Progress Report Card (For Project Assessment Committee)

Group No: 01   **Name of the Supervisor:** Mr.mahendra Singh Sagar

Project Title: Agricare : Smart Farming & Monitoring

Name and Roll number and Contact number of Team Members:

Name	Roll no	Contact
Rajdeep Singh	2200825130041	7249928879
Swayam Agarwal	2200825130051	7906507878
Aditya Rastogi	2200825130005	9105069770
Aman Kumar	2200825130006	8449061188

Brief Summary of the project (to be written by the student):

Agricare – Smart Farming & Monitoring is an IoT-based project that measures soil moisture, temperature, and humidity using sensors connected to Arduino or ESP32. It provides real-time data to farmers through a web app, helping them make smart decisions. The main problem is that farmers lack affordable, real-time monitoring tools. This system offers a low-cost, easy-to-use solution to improve crop health, save resources, and increase productivity.

Date	Progress / Work Done	Points to be covered till next viva-voce	Signature of Supervisor(s)
	Project idea **"Agricare – Smart Farming & Monitoring"** presented and selected. Basic research and problem identification completed.	Finalize components and circuit design. Start sensor interfacing with Arduino/ESP32.	
	Hardware components (Arduino/ESP32, DHT11, soil moisture, touch, and gas sensors) connected and tested. OLED display integrated to show real-time data.	Develop web application interface. Add gmail and wifi connectivity and alert features.	
	Web application and alert system development in progress. Plan to integrate cloud data storage and prepare final prototype for demonstration.	Complete final prototype and hardware setup. Prepare project report and presentation for final evaluation.	

Name and Signatures of PAC Members: