**Ideation Phase**

**Define the Problem Statements**

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| Date | 3 June 2025 |
| Team ID | SWUID20250177139 |
| Project Name | Social Media App |
| Maximum Marks | 2 Marks |

**Problem Statement: Social Media App (MERN Stack)**

Traditional social media platforms often fall short when it comes to real-time communication, effective collaboration, and data privacy. Users—especially students, freelancers, and remote teams—need a modern, secure, and intuitive platform that offers seamless interaction and robust features for sharing, discovering, and connecting in real time.

The problem is to develop a full-stack social media web application that:

* Enables real-time messaging and chat features.
* Supports post and story creation, sharing, and interaction (likes, comments, etc.).
* Provides user authentication and profile management.
* Ensures data privacy and secure communication using encryption.
* Offers post saving, content discovery, and notification mechanisms.
* Uses Socket.io for real-time communication and MongoDB for scalable data storage.

The solution must be built using the MERN stack (MongoDB, Express.js, React.js, Node.js) with Socket.io, and support modern social features like saving posts, uploading media, updating profiles, and viewing stories that auto-expire.