**SYNOPSIS**

Project Topic

**Agriculture Management System**

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**Objective of Project:**

Agriculture Management System is to help farmers by providing all kinds agriculture related information in the website. Agriculture Management System is farmer management website application which helps farmers to give best-practice farming processes. It helps farmers to improve their productivity and profitability. It enables farmers to sell their productions through online and farmers can purchase tools and seeds directly from seller. Farmers can view labors profile and they can hire labors.

The name Agriculture Management System indicates Intelligent Agriculture. Agriculture Management System is a model farmer management website application. This site helps the farmers to sell their agricultural produce online and suggests best -in-practice farming processes. Hence, providing a wider market and helping them to not restrict themselves to the local market. This enables wholesalers and retailers to expand their business.

**Modules of the project:**

**Login module**: In this module, the customer, seller, worker and the admin can login to the system by entering login id and password. The system opens main account page after the login.

**Customer module:** The customer can register to the website by entering profile details. The customer can purchase products which are uploaded by administrator. They can also send purchase request for purchasing farm produce which is uploaded by farmers. After quality test and price quotation, the customer can approve or reject the purchase request.

**Seller module:** The farmers are the sellers where they can sell their productions online. The system will display farm produces in the main page of the website.

**Worker module:** This module is for labours where they can register by entering their profile and experience details. The farmers can hire farm labourers in this module.

**Dashboard module**: Dashboard module is for administrator and employees. In the dashboard module, admin has complete settings of the website. Employees can manage all kinds of records.

**Article module:** In the article module, employees or admin can post news and blogs. This article module is helpful for farmers. The farmers can view the article by browsing article menu.

**Category module:** In this module, the administrator can create different types of categories. system has three types of categories: I.e. Farm Produce, Agricultural Machinery & Tools, and Article types

**Products module:** This website sells two kinds of products Admin or employees can sell their productions online.

**Billing Report:** The system generates billing after purchasing the product. The system calculates total cost automatically. In the billing report, it displays customer contact details, billing details, and purchased product information.

**Languages to be used:**

Front end: HTML,CSS

Backend: Java, JSP, Javascript, Jdbc

Database: MySQL Server

**Hardware Requirement:**

Operating System: Windows 7/8/8.1/10

Processor: Intel Core i3

RAM : 1GB or more

ROM : 500MB or more

**Software Requirements:**

1)Apache Server 8.5

2)MySQL Server

3)Browser: Google chrome, Mozilla Firefox etc.