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RANNLAB

PROJECT REPORT

Empowering Your Enterprise
for Success

Prepared for

RAMEC Ghatampur

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1. INTRODUCTION

Ram Ashrey Memorial Education Center Ghatampur is dedicated to providing a personalized and engaging learning experience. The institution sought a modern, dynamic platform to manage academic content and improve communication with students and parents. The goal is to create an accessible and efficient system.

2. RESEARCH & ANALYSIS

The project was based on thorough research to ensure the platform meets the needs of students, parents, and educators in a competitive educational environment.



UNDERSTANDING REQUIREMENTS

Project overviews give users a first impression of your platform, showcasing why Ram Ashrey Memorial Education Center Ghatampur is the right choice and the value it offers.



COMPETITOR ANALYSIS

Analyzed similar educational platforms to understand current trends, identify key strengths, and uncover opportunities for improvement.



MARKET DEMAND

Studied the needs and preferences of students and parents to ensure the platform's content and features align with educational requirements.

This phase ensured our approach was data-driven & aligned with project requirements and goals.

3. UI DESIGNING

The next step was to translate our research into a user-friendly design: After designing, RAMEC Ghatampur's team will approve the design after multiple iterations, paving the way for the development phase.

1

WIREFRAMES & PROTOTYPES

Designed wireframes for RAMEC Ghatampur to ensure easy and intuitive navigation.

2

CLIENT COLLABORATION

Collaborated extensively with RAMEC Ghatampur to enhance the platform, ensuring it aligns with their vision.

2

RESPONSIVE DESIGN

Ensured the RAMEC Ghatampur platform provides a smooth visually appealing experience.

4. PROBLEM STATEMENT

Developing a scalable platform for Ram Ashrey Memorial Education Center Ghatampur presented challenges such as incorporating custom features, ensuring mobile responsiveness, optimizing performance and simplifying management.

1. SCALABILITY

The platform needed to support a variety of academic content, such as notice homework, and results.

2. USER EXPERIENCE

Both users required an intuitive interface to navigate & explore educational content effectively.

3. CONTENT MANAGEMENT

RAMEC Ghatampur needed a CMS for easy content updates by non-technical staff.

5. PROPOSED SOLUTION

To address the client's challenges, we implemented:



Custom Post Types

Created tailored post types for notices, homework, events, results, and student details to simplify content organization.



Dynamic Search and Filtering

Advanced filters enhance search functionality, improving the experience for students & parents at RAMEC Ghatampur.



CMS Optimization

Tailored the platform dashboard to allow non technical users at RAMEC Ghatampur to effortlessly update & manage content.



Performance Enhancements

Optimized loading times through caching, content refinement, & adaptive streaming, ensuring a smooth & efficient experience.

6. RESULTS

The newly developed platform enabled RAMEC Ghatampur to:

- Simplify content management & communication with students.
- Enhance engagement with both students & faculty members.
- Improve visibility through efficient updates and notifications.