

SARASWATI MAHILA MAHAVIDYALAYA
SESSION:2021-22

SEM: Even

(MARCH-JUNE 2022)

LESSON PLAN

Name of faculty: MS SHWETA CHHABRA

Designation : ASST. PROF. IN CS

Subject :ARTIFICIAL INTELLIGENCE

Sr.No	Topics/Chapters	Time period	Academic activities	Topicsof Assignment /test
1	Overview of A.I: Introduction to AI, Importance of AI, AI and its related field, AI techniques, Criteria for success. Problems, problem space and search: Defining the problem as a state space search, Production system and its characteristics, Issues in the design of the search problem Heuristic search techniques : Generate and test, hill climbing, best first search technique, problem reduction, constraint satisfaction	18 MARCH -30 MARCH	1:test 1:assignment	Test: Heuristic Search Techniques Assignment: Production System and characteristics
2	Knowledge Representation: Definition and importance of knowledge, Knowledge representation, Various approaches used in knowledge representation, Issues in knowledge representation. Using Predicate Logic : Represent ting Simple Facts in logic, Representing instances and is_a relationship, Computable function and predicate.	1 APRIL-25 APRIL	1:test Class presentation	TEST: Knowledge Representation Presentation: Predicate Logic
3	Natural language processing : Introduction syntactic processing, Semantic processing, Discourse and pragmatic processing. Learning: Introduction learning, Rote learning, Learning by taking advice, Learning in problem solving, Learning from example-induction, Explanation based learning.	25 APRIL- 10 MAY 1 :test	1 :test 1:assignment	Test: Types of Learning
4	Expert System: Introduction, Representing using domain specific knowledge, Expert system shells.	10 MAY-20 JUNE onwards.	Revision starts from 20 th JUNE Onwards	

(faculty sign)