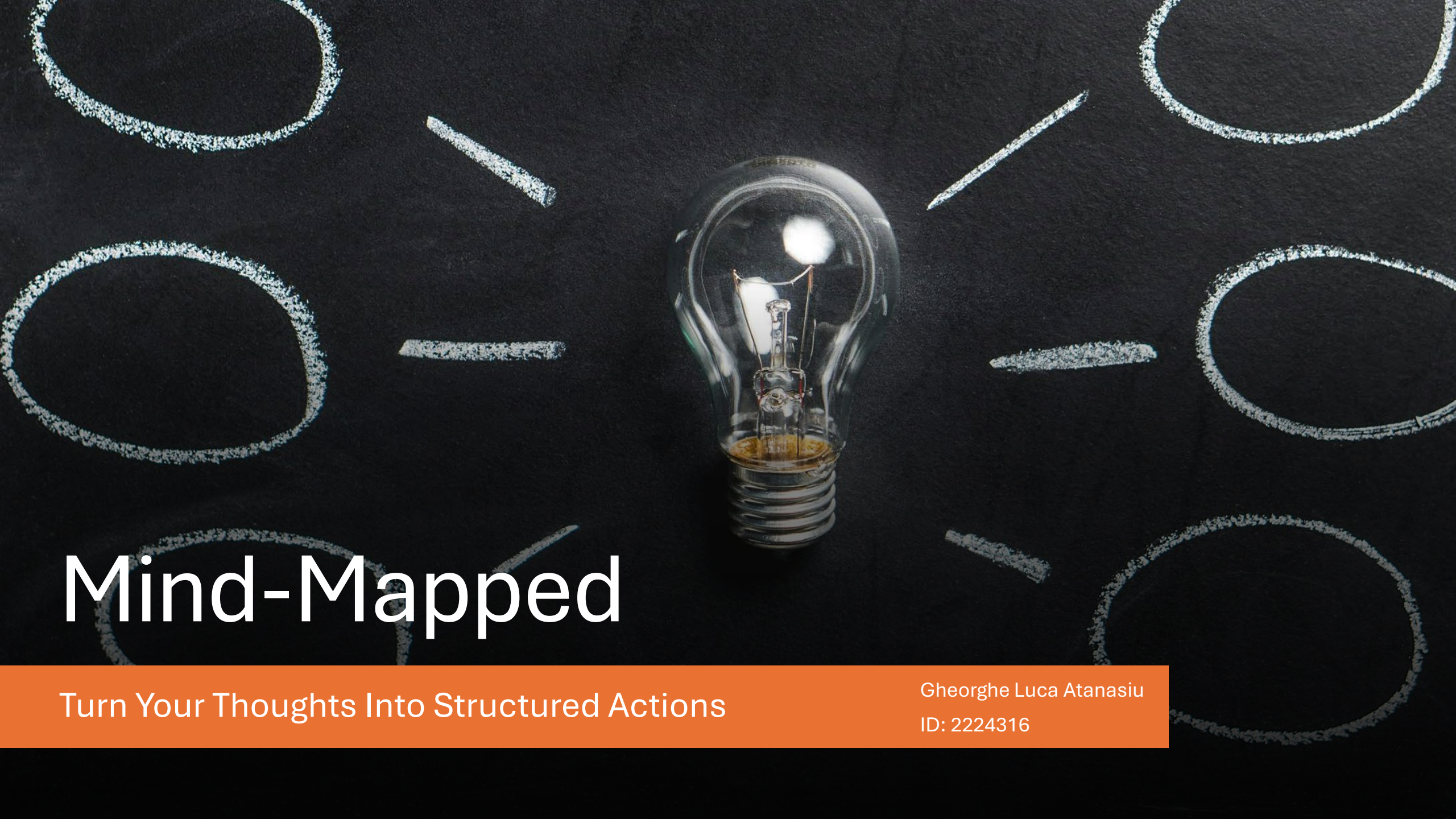




Mind-Mapped

Turn Your Thoughts Into Structured Actions

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The Importance of Goal Setting

- Goal setting is a **universal driver of success** in personal, academic, and professional life.
- Clear goals help improve **focus, motivation, and achievement**.
- Yet, many people struggle with:
 - **Vague intentions** ("I want to get fit")
 - **Lack of structure** in planning
 - **Low motivation** due to unclear direction

Current Challenges in Goal Setting

Ambiguity makes it difficult to track progress.

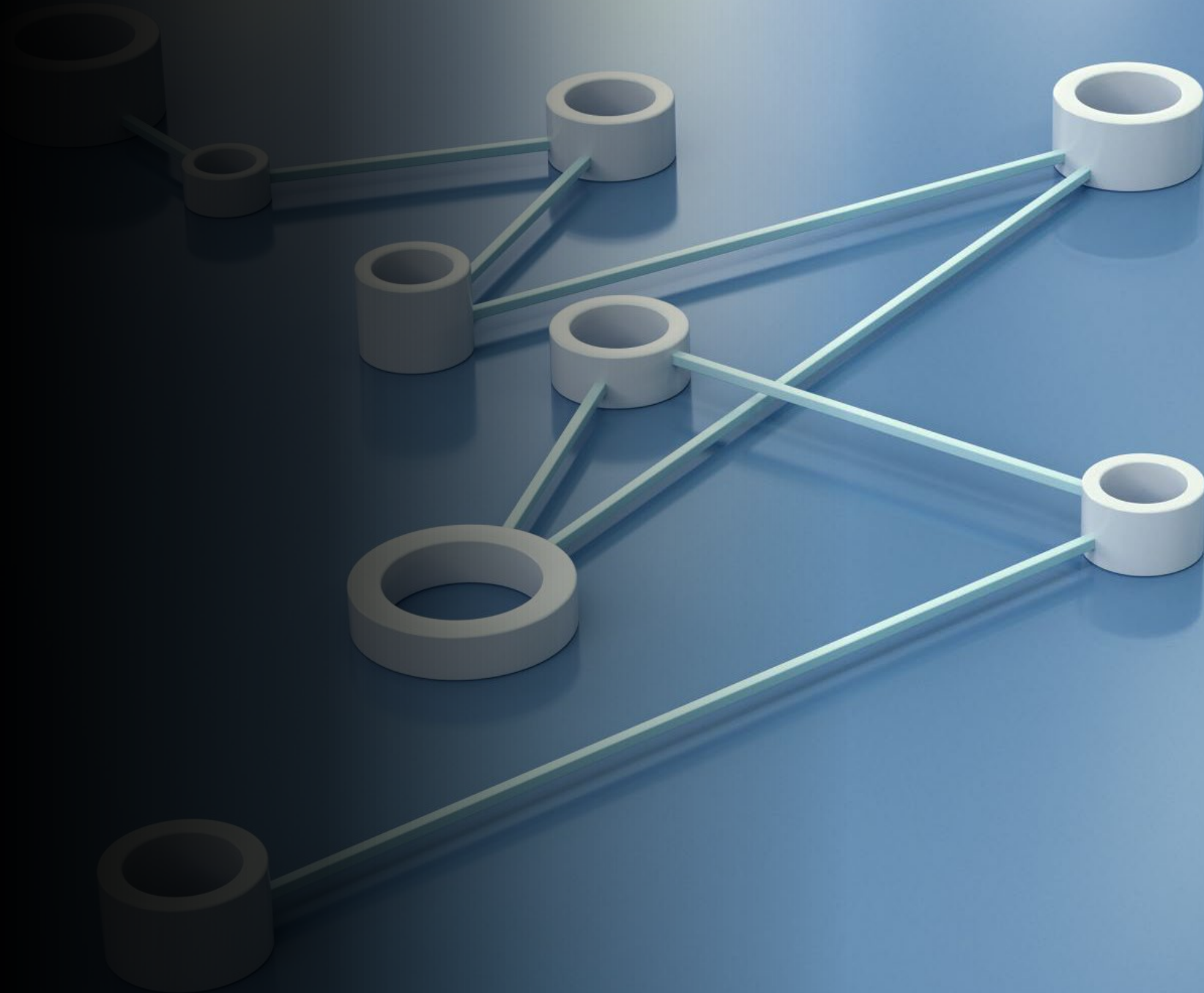
Traditional tools often **focus on one framework only** (usually **SMART**).

People can face **mental exhaustion** when translating ideas into actionable plans.

Lack of **personalization** — goals are not always matched to individual needs.

Opportunity for Innovation

- Growing interest in **AI productivity tools**.
- AI + NLP can **transform vague thoughts into structured goals**.
- Data mining can reveal **patterns in human goal-setting behavior**.
- However → No tool yet combines **SMART + CLEAR frameworks** with **contextual personalization**.



Problem Statement

- Many people have **ambiguous, unstructured goals** (e.g., “I want to improve my health”).
- Without clear direction, goals often **fail to translate into action**.
- Current AI productivity tools:
 - Focus on **general task assistance**, not structured goal frameworks.
 - Lack **dual-framework (SMART + CLEAR) integration**.
- **Result:** People remain stuck, unmotivated, and unable to measure progress.

Why is This a Problem?

- **Lack of clarity** → vague goals reduce motivation and success rates [1][2].
- **Framework gap:** SMART works for measurable objectives, CLEAR fits flexible/emotional goals — but tools rarely combine them [2].
- **AI tools today:** Offer generic suggestions but **don't tailor outputs** to user context [3].
- Leads to:
 - Missed opportunities for personal/professional growth.
 - Increased frustration and **loss of confidence** in goal pursuit.

Motivation for a Solution

- **Strong demand** for tools that reduce the mental effort of planning.
- **AI + NLP** can bridge the gap by transforming vague inputs into actionable plans [3][8].
- Adding **contextual behavior training** (age, activity level, etc.) → more personalized & relevant outcomes.
- A solution like **MindMapped** can:
 - Empower users with **confidence and direction**.
 - Provide **research insights** into human goal-setting patterns.
 - Be applied across education, health, business, and personal development domains.

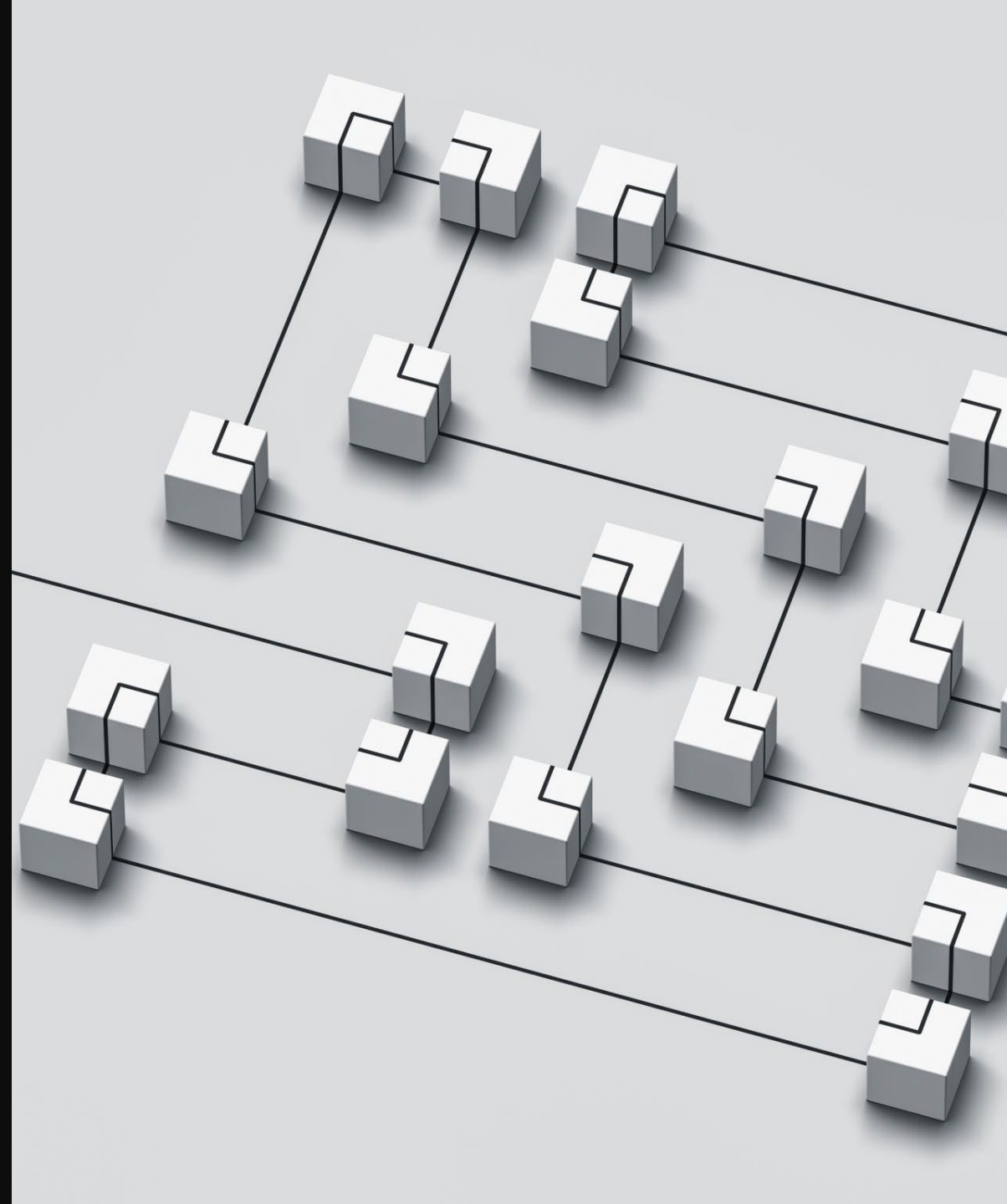
Project Aim

- To develop an AI-based application that transforms **vague goals** into **organized, meaningful objectives** using the **SMART** or **CLEAR** frameworks.
 - Supports users in creating **structured, actionable goals**.
 - Collects and analyzes goal data to detect **patterns in goal-setting behaviors**.
 - Provides a **scalable, research-based tool** for personal and professional development.



Project Objectives

- Analyze existing AI goal-setting tools.
 - Assess integration of SMART and CLEAR frameworks in current solutions.
 - Build a Python + Streamlit tool integrated with the OpenAI API.
 - Provide a simple interface for users to input goals and receive structured outputs.
 - **DATA WAREHOUSING:**
 - Store user inputs, AI outputs, and metadata in a structured, scalable database.
 - **DATA MINING:**
 - Apply sentiment analysis, clustering, and keyword extraction.
 - Identify **goal types, emotional patterns, and behavioral trends.**
 - Test application with volunteer users.
 - Evaluate clarity, motivation impact, and user satisfaction.
-



Methodology



Approach: Product development + exploratory data analysis.



Core Components:

Python + Streamlit app.

OpenAI GPT API for NLP & goal transformation.

Database (SQLite/PostgreSQL) for structured storage.

Data mining tools (Pandas, NLTK, Scikit-learn).

Data Collection Methods

- **User input samples:** vague goals submitted through the app.
 - Data stored with:
 - Input → Output → Framework type (SMART/CLEAR).
 - Sentiment + metadata (time, keywords).
 - **User feedback surveys** for clarity, usefulness, and satisfaction.
-



System Workflow

- Ai ask set questions in order to find the right category and answers.
(Age group, Height, Weight, etc)
- User Input:** vague goal (e.g., “I want to get fit”).
- AI Analysis:** NLP + prompt logic decides SMART or CLEAR.
- Goal Output:** structured, actionable objective.
- Storage:** inputs, outputs, and metadata stored in database.
- Data Mining:** sentiment analysis, clustering, keyword extraction.

Testing & Evaluation

- **Testing techniques:**
 - Simulated inputs during development.
 - Volunteer user testing (Phase 2).
- **Evaluation criteria:**
 - Goal clarity & structure.
 - User motivation impact.
 - Overall satisfaction (via surveys).
- **Ethics:**
 - No personal data stored.
 - Users warned to avoid sensitive information.

Goal Frameworks

- **SMART Framework [1]:**

- Specific, Measurable, Achievable, Relevant, Time-bound.
- Widely used for **structured, measurable objectives**.

- **CLEAR Framework [2]:**

- Collaborative, Limited, Emotional, Appreciable, Refinable.
- Focuses on **flexibility, adaptability, and emotional engagement**.

AI & Goal Setting

- **AI + NLP (GPT models) [3]:**
 - Proven ability to convert ambiguous text into structured formats.
- **Current AI productivity tools:**
 - Offer general suggestions, but **DON'T** combine **SMART & CLEAR**.
- **Gap Identified:**
 - Lack of dual-framework integration.
 - No behavioral/context-based personalization.

Data Mining & Storage

- **Data Warehousing [5]:** Enables scalable, organized storage of inputs/outputs.

- **Data Mining Techniques [6][11][12][13]:**

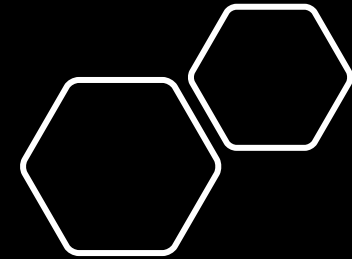
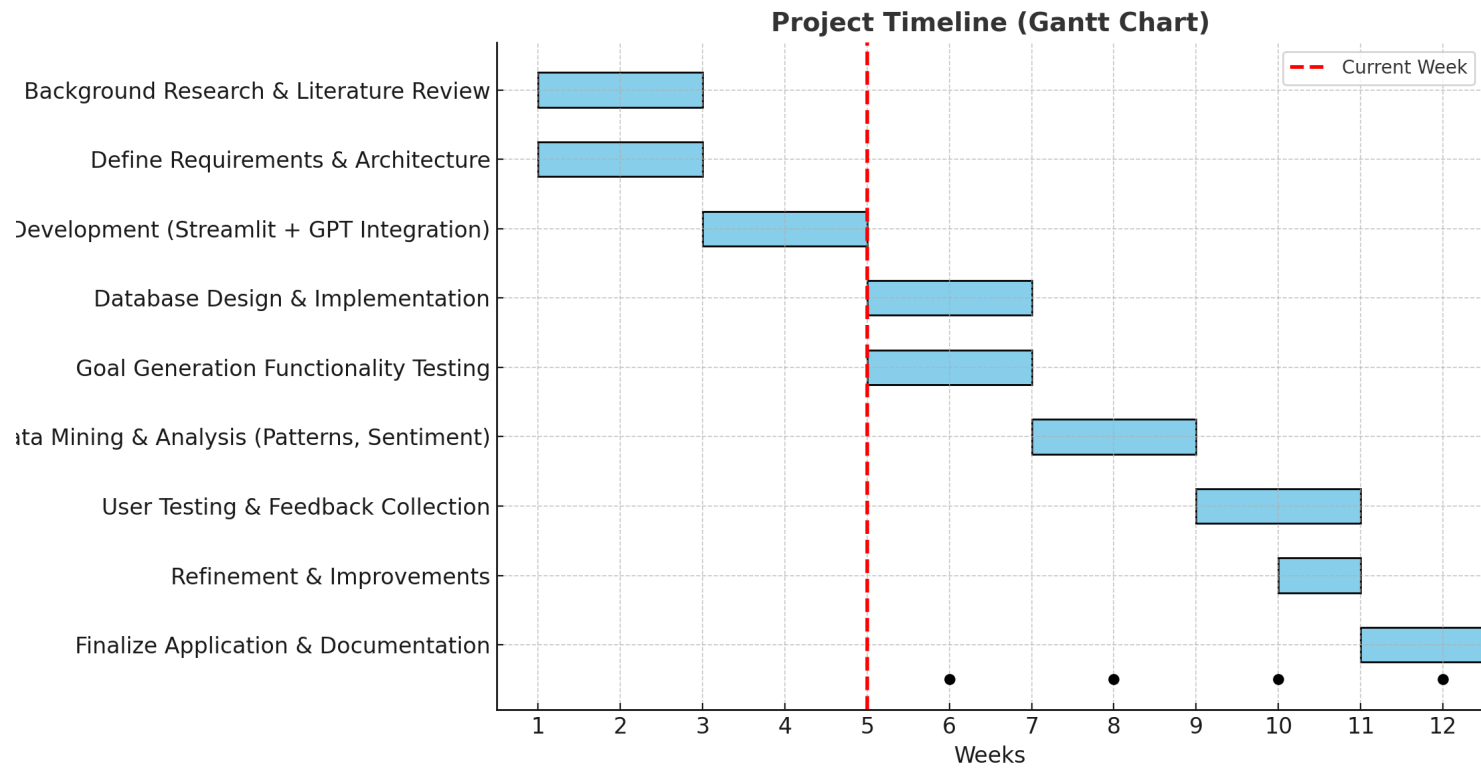
- Sentiment analysis.

- Clustering.

- Keyword extraction.

- Provides **insights into goal-setting behaviors** and emotional patterns.

Gantt Chart



Conclusion

- **Problem:** People struggle with **vague, unstructured goals**, leading to low motivation and poor achievement.
- **Gap:** Existing AI tools lack **dual-framework (SMART + CLEAR) integration** and **personalized context awareness**.
- **Solution:** *MindMapped* — an AI-powered application that:
 - Transforms ambiguous goals into **structured SMART/CLEAR objectives**.
 - Uses **behavioral inputs + NLP** for personalization.
 - Stores and analyzes data to uncover **patterns in goal-setting behavior**.
- **Outcome:** A scalable, research-based tool that empowers individuals to take **clear, confident steps** toward their goals.
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Q&A

Are there any questions?



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