**Ideation Phase**

**Brainstorm & Idea Prioritization Template**

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| Date | 31 January 2025 |
| Team ID | LTVIP2025TMID52072 |
| Project Name | Learn Hub |
| Maximum Marks | 4 Marks |

**Step-1: Team Gathering, Collaboration and Select the Problem Statement**

The Learn Hub team (comprising 5 B.Tech CSE final year students from Ramachandra College of Engineering) conducted a brainstorming session on 31st January 2025. We identified major pain points students face with online learning platforms. After collaborative discussion, the selected problem statement was:

"Students and teachers often find online learning platforms complicated, fragmented, and lacking essential functionalities such as structured content delivery, certification, and easy course management."

**Step-2: Brainstorm, Idea Listing and Grouping**

The team generated multiple ideas to address the selected problem statement:

| **Idea ID** | **Idea Description** |
| --- | --- |
| I-01 | Design a centralized dashboard for students, teachers, and admins |
| I-02 | Enable course creation, section management, and multimedia content integration |
| I-03 | Implement student registration, authentication, and role-based access control |
| I-04 | Auto-generate course completion certificates |
| I-05 | Assign courses to multiple students simultaneously |
| I-06 | Enable video embedding and external article linking per course section |
| I-07 | Provide a clean, responsive, role-based UI |
| I-08 | Allow students to track progress and mark courses complete |
| I-09 | Enable admin controls to remove courses/users and view stats |
| I-10 | Implement login and security using JWT tokens |

Grouped by categories:

* User Management: I-03, I-10
* Course Management: I-01, I-02, I-05, I-06, I-08
* UI/UX: I-07
* Certification: I-04
* Admin Control: I-09

**Step-3: Idea Prioritization**

Each idea was evaluated on Impact and Feasibility. High priority ideas were identified using the MoSCoW method (Must have, Should have, Could have, Won't have for now).

| **Idea ID** | **Description** | **Priority** | **Justification** |
| --- | --- | --- | --- |
| I-01 | Centralized dashboard | Must Have | Essential for user navigation and task management |
| I-02 | Course and section creation | Must Have | Core platform functionality |
| I-03 | Role-based authentication | Must Have | Critical for secure access control |
| I-04 | Certificate generation | Should Have | Adds value and motivation for learners |
| I-05 | Bulk course assignment | Should Have | Saves teacher's time and effort |
| I-06 | Embedded videos and links | Must Have | Necessary for content delivery |
| I-07 | Clean and responsive UI | Must Have | Enhances user experience |
| I-08 | Course completion tracking | Should Have | Supports student engagement |
| I-09 | Admin control panel | Should Have | Supports scalability and platform monitoring |
| I-10 | JWT login security | Must Have | Industry standard for user authentication |

This structured brainstorming and prioritization session has helped the team align on essential features and plan the Learn Hub project effectively.