



Sri Lanka Institute of Information Technology

Information Technology Project

Year2, Semester 2 - 2022

Project Charter

Title of the Project:	Agricultural Management System for AgroTech LLC	
Batch:	Batch 01.01	Group No: T7
Development Technology:	MERN Stack	

Description of the Project:

AgroTech LLC is a company that provides all the relatable agricultural facilities & products by mainly operating with farmers and alternative shoppers.

The system is designed to find new opportunities for farmers to succeed in their products to high-level markets by using the products management and store.

Store is filled with new products, animal accessories, agricultural instrumentation, animal foods etc.

the company also provides laboratory services who are willing to get services.

To provide new job opportunities and gives career guidance through career management.

There are so many other functions in this system to support farmers and educate them with the newest technologies about agriculture. The system also advertises cultivated land properties.

Therefore, this system will be useful specifically for farmers and any party who are interesting in the agriculture field and for the customers who are looking for fresh and good quality products for the lowest price.

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.	Samarasinghe S.D	IT20605902	0702449678	lksadish@gmail.com
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3.	Thilakarathna W.G.T.D	IT20604844	0776668613	tharindudimanthajey@gmail.com
4.	Senanayake D.B	IT20612696	0768514187	binushasenayake6@gmail.com
5.	Rubasinghe L.M	IT20299552	0776400813	mihisara.r99@hotmail.com
6.	W.S.M.S.D Senevirathne	IT20607678	0764668388	samithadilshan59@gmail.com



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7.	Shalinda R.M.M	IT20607128	0769733711	manilkar98@gmail.com
8.	Wanni Arachchige P.N	IT20617028	0705243740	navodapiumi691@gmail.com

List of Functions Developed by the Group Members:

	Name with Initials	Brief Description of the Function
1.	Samarasinghe S.D	Land Sale management. Implement functionalities of the Cultivated Land sale properties for customers such as add advertisements, update property details, add contact forum to the buyers and after purchase estate, remove it from the list of estates. In this case user can search estates from going through the categories (eg: Bare Land, Coconut land, Cinnamon Land etc), and location (eg: Matara, Rathnapura etc).
2.	Kumarapeli K.A.P.P	Store Management. Implement an online eCommerce site to sell agriculture-related products. Add agricultural items/products to the website. Remove products from the website. Update products. Implementing a shopping cart and adding/removing items to the shopping cart. Managing a stock for products. Implementing checkout functionality and managing payments. Save transactions on the database. Generating reports and statistics to get decisions for managers.
3.	Thilakarathna W.G.T.D	Agriculture Education management resources. Education programs offered by the institute managed the distribution and allocation of educational resources. Registering courses, tracking, and reporting. Allow users to select reserve and purchase a course through course cart. Also, this function provides library facilities. (Library management).
4.	Senanayake D.B	Lab services Management. Implementing an Online eCommerce site to collect farm details. Provide functionalities such as Agriculture testing, Agriculture Analysis, scientific research, Feed Testing, Soil Testing and development for farmers. Provide some Lab reports for other parties such as Hotels.
5.	Rubasinghe L.M	Career Management. Implementing career management functionalities such as career guiding, register as candidates for instant jobs, direct apply for job vacancies, job vacancies posting and pick candidates for interview sessions from registered candidates. generate monthly reports



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6.	W.S.M.S.D Senevirathne	Farmer support portal. The Farmers' Portal of the Department of Agriculture, Co-operation and Farmers' Welfare is a platform for farmers to seek any information related to agriculture. Detailed information on farmers' insurance, agricultural storage, crops, seeds, farm machineries, loans. is provided and create cooperative events.
7.	Shalinda R.M.M	Animal Health. Do things to relevant to animal's health. Examine farm animals and outside of farms. Give instructions, guide for treatment, and give treatment. After that store relevant information, animals are registered in this system and maintain profile. From this information identify new diseases and forward information for relevant authorities
8.	Wanni Arachchige P.N	Production Management. Implement product management functionalities such as buying products from famers, getting products requirement from companies and managing stock. Register customer can request product from the companies and register supplier can provide product for wholesales price. if their required quantity is available or not available company can take suitable actions.