Final Project Demonstration
Knowledge Management
UE17CS342

Project Title   : Hotel Management System
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- 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.

• 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 hotel 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 gives access to various functionalities:

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

Student module gives access to various functionalities:

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

Room module gives access to various functionalities:

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

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 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