



# Sri Lanka Institute of Information Technology

## Information Technology Project

Year2, Semester 2 - 2023

### Project Charter

<b>Title of the Project :</b>	OneTel Mobile – Ja Ela phone shop management system	
<b>Campus &amp; Batch :</b>	Weekday	Group No: T93
<b>Development Technology :</b>	MERN Stack Technology	

#### **Description of the Project:**

The Mern web application being developed for the Onetel mobile shop is aimed at streamlining their work processes and making them more efficient. The Mern stack, which stands for MongoDB, Express, React, and Node.js, will be utilized to create a user-friendly and scalable application. The application will allow the management to store and retrieve information about customers, suppliers, goods, and sales/purchases with ease.

The system will also automate manual calculations for financial management and generate reports and bills. The database application will be stored effectively on the computer, ensuring data security and accessibility. Furthermore, customers will be able to purchase items online through the system, eliminating the need for physical interaction and providing a more convenient experience.

The Mern web application will bring a new level of organization and efficiency to the Onetel mobile shop, allowing the management to focus on growing their business rather than dealing with manual processes. The user-friendly interface and the ability to store large amounts of data will be valuable assets for the administrator to make informed decisions.

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

	<b>Name with Initials</b>	<b>Registration Number</b>	<b>Contact Phone Number</b>	<b>Email</b>
1.	Sandanayake H.D	IT21265174	0769168800	it21265174@my.sliit.lk
2.	Wijayanayake J.M.A.P	IT21272790	0756258508	it21272790@my.sliit.lk
3.	Chandrasena R HV	IT21264566	0760914580	it21264566@my.sliit.lk
4.	Chamod S.G.K	IT21261596	0766642546	it21261596@my.sliit.lk
5.	Wickramaarachchi W.A.N.D	IT21272868	0704331921	it21272868@my.sliit.lk
6.	Wijerama H.J.K.S.R	IT21343520	0764888184	it21343520@my.sliit.lk
7.	Wickramasinghe W.A.R.M	IT21233494	0771782698	it21233494@my.sliit.lk
8.	Gunathilaka K.A.R	IT21265006	0711506842	it21265006@my.sliit.lk



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**List of Functions Developed by the Group Members:**

	<b>Name with Initials</b>	<b>Brief Description of the Function</b>
1.	Sandanayake H.D	<b>Delivery and financial management</b>  For a efficient service this phone shop has introduced a delivery service for the customers to get their purchased items delivered to their doorsteps. The system has its own separate user interface for the delivery employees to login for the system and to add all the information about their deliveries.  In here for the management of the financial side the admins maintain a expenses report . Also the admins can view the details of the deliveries and at the same time they create a report for the delivered items as well.
2.	Wijayanayake J.M.A.P	<b>Product listing and category management</b>  Here it provides a service which is very clear and understandable for the customers. All the available items are listed and visible for the customers here. They can easily select and view the items they want.  Admins can handle the item /category list according to the availability of the items. Also they can update the item list according to the newly bought products and can create reports on the updated product list.
3.	Chandrasena R.H.V	<b>Ordering and payment management</b>  In order to provide an user friendly service this system has two main functions in ordering , which are buying mobile accessories from the suppliers and customers ordering from system. Also the order reports are created here .  Cart is an important feature here since it gives the ability to the customers to add items to it , even many items at the same time . Also they can remove the added items from the cart whenever they want .  Payment page includes the payment methods which the customers can choose to do the payment for their Oder.
4.	Chamod S.G.K	<b>Customer and employees management system</b>  In this system the unregistered customers can first be registered to the system and then they can view all the items which are available. Registered customers can simply login to the system to use it. Employees also have their own credentials to login to the system. All the details of customers and employees will be stored in the system and the admins can view those store data and also, they can update them whenever they want.



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5.	Wickramaarachchi W.A.N.D	<b>Warranty and return item management :-</b> If there is a problem in the device within the warranty period of the device customer can request warranty claim for their purchased device. When receiving a warranty claim admin is able to store all the details about the item on the system. Also admin can update the details and can remove the items after hand over to the customers. if the customer received wrong order customer must submit return form to return the package . After collecting the return requested items , admin able to store and manage the details of those items. Reports about the both warranty items and returned items can be generated.
6.	Wijerama H.J.K.S.R	<b>Supplier and stock management</b> This system has an separate user interface for the suppliers which only the suppliers can login to . Suppliers can contact the system admins through the chat that is available for them to connect with the admins. Then they can give the details about the items they can supply and then the admins will accept or refuse the items.  When the items are bought to the shop from the suppliers the admins can update the stock management and also they keep track of supplier reports and stock reports as well .
7.	Wickramasinghe W.A.R.M	<b>Rent item management</b> Renting mobile devices in another useful service provided by the system, users can view the list of renting items and they can send a request to the admins through the system by mentioning the preferred items to rent. So, the admins can either accept or decline the request if the request gets accepted the customer can the choose the method to get the rented item. (Delivery method or get it from the shop)  Then the admins should store all the details of the rented items and the customers.  Also, admins can generate a report about rental details.
8.	Gunathilaka K.A.R	<b>Repair management and live chat</b> This system has a main service of repairing devices. In this when a customer gives a device to repair, the system admins should get all the details of the customers and the device to be repaired.  Also, if the customers need to change the repair details and personal details the admin should be able to update the details. Addition to that the admin can create a report on the repairs.  In here the customers can connect with a service agent through a live chat if they need to get any information or solutions to their doubts.