Semester – I	
Course name	Course Outcome
Research in Computing (PSIT101)	● To be able to conduct business research with an understanding of all the latest theories. ● To develop the ability to explore research techniques used for solving any real world or innovative problem.
Data Science (PSIT102)	● Develop in depth understanding of the key technologies in data science and business analytics: data mining, machine learning, visualization techniques, predictive modeling, and statistics. ● Practice problem analysis and decision-making. ● Gain practical, hands-on experience with statistics programming languages and big data tools through coursework and applied research experiences.◎
Cloud Computing (PSIT103)	CO1-To learn how to use Cloud Services. C02-To implement Virtualization. C03-To implement Task Scheduling algorithms. C04-Apply Map-Reduce concept to applications. C05-To build Private Cloud.
Soft Computing Techniques (PSIT104)	● To understand the Soft computing concepts like fuzzy logic, neural networks and genetic algorithm ● To find optimistic decisions by neural networks. ● To monitor the decision making in a dynamic system. ● to understand the designing of intelligent systems in Artificial Intelligence
Semester – II	
Big Data Analytics (PSIT201)	● To provide an overview of an exciting growing field of big data analytics. ● To introduce the tools required to manage and analyze big data like Hadoop, NoSql MapReduce. ● To teach the fundamental techniques and principles in achieving big data analytics with scalability and streaming capability. ● To enable students to have skills that will help them to solve complex real world problems in decision support.

Modern Networking (PSIT202)	● To understand the state-of-the-art in network protocols, architectures and applications. ● Analyze existing network protocols and networks. ● Develop new protocols in networking. ● To understand how networking research is done. ● To investigate novel ideas in the area of Networking via term-long research projects.
Micro services Architecture (PSIT203)	● Gain a thorough understanding of the philosophy and architecture of Web applications using ASP.NET Core MVC;◎◎ ● Gain a practical understanding of.NET Core;◎ ● Acquire a working knowledge of Web application development using ASP.NET Core MVC 6 and Visual Studio◎ ● Persist data with XML Serialization and ADO.NET with SQL Server ● Create HTTP services using ASP.NET Core Web API. ● Deploy ASP.NET Core MVC applications to the Windows Azure cloud.
Image Processing (PSIT204)	● Review the fundamental concepts of a digital image processing system. ● Analyze images in the frequency domain using various transforms. ● Evaluate the techniques for image enhancement and image restoration. ● Categorize various compression techniques. ● Interpret Image compression standards. ● Interpret image segmentation and representation techniques.
Semester – III	
Technical Writing and Entrepreneurship Development (PSIT301)	● CO1: Develop technical documents that meet the requirements with standard guidelines. Understanding the essentials and hands-on learning about effective Website Development. ● CO2: Write Better Quality Content Which Ranks faster at Search Engines. Build effective Social Media Pages. ● CO3: Evaluate the essentials parameters of effective Social Media Pages. ● CO4: Understand importance of innovation and entrepreneurship. ● CO5: Analyze research and development projects.
Applied Artificial Intelligence (PSIT302a)	● CO1: be able to understand the fundamentals concepts of the expert system and its applications. ● CO2: be able to use probability and the concept of fuzzy sets for solving AI based problems. ● CO3: be able to understand the applications of Machine Learning. The learner can also apply a fuzzy system for solving problems. ● CO4: learner will be able to apply to understand the applications of genetic algorithms in different problems related to artificial intelligence.

	● CO5: A learner can use knowledge representation techniques in natural language processing.
Cloud Management (PSIT302c)	● CO1: Understand the concepts of VMM, SDN, NAS , HyperV etc. ● CO2: Understand and demonstrate the use of Service manager with various deployments that can be performed using it. ● CO3: Understand SCCM and Demonstrate the use of Configuration Manager ● CO4: Understand automation with runbooks and demonstrate the use of Windows Orchestrator ● CO5: Understand and demonstrate the use of Data Protection Manager
Offensive Security (PSIT304d)	● CO1: Understand basic security issues in cloud, IoT etc. ● CO2: Understand different security techniques and policies ● CO3: Use Vulnerability assessment and exploitation tool ● CO4: Analyze the network perform reconnaissance and enumerate the target to detect vulnerabilities ● CO5: Perform offensive tests using Metasploit on various application, generating payloads etc.
Semester – IV	
Blockchain (PSIT401)	To provide conceptual understanding of the function of Blockchain as a method of securing distributed ledgers, how consensus on their contents is achieved, and the new applications that they enable. · To cover the technological underpinnings of blockchain operations as distributed data structures and decision-making systems, their functionality and different architecture types. · To provide a critical evaluation of existing "smart contract" capabilities and platforms, and examine their future directions, opportunities, risks and challenges
Natural Language Processing	● CO1: Students will get ideas about know-hows, issues and challenges in Natural Language Processing and NLP applications and their relevance in the classical and modern context.

(PSIT402a)	• CO2: Students will get an understanding of Computational techniques and approaches for solving NLP problems and develop modules for NLP tasks and tools such as Morph Analyzer, POS tagger, Chunker, Parser, WSD tool etc. • CO3: Students will also be introduced to various grammar formalisms, which they can apply in different fields of study. • CO4: Students can take up project work or work in R&D firms working in NLP and its allied areas. • CO5: Student will be able to understand applications in different sectors
Server Virtualization on VMWare Platform **(PSIT403c)**	• CO1: Understand VMWare VSphere 67, Install ESXi and Configure VSphere Centre • CO2: Demonstrate the use of VSphere Update Manager and Create a VSphere Network • CO3: Understand VSphere Security, Create and configure storage devices and Perform configurations to ensure business continuity • CO4: Demonstrate Resource allocation, Creating and managing virtual machine and the use of templates • CO5: Understand automation of vSphere and manage resource allocation
Information Security Auditing **(PSIT404d)**	• CO1: Understand various information security policies and process flow, Ethics of an Information security Auditor. • CO2: Understand various information systems in an organization, their criticality and various governance and management policies associated with them. • CO3: Critically analyse various operational strategies like asset management, data governance etc. and suggest requisite changes as per organizations requirements with improvements. • CO4: Understand the information flow across the organization and identify the weak spots, and also suggest improvements to strengthen them. • CO5: Come up with strong strategies to protect information assets and come up with an efficient business continuity plan, disaster recovery strategy etc.