

P.S.V COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE ,New Delhi &Affiliated to Anna University , Chennai)
(AN ISO 9001 :2008 certified institution)

DEPARTMENT OF ECE

LITERATURE SURVEY

YEAR	AUTHOR	PURPOSE	METHODS MENTIONED	INFERENCE
2014	ShivnathGhosh, Santanu Koley.	ML for Soil Fertility and Plant Nutrient Management using Back Propagation Neural Networks.	Back Propagation Neural Network (BPN) and Artificial Neural Network(ANN).	BPN finds the correct correlation percentage So for result it uses ANN.
2017	Prof. D.S.Zingade, Omkar Buchade, Nilesh Mehta,Shubham Ghodekar, Chandan Mehta.	Crop Prediction System using Machine Learning.	Multiple Linear Regression	The difference is that multiple linear regression has more than one independent variables and simple linear regression has only 1 independent variable.
2018	Konstantinos G.Liakos , Patrizia Busato , Dimitrios Moshou, Simon Pearson ID and Dionysis Bochtis.	Machine Learning in Agriculture Institute for Bio-Economy and Agri-Technology.	SVM and ANN	SVM is used here for binary classifier and ANN is used for pattern recognition.
2018	Andrew Crane Droesch.	Machine learning methods for crop yield prediction and climate	Deep Neural Network.	It has the ability to learn by its own technique and produce the output that is not limited to the input. It

		change impact assessment in agriculture.		does not use any data base instead of that it use the large network. So retrieve is easy.
--	--	--	--	---

2019	S.R.Rajeswari , Parth Khunteta, Subham Kumar,Amrit Raj Singh,Vaibhav Pandey.	Smart Farming Prediction Using Machine Learning.	Bayesian network and ANN.	Bayesian network is used to form the Statistical analysis of the given dataset. ANN is used to compares the patterns which has the nonlinear effect and underline concept.
2020	Kevin Tom Thomas , Varsha S, Merin Mary Saji, Lisha Varghese, Er.Jinu Thomas.	Crop Prediction Using Machine Learning.	kNN, Decision Tree, Naive Bayes , kNN with Cross Validation, and SVM.	The accuracies obtained here are 85%, 88%, 81%, 82% and 78% respectively. KNN with cross validation has the highest accuracy for this paper.
2020	Alexandre Barbosa, Naira Hovakimyan, Nicolas F. Martin.	Risk averse optimization of crop inputs using a deep ensemble of convolutional neural networks	Convolutional Neural Network (CNN).	Optimization algorithm show an increase up to 6.4% from the expected net.