Assigement No. 1

Page No.

Define a problem statement 1 give a brief executive summary snapshot.

A) Enecotive Someway:

The Farmer's Plant Disease App is Mobile based solution designed to help. Farmers identify & manage plant diseases. Using image recognition technology and. Machine Lewing algorithms, the app will diagnose disease and provide per sonalized recommedations for treatment & management. The app aims to reduce crap losses, improve yields, & enchance decision Making For Farmers.

BProject Description in

The Farmer's Plant Direase Popp is an innovative your to address the Significant challenge of plant direases in agriculture. The app will:

- a Allow Farmers to upload images of offected plants.
- · Use image secognition technology to identify disease.

 Provide personalized treatment & Management
- recommedations.
- diseases of their symptoms.

· Facilitate a community Forum For Farmers
to showe expressionce & advice. c) Project Scopei * Functional Regulirements in - Usex registration & login. - Image Upload & processing - Disease diagnosis using & machine learning algorithms - Personalised recommedations for treatments & monagement. - community forum for fatmery. * Non- Functional Requirements or - Usex experience & interface. - Performance of Scalability - Jecurity & data protection. * Technical Regimentain - Front - end :- React native or Flottex. -Back-end: - node . js or Python. - Detabase :- Mongo DB or Postgre Sgl - Machine Learning Clibrary: - Tensor Flow or PyTorch. * Timeline :- 28 Heeks (approximately 6-7 Months)

· Resources :-- Development Team :-2-3 developers, 1 designer,
1 Project Managor. - Equipment i- mobile devices for testing, Jesviess for back - end infrastructure - Budget :- Estimated 10,000 - 15,000 the comprehensive project scope outlines
the key featured, technical requirements, &
timeline for developing the Faxmex's plant Disease App. It provides a solid foundation. For building an effective tool to support. Farmers in munaging plant diseases. of Technical Beginsmentali-- Debbyder or proper to postore to - Machine Learning - Chrose - Tensor michael -15thorax many) Extracted 65 - 2 2012 2017 *