CO2:</b> Understand various technologies used to create and manipulate images</p> <p><b>CO3:</b> Understand the methods for digitally synthesizing and manipulating visual content</p> <p><b>CO4:</b> Appreciate the importance of mathematical concepts in computer graphics</p> <p><b>CO5:</b> Develop skill set that incorporates art, animation and design studies.</p>
	<p><b>CSM506: PROGRAMMING LAB</b></p> <p><b>CO1:</b> Acquire practical training in using computer graphics</p> <p><b>CO2:</b> Understand the techniques to create characters, and scenarios for video games and animated films</p> <p><b>CO3:</b> PLEASE DO INSERT YOUR PORTION</p>
	<p><b>CSM601: SOFTWARE ENGINEERING</b></p>

	<p><b>CO1:</b> Understand the basics of software</p> <p><b>CO2:</b> Study and apply engineering to the design, development, and maintenance of software</p> <p><b>CO3:</b> Understand the fundamentals of different software process models techniques to construct larger, and more complex software systems.</p> <p><b>CO4:</b> Understand the tools and techniques to perform the framework activities</p> <p><b>CO5:</b> Appreciate the importance of umbrella activities and learn the methods to analyse these</p> <p><b>CO6:</b> Develop the idea of team player and creative thinker</p>
	<p><b>CSM606: PROGRAMMING LAB</b></p> <p><b>CO1:</b> Acquire practical training in developing software</p> <p><b>CO2:</b> Understand working in systems development by analyzing first the needs of the user</p> <p><b>PLEASE DO INSERT YOUR PORTION</b></p>
	<p><b>CSM044: Engineering Enterprise Software Systems</b></p> <p><b>CO1:</b> Understand the Enterprise information systems. Software Architecture and Middleware architecture</p> <p><b>CO2:</b> Understand the fundamentals of Web services, SOAP, WSDL, DDL and Web service architecture.</p> <p><b>CO3:</b> Understand Restful Web services and Hypermedia Network programming</p> <p><b>CO4:</b> Understand the principles of Service oriented Architecture</p> <p><b>CO5:</b> Appreciate the importance of Design patterns and conceptual understanding of developing applications using different design</p>

	patterns.
	<p><b>CSM951: Advanced Algorithms</b></p> <p><b>CO1:</b> Study of the advanced data structures such as Self Adjustment trees, Persistence and multidimensional trees, R-B trees, B-trees, Disjoint set forest, Binomial Heap, Fibonacci Heap and Interval trees</p> <p><b>CO2:</b> Understand Randomized algorithms, String matching algorithms and Dynamic programming</p> <p><b>CO3:</b> Understand Geometric and Graph algorithms</p> <p><b>CO4:</b> Study of approximation algorithms, Parallel algorithms, local search strategies and Linear programming techniques</p> <p><b>CO5:</b> Understanding NP Completeness and polynomial reductions</p>
	<p><b>CSM 961: Self Study</b></p> <p><b>CO1:</b> Allow students to explore an area of their interest. Some of the areas could be Soft Computing, Internet technologies, Machine Learning, Physics of Consciousness, VLSI and Evolutionary and Swarm Intelligent Algorithms.</p>
	<p><b>CSM003: TECHNICAL WRITING &amp; PRESENT. SKILLS</b></p> <p>C01: Understand the elementary rules of usage: possessive singular of nouns, conjunctions, commas, parenthetic expressions, independent clauses etc.</p> <p>C02: Understand the elementary Principles of composition: paragraphing, active voice, positive form, tightening of sentences, expression or coordinate ideas, writing summaries, emphasis</p> <p>C03: Ability to writing research papers: organization and sectioning, summary, conclusions, referencing style, diagrams, presentation, what goes into the paper, using the LaTeX typesetting system</p> <p>C04: Ability to create qualitative presentations: planning a presentation, slide layout, number of slides, content, styles of presentation, target audience, fielding questions. Practicing speaking skills.</p> <p>C05: Ability to improve vocabulary. Improving listening comprehension skills, audio resources.</p>

