COURSE OUTCOMES

MSC Information Technology	
SEM-I	
PAPER 1	**Course Title:** Research in Computing **Course Code:** PSIT101
CO1	solve real world problems with
CO2	To develop the ability to explore research techniques used for solving any real world or innovate problem.
PAPER 2	**Course Title:** Data Science **Course Code:** PSIT102
CO1	Ability to apply IT in the field of Computational Research, Soft Computing, Big Data Analytics, Data Science, Image Processing, Artificial Intelligence, Networking and Cloud Computing
CO2	Basic understanding of statistics
PAPER 3	**Course Title:** Cloud Computing **Course Code:** PSIT103
CO1	To learn how to use Cloud Services.
CO2	Broadly educate to know the impact of engineering on legal and societal issues involved.
PAPER 4	**Course Title:** Soft Computing Techniques **Course Code:** PSIT104
CO1	Basic concepts of Artificial Intelligence. Knowledge of Algorithms
CO2	Soft computing concepts like fuzzy logic, neural networks and genetic algorithm, where Artificial Intelligence is mother branch of all..
PRACTICAL:	**Course Title:** Research in Computing **Course Code:** PSIT1P1
CO1	solve real world problems
CO2	develop analytical skills by applying scientific methods
PRACTICAL:	**Course Title** Data Science **Course Code:** PSIT1P2
CO1	Gain practical, hands-on experience with statistics programming anguages and big data tools
CO2	Practice problem analysis and decision-making
PRACTICAL:	**Course Title** Cloud Computing **Course Code:** PSIT1P3
CO1	To implement Virtualization.
CO2	To build Private Cloud
PRACTICAL:	**Course Title:** Soft Computing Techniques **Course Code:** PSIT1P4
COL1	Identify and describe soft computing techniques and their roles in building intelligent machines
COL2	Apply fuzzy logic and reasoning to handle uncertainty and solve engineering problems
SEM-II	
PAPER 1 :	**Course Title:** Big Data Analytics **Course Code:** PSIT201
CO1	To teach the fundamental techniques and principles in achieving big data analytics with scalability and streaming capability
CO2	To enable students to have skills that will help them to solve complex realworld problems in for decision support.
PAPER 2	**Course Title:** Modern Networking Compilers **Course Code:** PSIT202
CO1	To understand the state-of-the-art in network protocols, architectures and applications
CO2	Develop new protocols in networking
PAPER 3	**Course Title:** Microservices Architecture **Course Code:** PSIT203
CO1	Develop web applications using Model View Control..

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CO2	Create MVC Models and write code that implemeNT.
PAPER 4	**Course Title:** Image Processing **Course Code:** PSIT204
CO1	Understand the relevant aspects of digital image representation and their practical implications.
CO2	Understand 2-D convolution, the 2-D DFT, and have the abitilty to design systems using these concepts
PRACTICAL:	**Course Title:** Big Data Analytics **Course Code:** PSIT2P1
CO1	Acquire fundamental enabling techniques and scalable algorithms like Hadoop, Map Reduce and NO SQL in big data analytics.
CO2	Interpret business models and scientific computing paradigms, and apply software tools for big data analytics
CO3	Achieve adequate perspectives of big data analytics in variousapplications like recommender systems, social media applications etc.
PRACTICAL:	**Course Title:** Modern Networking **Course Code:** PSIT2P2
CO1	Demonstrate in-depth knowledge in the area of Computer Networking
CO2	To demonstrate scholarship of knowledge through performing in a group to identify, formulate and solve a problem related to Computer Networks
PRACTICAL:	**Course Title:** Microservices Architecture **Course Code:** PSIT2P3
CO1	Develop web applications using Model View Control.
CO2	Create MVC Models and write code that implements business logic within Model methods, properties, and events.
PRACTICAL:	**Course Title:** Image Processing **Course Code:** PSIT2P4
CO1	Understand the relevant aspects of digital image representation and their practical implications.
CO2	Understand 2-D convolution, the 2-D DFT, and have the abitilty to design systems using these concepts.
SEM-III	
PAPER 1 :	**Course Title:** Technical Writing and Entrepreneurship Development **Course Code:** 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
PAPER 2	**Course Title:** Cloud Application Development **Course Code** PSIT302c
CO1	To develop and deploy Microservices for cloud
CO2	To understand Kubernetes and deploy applications on Azure Kubernetes Service
PAPER 3	**Course Title:** Cloud Management **Course Code:** PSIT303c
CO1	Different CPU, Memory And I/O Virtualization Techniques That Serve In Offering Software, Computation
CO2	Cloud Storage Technologies And Relevant Distributed File Systems, Nosql Databases And Object Storage;.
PAPER 4	**Course Title:** Data Center Technologies **Course Code:** PSIT304c
CO1	Identify important requirements to design and support a data center.
CO2	Determine a data center environment's requirement including systems and network architecture as well as services.

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PRACTICAL: Course Title: Project Documentation **Course Code:** PSIT3P1	
CO1	The learners are expected to develop a project beyond the undergraduate level. Normal web sites, web applications, mobile apps are not expected
CO2	The learner is supposed to prepare the synopsis and documentation
PRACTICAL: Course Title: Cloud Application Development **Course Code:** PSIT3P2c	
COL1	Develop the Microservices for cloud and deploy them on Microsoft Azure.
COL2	Understand and build the DevOps way.
PRACTICAL: Course Title: Cloud Management **Course Code:** PSIT3P3c	
CO1	Understand the concepts of VMM, SDN, NAS , HyperV etc.
CO2	Understand SCCM and Demonstrate the use of Configuration Manager
PRACTICAL: Course Title: Data Center Technologies **Course Code:** PSIT3P4c	
CO1	Understand basic concepts in Virtualization
CO2	Understand Data center Migration and Fabric Building
SEM-IV	
PAPER 1 : Course Title: Blockchain **Course Code:** PSIT4P1	
CO1	The students would understand the structure of a blockchain and why/when it is better than a simple distributed database
CO2	Analyze the incentive structure in a blockchain based system and critically assess its functions, benefits and vulnerabilities
PAPER 2 Course Title: Cyber Forensics **Course Code:** PSIT402d	
CO1	Investigate the cyber forensics with standard operating procedures.
CO2	Recover the data from the hard disk with legal procedure.
PAPER 3 Course Title: Server Virtualization on VMWare Platform **Course Code:** PSIT403c	
CO1	Identify the need for Server Virtualization
CO2	Describe how VMware's products help solve business and technical challenges with regard to Server Virtualization
PAPER 4 Course Title: Storage as a Service **Course Code:** PSIT404c	
CO1	Study storage technologies: SAN, NAS, IP storage etc., which will bridge the gap between the emerging trends in industry and academics
CO2	Study and understand the management of Storage Networks
PRACTICAL: Course Title: Blockchain **Course Code:** PSIT	
CO1	Understand what constitutes a "smart" contract, what are its legal implications and what it can and cannot do, now and in the near future
CO2	The students would understand the structure of a blockchain and why/when it is better than a simple distributed database.
CO3	Develop blockchain DApps.
PRACTICAL: Course Title: Cyber Forensics **Course Code:** PSIT4P2d	
CO1	Able to investigate internet frauds done through various gadgets like mobile, laptops, tablets and become a forensic investigator.
CO2	Acquire the knowledge of network analysis and use it for analysing the internet attacks
PRACTICAL: Course Title: Server Virtualization on VMWare Platform **Course Code:** PSIT4P3c	
CO1	Understand VMWare VSphere 67, Install ESXi and Configure VSphere Centre
CO2	Demonstrate the use of VSphere Update Manager and Create a VSphere Network
PRACTICAL: Course Title: Storage as a Service **Course Code:** PSIT404c	
CO1	Understand different techniques of storage and RAID Technologies

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CO2	Understand different intelligent storage technologies. Also, understand the benefits of Fibre Channel Storage Networks along with iSCSI.