SYNERGY POLYTECHNIC, BBSR

The Lesson Plan

Descipline: CSE	Semester: 6th	Name of the Teaching Faculty: Manas Ranjan Ojha,
Subject: AI & ML	No of Days/per week class allotted:	Semester from Date: 04.02.2025 to Date: 17.05.25 No of Weeks:
Week	Class Day	Theory/Practical Topics
1st	1st	Definition of AI History of AI
	2nd	Goals of AI
	3rd	Application of AI
	4th	Intelligent Agent
	5th	
2nd	1st	Computer Vision
	2nd	Natural language processing
	3rd	Turing Test
	4th	problem Solving in games
	5th	
3rd	1st	Search, Search Space
	2nd	Search Tree
	3rd	Categories and Types of search
	4th	Heuristic algorithm vs Sol^n guaranteed algorithm
	5th	
4th	1st	Local search and optimal problem
	2nd	continue Local search & optimal problem
	3rd	Adversarial search
	4th	continue Adversarial search
	5th	
5th	1st	AI and game playing
	2nd	continue AI & game playing
	3rd	monthly Test - 1, Quiz Test - 1
	4th	what to represent, Knowledge
	5th	

Sign of Faculty

HOD 21/1/2025

21/01/25
Principal

SYNERGY POLYTECHNIC, BBSR

The Lesson Plan

Descipline:	Semester:	Name of the Teaching Faculty:
Subject:	No of Days/per week class allotted:	Semester from Date: to Date: No of Weeks:
Week	Class Day	Theory/Practical Topics
1st	1st	Continue what to represent, knowle
	2nd	properties of knowledge representa
	3rd	Approach of.
	4th	Knowledge representation
	5th	
2nd	1st	continue knowledge representation
	2nd	Reasoning
	3rd	Types of reasoning
	4th	machine learning
	5th	
3rd	1st	continue machine learning
	2nd	statistical learning
	3rd	continue statistical learning
	4th	ML properties
	5th	
4th	1st	continue ML properties
	2nd	Reinforcement Learning
	3rd	continue Reinforcement Learning
	4th	Decision Tree
	5th	
5th	1st	Continue Decision Tree
	2nd	monthly Test-2
	3rd	Introduction to pattern recognition
	4th	Design principle of pattern recognition
	5th	

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Descipline:	Semester:	Name of the Teaching Faculty:
Subject:	No of Days/per week class allotted:	Semester from Date: to Date: No of Weeks:
Week	Class Day	Theory/Practical Topics
1st	1st	Stathistical pattern recognition syst
	2nd	machine percephon
	3rd	conhove machine perception
	4th	Line finding and interception
	5th	
2nd	1st	object identification
	2nd	conhove object identification
	3rd	classification
	4th	conhove classification
	5th	
3rd	1st	conhove clamification
	2nd	Introduction to Expert system
	3rd	Basic Architechure
	4th	Type of problem solving by Expert Sys
	5th	
4th	1st	feature of an Expert system
	2nd	conhove feature of an Expert system
	3rd	Expert system architechure
	4th	conhove Expert system architechu
	5th	
5th	1st	Expert system Tool
	2nd	conhove Expert system Tool
	3rd	Existing Expert system
	4th	conhove existing expert system
	5th	

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HOD 31/1/2025

Principal 31/01/25

SYNERGY POLYTECHNIC, BBSR

The Lesson Plan

Descipline:	Semester:	Name of the Teaching Faculty:
Subject:	No of Days/per week class allotted:	Semester from Date: to Date: No of Weeks:
Week	Class Day	Theory/Practical Topics
1st	1st	Application of Expert System Technology
	2nd	continue application of expert System Technology
	3rd	monthly Test-3. QUIZ Test-2
	4th	
	5th	
2nd	1st	
	2nd	
	3rd	
	4th	
	5th	
3rd	1st	
	2nd	
	3rd	
	4th	
	5th	
4th	1st	
	2nd	
	3rd	
	4th	
	5th	
5th	1st	
	2nd	
	3rd	
	4th	
	5th	

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31/01/25
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