

## **1.1 Background & Motivation**

One of the most important jobs in a developing nation like India is in agriculture more than 60 percent of India's fertile terrestrial is used for agriculture to meet the demands of its 1.46 billion people making it the furthestmost diverse sector of the Indian economy and crucial to the development of the entire nation so it's essential to adopt new agricultural technologies farmers in our country will be guided by this towards financial prosperity.

Intuition and other minor considerations, such as the desire to earn quick money and a inability of market understanding, demand and supply, inflating a soil's ability of growing a certain crop, and so forth, commonly impact a farmer's choice of which suitable crop to plant.