

Fabtech Technical Campus College of Engineering Sangola

Department of Artificial Intelligence & Data Science

TY B. Tech SEM-VI

Sr. No.	Subject	CO Statement	
1.	Deep Learning (BTAIC601)	CO1	Implement deep learning models in Python using the Keras/PyTorch library and train them with real-world datasets.
		CO2	Design convolution networks for image classification.
		CO3	Perform regularization, training optimization, and hyper-parameter selection on deep models.
		CO4	Design Recurrent Neural Networks for text and sequence classification.
		CO5	Apply Generative Deep Learning for Generating images.
2	Advanced Machine Learning (BTAIC602)	CO1	Develop a good understanding of fundamental of unsupervised learning.
		CO2	Formulation of Association Rules Mining and Recommendation Systems.
		CO3	Interpret a model using Reinforcement Learning.
		CO4	Evaluate the time series data.
		CO5	Design and Concrete implementations using boosting.
3	Recommender System (BTAIPE603B )	CO1	Understand the need and challenges of Recommended Systems.
		CO2	Apply Collaborative Filtering for recommendation.
		CO3	Develop content based recommendation system.
		CO4	Develop time location based recommendation system.
		CO5	Evaluate recommended system using different metric.
4	Web Development ( BTAIPE603D )	CO1	Implement and analyze behavior of web pages using HTML and CSS.
		CO2	Apply the client-side technologies for web development.
		CO3	Analyze the concepts of Servlet and JSP.
		CO4	Analyze the Web services and frameworks.
		CO5	Apply the server side technologies for web development.
5	Cryptography & Network Security	CO1	Understand basic cryptographic algorithms, message and web authentication and security

	( BTAIOE604B )		issues.
		CO2	Ability to identify information system requirements for both of them such as client and server.
		CO3	Ability to understand the current legal issues towards information security.
		CO4	Develop transport level security.
		CO5	Apply knowledge for develop model.
6	Development Engineering ( BTAIHM605A )	CO1	Improve the skills of development engineering.
		CO2	Get the knowledge of world poverty and development.
		CO3	Aware about social justice.
		CO4	Apply development strategies.
		CO5	Understand engineering for sustainable community development
7	Deep Learning Lab and Advanced Machine Learning Lab (BTAIL606)	CO1	Perform regularization, training optimization, and hyper-parameter selection on deep models.
		CO2	Design Recurrent Neural Networks for text and sequence classification.
		CO3	Apply Generative Deep Learning for Generating images.
		CO4	Formulation of Association Rules Mining and Recommendation Systems.
		CO5	Interpret a model using Reinforcement Learning.
8	Mini Project-II (BTAIM607)	CO1	Establish motivation for any topic of interest and develop a thought process for technical presentation.
		CO2	Organize a detailed literature survey and build a document with respect to technical publications.
		CO3	Analysis and comprehension of proof-of-concept and related data.
		CO4	Effective presentation and improve soft skills.