



VIGNAN'S INSTITUTE OF MANAGEMENT AND TECHNOLOGY FOR WOMEN

[Sponsored by Lavu Educational Society]

(Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad.)

Kondapur (V), Ghatkesar (M), Medchal - Malkajgiri (D) - 501 301 Phone: +91 96529 10002/3



Department of CSE (Artificial Intelligence & Machine Learning)

III B.Tech II Semester

Subject : AM601PC Knowledge Representation and Reasoning

CO	Course Outcome (CO) Statement
CO1	Analyze and design knowledge-based systems intended for computer implementation.
CO2	Acquire theoretical knowledge about principles for logic-based representation and reasoning.
CO3	Ability to understand knowledge-engineering process
CO4	Ability to implement production systems, frames, inheritance systems and approaches to handle uncertain or incomplete knowledge.
CO5	Able to Demonstrate Fuzzy logic, Nonmonotonic Logic, Theories, Models and the world, Semiotics Knowledge Acquisition and Sharing

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	3	2	2					1		1	3	3	2
CO2	3	3	2	2	1							1	3	2	2
CO3	3	3	2	2	1					1		1	3	3	2
CO4	3	3	3	3	2							1	3	3	3
CO5	3	3	2	2	1	1		1		1		2	3	3	3
AVERAGE	3.0	3.0	2.4	2.2	1.4	1.0		1.0		1.0		1.2	3.0	2.8	2.4
GE	0	0	0	0	0	0		0		0		0	0	0	0

Subject : AM602PC Data Analytics

CO	Course Outcome (CO) Statement
CO1	Understand the impact of data analytics for business decisions and strategy
CO2	Carry out data analysis/statistical analysis
CO3	To carry out standard data visualization and formal inference procedures
CO4	Design Data Architecture
CO5	Understand various Data Sources

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	2	2	2								3	3	
CO2	3	2	3	2	3								3	2	
CO3	3	3	3	2	3								2	3	
CO4	2	3	3	3	3								3	2	
CO5	3	3	3	3	3								3	3	
AVERA GE	2.8	2.8	2.8	2.4	2.8								2.8	2.6	

Subject : AM603PC Natural Language Processing

CO	Course Outcome (CO) Statement
CO1	Show sensitivity to linguistic phenomena and an ability to model them with formal grammars.
CO2	Understand and carry out proper experimental methodology for training and evaluating empirical NLP systems
CO3	Manipulate probabilities, construct statistical models over strings and trees, and estimate parameters using supervised and unsupervised training methods.
CO4	Design, implement, and analyze NLP algorithms
CO5	design different language modeling Techniques.

[illegible]



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Subject : AM604PC Natural Language Processing Lab

CO	Course Outcome (CO) Statement
CO1	Show sensitivity to linguistic phenomena and an ability to model them with formal grammars
CO2	Knowledge on NLTK Library implementation
CO3	Work on strings and trees, and estimate parameters using supervised and unsupervised training methods.
CO4	Deploy the NLP model by using morphological analysis
CO5	Evaluate the N-Gram models.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	2	2	1							1	3	2	2
CO2	3	2	2	1	3							1	3	3	2
CO3	3	3	3	3	2							1	3	3	3
CO4	3	3	3	2	3					1		1	3	3	3
CO5	3	3	2	3	2							2	3	3	3
AVERAGE	3.0	2.8	2.4	2.2	2.2					1.0		1.2	3.0	2.8	2.6



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Subject : AM605PC Data Analytics Lab

CO	Course Outcome (CO) Statement
CO1	Understand linear regression and logistic regression
CO2	Understand the functionality of different classifiers
CO3	Implement visualization techniques using different graphs
CO4	Apply predictive analytics for different types of data
CO5	Apply descriptive analytics for different types of data

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	2	2	1							1	3	2	2
CO2	3	3	2	2	1							1	3	3	2
CO3	2	2	2	1	3					1		1	2	3	2
CO4	3	3	3	3	2							1	3	3	3
CO5	3	3	2	2	2							1	3	3	3
AVERAGE	2.8	2.8	2.2	2.0	1.8					1.0		1.0	2.8	2.8	2.4



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Subject : AM606PC Industrial Oriented Mini Project/ Internship/Skill Development Course (DevOps)

CO	Course Outcome (CO) Statement
CO1	Understand the fundamental principles of DevOps culture, practices, and the integration of development and operations to achieve continuous delivery and deployment.
CO2	Apply version control systems and collaborative development practices using Git and GitHub for efficient code management and team collaboration.
CO3	Implement continuous integration and continuous deployment (CI/CD) pipelines using automation tools like Jenkins, GitLab CI, or similar platforms for streamlined software delivery.
CO4	Utilize containerization technologies such as Docker and orchestration platforms like Kubernetes for application deployment, scaling, and management in cloud environments.
CO5	Monitor, log, and optimize application performance using DevOps monitoring tools and implement infrastructure as code (IaC) practices for automated infrastructure management.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	2	2	2									3	2	
CO2	3	3	3	3	2								3	2	2
CO3	2	3	2	3	3								3	3	2
CO4	3	3	3	3	2								3	2	2
CO5	2	2	2	2									2		3
AVERAGE	2.6	2.6	2.4	2.6	2.33								2.8	2.25	2.25