



Problem Statement:

The agriculture sector, vital for our country, faces challenges in optimising resources, enhancing crop productivity, and addressing labour-intensive practices. Traditional farming lacks efficient water and soil management, hindering environmental monitoring like soil moisture, temperature, rainfall, sunlight. Comprehensive technology-driven solutions are needed. The Ministry of Agriculture & Farmers Welfare reports a decline in seasonal labour, increasing costs. Researchers found 80% of essential crop management data goes uncollected, affecting resource allocation. Inconsistent crop yields are a concern, linked to imprecise seeding. Agriculture also uses 70% of global freshwater, with much wasted due to inefficient irrigation practices.

Company name

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