**Ideation Phase**

**Define the Problem Statements**

| Date | 30 July 2025 |
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| Team ID | PNT2025TMID09555 |
| Project Name | The Roadmap Generator |
| Maximum Marks | 2 Marks |

**Problem Statements (IDEATION PHASE)**

**1. Lack of Personalized Learning Paths**

Most learners struggle to find a structured, personalized roadmap tailored to their current level, learning style, and desired skill.

**2. Overwhelming Volume of Learning Resources**

There's a vast sea of tutorials, courses, and books online — but learners don’t know which ones to trust or follow, leading to decision fatigue.

**3. No Unified Skill Progress Tracker**

Learners often lack a centralized platform to track progress through skill-building steps with checkpoints and milestones.

**4. Limited AI Integration in Learning Tools**

Traditional learning platforms don’t leverage generative AI to dynamically create content or guidance based on real-time user input.

**5. Time-Consuming Manual Roadmap Creation**

Creating a skill-learning roadmap manually (Googling, planning, organizing) is inefficient and prone to errors or inconsistency.

**6. Lack of Free, Accessible Roadmaps**

Many curated roadmaps are locked behind paywalls or premium platforms, making it hard for learners without a budget to access quality pathways.

**7. Missing Integration Between Frontend UI and Smart Backend AI**

Learners need a seamless interface where they can just type a skill (e.g., “NLP” or “Web3”) and receive a clear, actionable roadmap powered by AI — this is missing in current tools.