Aditya Raj
D15B
DATE:

MPL. Report.

Problem Statement :-

Many plant owners struggle to maintain their plants due to inconsistent care routines, lack of personalized guidance, and insufficient knowledge about watering, sunlight, and pest control. Existing plant-care apps often provide generic reminders, lack real time adaptability and fail to address plant-specific concerns effectively. This app aims to provide a smarter, more tailored experience to help users keep their plants healthy.

Description :-

The plant care mobile app will assist users in maintaining their plants by offering a dynamic watering schedule, sunlight and temperature recommendations, and pest control tips. It will leverage user input and optional environmental data (e.g weather API) to provide adaptive care suggestions.

Technology stack :-
i) Frontend : flutter (Dart).
ii) Backend : firebase
iii) Database : firebase

iv) APIs :- OpenWeatherMap API

v) Notifications : Firebase Cloud messaging for
　　　　　　　　　reminders.

Features:

1. Personalized watering schedule based on weather
   and plant type.
2. AI powered plant Health diagonsis.
3. Sunlight and temperature Alerts.
4. Community Forum for plant Owners
5. Offline functionality for care reminder

Conclusion:-

This plant care app aims to provide a more ink
and adaptive solutions for plant maintanance
addressing key shortcomings of existing app
It ensures an enhanced plant care
experience for beginners and experience gardenn