VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELGAUM - 590018

Synopsis Report on

"House Rental Management System"

A Mini Project submitted for the partial fulfillment of the requirements for

DATABASE MANAGEMENT LABORATORY

of

BACHELOR OF ENGINEERING

in

COMPUTER SCIENCE

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Introduction:

Rental management system is a database system to manage all the information of tenants efficiently by owner. With the current paradigm shift in technological field, there is an urgent need to shift rental management from paper to computer. Hence there is need to develop a House Rental Management Project. The House Rental System is based on the Owners and the Customers. The owner can easily manage tenant's details about the Room space, Room rent and the Address Details etc. The Home Rental Management System is best suitable for the owners because it saves lot of time. Hence this system is best applicable for the above reasons making House rental an easy process through an online system.

Objective:

The main objective of the Rental Management System is to manage the details of tenants. It manages all the information like name, address, contact, ID proof etc. Project is totally built at administrative end. The purpose of the project is to reduce manual work for managing tenant's details.

Features:

➢ Secure login to the system.
➢ Provide searching facility.
➢ It can track all the information from number of families to the pending rents.
➢ Editing, adding, deleting and updating record can be done for the proper management.
➢ It can generate rent payment receipt to the tenants.

Front-end: HTML, JAVASCRIPT, and CSS

Backend: PHP, MySQL, APACHE (Server)

- PHP is a recursive acronym for PHP; hypertext pre-processor.

- PHP is a server-side scripting language that is embedded in HTML. It is used to manage dynamic content, databases, session tracking, even build entire e-commerce sites.

- PHP-syntax is C-like.

- It can be integrated with a number of popular databases including MySQL, Oracle, Sybase, Informix, and Microsoft SQL server.

- MySQL is an open source **Relational Database Management System (**RDBMS**)** is based on **Structured Query Language (**SQL**)** which is used to define, manipulate, control and store the information in the database.

- MySQL can store many forms of data from text to objects and graphs.

- MySQL offers cross-platform support.

Entities and Attributes:

- **Owner(**Id, Password**)**
- **Tenants(**F_name, M_name, L_Name, E-mail, Purpose, Address, Contact_no, Gov_Id**)**
- **Payment(**Receipt, Pay_amount, Pay_date, Pending_amount, Transaction_id**)**
- **Room(**1BHK, 2BHK, 3BHK**)**
- **Bed(**Bed_type, No_of_beds**)**
- **Fan(**No_of_fans**)**
- **Lights(**No_of_lights**)**

ER Diagram: