School of Computing

SRM IST, Kattankulathur – 603 203

Course Code: 21CSC303J

Course Name: Software Engineering and Project Management

Experiment No	1
Title of Experiment	To identify the Software Project, Create Business Case, Arrive at a Problem Statement
Name of the candidate	Devansh Verma
Team Members	Saksham Uniyal, Rudransh Gupta
Register Number	RA2211032010051
Date of Experiment	10/01/2025

Mark Split Up

S.No	Description	Maximum Mark	Mark Obtained
1	Exercise	5	
2	Viva	5	
	Total	**10**	

Staff Signature with date

Aim

To Frame a project team, analyze and identify a Software project. To create a business case and Arrive at a Problem Statement for the AgriFarmer Store

Team Members:

S. No	Register No	Name	Role
1	RA2211032010055	Saksham Uniyal	Lead/Rep
2	RA2211032010049	Rudransh Gupta	Member
3	RA2211032010051	Devansh Verma	Member

Project Title: AgriFarmer Store Project

Description:

• The AgriFarmer Store provides a marketplace for farmers to list and sell their products directly to customers

• The AgriFarmer Store formalizes and makes the Farmer Market an organized sector which in it's current state is unsupervised and unorganized

• The marketplace will allow farmers to register on the website and list and delist the items they want to sell to consumers

• For the farmers who are unable to use the website and complete the registeration process on their own, an admin can register the farmer on their behalf and provide any sort of assitance they require

BUSINESS CASE

DATE	10/01/25
SUBMITTED BY	Devansh Verma
TITLE / ROLE	AgriFarmer Store

THE PROJECT

-The main objective of the project is to provide an online marketplace for farmers.
- The aim is to eliminate any middleman between farmers and consumers to avoid any farmer exploitation.
-To create an accurate and flexible system which is easy to navigate by farmers.
-To create a centralized and synchronized database of farmers and agricultutral products.
-To provide any kind of support to farmers facing difficulty in registration and navigation process.

THE HISTORY

-The Marketplace has been unorganized and unsupervised
-The farmers are exploited and payed less for their produce by the middleman who earn higher profit margins
-The middleman can charge the customer any amount of money for the produce without any supervision.
-There are no current solutions for formalizing this sector.

LIMITATIONS

- Small size of farm business: Due to fragmentation and subdivision of farmlands some small size farm business may find it difficult to navigate the website.
size of operational holdings is very small
-Time consuming to create a centralized database due to large number of farmers and variety of agricultural products.
-Time constraints or delays in development due to unforeseen technical issues.

APPROACH

Development tools: Python, Python Flask, SQL, XAMPP v3.7, workspace editor: sublime text 3.
Multidisciplinary expertise: website development, knowledge of database management system along with expertize in navigating through XAMPP
Regular updation of the centralized database to keep it up to date and financial aid to keep the database running in the backend.

BENEFITS

- **User-friendly system:** Simplifies operations and reduces the learning curve for users.
- **Efficiency:** Speeds up processes and improves productivity by connecting farmers directly to consumers using an online place instead of connecting them through a middleman tasks.
- **Accurate and flexible system:** Offers reliable data management and can adapt to various farm management needs.
- **Enhanced user interface:** Easy navigation and operation, encouraging long-term use without errors or frequent maintenance.
-**Admin Support** : Provide admin support for any farmers who have difficulty to navigate and register on the marketplace.
-**Formalizes Farmer Marketplace**: Formalizes the current market scenario of farmer to consumer business eliminating farmer exploitation by middleman.

- **Centralized database**: Seamless access to synchronized data for both farmers and sellers, improving communication and coordination.

Result:

Thus, the project team formed, the project is described, the business case for AgriFarmer Store was prepared and the problem statement was arrived.