**IDEATION PHASE**

**SOIL FERTILIZER RECOMMENDATION SYSTEM FOR**

**DISEASE PREDICTION**

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**IDEAS ABOUT PROJECT:**

**The proposed method uses SVM to classify tree leaves and**

**identify the disease and suggest the fertilizer.**

**The proposed method is compared with the existing CNN**

**based leaf disease prediction.**

**The proposed SVM technique gives a better result when**

**compared to existing CNN.**

**This project implement deep learning technique are used**

**to identify the diseases and suggest the precautions.**

**It also helps farmer to perform the activities like crop**

**management including applications on yield prediction, disease**

**detection weed.**

**Detection of crop diseases at an initial stage can help**

**farmers diagnose the disease on time hence increasing the**

**productivity of the crop.**

**The recent year the number of diseases on plants and**

**degree of harm caused has increased due to the variation in**

**pathogen.**

**An automated system is introduced to identify different**

**diseases on plant by leaves of the plant.**

**Deep learning technique are used to identify the**

d**isease.**

**This one especially identify rice bran diseases.**