

Project Proposal

Student Management System



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Approval

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<i>Course</i>	:	NVQ – 05 (ICT)
<i>Year</i>	:	2024
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<i>MIS No</i>	:	JK23ICT5D20005
<i>Project Title</i>	:	STUDENT MANAGEMENT SYSTEM (SMS)

.....
Instructor

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Abstract

Our project aims to develop a comprehensive Student Management System that streamlines administrative tasks related to student information, academic records, and performance tracking. The system will enhance efficiency, reduce manual effort, and provide a user-friendly interface for both students and administrators.

Introduction

In the current manual system, student-related activities are time-consuming and costly. This proposed Student Management System will address these challenges by automating processes and providing a centralized platform for managing student data. The system will consist of 3 main modules

1. Admin Module:

2. Instructor Module:

3. Student Module:

System Analysis

- **Existing System**

Existing System The existing system relies on manual Attendance-marking, which involves maintaining numerous student records and entering details manually. This process is prone to errors and inefficiencies. Our proposed system aims to overcome these limitations by introducing automation and structured data management.

- **Proposed System**

This Student Management System will offer the following features:

- 1. User-Friendly Interface:**

- a. Intuitive design for ease of use.*

- 2. Role-Based Access Control:**

- a. Secure access for administrators and students.*

3. Admin Module:

*Login,
Manage Profile,
View daily attendance of (Instructors and Students),
ADD, UPDATE, DELETE Instructors,
Set Alerts for (Instructors and Students).*

4. Student Module:

*Register or Login,
Manage Profile,
View Students Attendance,
Mark their daily attendance,
Download Assignments, Test Papers, Notes,
Read Alerts from Admin and Set Alerts to Students*

5. Instructors Module:

*Login,
Manage Profile,
View Students, Instructors Attendance,
Mark their daily attendance,
Share Assignments, Test Papers, Notes to Students,
Read Alerts*

TimeLine

Planning

Duration – 4 Days

Define project scope, objectives, and requirements

01

Analysis

Duration – 1 Week

Conduct a detailed analysis of the current system and identify areas for improvement

02

Create Project Proposal

Duration – 1 Day

03

Design

Duration – 2 Weeks

Design the system architecture, including database structure, user interface and system modules

04

Development

Duration – 2 Weeks

Implement the system based on the design specifications.

05

Testing

Duration

1 Weeks

Conduct the system testing to identify and fix any bugs or issues

06

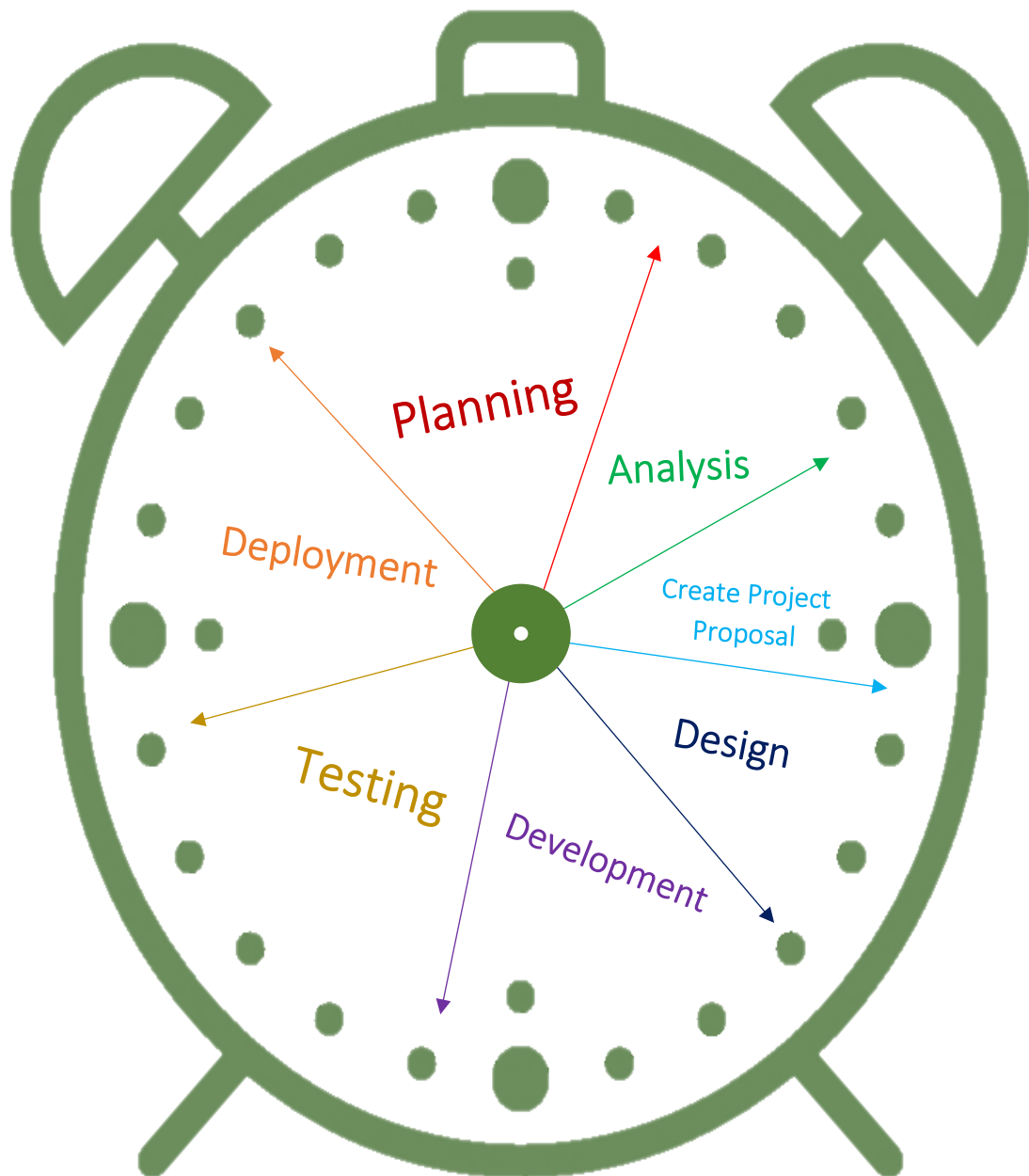
Deployment

Duration

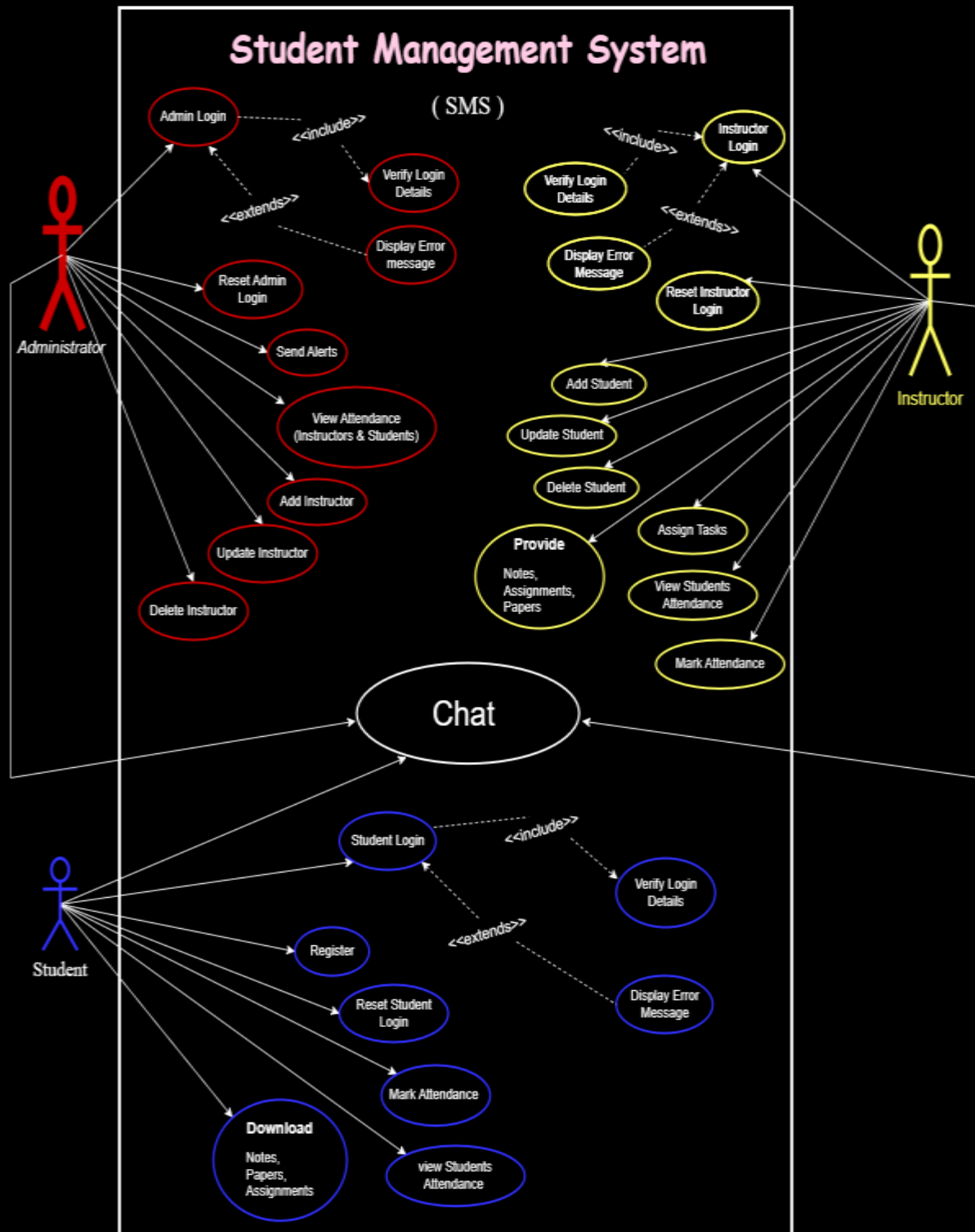
2 Days

07

TimeLine



Use Case Diagram



Use Case Diagram for Student Management System

Tools Used to Build

1) Apache NetBeans

- *To design the look and feel*
- *Used to write Codes*

2) Java

- *To manage the Behavior of the System*

3) MySQL

- *Used to store data in **Database***

4) XAMPP

- *Build a local **Web Server** in computer*

5) Pichon

- *Used to download Icons and Images*

Specifications

Processor	- Intel PENTIUM or greater...
Ram	- Minimum 2gb
Operating System	- Windows 7, Windows 8, Windows 10, Windows 11
JDK	- JDK version 8 or greater..
Apache NetBeans	- Apache NetBeans version 19 or greater (Optional)

Conclusion

The proposed **Student Management System** will revolutionize student administration, enhance data accuracy, and improve overall efficiency. By implementing this system, educational institutions can focus more on student development and less on administrative overhead.