

## **Mini Project Proposal Submission - Guidelines**

Approval of the mini project proposal is mandatory to continue and submit the project work.

The mini project proposal should clearly state the project objectives and the environment of the proposed project to be undertaken.

The following documents are to be submitted for approval

1. Proforma for approval of the Mini Project
2. Synopsis/Abstract with following contents
  - (a) Title of the Mini Project
  - (b) Introduction/Overview of the Project
  - (c) Motivations of the Project
  - (d) Problem Definition and Objectives of the Project
  - (e) Basic functionalities of the Project
  - (f) Project Developing Environment

### **Note:**

1. An editable PDF is given in the 2nd page for filling the Proforma. Fill all the appropriate entries.
2. Template format for preparing the Mini Project Synopsis/Abstract is given in the 4th page of this document.

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PROFORMA FOR THE APPROVAL OF THE FIFTH SEMESTER MINI PROJECT

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(Note: All entries of the proforma for approval should be filled up with appropriate and complete information. Incomplete proforma of approval in any respect will be rejected.)

Mini Project Proposal No : \_\_\_\_\_  
(Filled by the Department)

Batch: 2023-25

1. Title of the Project : APARTMENT VISITORS MANAGEMENT SYSTEM
2. Name of the Guide : MR.VASUDEVAN
3. Register Number of the Students : MES23MCA-2032
4. Date of Submission : 29/07/2024
5. Student Details (in BLOCK LETTERS)

Name	Roll Number	Signature
MOHAMMED SHAHEEL KP	32	

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**For Office Use Only**

**Approval Status :** Approved/Not Approved

Comments/Suggestions :

Signature of Committee Members:

First Review Comments/Suggestions :

Second Review Comments/Suggestions :

Final Review Comments/Suggestions :

Dated Signature of Committee Member

Dated Signature of HOD

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# APARTMENT VISITORS MANAGEMENT SYSTEM

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## 1 Introduction

The Apartment Visitors Management System is a software solution designed to enhance security and streamline the management of visitor access in residential apartment complexes. This system provides an efficient way to track, monitor, and manage visitor entries while ensuring the safety and convenience of residents.

## 2 Motivation

Streamline the process of registering and welcoming visitors, reducing wait times and administrative burdens. Enhance communication between residents and the management office regarding visitor arrivals and departures. Collect and analyze data on visitor patterns to identify potential security risks or areas for improvement.

## 3 Objective/Problem Statement

- Enhanced security and monitoring.
- Organized visitor management.
- Easy access to visitor history and reports.
- Improved communication between admin and residents.

## 4 Functionalities

- Visitor Registration:
  - Allow admins to manually register visitors.
  - Capture visitor information (name, contact details, purpose of visit).
- Visitor Approval:
  - Provide admins with the ability to approve or deny visitor requests.
  - Implement a notification system to inform residents of approved or denied requests.
- Visitor Tracking:
  - Track the entry and exit times of visitors.
  - Monitor visitor locations within the complex.

## 5 Developing Environment

- OS : Windows 10
- Frond-End : HTML,CSS &Java Script
- Back-End : Python
- Database: MySQL

- IDE : VS Code
- Framework : Django

## **6 Conclusion**

In conclusion, the Apartment Visitors Management System represents a significant advancement in ensuring the safety and efficiency of visitor management in residential complexes. By automating the tracking and monitoring of visitor access, the system not only enhances security but also simplifies the process for both residents and management. This solution addresses the pressing need for improved safety measures while fostering a welcoming environment for guests. Ultimately, the Apartment Visitors Management System contributes to a more secure, efficient, and community-focused living experience, making it an invaluable tool for modern residential management.