

## COURSE OUTCOMES

<b>MSC Computer Science</b>	
<b>SEM-I</b>	
<b>PAPER 1</b> <b>Course Title:</b> Analysis of Algorithms and Researching Computing <b>Course Code:</b> PSCS101	
CO1	Ability to Analysis of Algorithms and Researching Computing
CO2	To develop the ability to explore Advanced Design and Analysis Techniques
<b>PAPER 2</b> <b>Course Title:</b> Advanced Networking Concepts <b>Course Code:</b> PSCS102	
CO1	Ability to Advanced Networking Concepts
CO2	Basic understanding of Network Virtualization
<b>PAPER 3</b> <b>Course Title:</b> Free Advanced Database Systems <b>Course Code:</b> PSCS103	
CO1	Analyze the functional and performance requirements of a data-intensive system
CO2	Evaluate the performance characteristics of a software system
<b>PAPER 4</b> <b>Course Title:</b> Robotics and Artificial Intelligence <b>Course Code:</b> PSCS104	
CO1	Basic concepts of Robotics and Artificial Intelligence
CO2	Identify Sonar, Lasers and Cameras, Languages for Programming Robot:
<b>SEM-II</b>	
<b>PAPER 1 :</b> <b>Course Title:</b> Advanced Operating Systems <b>Course Code:</b> PSCS201	
CO1	review research on systems programming techniques and operating systems design
CO2	show how the operating system infrastructure might evolve to address the challenges of supporting modern computing systems
<b>PAPER 2</b> <b>Course Title:</b> Design and implementation of Modern Compilers <b>Course Code:</b> PSCS202	
CO1	shows the <i>implementation</i> of a linear spline interpolation method in the Interpolate()
CO2	Basic understanding of Automatic Construction of Efficient Parsers
<b>PAPER 3</b> <b>Course Title:</b> Track A: Cloud Computing <b>Course Code:</b> PSCS2031	
CO1	<b>Cloud Computing</b> is considered one of the top five emerging technologies that will have a major impact on the quality of science and society
CO2	It provides a way to centralize the setup, implementation, maintenance, and management of integrated computation <b>services</b> to individual and corporate end users.
<b>PAPER 4</b> <b>Course Title:</b> Business Intelligence and Big Data Analytics <b>Course Code:</b> PSCS2041	
CO1	Basic concepts of Business Intelligence and Big Data Analytics
CO2	The benefits may include more effective marketing, new revenue opportunities, customer personalization and improved operational efficiency.
<b>SEM-III</b>	
<b>PAPER 1 :</b> <b>Course Title:</b> Ubiquitous Computing <b>Course Code:</b> PSCS 301	
CO1	Understand the role of evaluation at the various design stages and the key evaluation techniques used in ubiquitous computing.
CO2	Analyse an existing infrastructure for Ambient Intelligence from the perspective of the key design approaches.
<b>PAPER 2</b> <b>Course Title:</b> Social Network Analysis <b>Course Code:</b> PSCS 302	
CO1	students will be able to: Understand a broad range of <b>network</b> concepts and theories

CO2	Appreciate how <b>network analysis</b> can contribute to increasing knowledge about diverse aspects of society.
<b>PAPER 3</b> <b>Course Title:</b> Cloud Computing –II <b>Course Code:</b> PSCS 3031	
CO1	Understand the importance of virtualization in distributed <b>computing</b> and how this has enabled the development of <b>Cloud Computing</b>
CO2	Analyze the performance of <b>Cloud Computing</b> .
<b>PAPER 4</b> <b>Course Title:</b> Business Intelligence and Big Data Analytics –II <b>Course Code:</b> 3033	
CO1	Have a good understanding of the fundamental issues and challenges of <b>machine learning</b> : data, model selection, model complexity
CO2	Appreciate the underlying mathematical relationships within and across Machine Learning algorithms and the paradigms of supervised and un-supervised learning
<b>SEM-IV</b>	
<b>PAPER 1 :</b> <b>Course Title:</b> Simulation and Modeling <b>Course Code:</b> PSCS 401	
CO1	student will know the most common model classes, and have knowledge of some central model properties that are useful for control systems, and know principles for, and have some practical exposure of, high level modeling tools
CO2	Understand the basics of the Newton method for implicit methods
<b>PAPER 2</b> <b>Course Title:</b> Cloud Computing –III <b>Course Code:</b> PSCS 4021	
CO1	Apply the fundamental concepts in datacenters to understand the tradeoffs in power, efficiency and cost
CO2	Identify resource management fundamentals, i.e. resource abstraction, sharing and sandboxing and <b>outline</b> their role in managing infrastructure in <b>cloud computing</b> .
<b>PAPER 3</b> <b>Course Title:</b> Business Intelligence and Big Data Analytics –III <b>Course Code:</b> PSCS 4023	
CO1	Design tested and effective advanced <b>analytics</b> models and simulations for decision making. Construct <b>data</b> models and prototypes needed to gain stakeholder support or achieve <b>business objective</b>
CO2	Organize <b>big data</b> sets into meaningful structures, incorporating <b>data</b> profiling and quality standards
<b>PAPER 4</b> <b>Course Title:</b> Machine Learning –III <b>Course Code:</b> PSCS 4024	
CO1	Machine Learning is a mathematical discipline, and students will benefit from a good background in probability, linear algebra and calculus,
CO2	Be able to design and implement various machine learning algorithms in a range of real-world applications.
<b>PRACTICAL:</b> <b>Course Title:</b> Simulation & Modeling and Specialization <b>Course Code:</b> PSCSP7	
CO1	Student to Design and develop agent based mode
CO2	Student to learn private cloud using an open source technology.
CO3	Student to Learn Stack Programming in cloud