

**A Minor Project Synopsis**  
**on**  
**Minor Project Mangement System**

Submitted to Manipal University Jaipur  
towards the partial fulfillment for the award of the degree of  
**Bachelor of Technology**  
**In Information Technology**

By  
**Aryahi Srivastava**  
**209302013**  
**Section A**  
**&**  
**Mumuksh Srivastava**  
**209302191**  
**Section C**

Under the Guidance of  
**Rahul Saxsena**



**MANIPAL UNIVERSITY**  
**JAIPUR**

**Department of Information Technology**

# **School of Information Technology**

## **Manipal University Jaipur**

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### **Synopsis**

#### **1. Introduction**

A minor management system is a software solution that helps institutes to handle the selection and distribution of minor project topics provided by different faculty members. It creates an environment that can be accessed by students, and faculty members to update grades/feedback, select and display their choice of projects without any messy inconvenience.

Students would be able to view faculty member details the description of all the projects listed by the individual professors while the faculty member would be able to view the student details of the students who will choose them as their guide. Another feature will be called “student count” where the count of students that are already working under faculty would be visible.

#### **2. Motivation**

MUJ does not have a Minor project management system. This will help our college facilitate the hectic task of project distribution more efficiently, also it will help keep track of all the data in a systematic order.

#### **3. Project Objectives**

- Keep Track and Manage MUJ Minor project management system
- Automation of tasks
- User friendly UI/UX

#### **4. Methodology/ Planning of work:**

##### **Methodology:**

1. Requirements gathering: The first step in the development process will be to gather requirements from the stakeholders. This will involve conducting interviews with the project managers, students, and other relevant personnel. The purpose of this stage is to understand the project requirements and make sure that the project meets the stakeholders' expectations.

2. System Design: Based on the requirements gathered, the system design will be developed. This stage will include creating a flowchart of the system and defining the architecture of the application.
3. Database design: The next step will be to design the database that will store all the project details. The database will be designed to be scalable, secure, and user-friendly.
4. Development: The development stage will involve coding the application based on the system design and database design. This stage will take the most time and will require the collaboration of multiple developers.
5. Testing: After the development stage, the application will be tested to make sure that it meets the requirements and that it is free of bugs.
6. Deployment: After the testing stage, the application will be deployed and made available to the users.
7. Maintenance: The final stage will be maintenance, which will involve fixing any bugs that are found and making updates to the application based on user feedback.

## **5. Facilities required for proposed work:**

### H/W

- Computer , laptops and smartphones

### S/W

- Any operating system which supports latest web browsers (chrome,safari etc)
- Programming languages – HTML,CSS,javascript and SQL
- Frameworks- Node.js , react

## **Bibliography/References**

<https://www.udemy.com/course/the-complete-javascript-course/>  
<https://www.youtube.com/@TraversyMedia/featured>  
[https://www.youtube.com/watch?v=nu\\_pCVPKzTk&t=11946s](https://www.youtube.com/watch?v=nu_pCVPKzTk&t=11946s)