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**Mini Project Synopsis**

**On**

**ROOMMATE FINDER**

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**For the Degree of**

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**In**

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## **LIST OF CONTENT**

<b>PAGE NO</b>	<b>TITLE</b>
<b>1-3</b>	<b>ABSTRACT</b>
<b>4</b>	<b>DECLARATION</b>
<b>5</b>	<b>CERTIFICATE</b>
<b>6</b>	<b>ACKNOWLEDGEMENT</b>
<b>7-8</b>	<b>INTRODUCTION</b>
<b>9-12</b>	<b>INITIAL RESEARCH</b>
<b>13-15</b>	<b>PROBLEM STATEMENT</b>
<b>16-26</b>	<b>PROPOSED METHODOLOGY</b>
<b>27</b>	<b>CONCLUSION</b>
<b>28</b>	<b>REFERENCES</b>

# **ABSTRACT**

Room and Roommate Finder is a modern, user-friendly platform designed to simplify the process of finding rooms and compatible roommates. It provides users with customizable search options to find accommodations or roommates based on factors like location, budget, preferences, and lifestyle compatibility. The platform ensures a seamless experience for both individuals searching for accommodation and those looking to share theirs. Built using Node.js with Express.js, MongoDB, HTML, and Tailwind CSS, Room and Roommate Finder is robust, scalable, and designed to cater to users from diverse backgrounds.

## **Key Features**

### **Personalized Room and Roommate Search**

- Users can search for rooms or roommates using multiple filters, including location, budget, preferred lifestyle, and more.
- This level of customization ensures users can find accommodations or roommates that align perfectly with their preferences.
- Each listing provides a detailed profile page, allowing users to make informed decisions before contacting the listing owner.

### **Dynamic Backend with Node.js and Express.js**

- The platform is powered by a Node.js and Express.js backend, providing a fast, secure, and scalable foundation for managing server-side logic and API endpoints.
- The use of Express.js ensures streamlined routing and efficient handling of user requests.

### **Real-Time Data Storage with MongoDB**

- MongoDB serves as the primary database, allowing efficient storage and retrieval of user data, room listings, and roommate profiles.
- The flexibility and scalability of MongoDB make it ideal for handling the platform's growing data requirements.

### **User Authentication and Profile Management**

- Room and Roommate Finder features a secure login system, enabling users to create and manage profiles.
- User data, including accommodation preferences and personal details, is stored securely in MongoDB, ensuring data integrity and privacy.