***CROP AND FERTILISER RECOMMENDATION SYSTEM USING MACHINE LEARNING – WEEK 1 ASSIGNMENT***

**1. What is ML (Machine Learning)?**

Machine Learning (ML) is a subset of artificial intelligence that enables systems to learn and improve from experience without being explicitly programmed. It uses algorithms to find patterns in data and make decisions or predictions based on it.

**2. What is Supervised ML Algorithm?**

Supervised ML is a type of machine learning where the model is trained on a labeled dataset. This means each training example has an input and a corresponding output. The algorithm learns to map the input to the output accurately. Examples include Linear Regression, Decision Trees, and Support Vector Machines.

**3. What is Regression and Classification?**

Regression is used when the output variable is a continuous value, such as predicting temperature or price.

Classification is used when the output is a category or label, such as identifying whether an email is spam or not.