Lesson Plan

Subject- **Computer Science and Applications**

Lesson Plan- 16 Weeks (Nov 20 – Feb 21)

Week	Date	BCA(5th Sem) Artificial Intelligence
1	2- Nov – 2020	-
	3- Nov – 2020	-
	4- Nov – 2020	-
	5- Nov – 2020	Introduction to Artificial Intelligence : Intelligence, AI Concepts
	6- Nov – 2020	Discussion over Knowledge Various types of Knowledge Knowledge Pyramid
	7- Nov - 2020	Knowledge Pyramid
2	8- Nov - 2020	Sunday
	9- Nov - 2020	-
	10- Nov - 2020	-
	11- Nov - 2020	-
	12- Nov - 2020	Characteristics of AI Problems
	13- Nov - 2020	People and Computers: What computers can do better that people, what people can do better than computers Characteristics of AI Problems
	14- Nov - 2020	Holiday
3	15- Nov - 2020	Sunday
	16- Nov - 2020	Holiday
	17- Nov - 2020	-
	18- Nov - 2020	-
	19- Nov - 2020	Advantages & Disadvantages of AI
	20- Nov - 2020	Problem Representation in AI
	21- Nov - 2020	Various Methods of Problem Representation in AI
4	22- Nov - 2020	Sunday
	23- Nov - 2020	**Assignment 1**
	24- Nov - 2020	Holiday
	25- Nov - 2020	-
	26- Nov - 2020	Discussion over Components of AI
	27- Nov - 2020	AI Evolution, History of AI
	28- Nov - 2020	Revision
5	29- Nov - 2020	Sunday
	30- Nov - 2020	Holiday
	1- Dec - 2020	-
	2- Dec - 2020	-
	3- Dec - 2020	Application Areas of AI
	4- Dec - 2020	The Turing Test, The Revised Turing Test
	5- Dec - 2020	Revision of UNIT -1
6	6- Dec - 2020	Sunday
	7- Dec - 2020	-
	8- Dec - 2020	-
	9- Dec - 2020	-
	10- Dec - 2020	Introduction to Expert System: Components of Expert System
	11- Dec - 2020	Components of Expert System: Knowledge Base, Inference Engine, User

		Interface
	12- Dec - 2020	Features of Expert System
7	13- Dec - 2020	Sunday
	14- Dec - 2020	-
	15- Dec - 2020	-
	16- Dec - 2020	-
	17- Dec - 2020	Expert System Life Cycle
	18- Dec - 2020	Categories of Expert System, Rule Based vs. Model Based Expert Systems
	19- Dec - 2020	Advantages/Limitations of Expert System
8	20- Dec - 2020	Sunday
	21- Dec - 2020	-
	22- Dec - 2020	-
	23- Dec - 2020	-
	24- Dec - 2020	Introduction to Developing an Expert System
	25- Dec - 2020	Developing an Expert System: Identification, Conceptualization, Implementation, Testing
	26- Dec - 2020	Using an Expert System, Application Areas of Expert System
	27- Dec - 2020	Sunday
9	28- Dec - 2020	-
	29- Dec - 2020	-
	30- Dec - 2020	-
	31- Dec - 2020	Revision of UNIT -2
	1- Jan - 2021	Introduction to AI and Search Process
	2- Jan - 2021	Brute Force Search – Depth First/Breadth First Search
10	3- Jan - 2021	Sunday
	4- Jan - 2021	-
	5- Jan - 2021	-
	6- Jan - 2021	-
	7- Jan - 2021	Brute Force Search – Depth First/Breadth First Search
	8- Jan - 2021	Introduction to Heuristic Search: Hill Climbing
	9- Jan - 2021	Class test
11	10- Jan - 2021	Sunday
	11- Jan - 2021	Holiday
	12- Jan - 2021	-
	13- Jan - 2021	-
	14- Jan - 2021	Discussion over Constraint Satisfaction
	15- Jan - 2021	Discussion over Mean End Analysis, Best First Search
	16- Jan - 2021	Discussion over A* Algorithm
12	17- Jan - 2021	Sunday
	18- Jan - 2021	-
	19- Jan - 2021	-
	20- Jan - 2021	Holiday
	21- Jan - 2021	AO* Algorithm, Beam Search.
	22- Jan - 2021	Revision of UNIT -3
	23- Jan - 2021	**Sessional**
13	24- Jan - 2021	Sunday
	25- Jan - 2021	-
	26- Jan - 2021	Holiday

	27- Jan - 2021	-
	28- Jan - 2021	Introduction to Natural Language Processing: Introduction, its Need &Goal
	29- Jan - 2021	Discussion over Problems in Natural Language Understanding
	30- Jan - 2021	How People overcome Natural Language Problems
14	31- Jan - 2021	Sunday
	1- Feb - 2021	-
	2- Feb - 2021	-
	3- Feb - 2021	-
	4- Feb - 2021	Speech Recognition: Introduction, Advantages and Limitations
	5- Feb - 2021	Approaches to Speech Recognition
	6- Feb - 2021	Introduction to Robotics: Parts of a Robot
15	7- Feb - 2021	Sunday
	8- Feb - 2021	-
	9- Feb - 2021	-
	10- Feb - 2021	-
	11- Feb - 2021	Controlling a Robot
	12- Feb - 2021	Intelligent Robots, Mobile Robots
	13- Feb - 2021	Revision
	14- Feb - 2021	Sunday
16	15- Feb - 2021	-
	16- Feb - 2021	-
	17- Feb - 2021	-
	18- Feb - 2021	Revision
	19- Feb - 2021	Question paper discussion
	20- Feb - 2021	Question paper discussion