

SUCCESS STORIES OF STARTUPS

RKVY RAFTAAR – ARISE and UPJA

JyoSH AI Solutions Pvt. Ltd.

Founder: Dr. Sharachandra Lohokare

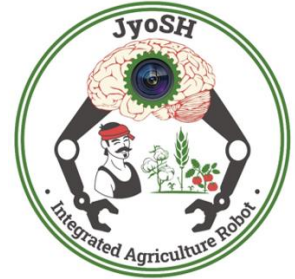
Focus Area: Precision Agriculture including applications of Sensors, WSN, ICT, AI, IoT & Drones

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Foundation Year: 2020

Location: Maharashtra



PROBLEM STATEMENT

Lack of mechanized solutions for cotton farming and harvesting.

SOLUTION OFFERED

Startup has developed a robot using 4 niche technologies like Advance Robotics, Computer Vision, Edge Computing, and AI providing solutions for weed management, crop health monitoring and pest management in the cotton crop.

Build Integrated Agriculture Robot™ which will automate cotton crop cultivation activities like seed sowing, weed detection and removal, crop monitoring and cotton picking etc.



PRODUCT USP

- End to end automation of cotton cultivation from seed sowing to cotton harvesting.
- Products based on computer vision, AI ML, edge computing and advanced robotics

SOCIAL, ECONOMIC AND ENVIRONMENTAL IMPACT

The adoption of advanced robotic technology reduces physical labor. Training farmers and agricultural workers, enhancing their technical abilities. Contribution to healthier cotton crops, which can result in higher-quality cotton products. The use of modern technologies can lead to cost reduction and higher cotton yields, thus increasing revenues for cotton farmers. More targeted and precise application of pesticides and herbicides, reducing the overall use of chemicals in agriculture.



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50+ Farmers Benefitted (During trail phase)

* as provided by the startup [Data Year 2023-2024]