**GANDHI INSTITUTE OF ENGINEERING AND TECHNOLOGY
UNIVERSITY, ODISHA, GUNUPUR**
Department of Computer Science & Engineering
**Fortnightly Review Project Progress Review Report starting from
December 6th ,2025**

Fortnightly : December 5 onwards

Student Group Details

S. No.	Roll Number	Registration Number	Student Name
1	**22CSE072**	**22UG010159**	**ABHISEK PANDA**
2	**22CSE140**	**22UG010273**	**DEBABRATA MISHRA**
3	**22CSE224**	**22UG010357**	**DIPTESH NARENDRA**

Project Information

Project Title: **AI-Based Internship Recommendation Engine for PM Internship Scheme**

Domain / Area: **Artificial Intelligence & Machine Learning**

Faculty Supervisor: **Dr. Gitanjali Mishra**

Tasks and Progress

Tasks Planned	Tasks Completed	Remarks / Challenges
1. Problem Statement & Objectives	Completed	The problem was clearly identified based on difficulties faced by students in choosing suitable internships under the PM Internship Scheme.
1.1 Briefly explain the problem statement	Completed	Many students lack guidance and digital awareness, leading to mismatched internship applications and missed opportunities.
1.2 Mention the objectives set at the beginning	Completed	Objectives such as personalized internship recommendation, simple UI, mobile accessibility, and support for low digital literacy users were defined.

2. Literature Survey Progress	In Progress	Relevant research papers on recommendation systems and resume analysis were studied. Limited work found related to government internship platforms.
2.1 Summary of at least 10 relevant literature papers (APA/IEEE format)	In Progress	Around 8–10 papers related to internship recommendation systems, career guidance platforms, and NLP-based resume parsing have been reviewed. Formatting is ongoing.
2.2 Literature gap identified	Completed	Existing solutions focus on complex models and do not address simplicity, accessibility, or integration with government schemes.
3. Data Collection & Requirement Analysis	In Progress	Real-time official datasets are limited; hence sample and structured synthetic data are being used for prototype development.
3.1 Dataset description, source, and reason for selection	Completed	Dataset structure includes internship title, skills, sector, location, and apply link, aligned with PM Internship Scheme requirements.
3.2 Exploratory Data Analysis (EDA) and reports	Planned	EDA will be performed after finalizing the dataset, including analysis of skill distribution and missing values.
4. Preliminary Designs / Algorithms	Completed	System design and recommendation workflow have been planned clearly.
4.1 Initial workflow / block diagram / conceptual framework	Completed	A clear conceptual workflow showing user input, resume parsing, recommendation engine, and output display has been designed.
4.2 Selection and justification of techniques / algorithms	Completed	Rule-based matching and cosine similarity were selected for being lightweight, interpretable, and suitable for low-resource environments.
4.3 Planned evaluation metrics and validation approach	Planned	Relevance score, recommendation accuracy, and user feedback will be used for evaluation in later stages.

5. Progress Status	Completed	The project is progressing according to the planned schedule.
5.1 Percentage of work completed	Completed	- Requirement Analysis: 20% - Literature Survey: 20% - Design & Planning: 20% - Implementation: 0% - Data Collection: 100% Overall Progress: ~20%

Supervisor Comments:

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Verified by:

Signature of Supervisor: _____

Date: _____

Signature of Class Teacher: _____

Date: _____