NabhSeva - AI-Powered Autonomous Drone Delivery System

Innovating Logistics, Empowering Tomorrow
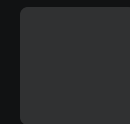
Title Slide

NabhSeva

AI-Powered Autonomous Drone Delivery System

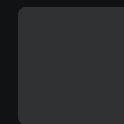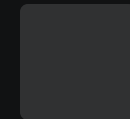Team NabhSeva: Rounak Mishra, Shivam Kumar, Ashish Kumar Pandey, Satyam Gupta

Problem Statement

Rapid urbanization and increasing demand for fast deliveries

Traffic congestion and delays in traditional delivery systems

Lack of efficient last-mile delivery solutions, especially in remote or emergency-prone areas

Our Solution - NabhSeva

1 An AI-powered drone system for smart and autonomous delivery

2 Optimized routes with real-time tracking and safety protocols

3 Supports use cases in healthcare, e-commerce, and disaster relief

Key Features & Tech Stack

Features:

- Autonomous AI flight

- Real-time tracking

- Geofencing

- Predictive maintenance

Tech Stack:

- **Frontend:** HTML, CSS, JavaScript

- **Backend:** Python (Flask/FastAPI)

- **AI/ML:** TensorFlow, OpenCV

- **Cloud & APIs:** AWS, Google Maps, Weather APIs

Impact & Future Scope

Impact:

Faster, safer, eco-friendly delivery system

Use Cases:

- Emergency medicine
- Rural access
- Food delivery

Future:

- Global expansion
- Drone stations
- Swarm coordination

Thank You

Team NabhSeva

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