

# THE SUPERIOR COLLEGE LAHORE



Faculty of Computer Science & IT  
Department of Software Engineering

## Final Year Project PROJECT REPORT (Part-1)

### [Web & E-device based Former]

Project ID: [write ID here Issued by FYP Manager]

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# Project Report

## [Electronic-based former]

## Change Record

Author(s)	Version	Date	Notes	Supervisor's Signature
	1.0		<Original Draft>	
			<Changes Based on Feedback from Supervisor>	
			<Changes Based on Feedback From Faculty>	
			<Added Project Plan>	
			<Changes Based on Feedback from Supervisor>	

## APPROVAL

<b>PROJECT SUPERVISOR</b>	
Comments: _____	
_____	
Name: _____ _____	
Date: _____ _____	Signature: _____

<b>PROJECT MANAGER</b>	
Comments: _____	
_____	
Date: _____	Signature: _____

<b>HEAD OF THE DEPARTMENT</b>	
Comments: _____	
_____	
Date: _____	Signature: _____

## **Dedication**

*This work is dedicated to all of those who wish's me Good luck Prayers and support me All my teachers who help me out for completing this project Specially HOD Dr. Irfan u din Dean Dr. Shaheryar And our supervisor sir Zaman Aziz They support us and lead to complete our work. Special thanks to my parents who support me pray for me.Except those I was nothing to do anything. I really appreciate to my family who is supporting me as financially, and also my friends who is working day and night to complete this Project*

## Acknowledgements

O Allah, it's all yours blessing on me, you bestowed me strength for my study and, In the making of this project. RAHMAT-AL-LIL AALAMEEN HAZRAT MUHAMMAD (SALLALAHU ALAIHI WASALLUM) said: "On the Day of Resurrection, the ink of the scholars will be weighed up against the blood of the martyrs, and the ink of the scholars will preponderate over the blood of the martyrs." [Reference: Tafsir al-Durr-al-Manthur, volume 3, no. 423] We have too many people to thank for this project to fit everyone in, so we'd like to start out by thanking everybody who helped us. Actually, we couldn't have done it without you, if we don't mention you here!

I am really thankful to my supervisor who has a good knowledge and have best capability to treat us. Our supervisor (Special Thanks) **Sir Zaman Aziz** are very punctual and very good to us and give us some of our extra time to manage our problems.

## Executive Summary

E-commerce is clearly beginning to have a major impact in the agricultural sector. The way people go about purchasing agricultural products is of great concern. Most of the time customers have to travel far distances to get agricultural products and getting the right quality is not ensured. Besides, farming is the prime occupation in Pakistan. Pakistani people involved in farming are mostly cheated by the agents in today's market which leads to poverty. Our project aims to help farmers as well as customers for buying and selling agricultural products across the country using a computerized approach. The website will guide the farmers to access new farming techniques, compare current market rate of different products, the total sale and the earned profit for the sold products. The website builds a platform for farmers and agents to ensure greater profitability through direct farmer to farmer, farmer to agent and farmer to customer communication. The website will act as a unique and secure way to perform agro-marketing. E-farming will serve as a way for the farmers to sell their products across the country just with some basic knowledge about how to use the website. This project allows viewing various products available enables users to purchase desire products. This website would be developed using web service as the communication infrastructure between the buyer and farmers and also products selling.

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# Chapter 1

# Introduction

## **Chapter 1: Introduction**

E-farming is the web application that will help the farmers to perform the agro-marketing leading to achieve success and increase in their standard of living. The Marketing facility would allow the farmers to have a view of the bills created and the related information in their accounts. An Authorized-agent would serve as a way for the farmers to sell their products in the market. The Centralized market committee will have control on the Agents through business activities review.

Website will also provide market-wise, commodity wise report to the farmer in interactive way.

- **Background**

There is no computerized system for the farmer to sell their product. Currently, the farmer goes to nearest market handover his product to a particular agent, agent ask the farmer to visit the market after a specific time to collect the cash earned out of the sold product. Agent sells the product to another agent or a dealer at the cost of that market. Every Agent tries to cuts his commission out of that. There is no way for farmer to know about the deal and the exact amount at which their product was sold. There is no transparency. No facility is present for the farmers to know the product rates at different markets where they can sell their products for achieving high profits. Many times, farmers are not even aware of the schemes and compensation provided by government. In spite of all the opportunities banging the doors the farmers are not able to benefit out of those. Current system does not provide the way of e-learning for farmer that will provide the knowledge of new techniques in farming. So he doesn't get the maximum profit through the current system.

- **Motivations and Challenges**

Pakistan is agricultural country. Majority of Bangladesh people live on agricultural. So, Agricultural institutes, research bases agencies and other resources related to agriculture in Pakistan is vitally important. Now a day, the farmers have to go to the nearest market to hand over his product to a particular agent where agent sells the product to another agent or a dealer.

After a specific time, the agent gives the collected cash out of the sold products to the respected farmer but every Agent tries to cuts his commission out of the earned amount. The whole process is not transparent as there is no way for farmer to know about the deal and the exact amount at which their product was sold. No facility is present for the farmers to know the product rates at different

markets where they can sell their products for achieving high profits. Our project aims to help farmers to sell their products in a transparent way.

- **Goals and Objectives**

The main objective of this project is to build a platform for farmers to sell their product and track the sale. This platform is flexible which can maneuver the customer-farmer relationship in an effective manner. Farmer will get unique interface where they can avail everything right from learning to the market information. This website will act as unique and secure way to perform agro-marketing.

The main objective of this project is building a website which will help farmers from villages to sell their products to different city markets. It is a computerized approach for better and clear marketing. Farmers will get unique interface where they can avail everything right from learning to the market information they can perform marketing, get the current rates of market, get in touch.

- **Literature Review/Existing Solutions**

Pakistan is an agricultural land and farming provides the means of livelihood for the major Pakistani population. The Pakistan Economy is somehow is dependent on agriculture. For best agriculture crop cultivation, irrigation infrastructure has played a vital role to connect an agriculture land with canals system.

**Agriculture Information Bank (<http://agrinfobank.com.pk>)**

Agriculture Information Bank (<http://agrinfobank.com.pk>) is one of the popular website of agriculture related information of Pakistan. [agrinfobank.com.pk](http://agrinfobank.com.pk) is fasted growing agriculture/farming related information website, the website developed by well-educated agriculture professionals having very deep knowledge and good background of agriculture. These professionals are having the educational qualifications from Diploma in Agriculture to Ph. D in Agriculture. Agriculture science is connected to the various sciences as botany, dairy science, social science, economics, pathology, engineering, food science, soil science & chemistry. These are also called as the branches of agriculture. This website is managed by group of agriculture professionals.

**AMIS (<http://www.amis.pk/>)**

AMIS (<http://www.amis.pk/>) is one of the best website of Pakistan, AMIS aims at providing comprehensive one-step market price information services. It aims to provide agricultural commodity intelligence to wider audiences at once. This website is managed by Directorate of Agriculture (Economics & Marketing) Punjab, Lahore.

**Pakistan Agriculture Research Council Website (<http://www.parc.gov.pk>)**

Pakistan Agriculture Research Council Website (<http://www.parc.gov.pk>) is website managed by Pakistan top national research body. Pakistan Agricultural Research Council (PARC) is the apex national organization working in close collaboration with other federal and provincial institutions in the country to provide science based solutions to agriculture of Pakistan through its statutory functions. This website shares basic agriculture information, business plan and more. This website is managed by PARC/NARC.

**Agriculture Department | Government of the Punjab****(<http://www.agripunjab.gov.pk/>)**

<http://www.agripunjab.gov.pk> is managed by Agriculture department of Government of the Punjab. This website shares agriculture information, government announcements, government schemes etc. This website is managed by Punjab government agriculture department.

**Pakissan.com (<https://www.pakissan.com/>)**

<https://www.pakissan.com/> is one of the best agriculture information sharing website of Pakistan. This website is a good source of agriculture, farming, livestock information. Pakissan.com is managed by <https://www.pakissan.com/> team.

- **Gap Analysis**

There is no transparency. No facility is present for the farmers to know the product rates at different markets where they can sell their products for achieving high profits. Many times, farmers are not even aware of the schemes and

compensation provided by government. In spite of all the opportunities banging the doors the farmers are not able to benefit out of those.

Current system does not provide the way of e-learning for farmer that will provide the knowledge of new techniques in farming. So he doesn't get the maximum profit through the current system.

Pakistan is agricultural country. Majority of Bangladesh people live on agricultural. So, Agricultural institutes, research bases agencies and other resources related to agriculture in Pakistan is vitally important. Now a day, the farmers have to go to the nearest market to hand over his product to a particular agent where agent sells the product to another agent or a dealer.

- **Proposed Solution**

We are going to develop e-farming application that fulfill all needs of the farmer and give the solution. We have multiple sections like login for farmer/people to use it on their own way. As per requirement of our application who will using the Application through online portal. Next section there is web panel from this the government agency and bank committee will login and feed up their important data and information. Our main goal is to help the farmer which is in trouble and give him to user friendly application.

- **Project Plan**

This is our university-based project final year. After suggestions of our supervisor and Panel we will contact maximum agricultural Service Providers and agricultural equipment providers to add them in our project. We will also try to launch this website in Urdu language. Later we will add more features on it time to time.

- **Work Breakdown Structure**

Work Breakdown Structure Table					
<i>Provide basic information about the project including: Project Title – The proper name used to identify this project; Project Reference / ID - The unique reference or ID for the project; Project Manager - the person with responsibility for the successful delivery of the project to time cost and quality. Project Sponsor - the person ultimately accountable for the success of the project. Prepared by – The person(s) preparing this document; Date/Control Number – The date the plan is finalized and the change or configuration item control number assigned.</i>					
Project Title:	Web & E-device based Former		Project Reference / ID:		
Project Manager:	Sir Zaman Aziz		Project Sponsor:	Sir Zaman Aziz	
Prepared by:	Abdul Razzaq / Muhammad Awais		Date / Control Number:	4/19/2020	
<a href="#">For more tips on completing this template see WBS Excel template</a>					
Element Number	WBS Elements Activity, Task, or Sub-Task Name	Definition of Activity or Task (Description)	Responsible Person or Group	Estimated (E) or Actual (A) Cost (Cross reference to budget)	Project Phase (Cross reference to schedule)
<i>The unique reference ID for the activity or task.</i>	<i>Enter the name or title of the Task, Sub-task, Activity or Deliverable.</i>	<i>Provide a brief description of this Activity, Task or Sub-Task.</i>	<i>Enter the person or group who are responsible</i>	<i>Enter the estimate or actual cost of the activity or task or add a cross reference to the budget.</i>	<i>Provide the name or number of the Project phase that this activity falls into.</i>
1	Executive Summary	Explanation	Abdull Razzaq /Muhammad Awais		Basic
2	Background	Working	Abdull Razzaq and Muhammad Awais		Working
3	Motivation And Challenges		Abdull Razzaq and Muhammad Awais		Challenges
4	Literature Review/Existing Solutions	Solution	Abdull Razzaq and Muhammad Awais		Solution Needed
5	Pakistan Agriculture Research Council Website	Agriculturer Reasearch	Abdull Razzaq and Muhammad Awais		Agrecultural
6	Agricuture Department   Government of the Punjab		Abdull Razzaq and Muhammad Awais		Govt
7					
8					
9					
10					

- **Roles & Responsibility Matrix**

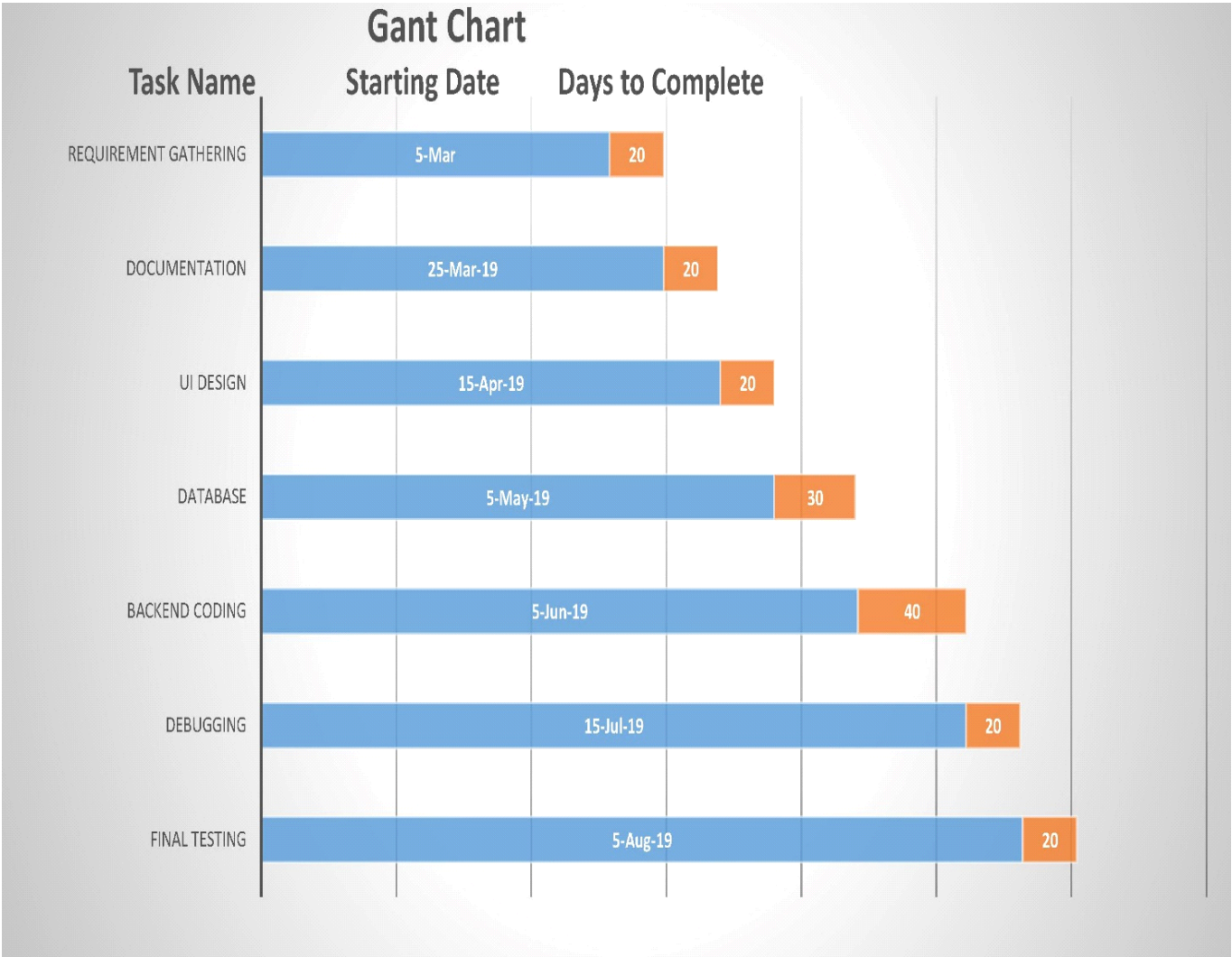
WBS #	WBS Deliverable	Activity #	Activity to Complete	Duration (# of Days)	Responsible Team
-------	-----------------	------------	----------------------	----------------------	------------------

			the Deliverable		Member(s) & Role(s)
1.1	WBS	1	Meeting	1 Week	Abdull Razzaq Muhammad Awais
1.4	Scheduling	2	Meeting	1 Week	Abdull Razzaq Muhammad Awais
2.1	Documenta tion	2	Session	2 Week	Abdull Razzaq Muhammad Awais
2.4	UI Desing	2	Meeting	3 Week	Abdull Razzaq Muhammad Awais
2.5	How To Implements	2	Meeting	4 Week	Abdull Razzaq Muhammad Awais
2.6	Testing Apply	2	Meeting	5 Week	Abdull Razzaq Muhammad Awais
4.1	How to Advertisem	4	Marketing	6 Week	Abdull Razzaq



	ent				Muhammad Awais

- Gantt Chart**



**CHAPTER 1 COMPLETED**