

## Problem Statement 2 : Smart Community Engagement Platform

Theme: Social Impact & Technology

Objective: Build a platform to foster smart engagement within communities, such as residential societies, local neighborhoods, or educational institutions. The platform should facilitate resource sharing, issue reporting (e.g., maintenance problems), event management, and real-time communication between members.

Key Features:

- 1.Community Resource Management: Members can share items (e.g., tools, books) or skills within the community.
- 2.Issue Reporting: Enable users to report issues like broken amenities or security concerns, assign them to relevant personnel, and track progress.
- 3.Event Planning: Create and manage events (e.g., cultural programs, workshops), with options for RSVPs and reminders.
- 4.Real-Time Updates: Integrate Firebase for real-time notifications and communication.
- 5.Analytics Dashboard: Use GraphQL to generate insights on community participation and recurring issues.

### Technologies to Use:

- Frontend: React
- Backend: Node.js + Express.js
- Database: MongoDB + Firebase
- GraphQL: For efficient data querying
- Other Integrations: Google Maps API for location-based community services.