M.Sc (I.T.)SEMESTER_III
SUBJECT: PRACTICALS
PROJECT DOCUMENTATION AND VIVA (PSIT3P1)

Sr.No	COURSE OBJECTIVES	LEARNING OUTCOMES
1.	Recognize The Requirements For The Research Proposed System	Identify technically and economically feasible problems of social relevance
2.	Select Model For The Project.	Identify and survey the relevant literature for getting exposed to related solutions
3.	Utilize The Project Management Concepts.	Analyse, design and develop adaptable and reusable solutions of minimal complexity by using modern tools
4.	Make An Environment Sustainable Project.	Implement and test solutions to trace against the user requirements
5.	Test And Implement The Model Developed	Deploy and support the solutions for better manageability of the solutions and provide scope for improvability

M.Sc (I.T.)SEMESTER_III
SUBJECT: PRACTICALS
CLOUD APPLICATION DEVLOPMENT (PSIT3P2c)

Sr.No	COURSE OBJECTIVES	LEARNING OUTCOMES
1.	To Infer Elements Of Parallel Computing.	Develop an ASP.NET Core MVC based Stateless Web App and Develop a Spring Boot API.
2.	To Inspect Pros And Cons Of Virtualization.	Create an ASP.NET Core Web API and configure monitoring and Create an Azure Kubernetes Service Cluster
3.	To Prioritize Cloud Reference Model.	Create an Application Gateway Using Ocelot and Securing APIs with Azure AD and Create a database design for Microservices an application using the database.
4.	To Construct Distributed Applications Using Aneka Architecture. And Utilize The Applications Of Cloud Computing.	Create a serverless API using Azure functions,Create an AWS Lambda function And Build AWS Lambda with AWS API gateway

M.Sc (I.T.)SEMESTER_III
SUBJECT: PRACTICALS
Machine Learning (PSIT3P3a)

Sr.No	COURSE OBJECTIVES	LEARNING OUTCOMES
1.	To introduce the prominent methods for machine learning	Design a simple machine learning model to train the training instances and test the Same and Implement and demonstrate the FIND-S algorithm for finding the most specific hypothesis based on a given set of training data samples. Read the training data from a .CSV file
2.	To study the basics of supervised and unsupervised learning	Perform Data Loading, Feature selection (Principal Component analysis) and Feature Scoring and Ranking.
3.	To study the basics of connectionist and other architectures	Implement the naïve Bayesian classifier for a sample training data set stored as a .CSV file and Compute the accuracy of the classifier, considering few test data sets.Student's implement Decision Tree and Random forest with Prediction, Test Score and Confusion Matrix.
4.	To Implement the different Distance methods (Euclidean) with Prediction, Test Score and Confusion Matrix.	Perform Text pre-processing, Text clustering, classification with Prediction, Test Score and Confusion Matrix

M.Sc (I.T.)SEMESTER_III
SUBJECT: PRACTICALS
OFFENSIVE SECURITY (PSIT3P4d)

Sr.No	COURSE OBJECTIVES	LEARNING OUTCOMES
1.	To Develop code for classical Encryption Techniques to solve the problems.	Installation and preparing the lab ready Virtual or physical machine with Kali Linux. Exploring and getting acquainted with he other operating distributions used for offensive security testing mainly
2.	Construct code for authentication algorithms	Exploring the command line arguments
3.	How to Demonstrate the network	Using NETCAT Socat,PowerShell,

	security system using open source tools	Powercat ,Wireshark and Tcpdump
4.	Interpret the findings with appropriate technological / research citation	Implement Web Application Assessment Tools
5.	Perform task as an individual and / or team member to manage the task in time	Implement Password Attacks and Port Redirection and Tunneling