ACTIVITY 6 – Quality Management Plan

ROLE	RESPONSIBILITY
Customer	Provides input into the original project outline, Reviews and helps decide on proposed project changes.
Project Executive	Provides project leadership, confirms the need within their area of responsibility, validates goals, objectives, and resources and is accountable for the overall delivery of the project.
Project Manager	Obtain funding, manage project budget, schedule and ultimately responsible for project quality.
Project Stakeholders	Provides information, as needed, to ensure that the project stays on track and meets the intended goals and deliverables.
Project Review Committee	Reviews each proposed charter for approval, and provides feedback on known constraints, nature of project, similar projects in flight, high impact/high probability risks.
Business Analyst	responsible for investigating business systems, identifying options for improving business systems and bridging the needs of the business with the use of IT.
Project Team	Responsible for performing the project tasks assigned to them, in order to meet the project goals.
Sponsors	Provide funding. Additional funding will be raised from people who are interested to help.

Quality Management Plan

Project title: Agricultural Drone sin IoT **Date: 04.05.2021**

A. Quality Goals:

- The goals of the project are to solve major agricultural problem using drones.

B. Quality Roles and responsibilities:

- Agricultural drone technology has been improving in the last few years, and the benefits of drones in agriculture are becoming more apparent to farmers. Drone applications in agriculture range from mapping and surveying to crop dusting and spraying. Thus, indicating that Drones are accompanying Earthworm in the quote thus making it

"Earthworms and Drones are farmers' friends"

C. Quality Assurance Approach:

- Drones can help farmers to optimize the use of inputs (seed, fertilizers, water), to react more quickly to threats (weeds, pests, fungi), to save time crop scouting (Validate treatment/actions taken), to improve variable-rate prescriptions in real time and estimate yield from a field.

Experts says

"Drones can monitor any type of crop in any geographical area. Being a Young technology in agriculture its market and use are expected to grow Significantly in the coming years."

D. Quality control:

- With the image produced by the drones using its thermal imaging sensors in the disease control, drones have created a major impact in agriculture thus assuring the quality control of crops.

E. Quality improvement approach:

- Operating on a consultant basis offering land evaluation, and action-based farm improvement maps based on thermal and advanced imaging.
- Creating automated drone systems for existing farms to handle planting, spraying, and regular crop management.

F. Tools, Environment and Interfaces:

- Sensors have created a major impact in agriculture now-a-days. The usage of thermal sensors, imaging using camera of high resolutions and a coding tool like C /Python/Java/MySQL on to maintain the record of the collected analysis crops in a database.

G. Quality Reporting Plan:

- Weekly team meeting will be used to obtain quality plan.