

<p>PROBLEM</p> <ol style="list-style-type: none"> 1. Late identification of groundnut leaf diseases 2. Inaccurate manual diagnosis 3. High crop loss and pesticide overuse 	<p>SOLUTION</p> <p>AI-powered deep learning model that classifies groundnut leaf diseases early using image data and provides instant feedback.</p>	<p>UNIQUE VALUE PROPOSITION</p> <p>Affordable, easy-to-use AI tool that enables early disease detection, helping farmers increase yield and reduce chemical use.</p>	<p>UNFAIR ADVANTAGE</p> <ol style="list-style-type: none"> 1. Custom-trained model on regional data. 2. Deployed interface designed for low-tech access. 3. Field-tested real image dataset. 	<p>CUSTOMER SEGMENTS</p> <p>Primary: Smallholder groundnut farmers. Secondary: Agricultural extension workers, NGOs in agriculture, agri-tech startups.</p>
<p>EXISTING ALTERNATIVES</p> <ol style="list-style-type: none"> 1. Manual visual inspection by farmers. 2. Agricultural officers (limited access). 3. Expensive lab testing. 	<p>KEY METRICS</p> <ol style="list-style-type: none"> 1. Model Accuracy (>90%) 2. Number of active users 3. Reduction in pesticide use 4. Crop yield improvement. 	<p>HIGH-LEVEL CONCEPT</p>	<p>CHANNELS</p> <ol style="list-style-type: none"> 1. Mobile App/Web App 2. Agricultural camps & NGOs 3. Government rural initiatives 4. Local agri-input shops. 	<p>EARLY ADOPTERS</p> <ol style="list-style-type: none"> 1. Tech-aware small farmers. 2. NGO-supported rural communities. 3. Agricultural college pilot programs.
<p>COST STRUCTURE</p> <ol style="list-style-type: none"> 1. Model training (GPU, data labeling). 2. App development and maintenance. 3. Outreach and deployment. 4. Cloud/server hosting. 		<p>REVENUE STREAMS</p> <ol style="list-style-type: none"> 1. Government/NGO grants. 2. SaaS model for agri-startups. 3. CSR partnerships. 4. Consulting for other crop models. 		

