Data Analysis Project

Data Analyst: Suzain Masood Khan
Client/Sponsor: ABC

Purpose

This project aims to analyze plant growth and environmental data to identify patterns, trends, and performance insights that help understand the impact of temperature, humidity, TDS value, and pH level on plant growth. The goal is to support data-driven decisions through structured analysis and reporting.

Scope / Major Project Activities

1. Data Collection: Cleaning the dataset by handling missing values, removing duplicates, and formatting data.
2. Data Analysis: Analyzing prepared data to identify trends and key performance indicators related to plant growth.
3. Data Visualization: Creating charts and summaries to clearly present environmental and growth insights.
4. Reporting: Preparing a final report highlighting key findings and observations.

This Project Does Not Include

1. Real-time or live data collection
2. Predictive modeling or machine learning analysis
3. Implementation of agricultural decisions
4. Data engineering pipelines or databases
5. Ongoing monitoring after project completion

Deliverables

1. Cleaned and structured dataset ready for analysis
2. Summary of trends and environmental insights
3. Basic visualizations and analysis summaries
4. Final written report documenting findings

Schedule Overview / Major Milestones

1. End of Week 1: Data collection and review
2. Mid Week 2: Data cleaning and preparation
3. End of Week 2: Data analysis completed
4. Week 3: Visualization and final reporting
5. Estimated Completion Date: 15 February 2026