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|  | **Title :** **Project Registration & Progress Review** | | **FF No. 180** |  |
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| **Department: AI&DS** | | **Academic Year: 2024-25** | | |
| **Semester : 7** | | **Group No. : 35** | | |
| **Project Title: AI based Resume Analyzer** | | | | |
| **Project Area: Machine Learning, AI Agents, Web Technology** | | | | |
| **Group Members Details:** | | | | |

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| Name of Internal Guide: Dr. Shital Parag Dongre  Contact No:  Email Id: |

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| Project approved / Not approved  **Guide Project Coordinator Head of Department** |

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| **Progress Synopsis –**   * **Introduction -**   In today's competitive job market, hiring managers and recruiters are often overwhelmed by the sheer volume of resumes they receive. Manually sifting through resumes to identify qualified candidates is time-consuming and prone to human error. The AI-Based Resume Analyzer project aims to streamline and automate this process using advanced AI agents specifically tailored for software-based roles. These agents will efficiently parse, analyze, and shortlist resumes based on specific job requirements, ensuring a faster and more accurate recruitment process.  In addition to analyzing traditional resumes, the AI agents will also evaluate candidates' coding profiles (such as GitHub), LinkedIn data, and other relevant online portfolios. By integrating these sources, the system provides a comprehensive assessment of a candidate's technical skills, experience, and professional network.  This project will also benefit students and job seekers by providing insights into their resume's performance. The analyzer will offer feedback on strengths and areas for improvement, helping users optimize their resumes and online profiles to increase their chances of landing interviews for software-based roles.   * **Objectives –**   Develop an AI-powered system to automate the screening process by accurately parsing and analyzing resumes, reducing the time and effort required by recruiters by ranking the candidates.  Design a feedback mechanism to help students and job seekers understand how their resumes perform against specific job criteria, offering suggestions for improvement to increase their chances of securing interviews.   * **System Architecture -**     The system will be composed of multiple AI agents, each responsible for a specific task such as resume parsing, job matching, candidate ranking, and feedback generation. These agents will communicate through a central orchestrator that manages the workflow from resume input to the final shortlist. |
| **Signature of Guide:** |

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| Group No. |  | | |
| Activity | Review Schedule | Progress Review Report submitted | Signature of Guide |
| Review 1 | Mid Sem. Semester | Yes / No |  |
| Review 2 | End of Semester | Yes / No |  |

Format of Progress Review Report:

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| **Review No.: 1 Group No.: Date:** |
| **Progress Review Report** |
| **Signature of Guide:** |

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| **Review No.: 2 Group No.: Date:** |
| **Progress Review Report** |
| **Signature of Guide:** |