INTELLIGENT FARMING ON WHEELS WITH AI

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Problem: Improper Irrigation in crops due to increase in disease incidents and weed growth resulting in loss of yield.

Product: A vehicle which performs tasks done by farmer such as water, manure supply and disease detection

Initial Prototype: A vehicle which waters, manures the plant and detects the disease.

Business: Approached 50 farmers, 5 professors and 2 employed persons who are working on modern agricultural methods.

Customer Stories: Bal Reddy and Surander Reddy, farmers of Bhaktimala village asked us to work on a product that reduces labour.
They also stated "We don't have much

Progress:
- Week1 : Reassessed the components and sensors required.
- Week2 : Visited Bhaktimala village and talked with farmers about the Problems they are facing and the existing solutions.
- Week3 : Improved image classification using ML algorithms.
- Week4 : Implemented disease detection code.
- Week5 : Collection of data sets of more diseases.
- Week6 : Testing of final product.

Contributors:

Dr . VijayKumari suggested to improve classification using image processing
Mr. S .Vinod, CEO SensiAcre for valuable suggestions on current Farming practices and limitations in farm automation