

Hackathon Problem Statements – Rental & Property Domain

Unstop Ready | Rental Rooms | PG | Hostel | Flat | Buy & Sell Homes

Problem Statement 1: Rental Room, PG & Hostel Discovery Platform

Category: Web Development

Description:

Students and working professionals face difficulties in finding verified rental rooms, PGs, and hostels due to scattered listings, fake information, and lack of transparency.

Task:

Participants are required to design and develop a complete multi-page responsive website that allows users to search and explore rental rooms, PGs, and hostels based on location, budget, amenities, and availability.

Expected Outcome:

- Fully functional website (not a single landing page)
- Property listing with filters
- Responsive UI and smooth navigation

Problem Statement 2: Flat & Home Buy–Sell Listing Platform

Category: Web Development

Description:

Buying and selling flats or homes involves multiple intermediaries, incomplete information, and poor digital experiences.

Task:

Build a complete web application where users can list flats or homes for sale, browse properties, view details, and contact sellers directly. The platform should focus on clarity, usability, and real-world property workflows.

Expected Outcome:

- Buy–sell property listings
- Detailed property pages
- User-friendly and scalable design

Problem Statement 3: Property Owner & Broker Management System

Category: Web Development

Description:

Property owners and brokers struggle to manage multiple rental and sale listings efficiently using traditional methods.

Task:

Develop a property management web platform that enables owners or brokers to add, update, and manage rental rooms, PGs, hostels, flats, and homes while users can browse available properties.

Expected Outcome:

- Owner/Broker dashboard

- Listing management features
- Real-world property platform structure

Problem Statement 4: AI-Based Smart Property Recommendation System

Category: Artificial Intelligence

Description:

Users often get confused while choosing the right rental or property due to too many options and unclear comparisons.

Task:

Create an AI-based recommendation system that suggests the most suitable rental rooms, PGs, hostels, flats, or homes based on user preferences such as budget, location, property type, and amenities.

Expected Outcome:

- Intelligent and relevant recommendations
- Practical AI or rule-based logic
- Improved decision-making experience

Problem Statement 5: Open Innovation – Real-World Property Tech Solution

Category: Open Innovation (MERN / Spring Boot)

Description:

The rental and real-estate ecosystem still faces multiple unsolved challenges related to trust, discovery, management, and user experience.

Task:

Participants are free to identify any real-world problem related to rental rooms, PGs, hostels, flats, or home buy-sell and build an innovative web solution using MERN Stack or Spring Boot. Participants may take inspiration by asking ChatGPT or other AI tools, but the final solution must be original, functional, and implemented by the team.

Expected Outcome:

- Strong real-world relevance
- End-to-end working solution
- Scalable and practical architecture