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**RANNLAB**

# PROJECT REPORT

Empowering Your Enterprise  
for Success

Prepared for

**SchoolCare UDCS**

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# 1. INTRODUCTION

SchoolCare UDCS Fatehabad is an innovative platform designed to enhance the educational experience. It aimed to develop a modern, scalable, and dynamic system to efficiently manage academic content, communicate with students and parents, and support overall school growth. The goal was to create an intuitive platform.

## 2. RESEARCH & ANALYSIS

The project was based on thorough research to ensure the platform meets the needs of students, parents, and educators effectively.



### UNDERSTANDING REQUIREMENTS

Project overviews are the first impression potential users have when visiting your platform. They provide an opportunity to showcase why SchoolCare UDCS Fatehabad is the right choice.



### COMPETITOR ANALYSIS

Researched similar platforms in the education sector to identify trends, strengths, and areas of improvement.



### MARKET DEMAND

Studied user needs and preferences to ensure that the content and features of SchoolCare UDCS Fatehabad align with the expectations of students.

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

### 3. UI DESIGNING

The next step involved transforming our research into an intuitive design: After several iterations, the SchoolCare UDCS Fatehabad team will finalize the design, allowing the development phase to begin.

1

#### WIREFRAMES & PROTOTYPES

Developed initial wireframes to define the structure of the SchoolCare UDCS platform.

2

#### CLIENT COLLABORATION

Collaborated with the client to enhance the platform, ensuring it aligned with their requirements & expectations.

2

#### RESPONSIVE DESIGN

Optimized for all devices, ensuring a smooth and engaging experience.

### 4. PROBLEM STATEMENT

Developing a scalable SchoolCare UDCS Fatehabad platform involved challenges like integrating custom features, ensuring responsiveness, optimizing performance, and maintaining ease of management within the project's timeline.

#### 1. SCALABILITY

The platform needed to handle various academic content, such as class materials, assignments.

#### 2. USER EXPERIENCE

Both students and parents required an intuitive interface to navigate and explore academic.

#### 3. CONTENT MANAGEMENT

The school required a CMS that allowed non-technical staff to effortlessly update, manage.

## 5. PROPOSED SOLUTION

To address the client's challenges, we implemented:



### Custom Post Types

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



### Dynamic Search and Filtering

Integrated advanced filters to improve search functionality and enhance the user experience for students and parents.



### CMS Optimization

Tailored the platform dashboard to allow non-technical users at SchoolCare UDCS Fatehabad to effortlessly update.



### Performance Enhancements

Optimized loading speed through caching, content refinement, and adaptive streaming to ensure smooth performance

## 6. RESULTS

The newly developed platform enabled SchoolCare UDCS to:

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