MES COLLEGE OF ENGINEERING-KUTTIPPURAM
DEPARTMENT OF COMPUTER APPLICATIONS
20MCA246 – MAIN PROJECT

PRO FORMA FOR THE APPROVAL OF THE FINAL SEMESTER PROJECT

(Note: All entries of the pro forma of approval should be filled up with appropriate and complete information. Incomplete Pro forma of approval in any respect will be rejected.)

Project Proposal Number : 1
(Filled by the Department)

E-Mail : akhilapadmanabhan2@gmail.com
Mobile No. : 9072554733

Academic Year : 2025-26
Year of Admission : 2024
Admission Number : 18901
Roll Number : 03
Register Number : MES24MCA2003

1. Name of the Student (in BLOCK LETTERS) : AKHILA P
2. Name of the Organization : _____
3. Address of the Organization : _____
   Telephone No. : _____ Company E-Mail : _____
4. Name of the External Guide : _____
   Mobile No. : _____ E-Mail : _____
5. Title of the Project : CareerMatch AI: Resume Analyser, Job Matcher and Recommendation System
6. Name of the Guide (Internal-Departmet) : _____

Date : Signature of the Student:

Comments of The Project Guide

Initial Submission :
Approval Status : Approved / Not Approved Dated Signature of Guide HOD
First Review :
Second Review :
Third Review :

Comments of The Project Coordinator

Initial Submission:
First Review : Second Review: Third Review:

Dated Signature of Project Coordinator:

ABSTRACT

In today’s competitive job market, job seekers often face difficulty in identifying suitable job opportunities that match their skills and qualifications. Many candidates apply for jobs without clearly understanding whether their resume meets the job requirements. This project, titled **“Resume Analyzer, Job Matcher & Job Recommendation System”**, aims to solve this problem by providing an intelligent and automated solution for job matching. The system analyzes a user’s resume, extracts key information such as skills, education, and experience, and compares it with predefined job descriptions. Based on this comparison, the system calculates a matching score and recommends the most relevant job roles to the user.

Job details are stored in JSON files, and all processing is carried out dynamically using Python and Natural Language Processing (NLP) techniques. The application allows users to upload resumes in PDF or document format and provides instant job recommendations along with skill gap analysis. This system is especially useful for students, freshers, and career changers. The project demonstrates the practical use of Python, NLP, and file-based data handling while offering a simple, efficient, and user-friendly solution for job recommendation.