



# Final Project Demonstration

## Knowledge Management

### UE17CS342

Project Title : Hostel Management System  
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## Project Abstract and Scope

- Knowledge Management teaches us how to effectively use the collective Knowledge a department/organisation/institute acquires so as to produce meaningful results.
- One of the major problems is Hostel Management because a lot of things are still manually done using paper work.
- We propose a gradual transition from paperwork to technology through **Knowledge Codification**.
- Once enough data has accumulated, we can take necessary steps to improve the existing architecture.



## Project Idea contd..

- After the data migration is done, we will attempt to process the data into knowledge.
- Using graphs and statistics, we can then determine the hidden flaws in the entire infrastructure of the existing hostel management system.



# Project Implementation

**Modules** : Student Module, Room Module, Course module  
Action Module and Admin Modules

**Tenants** : Scoped tenancy to prevent data leakage.

**Visualisation**: Helping the organisation in the visual  
representation of the acquired knowledge.







## Admin Module

Admin module gives access to various functionalities:

1. Viewing of **graphs**
2. **Manage** each room and its structure.
3. Adding/Removing/Managing **students**.



## Student Module

Student module gives access to various functionalities:

1. Viewing of **profile, room information**.
2. Managing Student Profile, adding/removing information.



## Room Module

Room module gives access to various functionalities:

1. Room Capacity
2. Fee Structure
3. Stay Duration



## Course Module

Course module gives access to various functionalities:

1. Manage course details like
  1. Course Name
  2. Course Code
2. Use this information for demographics on the platform.





## Action Module

Action module gives access to various functionalities:

1. View all courses in one place.
2. View all users in one place.
3. View all rooms in one place.
4. Add/Remove a room.
5. Edit a room.
6. Add/Remove course or edit a course.
7. Add/Remove users or edit a user's information.



# Project Impact

1. Demographics: Demographics help us study what kind of students are taking part in the hostel.
2. Student Information: Collecting student information helps us track down the areas from which our students come to the hostel.
3. Room information: What type of rooms do the students prefer?
4. Informed Decisions: All the above help us in making decision that will better benefit both the institutions as well as the students.





Thank You

