

SUCCESS STORIES OF STARTUPS

Under RKVY RAFTAAR Scheme

Upjao Agrotech LLP

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Focus Area: Precision Agriculture

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Location: Ahmedabad, Gujarat, India

Year of Startup Incorporation: 2022

Incubated in: 2023-24 at IARI



The startup “Upjao Agrotech” is quantifying the quality of agricultural commodities at each supply chain node. It is the first phone-based grain quality assessment company.

The platform uses the patent-pending neural network UpjaoNet™ with AI and a computer vision system to assess 10+ physical quality parameters of grains like color, shape, size, surface defects, etc. in less than 30 seconds. The network is trained on 30+ crops and tested on more than 1 billion kernels with five-level validation. The system can measure grain length with 40-micron tolerance even with low-cost cameras.

Upjao is also an e-NAM-empaneled service provider and caters to different types of users, e.g., farmers, traders, FPOs, APMCs, processors, etc. The technology digitalizes physical assessment of grains and removes human subjectivity.

Upjao has a semi-automated data pipeline, which makes models smarter with traction and time.



 * 1000+ farmers benefitted

 * Rs. 102 Lakh Revenue

 * 100+ pilot & 30+ running locations

 * 50+ Jobs Created

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