



Sri Lanka Institute of Information Technology

Information Technology Project

Year2, Semester 2 - 2023

Project Charter

Title of the Project :	Tuition Management System for SYSRO Institute	
Campus & Batch :	Malabe Weekday – Batch 6	Group No: T83
Development Technology :	MERN Stack	

Description of the Project:

SYSRO Institute is a tuition center that provides education to students of different levels. The center currently relies on manual methods to manage student data, teacher schedules, exam results, attendance, and financial aspects. Due to this, the center is currently facing several problems such as time-consuming and error-prone manual processes, a lack of transparency and real-time reporting, and difficulty in managing large amounts of data.

The Tuition Management System is designed to streamline and automate the center's operations by providing a web-based application that is highly sophisticated and user-friendly. The system offers separate, tailored dashboards for each of the major stakeholders involved in the center, including the administrator, teacher, student and parent, as well as separate portals for managing attendance, exams, and expenses.

The Tuition Management System is vital to the organization as it provides a comprehensive solution to the problems that the center is facing. The system is designed to enhance the overall efficiency and security of the center's operations, while reducing manual effort and increasing accuracy and reliability of information. By providing real-time reporting, the system will increase transparency and improve the overall management of the tuition center as well.

Details of the Group Members: *(Provide the details of the group leader in the first row)*

	Name with Initials	Registration Number	Contact Phone Number	Email
1.	Thilakasiri P. K. V. C.	IT21244698	0712906815	it21244698@my.sliit.lk
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3.	W. M. Y. Soysa	IT21238512	0703968965	it21238512@my.sliit.lk
4.	G. S. Hasanka	IT21233876	0714370503	it21233876@my.sliit.lk
5.	Jasingha S. D.	IT21327476	0702210258	it21327476@my.sliit.lk
6.	Silva R. L. G.	IT21232954	0765672300	it21232954@my.sliit.lk
7.	Gamlath W. A. V. K.	IT21211928	0705930139	it21211928@my.sliit.lk
8.	A. M. B. S. Bandara	IT21229398	0701117153	it21229398@my.sliit.lk



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List of Functions Developed by the Group Members:

	Name with Initials	Brief Description of the Function
1.	Thilakasiri P. K. V. C.	<p>Admin Dashboard – Statistical Data Representation</p> <p>The Admin Dashboard includes a detailed graphical representation of various statistical data, including gender distribution, grade distribution, and exam results statistics of all students in the tuition center.</p> <p>Class Management</p> <p>The Admin Dashboard's Class Management function streamlines class organization and management for the tuition center. It offers administrators the ability to create, view, search, edit, and delete classes as needed. The function also enables enrollment and unenrollment of students, as well as report generation. Also, when a teacher is assigned to a class by the administrator, they will be notified via email. Similarly, when a student is enrolled or unenrolled from a class, both the student and their parent will receive notification via email. If there are changes made to the information about a class, such as the class teacher, date, time, or venue, the teacher and all enrolled students will also be notified via email. This ensures that all relevant parties are kept informed and up-to-date on the latest class information.</p> <p>Schedule Management</p> <p>The Admin Dashboard's Schedule Management function provides administrators with the ability to view class schedules for all existing classes in the tuition center. This function presents class schedules in a user-friendly calendar format, making it easy to view and understand the class schedule at a glance. The calendar view displays class dates, times, and venues, providing administrators with a comprehensive overview of the center's class schedules. In addition, administrators have the option to download the class schedules in PDF format, allowing them to easily share or print the schedules as needed.</p>
2.	K. P. V. Pathirana	<p>Parent Management</p> <p>The Admin Dashboard's Parent Management function provides administrators with the tools to efficiently manage parent accounts. Administrators can create new parent accounts, view, search, edit, and delete existing parent accounts as needed. This ensures that parent information is up-to-date and accurate. When a new parent is added to the system, the system will automatically generate a new secure password and send it to the parent via email. Additionally, the parent will receive a welcome email containing information about their account and instructions on how to log in and access the system. In addition, the Parent Management function provides administrators with the ability to</p>



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		<p>generate reports based on the data.</p> <p>Parent Dashboard</p> <p>The Parent Dashboard provides parents with a comprehensive view of their child's academic performance and attendance within the tuition center. This user-friendly dashboard allows parents to track their child's progress in real-time and stay informed about their education. The Parent Dashboard is an essential tool for parents to monitor their child's progress and stay connected with the tuition center.</p>
3.	W. M. Y. Soysa	<p>Exam Management Portal</p> <p>The Exam Management Portal provides teachers with the necessary tools to efficiently manage exams for the tuition center. Teachers can create new exams, view, search, edit, and delete existing exams related to their assigned classes. The teacher can also mark attendance for students who sat for the exam and add marks for each student. They can edit these marks if necessary, and release the unofficial student grades for approval by the admin. When the unofficial marks are released, the students will be notified via email. Moreover, teachers can also view statistics about exams, such as attendance and grade distribution, and generate reports based on the exam data. In addition, students are able to log into the Exam Management Portal to view their marks.</p> <p>Exam Management in the Admin Dashboard</p> <p>The Admin Dashboard's Exam Management function empowers administrators to oversee all exams at the tuition center. They can approve and release official grades, which are automatically sent via email to teachers, students, and parents. Additionally, administrators can generate reports based on exam data.</p>
4.	G. S. Hasanka	<p>Teacher Management</p> <p>The Admin Dashboard's Teacher Management function provides administrators with the tools to efficiently manage teacher accounts. Administrators can create new teacher accounts, view, search, edit, and delete existing teacher accounts as needed. This ensures that teacher information is up-to-date and accurate. When a new teacher is added to the system, the system will automatically generate a new secure password and send it to the teacher via email. Additionally, the teacher will receive a welcome email containing information about their account and instructions on how to log in and access the system. In addition, the Teacher Management function provides administrators with the ability to generate reports based on the data.</p>



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		Teacher Dashboard The Teacher Dashboard gives teachers a comprehensive overview of their students and classes. They can view the number of students and classes assigned to them, gender and grade distribution of their students, attendance data, and exam results statistics. The dashboard also includes a feature to track students' progress over time. With its user-friendly interface, the Teacher Dashboard enables teachers to efficiently manage their classes and monitor student performance, ensuring students receive a high-quality education.
5.	Jasingha S. D.	Subject Management The Admin Dashboard's Subject Management function provides a centralized platform for administrators to manage the subjects offered by the tuition center. This includes creating new subjects, viewing, searching, editing, and deleting existing subjects as necessary, making it easy to keep the subject offerings up-to-date and relevant. Additionally, the subject management function includes the ability to generate reports that include subject details, allowing administrators to easily track the subjects offered and their related information. Fee Management The Admin Dashboard's Fee Management function provides a centralized approach to fee collection and tracking. The administrator has complete visibility into the payment status of each student and can easily see which students have paid and which students are yet to pay. Admin can add, view, edit, search and delete payment records. Additionally, the system provides detailed reports on fees collected, enabling the administrator to make informed decisions about the financial health of the tuition center.
6.	Silva R. L. G.	Admin Management The Admin Management function in the admin dashboard allows the administrator to create new admin accounts, view, search, edit, and delete existing accounts as needed, ensuring that only authorized individuals have access to the information contained within the admin dashboard. When a new admin is added to the system, the system will automatically generate a new secure password and send it to the admin via email. Additionally, the admin will receive a welcome email containing information about their account and instructions on how to log in and access the system. In addition, the system provides the capability to generate reports based on the admin data. Attendance Management The Attendance Management Portal allows to easily mark



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		attendance of students. When a particular class is selected, the student attendance can be marked accordingly. The marked attendance is then stored in the system and can be easily retrieved for future reference.
7.	Gamlath W. A. V. K.	Expense Management Portal The Expense Management Portal allows administrators to easily view, add, edit, search and delete expenses related to the tuition center. This includes expenses such as rent, utilities, staff salaries, and supplies, among others. By categorizing expenses into different categories, administrators can keep track of their expenses and stay within budget. In addition, administrators can also view expense reports, which provide them with valuable insights into the center's financial status and spending patterns.
8.	A. M. B. S. Bandara	Student Management The student management function in the admin dashboard is designed to provide the administrator with a comprehensive solution for managing student accounts. The admin has the ability to create new student accounts, view, search, edit, and delete existing accounts as needed. When a new student is added to the system, the system will automatically generate a new secure password and send it to the student via email. Additionally, the student will receive a welcome email containing information about their account and instructions on how to log in and access the system. The system provides the admin the ability to monitor student performance by analyzing a line chart showing the marks obtained in the last 6 exams they sat for. Additionally, the admin has the capability to generate reports based on the student data. Student Dashboard The Student Dashboard provides students with a centralized platform to view their academic journey. They can easily view their class schedules, helping them stay on top of their daily activities and keep track of their classes. Additionally, the dashboard allows students to view their marks and exam results, keeping them up to date on their progress and performance. This enables them to identify areas where they need to improve and work on their weaknesses.