Project Charter

Title of the Project :	Web Portal / Web centralized platform for Jiffy Products (PVT) LTD	
Batch :	Y2S2 Malabe	Group No: ITP_WD_B01_04
Development Technology :	MERN Stack	
Client :	Jiffy Products (PVT) LTD	

Description of the Project:

"Jiffy Group" helps innovative and leading companies in global horticulture with sustainable plant growing solutions to feed and beautify the world. Jiffy Products include pots, pellets, coir products, substrates and plugs.

The system is a web portal application which facilitates the interaction between stakeholders of Jiffy PVT LTD by providing a centralized platform for user specific functions in an unsophisticated manner. This involves order management, payment management, client and employee management, inventory management etc. This system helps the company to be more efficient by fulfilling their requirements.

The current approach of the company is to store data manually as documents and communication exist between stakeholders via emails and meetings which is inefficient and time consuming.

The web portal application allows the stakeholders to collaborate and automate actions such as report generation. This system provides seamless management of services to the stakeholders as well as a centralized customer service.

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

	Surname with initials	Registration Number	Contact Phone Number	Email
1.	Thilakaratne S.P	IT21018596	0771965642	it21018596@my.sliit.lk
2.	Piyumantha W.U	IT21013928	0764103928	it21013928@my.sliit.lk
3.	Gunasekara S.N.W	IT21011870	0763689506	it21011870@my.sliit.lk
4.	Maharanhindage V.A.R	IT21109126	0741600363	it21109126@my.sliit.lk
5.	Shavinda H.K.L	IT21012488	0766891036	it21012488@my.sliit.lk
6.	Kumari K.A.D.H	IT21055362	0705827486	it21055362@my.sliit.lk
7.	Jayakody D.M.L.D	IT20611088	0765822357	it20611088@my.sliit.lk
8.	Siriwardana S.M.K.S	IT21020230	0767593818	it21020230@my.sliit.lk

List of Functions Developed by the Group Members:

	Name with Initials	Brief Description of the Function
1.	Thilakaratne S.P	**Order Management (Customer/Supplier) -** This includes viewing the order list received by clients and whether a particular order needs to be accepted or rejected. Furthermore, both accepted and rejected orders are notified to the respective clients. The client can also view his/her orders (both past and current) and also enables the company's assigned employee in charge of managing orders to see the current status of an order (e.g., pending, shipped etc.) as well. In addition, reports can also be generated.
2.	Piyumantha W.U	**Customer Management -** Manages all customer accounts. Each customer who wishes to place orders from the company should first create a new account. The customer can then access the relevant account (by providing user credentials), view, and manage account details, orders placed by the customer, and current payment methods. The system can notify the customer about the necessary information related to the account. Accessing and Managing (Update/delete) customer accounts can be done by the site administrators and selected employee roles. Site administrators or selected employee roles can generate account usage reports and act against accounts that are not used for a long time.
3.	Gunasekara S.N.W	**Transaction Management (Customer/Supplier) -** Once the user clicks on buy now button, the system calculates the total amount to be paid and the E-bill is generated. Then the customer can select the payment method and enter the details of that respective method out of bank deposits, credit cards or debit cards. Also, they can manage the existing payments details/method either by updating details or can remove the records. The company has to pay the suppliers using this system when buying raw materials from them. Before doing any of the above transactions the credentials will be validated by the system. When the transaction is successfully completed, the customer gets notified. Also, the system admin can get a detailed report containing graphs representing daily transaction via the system.
4.	Maharanhindage V.A.R	**Inventory Management -** Enables both the raw materials and finished goods to be categorized and displayed. Displays the available stock (no. of available units) of each item. The stock can be updated based on received or removed units. A search bar allows the user to search an item by the item id or item name. Furthermore, reorder level of each item is shown (e.g. - red color expression indicates high priority, yellow color for medium priority etc.). This also displays a notification if a particular item needs to be reordered immediately. In addition, the user is allowed to delete a particular item (e.g. - if a particular finished good is no longer been produced/a particular raw material is no longer been needed) and generate reports.

5.	Shavinda H.K.L	**Supplier Management -** Allows new suppliers to be added and existing suppliers to be managed. Existing suppliers can be viewed, and a search bar allows a particular supplier to be viewed by entering the supplier id/supplier name. Moreover, the purchase history and payment history of suppliers can be viewed. Report generation includes the list of suppliers, list of products of each supplier and the purchases made by the company from each supplier.
6.	Kumari K.A.D.H	**Employee Management -** The Centralized interface allows employees to access and modify employee data, contract details, benefits, compensation, vacation, training, and qualification requirement at any time. Employees have the ability to apply for leave. This element also generates leave analysis reports that provides details about remaining leaves and the hours that have been taken by each employee. Additionally, employee accounts can be deleted.
7.	Jayakody D.M.L.D	**Delivery Management -** This facilitates the items to be added to the delivery and whether a particular delivery needs to be cancelled. The order list is displayed for a current delivery and allows to see the order list for past deliveries. Moreover, a search bar allows to search a delivery by entering delivery ID or name or date. The completed and pending deliveries can also be filtered. The customer is notified via an email about the delivery status and delivery status is updated in the customer/Jiffy user interfaces via visual techniques. Report generation includes the monthly/daily deliveries made by the company. Furthermore, surveys and feedback from customers allow support for future service improvement.
8.	Siriwardana S.M.K.S	**Factory Management -** This function enables adding details of a new factory to the system and viewing and managing details of existing factories (update/delete). New machines that will be added to factories can also be added to the system, and that information can be viewed and managed (update/delete). And these machines can be searched easily by using their id or machine name. Report generation includes the raw materials used, productions done and usage of machines in each factory. The notifications will be sent to the respective employees, informing them about these generated reports.