**Fertilizer recommendation system for disease prediction**

Team id - PNT2022TMID36289

**Literature survey:**

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| Title & Author | Year | Technique | Proposed system |
| Soil Based  Fertilizer  Recommendation  System for Crop  Disease  Prediction  System - P.Pandi  Selvi,  P.Poornima | 2021 | Long or Short Term  Memory algorithm. | The proposed system was able to analyse the soil nutrient type efficiently, kind of leaf disease present in the crop and predict the fertilizer in a proficient  manner. The approach was flexible, and can be extended to the needs of the users in a better manner |
| Farmer’s  Assistant:  A Machine  Learning Based  Application for  Agricultural | 2022 | Image Analysis, Deep  Learning, Machine  Learning | A user-friendly web application system based on machine  learning and web-scraping |

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| Solutions-Shloka Gupta, Aparna  Bhonde, Akshay  Chopade , Nishit  Jain |  |  | | called the  ‘Farmer’s  Assistant’. With our system, we are successfully able to provide several features crop recommendation using Random  Forest algorithm, fertilizer  recommendation using a  rule  based classification system, and crop disease  detection using EfficientNet  model on leaf  images |
| IOT based Crop Recommendation,  Crop Disease  Prediction and Its Solution -Rani  Holambe, Pooja Patil, Padmaja  Pawar ,  Hrushikesh Joshi,  ,Saurabh  Salunkhe | 2020 | crop recommendation system, crop disease prediction, Internet of Things, Learning | Machine | The ML and IoT based  suggestions will  significantly  educate the farmer and help them minimize  costs and make  strategic  decisions by replacing  intuition and passed-down knowledge with |
|  |  |  | | far more reliable data-driven ML  models. |

Reference:

# 1.http://www.ijetajournal.org/volume-8/issue-2/IJETA-V8I2P1 2.https://www.irjet.net/archives/V7/i10/IRJET-V7I1004