



AMITY UNIVERSITY
UTTAR PRADESH

AMITY SCHOOL OF ENGINEERING & TECHNOLOGY

WEEKLY PROGRESS REPORT (WPR)

For the week commencing: 11/08/2025 – 17/08/2025

WPR 4

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. Setup backend server with Express.js.
2. Design MongoDB schema for users, crops, pests, etc.
3. Create API endpoints for authentication and data fetch.
4. Implement JWT-based authentication.
5. Test APIs using Postman.

Achievements: Research & Planning Phase

1. Setup Express.js server with routes and middleware.
2. Designed and implemented MongoDB schemas for users, crops, pests.
3. Created and tested 5 API endpoints: register, login, fetch crops, pests, logout.
4. Implemented JWT-based authentication with token storage.
5. Tested all endpoints using Postman and documented them.

FUTURE WORK PLANS

Add AI model integration and real-time features in Week 5.