

GANPAT UNIVERSITY
U.V. PATEL COLLEGE OF ENGINEERING
B. TECH SEM –VI–SECOND INTERNAL SYLLABUS (APRIL-MAY, 2024)
2CEIT602: ARTIFICIAL INTELLIGENCE

Unit 4: Probabilistic Reasoning

- Fuzzy Logic
- Probability
- Uncertainty
- Bayes Rule, Bayesian Networks
- **Other topics from Slides & Syllabus**

Unit 5: Markov Decision process

- MDP formulation
- Policy
- State Value Function
- Action Value Function
- value iteration, Policy Iteration
- **Other topics from Slides & Syllabus**

Unit 6: Deep Learning: Basics of Neural Network

- The Perceptron, training a Perceptron
- Learning Boolean Functions with Perceptron
- Multilayer Perceptron
- Feed Forward Network
- Activation Functions
- Loss Functions
- Classification and Regression Problems with Neural Network
- **Other topics from Slides & Syllabus**

LAB Experiment: Practical-5

Exam Instructions:

No Open Book Exam