



## **FAKULTI KECERDASAN BUATAN DAN KESELAMATAN SIBER**

**SESSION – 1 25/26**

**Bachelors Of Artificial Intelligence with Honor (BAXI)**

**Artificial Intelligence Project Manager**

**(BAXI 3533)**

**(S3G2)**

<b>NAME</b>	<b>MATRIX NUMBER</b>
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# **Project Scope Document: Job MatchMaking System**

## **1. Objectives**

This project aims to develop an intelligent AI-powered platform that efficiently connects IT job seekers with employers. Key objectives include:

- To automate the CV parsing and skill extraction process with over 90% accuracy.
- To develop a robust AI matching algorithm that suggests the top 3 most suitable job roles for a candidate with over 80% precision.
- To build a user-friendly web dashboard for both job seekers and employers to view matches, insights, and analytics.
- To reduce the average hiring cycle time by streamlining the initial screening and matching process.

## **2. Deliverables**

The tangible outputs of this project will be:

- A functional web application (Frontend & Backend)
- Trained Machine Learning Models (OCR, NLP, Recommendation Engine)
- A project report and final presentation
- A complete dataset of processed CVs and job listings (anonymized)
- System documentation and user manuals

## **3. Stakeholders**

Primary Users: IT Job Seekers and IT Companies/Recruiters

- Project Team:

- Project Manager: Muhammad Farouk Bin Mahmud
- AI Developer (OCR & NLP): Tee Kai En
- AI Developer (Matching Algorithm): Tee Kai En, Muhammad Aiman Bin Razak
- Frontend Developer: Muhammad Aiman Bin Razak

- Backend Developer: Muhammad Aiman Bin Razak
- QA & Tester: Tee Kai En
- Supervisor: Dr. Farhan Khan
- Client/Focus Group: UTEM Students & Faculty (for testing & feedback)

#### **4. Tools & Integration**

- Scheduling & Planning: Microsoft Project / Excel
- Version Control & Collaboration: GitHub
- Communication & File Sharing: MS Teams
- Development: Python (Flask, Scikit-learn, SpaCy), JavaScript (React), Firebase
- Design & Diagramming: Miro / Lucidchart

#### **Reflection – Week 03**

1. What was the most challenging part of building the schedule?
  - Defining accurate task durations and dependencies in the project schedule.
2. How did GitHub and Teams support your collaboration?
  - GitHub kept our files organized, and Teams made communication and feedback easy.
3. What tasks will you refine next week?
  - Adjust project timelines and start dataset preparation for AI model training.