

Human Elephant Conflict Prevention

Week 1:

During Week 1, the primary focus was on identifying a meaningful and sustainable problem to work on. Extensive research was carried out on human elephant conflict, which is a major issue affecting wildlife conservation, farmer livelihoods, and road safety in forest-bordering communities. Various project topics were explored, but based on relevance, feasibility, and sustainability impact, the title “AI-Based Human–Elephant Conflict Prevention System” was finalized. The week also included studying the causes of conflict, understanding existing solutions, and mapping them to Sustainable Development Goal 15 (Life on Land). A clear problem statement was written, highlighting crop destruction, accidents on forest roads, and delayed information flow to rangers. System objectives were also drafted, focusing on early detection, quick alerts, and community safety. This foundational work helped define the scope, purpose, and direction of the entire project.