



AMITY UNIVERSITY
UTTAR PRADESH

AMITY SCHOOL OF ENGINEERING & TECHNOLOGY

WEEKLY PROGRESS REPORT (WPR)

For the week commencing: 08/09/2025 – 14/09/2025

WPR 8

Enrollment Number: A41105222180 Program:

B-Tech CSE

Student Name: ABHISHEK KUMAR SHARMA

Faculty Guide's Name: Bhanu Prakash Lohani

Project Title: AI-Powered Smart Farming Assistant

TARGETS SET FOR THE WEEK

1. Perform unit testing (frontend & backend).
2. Conduct user testing and gather feedback.
3. Optimize AI models for speed and accuracy.
4. Fix UI/UX bugs and responsiveness issues.
5. Prepare deployment scripts (Docker/Vercel/Heroku).

Achievements:

1. Wrote unit tests for 10 frontend components and 5 backend routes.
2. Conducted user testing with 5 users: logged and fixed 15+ UI bugs.
3. Optimized AI models to load asynchronously, reducing frontend lag.
4. Ensured responsiveness and fixed 5 device-specific layout issues.
5. Created Docker scripts for backend deployment and tested locally.

FUTURE WORK PLANS

Final deployment, documentation, and report writing in Week 9.