



**Department of Electrical and Computer Engineering
EEI4267-Requirement Engineering
Mini Project**

**Section A
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Introduction

The Driving School Management System is an online platform designed to streamline and automate the administrative tasks involved in running a driving school. This system is tailored to the needs of driving schools operating in Sri Lanka and enables **students to**,

- Register
- Submit documents.
- Pay fees.
- Take exams.
- Training classes details.
- Track their progress.

The system also enables **staff members to**,

- Manage student information.
- Upload documents details to the system
- Schedule exam.
- Schedule classes
- Track training progress
- Schedule trial examination.

Instructors can upload,

- Training status

Admin can manage,

- The entire system
- Including exam results
- Trial examinations and reports.

- The system also includes additional features such as, a vehicle learning guide, tutorials, chat options, notifications, and SMS alerts for students.
- Overall, this management system helps to improve the efficiency and effectiveness of driving school operations, making it easier for students, staff, and instructors to manage the driving education process.

Purpose

The purpose of the Driving School Management System is to provide an online platform that automates and streamlines the administrative tasks involved in running a driving school.

Now a days in Sri Lanka all the driving school are based on a manual student management. Current process does not provide a comprehensive system to manage the driving education process, such as scheduling training classes, tracking progress, and providing feedback. This can result in a lack of transparency and difficulty in managing the overall process.

The system can be time-consuming and prone to errors. The current process requires students to physically visit a branch to register, submit documents, make payments, and receive exam details. This process can be inconvenient and time-consuming for students.

From our proposed system ensure to provide an efficient online based-computerized **Driving School Management System**.

The development of a Driving School Management System aims to address these problems by automating and streamlining the administrative tasks involved in running a driving school, improving the efficiency, and effectiveness of driving school operations.

Summary

This is a system is designed to automate and streamline administrative tasks involved in running a driving school in Sri Lanka. It allows,

- Students to register online and can submit required documents in his nearer branch which can verified by a branch staff member.
- Provides online payment options for students to sit for the written exam of Department of Motor Traffic.
- Provides exam details such as date, location, and instructions for students.
- Once students pass the written exam, they can view results and download a valid learners permit.
- Staff members or admin can schedule and manage training classes, providing notification to students and instructors about training classes then they can view the schedule for training classes.
- Instructor can upload training status into the system.
- System allows admin to manage the entire system and send notification.
- Includes additional features such as a vehicle learning guide, tutorials, chat options, notifications, and SMS alerts for students.

Overall, this system will Improves the efficiency and effectiveness of driving school operations by automating administrative tasks and providing a comprehensive system to manage the driving education process.

Company Overview

The Driving School Management System is a software application developed for driving schools in Sri Lanka. The system is proposed to streamline and automate administrative tasks involved in managing a driving school, such as registration, document verification, payment processing, scheduling training classes, and managing progress.

Our **Black Pearl** team members work closely with driving school owners and staff members to understand their requirements and develop a system that meets their needs.

Our mission

- Is to provide innovative, reliable, and user-friendly software solutions to help businesses streamline their operations, improve efficiency, and achieve their goals and providing a comprehensive and efficient solution to manage driving schools in Sri Lanka.

Our Vision

- Is to provide reliability, user-friendliness, and ability to help driving schools achieve their goals.

Goals

- Improving the efficiency and effectiveness of driving school operations.
- Providing a comprehensive system to manage the driving education process, from registration to training to certification.
- Making the registration process more convenient and accessible to students.
- Streamlining administrative tasks, such as document verification, payment processing, and scheduling training classes.
- Providing a user-friendly and intuitive interface for staff members, instructors, and students.
- Ensuring the security and privacy of student data and payment information.

Project Overview

The Driving School Management System is a project designed to automate and streamline the administrative tasks involved in running a driving school in Sri Lanka. The system provides a platform for students, staff members, instructors, and admin to manage various aspects of the driving education process, from registration to scheduling training classes and trial examination.

The system's primary features include a student registration process that enables students to register, select a branch, and submit required documents. Staff members verify the documents and upload student details into the system, and students can make payments through the system. After successful payment, the system provides details for the written exam, including date, location, and instructions.

Once the student passes the written exam, the admin uploads exam results, and students can view their results and download a valid learners permit. Staff members or admin can then schedule training classes and provide details to students and instructors, including the location, date, and time. Instructors can upload training status into the system, and staff members or admin can provide feedback on the student's performance.

The system also includes additional features such as a vehicle learning guide, tutorials, chat options, notifications, and SMS alerts for students. These features enhance the user experience and provide students with additional resources to aid their learning.

Overall, the **Driving School Management System** is a comprehensive project designed to improve the efficiency and effectiveness of driving school operations, making it easier for students, staff, and instructors to manage the driving education process.

Assumptions, General Development, and deployment

Assumptions

- The system assumes that all students have access to the internet and have the necessary computer skills to use the system.
- The system assumes that staff members and instructors have the necessary computer skills to use the system.
- The system assumes that all required documents are submitted in the correct format and are valid.

General Development

The development of the Driving School Management System will involve several stages, including:

- Planning and requirements gathering: This stage involves identifying the requirements of the system and developing a plan for implementation.
- Design: The design stage involves creating a system design based on the requirements identified in the planning stage.
- Implementation: The implementation stage involves building the system according to the design.
- Testing: The testing stage involves ensuring that the system works as intended and identifying and fixing any issues.
- Deployment: The deployment stage involves making the system available to users.

Deployment

The deployment of the Driving School Management System will involve the following steps:

- Choosing a suitable hosting platform for the system.
- Installing and configuring the system on the hosting platform.
- Ensuring that the system is accessible to users.
- Providing training to staff members and instructors on how to use the system.
- Monitoring the system to ensure that it is functioning correctly and addressing any issues that arise.

Conclusion

The Driving School Management System is a comprehensive software solution designed to automate and streamline administrative tasks involved in managing a driving school in Sri Lanka. It offers various features such as student registration, document verification, payment processing, scheduling training classes, managing progress, and Issuing Licence.

The system provides a user-friendly interface for staff members, instructors, and students, making it easier to manage the driving education process. It also includes additional features such as a vehicle learning guide, tutorials, chat options, notifications, and SMS alerts for students.

By implementing this system, driving schools can improve their efficiency and effectiveness, reducing the time and resources needed to manage administrative tasks. Moreover, it provides a better learning experience for students, making it easier for them to register, pay for Licence training, and track their progress.

Overall, the Driving School Management System is a valuable tool for driving schools in Sri Lanka, providing a comprehensive solution to manage the driving education process, improving efficiency, and enhancing the learning experience for students.