S.NO	PAPER	AUTHOR	YEAR	DESCRIPTION
1	Intelligent insecticide and fertilizer recommendation system based on TPF-CNN for smart farming	TanmayThorat	2022	The proposed system combines two major aspects in farming: pest identification and insecticide recommendation using machine vision and CNN. Secondly, the soil nutrient analysis uses a soil NPK sensor with the recommendation of fertilizers according to the obtained nutrient values.
2	CNN based Leaf Disease Identification and Remedy Recommendation System	V Suma	2019	This work utilizes an open dataset of 5000 pictures of unhealthy and solid plants, where convolution system and semi supervised techniques are used to characterize crop species and detect the sickness status of 4 distinct classes.
3	Neural Network Based Fertilizers Recommendation System For Disorder Classification And Prediction In Petal Images	N. Valarmathi	2021	This methodology requires experts who can recognize varieties in leaf shading. Ordinarily a similar malady is characterized by a few specialists as a different sickness. Recruiting qualified ranchers can't be reasonable especially in far off geologically detached zones.
4	Soil Based Fertilizer Recommendation System for Crop Disease Prediction System	Dr.P. Pandi Selvi	2021	Methodology, the user will upload the soil test report into the system for soil analysis. soil analysis will be carried out by the sensors. Sensors measure the nutrients level of the soil and the data was stored within the database Next corresponding crops infection status will be analyzed and recorded. Then comparison and classification of the soil

type was carried out using Long or Short term Memory algorithm.