



# CMR College of Engineering & Technology

(UGC Autonomous)

Kandlakoya, Medchal, Hyderabad - 501401

## Department of Computer Science and Engineering

MINI Project-I / Internship-I		
ACADEMIC YEAR: 2023-2024		
BATCH: 2021-2025 YEAR/SEM : III/V		
PROJECT BATCH No.: B12		
Domain of the Project	Web Development & Machine Learning	
Title of the Project	Career Path Advisor	
Year/Sem	III/V	
Name of the Guide & Designation	Dr. V. Venkataiah, Associate Professor	
Date of Submission	25-09-2023	
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### ABSTRACT

Every one of us faces a certain dilemma in choosing the right career path for ourselves. In today's dynamic job market, individuals face an increasing challenge when it comes to making informed career decisions. The availability of diverse career options, changing skill requirements, and evolving industries make it difficult for individuals to navigate their career paths effectively.

To address this challenge, we propose the development of a Career Path Advisor project. Our proposed solution is to implement a Machine Learning model using SVM algorithm. The objective of the Career Path Advisor project is to create an intelligent and user-friendly platform that assists individuals in making well-informed career decisions and planning their career paths effectively. This platform should consider a user's unique skills, interests, goals, and the current job market to provide personalized career recommendations and guidance.

The basic underlying technology we intend to use is Machine Learning combined with Web Development for user interface and deployment. We compare the performance of different machine learning algorithms such as KNN-Classification algorithm, SVM-Classification algorithm on Multi-Class Classification task. We evaluate these algorithms using accuracy, precision and recall metrics. We use a dataset to train and test this machine learning model in order to provide the user with the right career choice by finding the most suitable outcome by comparing the dataset with the user input.

Guide Signature

Project Coordinator

HOD-CSE