

Government Problem Statement

4.	Problem Statement Title	AI-based model for Crop Damage Assessment against Natural Disasters like floods, hailstorms, thunderstorms etc.
	Description	<p>Agriculture is a critical sector in Uttar Pradesh, contributing significantly to the economy and livelihoods, particularly in rural areas. However, crops are highly vulnerable to natural disasters such as floods, hailstorms, and thunderstorms, which can cause extensive damage, impacting farmers' incomes and food security. Accurate and timely crop damage assessment is essential for disaster response, insurance claims, and policies, but traditional methods are slow, difficult, and often inaccurate.</p> <p>An AI-based Crop Damage Assessment Model leverages advanced technologies like satellite imagery, drone data, and machine learning (ML) algorithms to provide realtime, accurate assessments of crop damage.</p>
	Department	Office of Relief Commissioner (ORC), Revenue Department
	Sector	Rahat to Farmers (Disaster Management)