



AGRISAKTHI வேளாண் AI - 2026

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PROBLEM STATEMENTS

** Ideas for a problem can be of any category or domain if needed, irrespective of the one which is mentioned. **

PS-NUMBER	PROBLEM STATEMENT	CATEGORY	PRIMARY DOMAIN
AS701	Ideas on effective testing and analyzing the quality of Ayurvedic medicines.	Hybrid	AI/ML
AS702	Innovative solution on improvised agricultural land utilization & layout planning.	Software	AI/ML
AS703	AI powered educational platform on animal breed & livestock biosecurity.	Software	AI/ML
AS704	Enhanced approach on forecasting the inflation/deflation of prices for agricultural products.	Software	AI/ML
AS705	Ideas on implementing voice controlled agricultural equipment/machinery.	Hybrid	AI/ML
AS706	AI powered chatbot for helping farmers on agricultural/crop-based doubts & queries.	Software	AI/ML
AS707	Ideas on Smart Weed detection and weed management technology.	Hybrid	AI/ML
AS708	Effective approach on planning and scheduling plant growth & life period.	Software	AI/ML
AS709	AI powered recommendation system on food & cash crop cultivation for continuous profit.	Software	AI/ML
AS710	Solution on helping farmers to face their difficulties in selecting crops suitable for their agricultural environment.	Software	AI/ML
AS711	AI powered drone systems for pest and weed management (detection, mitigation & prevention).	Hybrid	AI/ML

AS712	AI based approach on crop insurance claims and verifications.	Software	AI/ML
AS713	AI powered animal husbandry system for automated and reduce human interference.	Hybrid	AI/ML
AS714	Solution to enhance cultivating land with varieties of crops instead of monocropping/monoculture.	Software	AI/ML
AS715	Innovative approach on crop health monitoring and early detection of risks.	Hybrid	AI/ML
AS716	Engaging/gamified platform for individuals to have experience on sustainable agricultural practices and tool's working.	Software	AR/VR
AS717	Introducing AR/VR technology for advanced crop growth simulation and experience.	Software	AR/VR
AS718	Improvised ideas for attracting young generation towards farming.	Software	AR/VR
AS719	Block chain approach in agriculture based logistic & Supply chain applications for improved product tracking and monitoring.	Software	Blockchain
AS720	Approach for storing and retrieving agricultural data and practices for preservation and future references.	Software	Cloud/DBMS
AS721	Innovative organic replacement for chemical pesticides/fertilizers involvement in agricultural fields.	Hardware	Biotechnology
AS722	Small-scale cost-effective food processing and value addition technology.	Hardware	Food Technology
AS723	Innovative idea on detecting unauthorized fencing and pest control.	Hybrid	IoT
AS724	Advanced crop residue management with use of technology to reduce pollution.	Hybrid	IoT
AS725	Innovative irrigation ways and technologies for effective water conservation.	Hardware	IoT
AS726	Ideas on implementation of sustainable practices for climate positive farming.	Hybrid	IoT
AS727	Innovative ideas to manage soil fertility and balanced micronutrient contents.	Hybrid	IoT
AS728	Solution on enhancing circular agricultural system.	Hybrid	IoT
AS729	Approach to address water based agricultural problems like annual flood, waterlogging, water stress, drought, etc.	Hybrid	IoT
AS730	Advanced techniques to introduce agricultural co-habitation for improved profits.	Hybrid	IoT
AS731	Enhanced Approach on Livestock health monitoring and management.	Hybrid	IoT
AS732	Solution on enhancing smart urban-to-rural transportation activities.	Hybrid	IoT
AS733	Solution to control post-harvest losses on agricultural products (mainly on perishable crops).	Hybrid	IoT

AS734	Innovative approach to automate agricultural process in order to minimize labor dependency.	Hybrid	IoT
AS735	Improvised approach on smart apiculture activities.	Hybrid	IoT
AS736	Innovative solution to monitor farmer health/stress and manage them effectively.	Hybrid	IoT
AS737	Enhanced approach/technique on precision agriculture.	Hybrid	IoT
AS738	Innovative platform for enhanced agricultural machinery or resources booking and GPS based farm vehicle tracking.	Hardware	IoT
AS739	Solution on improvising the working and application of Hydroponics and vertical farming.	Hybrid	IoT
AS740	Solution for efficient usage of agricultural resources based on the soil and weather conditions.	Hybrid	IoT
AS741	Enhanced approach on monitoring and mitigating salinity issues in soil and irrigation water.	Hybrid	IoT
AS742	Ideas on improvising collaborative environment between agricultural practices and livestock activities.	Hybrid	IoT
AS743	Effective ways to incorporate traditional farming practices with advanced technology.	Hybrid	IoT
AS744	Solution for natural calamity mitigation & alert system in agricultural fields.	Hybrid	IoT
AS745	Application to provide details on government agricultural schemes and financial support for farmers.	Software	Web/App
AS746	Community platform to establish manpower vacancies for agricultural practices.	Software	Web/App
AS747	Interactive platform for educating individuals/farmers on plant growth and agricultural tools & practices.	Software	Web/App
AS748	Smart ideas for implementing doorstep agriculture.	Software	Web/App
AS749	Innovative approach for enhancing farm-tourism in India.	Software	Web/App
AS750	Improved waste to energy solutions for self-sustainability.	Hardware	Renewable energy
AS751	Innovative combination of multiple energy source utilization for advanced and portable agricultural machineries.	Hardware	Renewable energy
AS752	Effective application of geothermal energy for agricultural activities.	Hardware	Renewable energy
AS753	Innovative idea on implementing solar powered tools for agricultural applications.	Hardware	Renewable energy
AS700	Unique idea on indulging innovation in agriculture.	-	-