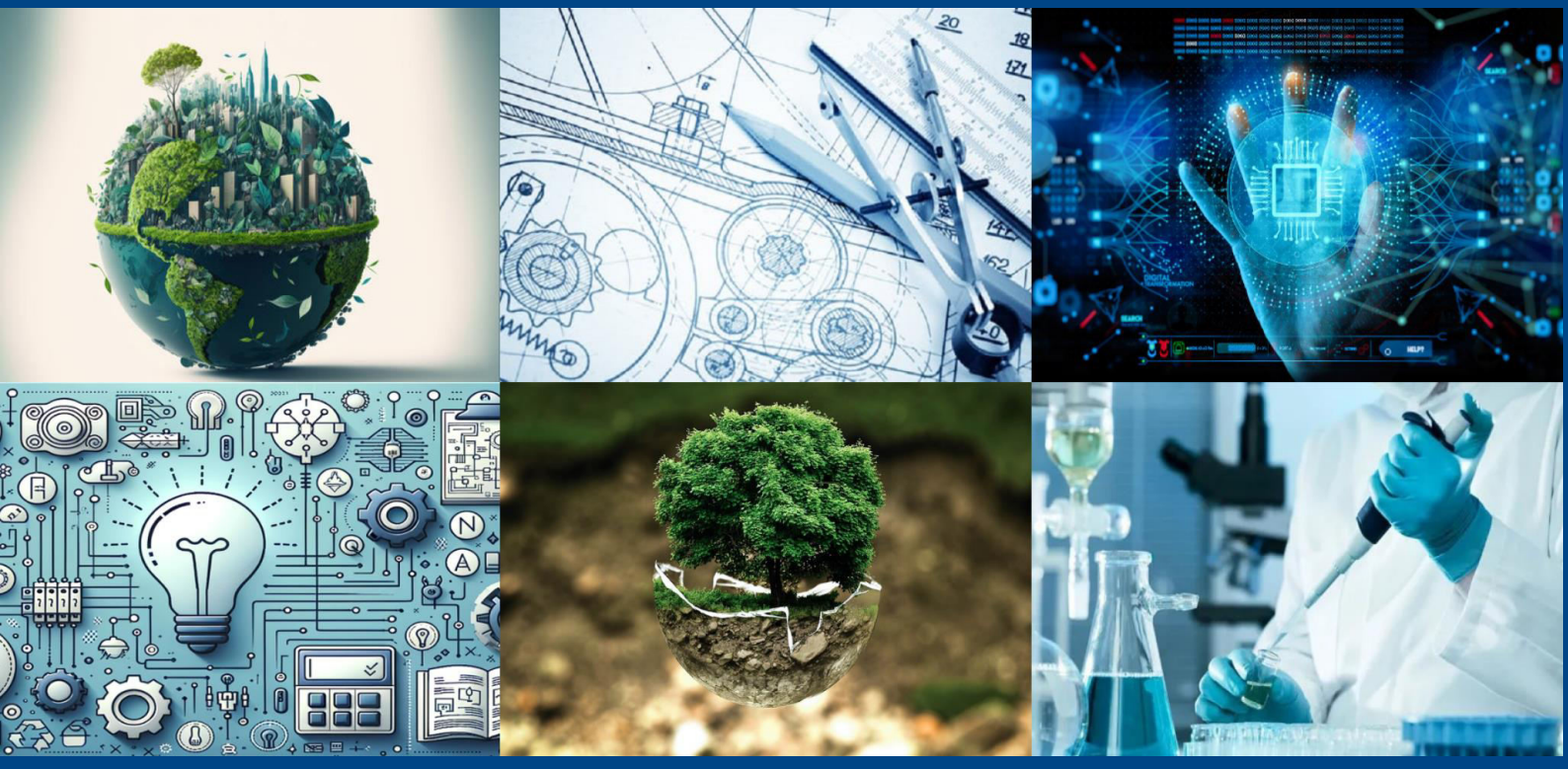
ISSN: 2582-7219

International Journal of Multidisciplinary Research in Science, Engineering and Technology

(A Monthly, Peer Reviewed, Refereed, Scholarly Indexed, Open Access Journal)



Impact Factor: 8.206

Volume 8, Issue 5, May 2025

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ISSN: 2582-7219 | www.ijmrset.com | Impact Factor: 8.206| ESTD Year: 2018|

International Journal of Multidisciplinary Research in Science, Engineering and Technology (IJMRSET)

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Examination Automation Management System

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ABSTRACT: The Examination Automation Management System (EAMS) is developed to modernize and simplify the exam processes in educational institutions. Traditional exam management often involves a lot of manual work, which can lead to errors, delays, and inefficiencies. EAMS addresses these challenges by automating critical tasks such as exam scheduling, seating arrangements, invigilation duty allocation, and hall ticket generation. The system offers a user-friendly platform for administrators, faculty, and students, making the examination process smoother, faster, and more reliable. By centralizing all exam-related activities and providing real-time updates and notifications, EAMS improves communication, reduces manual errors, ensures better data security, and saves valuable time and resources. This project demonstrates how automation can enhance the transparency, efficiency, and overall management of examinations, setting a strong foundation for future advancements like AI-driven monitoring and online exams.

KEYWORDS: Exam Block Allocation System, Exam Seat Allocation System, Exam Seat Arrangement.

I. INTRODUCTION

Examinations play a vital role in evaluating students' knowledge, learning progress, and academic performance. However, as educational institutions grow in size and complexity, managing examinations manually has become increasingly difficult. Traditional exam management involves tedious tasks like scheduling, seating arrangements, hall ticket generation, invigilation assignment, and result processing, which often lead to human errors, delays, and miscommunication.

To address these challenges, the Examination Automation Management System (EAMS) was developed. This system aims to automate and streamline the entire examination workflow using modern digital tools and technologies. By providing a centralized platform for administrators, faculty, and students, EAMS ensures efficient scheduling, secure handling of student data, automated seat allocation, invigilator duty management, real-time notifications, and quick hall ticket distribution.

Through automation, EAMS not only saves time and reduces manual workload but also enhances transparency, accuracy, and security in the examination process. It is designed to deliver a seamless experience for all stakeholders, improving the overall effectiveness of academic institutions in managing their examinations.

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II. LITERATURE SURVEY

SRNO.	AUTHORS	TITLE	APPROACH	PUBLICATIONS
[1]	Divya H, Nandhini S., Shobana S. and Dr. M. Sujithra	Examination management system	This examination management system includes many key features and modules. It includes Plan and Register module, Question Paper module, Conducting Exams modules, and evaluate and Publish module.	International Journal of Advance Research (IJAR) January 2021
[2]	R.Gokila1 , Antony Rohan Dass	Examination Hall and Seating Arrangement Application using PHP	This is developed for the college to simplify the allocation of halls and issue hall tickets to students during exams. It facilitates to access the examination information of a particular student in a particular department.	International Journal of Engineering Science and Computing, February 2018
[3]	Vamsi Krishna Yepuri, Gopi Chand Pamu, Naveen Kodali , Pradyumna L V	Examination Management Automat ion System	Its is to computerize the traditional way of conducting exams. It is a web and android application created using Python. It can be used by students and exam cell coordinator using their smart phones or PCs.	International Research Journal of Engineering and Technology (IRJET), Apr-2018
[4]	Dinesh Chandewar, Mainak Saha, Pushpraj Deshk ar, Pankaj Wankhede, Prof. Suwarna Hajare	Automatic Seating Arrangement of University Exam	The main agenda of the paper is to lessen the mammoth task of manually allocating seats during an examination .The tool provides an effective measure to dynamically allocate students in a classroom.	IJSTE - International Journal of Science Technology & Engineering , March 2017

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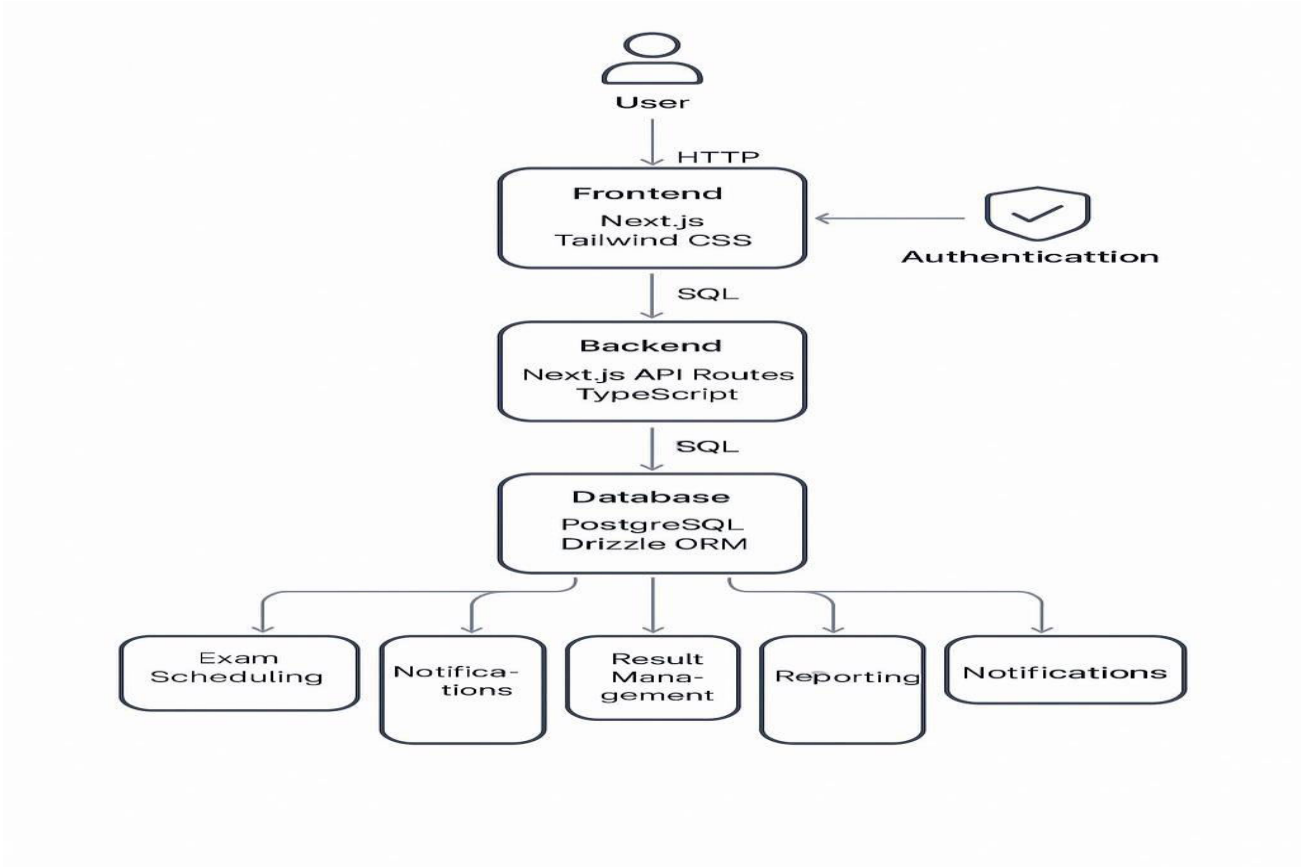
III. SYSTEM ARCHITECTURE



IV. RESULT ANALYSIS

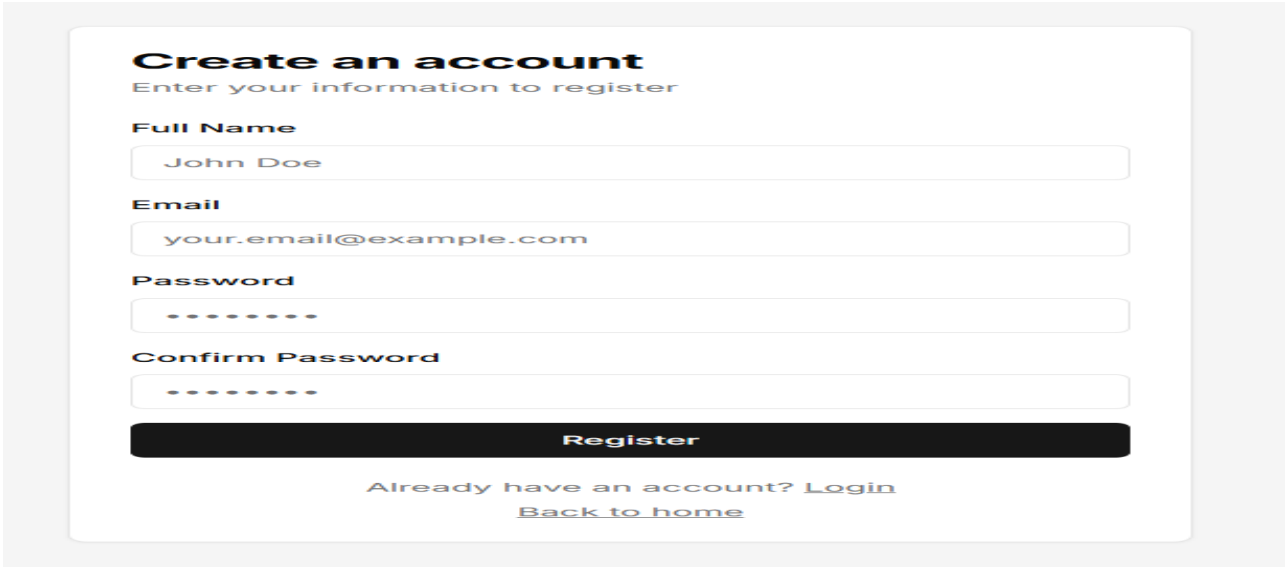


Fig1-Registration /Login

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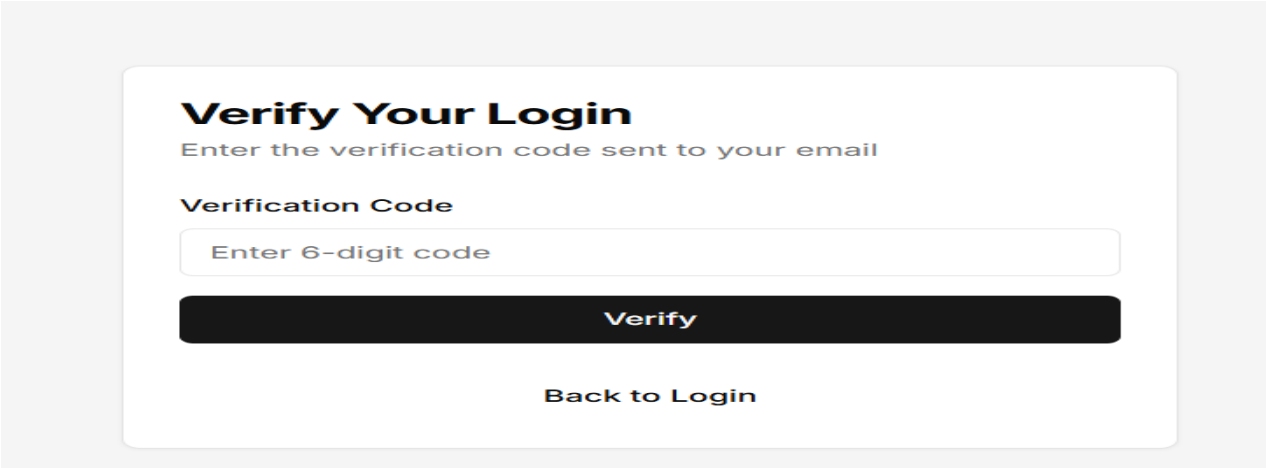

Fig 2-Verification

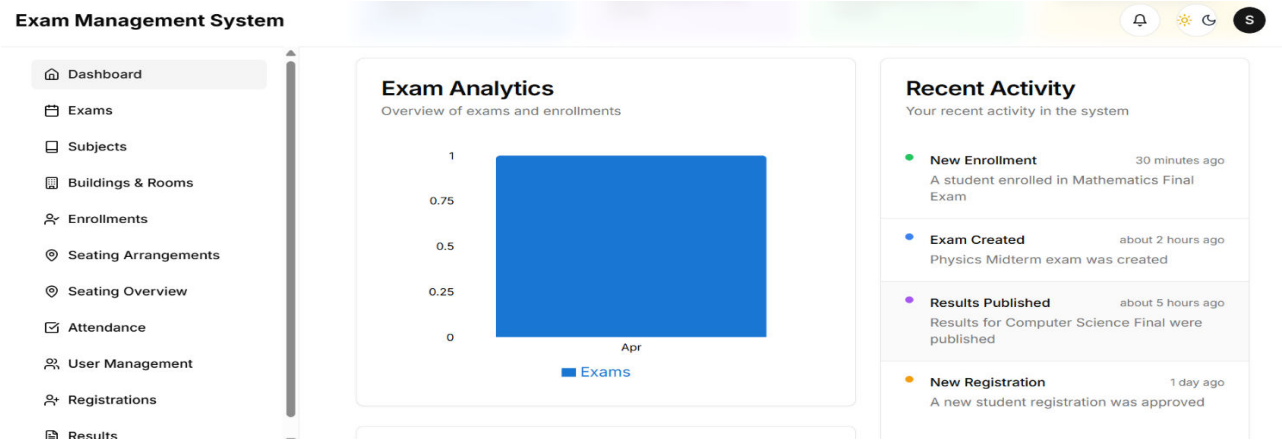

Fig 3- Dashboard

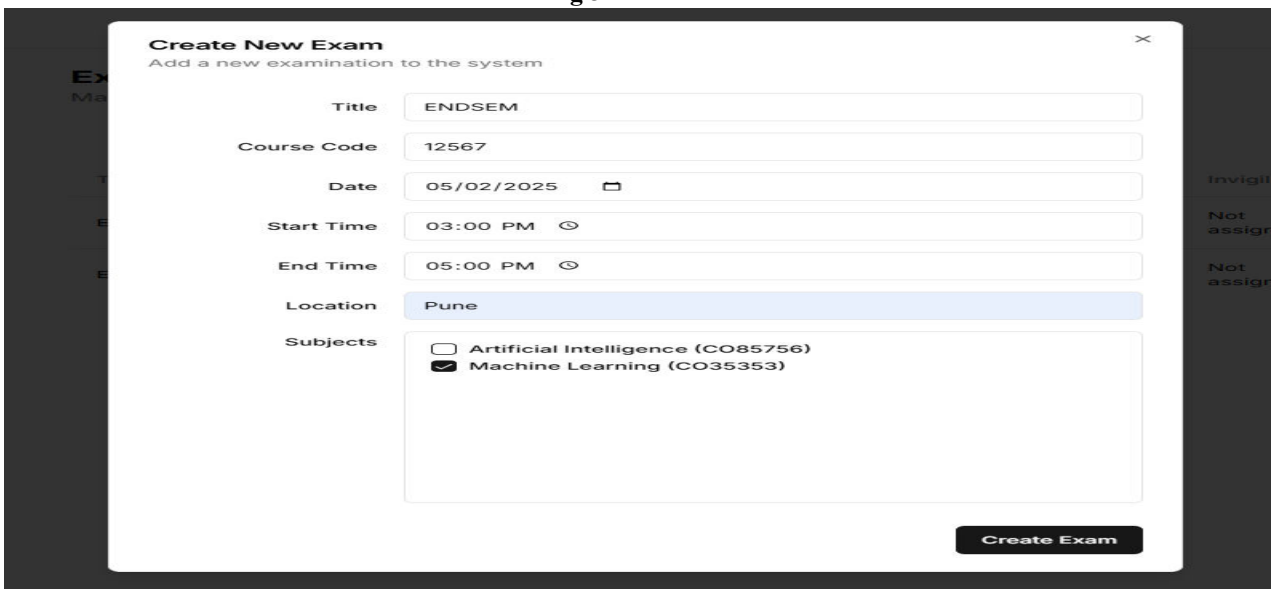

Fig 4-Create New Exam

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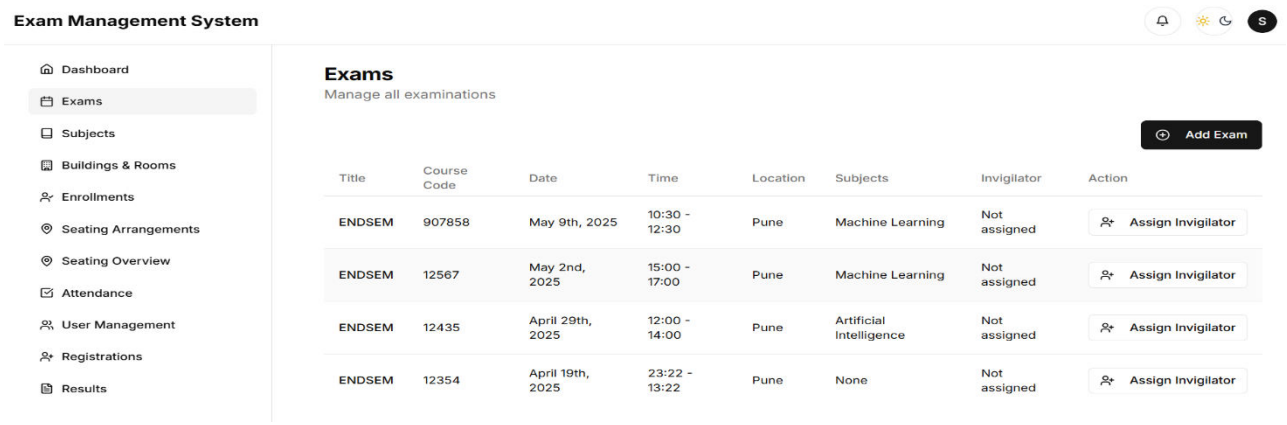

Fig 5- Exam Details

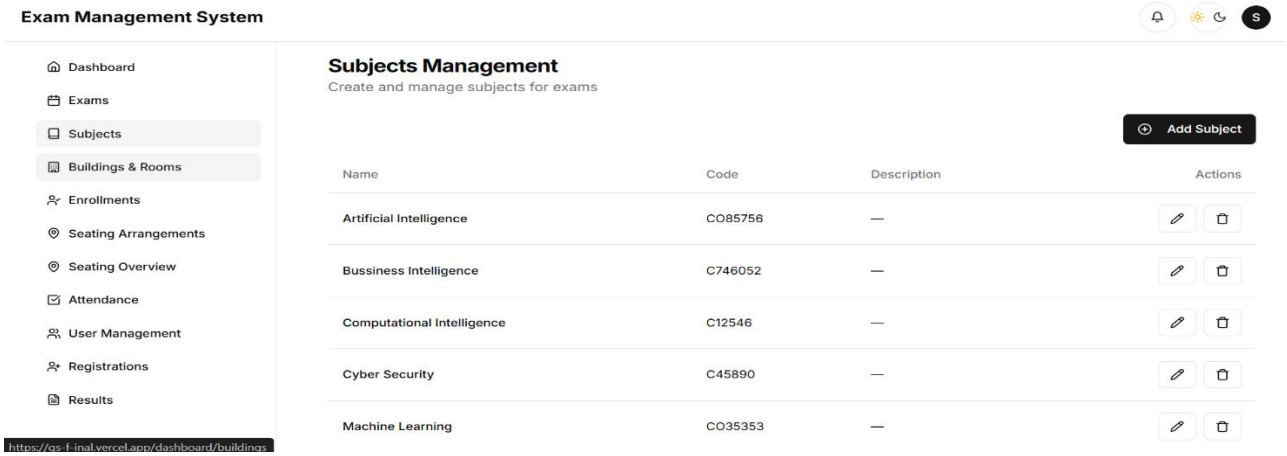

Fig 6-Subject Management

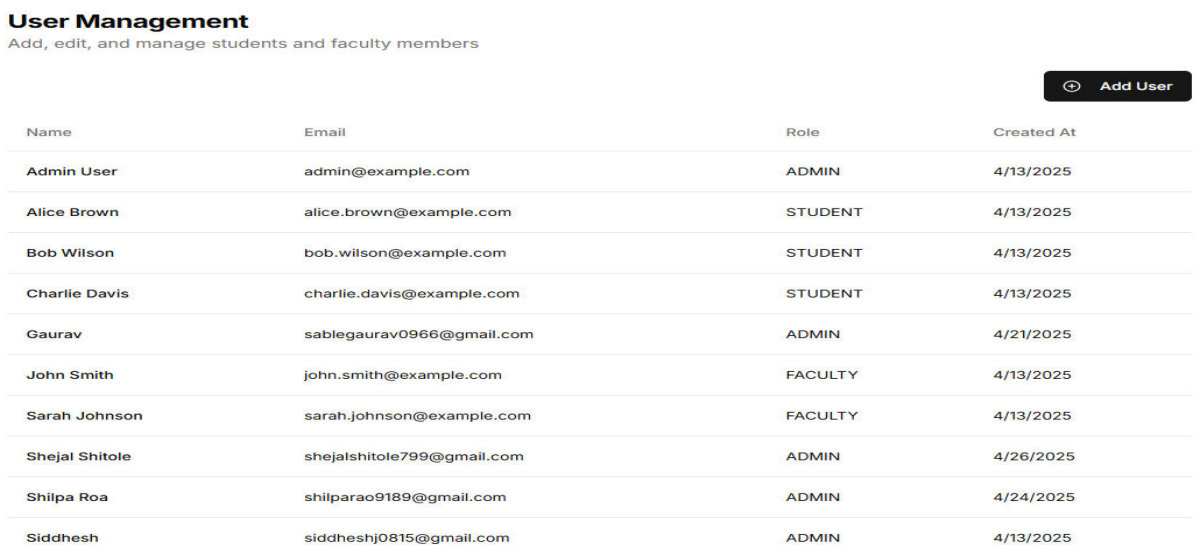

Fig 7-User Management

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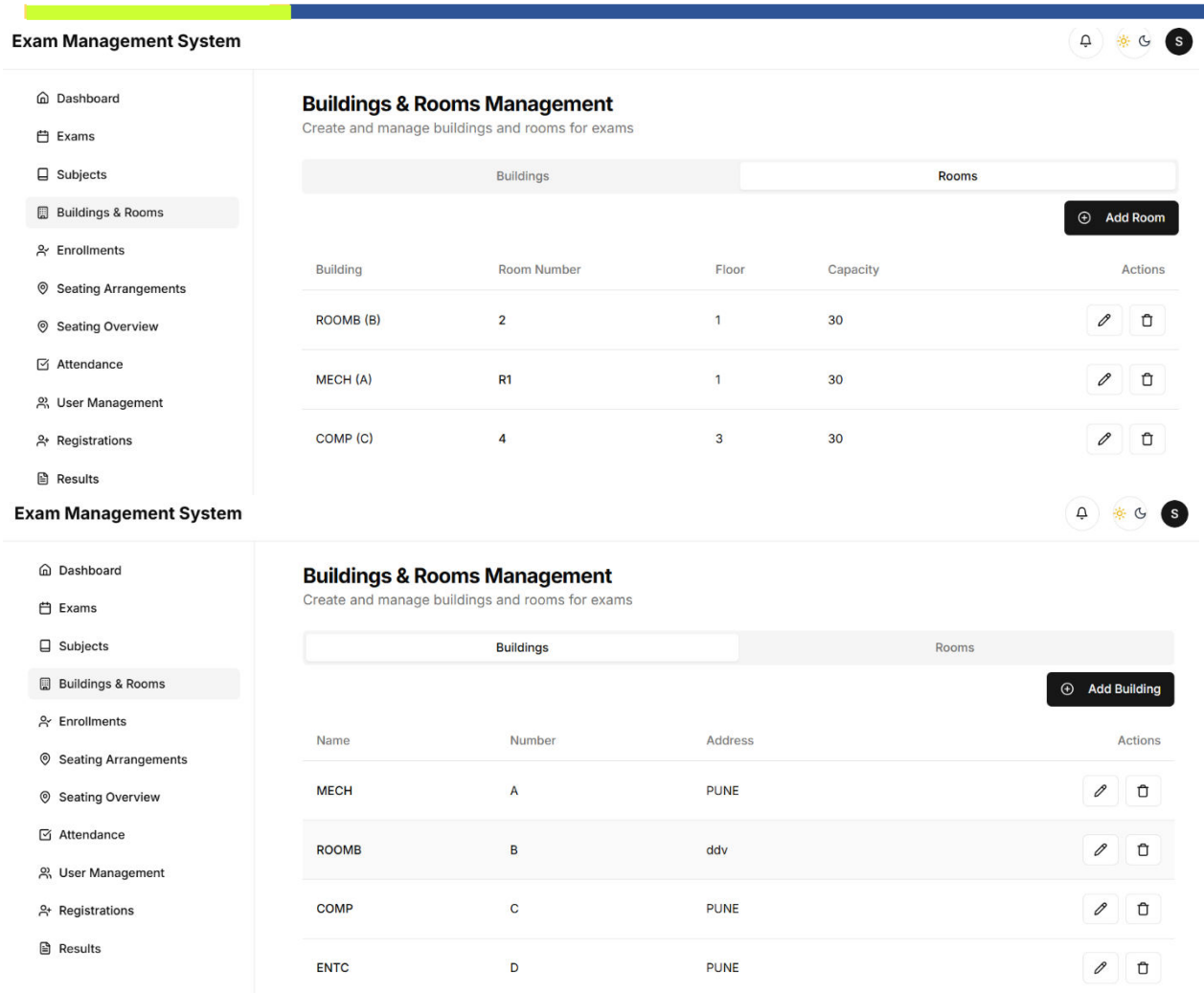

Fig 8-Buildings & Rooms Management

V. CONCLUSION

The Examination Automation Management System (EAMS) makes handling exams much easier and more reliable for educational institutions. By automating key processes like scheduling, seating arrangements, invigilation duties, hall ticket generation, and result management, the system saves a lot of time and effort. It reduces the chances of errors that usually happen with manual work and helps maintain a smooth and organized examination process.Students, faculty, and administrators all benefit - students get clear exam details, faculty are notified of their duties in advance, and administrators can manage the whole exam system efficiently. Plus, the system improves data security, ensures accuracy, and allows institutions to cut down costs related to manual exam handling.

VII. ACKNOWLEDGEMENTS

We would like to express our sincere gratitude to Prof. Vikas Gaikwaid, our guide, for his invaluable support, encouragement, and guidance throughout the development of our project, *Examination Automation Management System*. His insights and expertise have been instrumental in helping us complete this work successfully.We are also thankful to the Department of Artificial Intelligence and Data Science at Shree Ramchandra College of Engineering for providing us with the opportunity and resources to work on this project.Finally, we extend our heartfelt thanks to our teammates, friends, and family members for their continuous support, motivation, and cooperation during this journey.

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