**SMART-AI- BASED To-Do List Application**

**Overview:**

**The*SmartAITo-Do List* application uses heuristicalgorithms to simulate AI-based prioritizationandschedulingofdailytasks.**

**Userscancreate,categorize,and manage tasks based on urgency,importance,and** estimated time.

Key Features

* + Add,edit,anddeletetasks
  + Smart“AI”prioritizer(computesscoresforurgencyandimpact)
  + Auto scheduling for the currentday
  + Persistent data using **local Storage**
  + Responsive UI with dark gradient design
  + Heuristic explanation for each AI suggestion

WalkthroughSteps

1. **Add aTask**
   * Entertitle,selectpriority,addestimatetime,andoptionaldeadline.
2. **Smart Suggest**
   * Clickç;'"'†—"“SmartSuggest” to reorder tasksbased on priority and deadline.
3. **Auto Schedule**
   * Click🗓“AutoSchedule Today”to generate amock timeline for today.
4. **Manage Tasks**

Mark tasks as complete or delete them.

1. **Persistent Storage**
   * Tasks are saved locally and remain after refresh.

**ProjectReport**

**Objective**

To develop an intelligent to-dolist app that automatically prioritize and schedules tasks using local heuristic algorithms and mimics AI-based decision-making.

Scope

This system focuses on personal productivity and can later be extended to team task management and realAIintegration(viaOpenAIAPIorserver-basedmodel).

TechnologyStack ComponentTechnol

gy

Frontend HTML,CSS,JavaScript

AILogic Localheuristicscoringalgorithm Storage

Browser Local Storage

Deployment Git Hub Pages