M.Sc (I.T.)SEMESTER_II
SUBJECT: PRACTICALS
BIG DATA ANALYTICS (PSIT2P1)

Sr.No	COURSE OBJECTIVES	LEARNING OUTCOMES
1.	Learn to process the massive amounts of data we need more effective algorithms.	Data Analytics application such as structured statistical and mathematical techniques are studied
2.	To provide an overview of an exciting growing field of big data analytics.	Understand the key issues in big data management and its associated applications in intelligent business and scientific computing.
3.	To introduce the tools required to manage and analyze big data like Hadoop, NoSql MapReduce.	Acquire fundamental enabling techniques and scalable algorithms like Hadoop, Map Reduce and NO SQL in big data analytics.
4.	To learn multiple regression model.	Able to analyse business data using regression model.
5.	To learn classification techniques	Using various classification techniques such as SVM, decision tree data can be classified. Even unstructured and semi structured data like text, Images and trees are classified using these methods.

SUBJECT: PRACTICALS
MODERN NETWORKING(PSIT2P2)

Sr.No	COURSE OBJECTIVES	LEARNING OUTCOMES
1.	To introduce the student to the major concepts involved in wide-area networks (WANs), local area networks (LANs) and Wireless LANs (WLANs).	Evaluate the challenges in building networks and solutions to those
2.	To study MPLS, VRF,SDN	Point to point connectivity of network is studied. Virtual routing and forwarding is studied.

3.	To learn working of Tracking and Path Control Topology	Configure IP SLA **Tracking and Path Control**
4.	To learn Configuring IBGP and EBGP Sessions	establish point-to-point connections between peer autonomous systems (ASs), you configure a BGP session on each interface of a point-to-point link.

M.Sc (I.T.)SEMESTER_II
SUBJECT: PRACTICALS
Microservices Architecture (PSIT2P3)

Sr.No	COURSE OBJECTIVES	LEARNING OUTCOMES
1.	To learn APT.NET Core MVC Application	Improved Performance. The most obvious and important **benefit** of ASP.**NET Core**
2.	To learn Working with Docker, Docker Commands, Docker Images and Containers	Understand and study software such as **Docker** is an open platform for developing, shipping, and **running** applications.
3.	To learn Docker Swarm	**Studied tool such as Docker swarm** .This is a container orchestration tool, meaning that it allows the user to manage multiple containers deployed across multiple host machines
4.	To learn Circle CI	Use of Circle CI for continuous integration. The **CircleCI** Enterprise solution is installable inside your private cloud or data centre and is free to try for a limited time.

M.Sc (I.T.)SEMESTER_II
SUBJECT: PRACTICALS
IMAGE PROCESSING (PSIT2P4)

Sr.No	COURSE OBJECTIVES	LEARNING OUTCOMES
1.	To understand MATLAB	MATLAB is studied
2.	Required elements to create an image	calculate number of samples required for an image. Learned to gain resolution of an image.

3.	How to do IMAGE ENHANCEMENT	Intensity transformation and Spatial Filtering for image enhancement.
4.	Intensity Transformation functions	Image negation , threshold on an image, Log transformation , Power-law transformations
5.	Study of filters	Filters are studied for smoothing of picture Low pass and high pass band filters