

REVERSE IMAGE SEARCH FOR THE FASHION INDUSTRY USING CNN

A PROJECT REPORT

Submitted by

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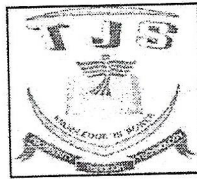
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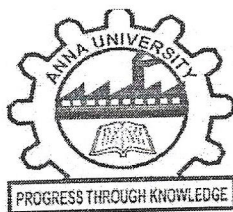
in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING

COMPUTER SCIENCE AND ENGINEERING



T.J.S ENGINEERING COLLEGE, PERUVOYAL



ANNA UNIVERSITY : CHENNAI 600 025

JUNE 2022


PRINCIPAL
T.J.S. ENGINEERING COLLEGE
Peruvoyal, Kavaraipettai,
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Thiruvallur Dist - 601 206.



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BONAFIDE CERTIFICATE

Certified that this project report "Reverse Image Search For The Fashion Industry Using CNN" is the bonafide work of the following students.

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who carried out the project work under my supervision.

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Submitted for viva voice held on 22-06-22 at T.J.S Engineering College, Peruvoyal


INTERNAL EXAMINER


EXTERNAL EXAMINER


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OBJECTIVES:

- To understand the various characteristics of Intelligent agents
- To learn the different search strategies in AI
- To learn to represent knowledge in solving AI problems
- To understand the different ways of designing software agents
- To know about the various applications of AI.

UNIT I	INTRODUCTION	9
Introduction-Definition - Future of Artificial Intelligence - Characteristics of Intelligent Agents-Typical Intelligent Agents - Problem Solving Approach to Typical AI problems.		
UNIT II	PROBLEM SOLVING METHODS	9
Problem solving Methods - Search Strategies- Uninformed - Informed - Heuristics - Local Search Algorithms and Optimization Problems - Searching with Partial Observations - Constraint Satisfaction Problems - Constraint Propagation - Backtracking Search - Game Playing - Optimal Decisions in Games - Alpha - Beta Pruning - Stochastic Games		
UNIT III	KNOWLEDGE REPRESENTATION	9
First Order Predicate Logic - Prolog Programming - Unification - Forward Chaining-Backward Chaining - Resolution - Knowledge Representation - Ontological Engineering-Categories and Objects- Events - Mental Events and Mental Objects - Reasoning Systems for Categories - Reasoning with Default Information		
UNIT IV	SOFTWARE AGENTS	9
Architecture for Intelligent Agents - Agent communication - Negotiation and Bargaining - Argumentation among Agents - Trust and Reputation in Multi-agent systems.		
UNIT V	APPLICATIONS	9
AI applications - Language Models - Information Retrieval- Information Extraction - Natural Language Processing - Machine Translation - Speech Recognition - Robot - Hardware - Perception - Planning - Moving		

**TOTAL :45
PERIODS**

OUTCOMES:

Upon completion of the course, the students will be able to:

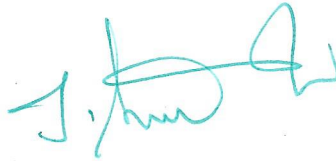
- Use appropriate search algorithms for any AI problem
- Represent a problem using first order and predicate logic
- Provide the apt agent strategy to solve a given problem
- Design software agents to solve a problem
- Design applications for NLP that use Artificial Intelligence.

TEXT BOOKS:

- 5 S. Russell and P. Norvig, "Artificial Intelligence: A Modern Approach", Prentice Hall, Third Edition, 2009.
- 6 I. Bratko, "Prolog: Programming for Artificial Intelligence", Fourth edition, Addison-Wesley Educational Publishers Inc., 2011.

REFERENCES:

11. M. Tim Jones, "Artificial Intelligence: A Systems Approach(Computer Science)", Jones and Bartlett Publishers, Inc.; First Edition, 2008
12. Nils J. Nilsson, "The Quest for Artificial Intelligence", Cambridge University Press, 2009.
13. William F. Clocksin and Christopher S. Mellish, "Programming in Prolog: Using the ISO Standard", Fifth Edition, Springer, 2003.
14. Gerhard Weiss, "Multi Agent Systems", Second Edition, MIT Press, 2013.
15. David L. Poole and Alan K. Mackworth, "Artificial Intelligence: Foundations of Computational Agents", Cambridge University Press, 2010.



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