

Project Proposal Form

Instructor: Yusuf Altunel, PhD

Academic Year: 202_ - 202_

Semester: Fall Spring Summer

Team Name: <Name of your Team>

	Student No	Name & Surname	E-mail Address	Signature
Student1:	2100001300	Ahmad Mansour	2100001300@stu.iku.edu.tr	Ahmed Mansour
Student2:	solo	solo	solo	solo
Student3:	solo	solo	solo	solo

Project is A survey **An Implementation** **Code in Python:** Yes No

Proje Name: AI Task Assistant: A Simple Command-Line Intelligent Task Management System

Project Statement

The aim of this project is to design and implement a simple AI-based task management application using Python. The system acts as an intelligent assistant that allows users to add, store, analyze, and manage daily tasks through a command-line interface. The AI agent analyzes user input, categorizes tasks, assigns priorities, and provides basic recommendations to help users organize their workload efficiently.

Complete List of Submissions

1. **Submissions:**

a. Documentation:

- i. Project proposal (this file) to explain the project and team
- ii. Design document to explain the details of the implementation, data description, algorithms and libraries. If there any external references, the exact position in source code of those references.
- iii. User documents to describe how to use the application
- iv. Installation guide to show how to compile, deploy and run the application

b. Web/Mobil/Desktop/Command Line application

- c. Database/file to keep permanent data used in application
- d. GitHub page to access and download the source code
- e. Other submissions if any

2. **Features:**

Feature-1: Add new tasks using natural language input.

Feature-2: Store tasks persistently using a local JSON file.

Feature-3: Automatically categorize tasks based on keywords and context.

Feature-4: Assign task priorities (High, Medium, Low) using rule-based AI logic.

Feature-5: Display and manage tasks through a command-line menu interface.

Feature-6: Edit and delete existing tasks.

Feature-7: Provide AI-generated task recommendations and suggestions.

Feature-8: Generate task summary statistics using AI analysis.

Team Roles

1. **Developers:**
a. Developer-1: Ahmad Mansour
2. **Project Manager¹:**Ahmad Mansour
3. **Product Owner²:**Ahmad Mansour
4. **SCRUM Master³:**Ahmad Mansour

Resources⁴

- [1] Python web page: <https://www.python.org/>
- [2] Python Github page: <https://github.com/python>
- [3] Python Github topics: <https://github.com/topics/python>

¹ For team projects: Defines and follow up project planning

² For team projects with agile: Creates and maintains Product Backlog Items & Product roadmap

³ For team projects with agile: Keeps the methodology intact, supports the team and guarantee execution of responsibilities

⁴ Any type of reference should be listed like the source codes, libraries, and resources to use in implementation and reading