Fabtech Technical Campus College of Engineering Sangola

Department of Artificial Intelligence & Data Science

TY B. Tech SEM-V

Sr. No.	Subject		CO Statement
1.	Computer Network and Cloud Computing (BTAIC501)	CO1	Analyze the requirements for a given organizational structure and select the most appropriate networking architecture and technologies
		CO2	Specify and identify deficiencies in existing protocols, and then go onto select new and better protocols.
		CO3	Have a basic knowledge of installing and configuring networking applications
		CO4	Understand the different cloud computing environments
		CO5	Apply concepts of virtualization and various cloud services to design, develop and deploying cloud applications.
2	Machine Learning (BTAIC502)	CO1	Develop a good understanding of fundamental principles of machine learning
		CO2	Formulation of a Machine Learning problem.
		CO3	Develop a model using supervised/unsupervised machine learning algorithms for classification/prediction/clustering .
		CO4	Evaluate performance of various machine learning algorithms on various data sets of a domain.
		CO5	Design and Concrete implementations of various machine learning algorithms to solve a given problem using languages such as Python .
3	Business Communication (BTAIHM503B)	CO1	Study of business
		CO2	Understand Intercultural Communication
		CO3	Aware Barriers to Communication
		CO4	Study of Interpersonal Communication
		CO5	Understand Negotiation and Conflict Management
4	Advanced Database System (BTAIPE504A)	CO1	Summarize the basic concept of Data base System.
		CO2	Understand relational database models.
		CO3	Demonstrate working of advanced SQL.
		CO4	Understand data warehousing and mining concepts.
		CO5	Understand the advanced transaction

			processing.
5	Advanced Java (BTAIPE504D)	CO1	Design and develop GUI applications using Applets
		CO2	Apply relevant AWT/ swing components to handle the given event.
		CO3	Learn to access database through Java programs, using Java Database Connectivity (JDBC)
		CO4	Learn to access database through Java programs, using Java Database Connectivity (JDBC)
		CO5	Develop program for client /server communication using Java Networking classes.
6	Software Engineering and Testing (BTAIOE505C)	CO1	To use the techniques, skills, and modern engineering tools necessary for engineering practice.
		CO2	To design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
		CO3	To apply software testing knowledge and its processes to software applications.
		CO4	To identify various software testing problems and solving software testing problems by designing and selecting software test models, criteria, strategies and methods.
		CO5	To apply the techniques learned to improve the quality of software development.
7	Machine Learning Lab and Competitive Programming Lab (BTAIL406)	CO1	Analyze the requirements for a given organizational structure and select the most appropriate networking architecture and technologies
		CO2	Specify and identify deficiencies in existing protocols, and then go onto select new and better protocols.
		CO3	Have a basic knowledge of installing and configuring networking applications
		CO4	Develop a model using supervised/unsupervised machine learning algorithms for classification/prediction/clustering .
		CO5	Evaluate performance of various machine learning algorithms on various data sets of a domain.
8	Mini Project-I (BTAIM507)	CO1	Students will be able to practice acquired knowledge within the chosen area of

			technology for project development.
		CO2	Identify, discuss and justify the technical aspects of the chosen project with a comprehensive and systematic approach
		CO3	Reproduce, improve and refine technical aspects for engineering projects.
		CO4	Work as an individual or in a team in development of technical projects.
		CO5	Communicate and report effectively project related activities and findings.