



HACKATHON MANAGEMENT SYSTEM USING MERN STACK

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INTRODUCTION

- Briefly introduce the hackathon management system
- Discuss the importance of managing hackathons efficiently
- Outline the key points to be covered in the presentation

EXISTING SYSTEM

- Manual registration processes
- Use of spreadsheets to track participants
- Lack of a centralized system for information

DISADVANTAGES

- Time-consuming manual processes
- High potential for errors and data inaccuracies
- Difficulty in coordinating and communicating with participants

PROPOSED SYSTEM

- Automated online registration and management
- Real-time updates and notifications
- Centralized database for all hackathon information

ADVANTAGES

- Increased efficiency and accuracy
- Improved user experience for participants and organizers
- Easy access to information and updates

SYSTEM REQUIREMENTS

- Hardware: Server, personal computers
- Software: Node.js, MongoDB, React, Express
- Other: Internet connectivity, domain name, SSL certificate

SYSTEM ARCHITECTURE

- Client-Server Architecture
- React frontend interacting with Express backend
- MongoDB for database management

MODULES

- User Management: Register and manage users (students, admin)
- Hackathon Management: Create and manage hackathon events
- Registration: Handle participant registrations
- Prize Management: Allocate and display prizes for winners

CONCLUSION

- Summarize the benefits of the new system
- Highlight key takeaways
- Mention future enhancements