

Entrepreneurship Development Programme		
1	Innosapien Technologies Pvt. Ltd. Mumbai	Graduated
2	Health First Hydro Farms LLP	Graduated
3	Transity Digital Solutions Private Limited	Graduated
4	Eco India Agro Industry	Graduated
5	Biotrimantu And Foods Pvt. Ltd. Dhanori, Pune - 411015	Graduated
6	AyurcinBiogenics Pvt Ltd	Graduated
7	Karhaa Valley Farmers Producer Company Limited	Graduated
8	Nisarg Nutraceuticals	Graduated
9	Baramati Farmers Producer Company Limited	Graduated
10	N – Tech Digital Pvt Ltd	Incubated
11	Dhenoo Tech Solutions Private Limited	Incubated
12	Shivar Naturals Agro-Innovation Pvt Ltd	Incubated
13	Instinct Earth Aqua-Scaping Pvt Ltd	Incubated
14	BrazilinaAgroEquipments Private Limited	Incubated
15	Artion Rain And Clean Enviro Technology Private Limited	Incubated
16	Freshplaza Exim Private Limited	Incubated
17	Avasar.Life	Incubated
18	Sujata Innovative Indian Farm Tech	Incubated
19	TatvaHealthtech	Preincubated
20	Wah Kisan	Incubated
21	Dru Farm	Incubated
22	Agrivijay	Incubated
23	Agriraw Ae Private Limited	Incubated
24	RsonAgrotech	Incubated
25	KarhamaiAgro Producer Company Limited	Incubated
26	GrocyMan	Incubated
27	Raheja Solar Food Processing Pvt. Ltd.	Incubated
28	JNS Vet Vision Pvt Ltd.	Incubated
29	Vasuvardhini Cattle Feeds Pvt Ltd.	Pre-Incubated
30	Sofood Private Limited	Acceleration

31	JovakiAgro Food India Private Ltd	Acceleration
32	ADTKVK BARAMATI PRIVATE LIMITED	Incubated
33	BHIMTHADI FOUNDATION BARAMATI	Incubated
34	INDICROP VALLEY PRIVATE LIMITED	Incubated
35	SARAVATE ORGANICS PRIVATE LIMITED	Incubated
36	GEETAI AGRO INDUSTRIES PRIVATE LIMITED	Incubated
37	All Natural Nutraceutical Dog Feed	Incubated
38	Dombe Patil Foods Pvt. Ltd	Incubated
39	Agrozee Organics Pvt Ltd	Incubated
40	Lilashree A2 milk technology Pvt Ltd	Incubated



List of Seed Funding Leveraged

Sr. No.	Start-Up Name	Stage of Funding	Funding (INR)	Name of the Source
1	Brazilina Agro Equipment Private Limited	Pre-Seed Funding	2,00,000	COLLEGE OF AGRICULTURE BARAMATI seed funding
2	Bio-trimantu And Foods Pvt. Ltd.	Pre-Seed Funding	2,00,000	COLLEGE OF AGRICULTURE BARAMATI seed funding
3	N – Tech Digital Pvt Ltd	Seed Funding	15,00,000	RKVY RAFTAAR “Samrudhhi-2019” grant
		Seed Funding	12,75,000	MSME prototyping grant
4	Innosapien Agro Technologies Private Limited	Seed Funding	25,00,000	LABS INDIGRAM FOUNDATION
		Seed Funding	25,00,000	Pusa Krishi Upja -2021 incubation program
5	Artion Rain and Clean Enviro Technology Private Limited	Pre-Seed Funding	5,00,000	RKVY RAFTAAR MANAGE HYDERABAD
		Pre seed funding	10,00,000	Agri-launchpad of Venture Centre Pune
6	Dru-farm Technology Pvt Ltd	Seed Funding	10,00,000	BAJAJ Entrepreneurship Grant, Venture Centre Pune
		Seed Funding	25,00,000	RKVY RAFTAAR MANAGE HYDERABAD
7	Ayurcin Bio-genics Pvt Ltd	Pre-Seed Funding	12,00,000	RKVY RAFTAAR MANAGE HYDERABAD
8	RENEWAGRI OM ECOMMERCE PRIVATE LIMITED (AgriVijay)	Seed Loan	10,00,000	COLLEGE OF AGRICULTURE BARAMATI Soft loan Seed funding
		Seed Funding	25,00,000	CCS NIAM- RKVY RAFTAAR- Rajasthan
9	Vasuvardhini Cattle feeds Pvt. Ltd.	Seed Funding	25,00,000	ANGRAU POSHAN INCUBATOR RKVY-RAFTAAR
10	RSON Agro-tech Pvt Ltd	Pre-Seed Funding	5,00,000	COLLEGE OF AGRICULTURE BARAMATI Soft loan Seed funding

List of IP Generated by start-ups registered

S. No	Name of Start-up	Name of IP Filed	Category	Description
1	AyurcinBiogenics Pvt Ltd	Process For Making Herbal Milk and Compositions Thereof	Patent	Process for making herbal milk and compositions thereof; Application No.201721032006
2	N – Tech Digital Pvt Ltd	Digital and Foldable (Size Adjusting) Artificial Insemination Gun for Every Domestic Animals.	Design	Digital and fold able size adjusting artificial Insemination Gun for every domestic animal (Endoscope) which is for farmers as well as veterinary doctors at price of this endoscope is also very cheap. Endoscope is useful for mammal like cows and buffalo
3	Artion Rain and Clean Enviro Technology Private Limited	Innovative Portable Ground Operated Artificial Rainfall Device	Patent	Present patent represents innovative ground operated artificial rainfall device. It is a novel and unprecedented device which continuously generates charged intermediate negative ions from ground station for ionizing the atmosphere.
4	BrazilinaAgro Equipment Private Limited	Calf Extracting Machine	Patent	The advantages of calf extracting machine will be more readily understood by referring to the following detailed description disclosed herein after with reference to the accompanying drawing and which are generally applicable to delivery processes for cow.
5	RsonAgrotech Automation Pvt. Ltd	Pumps for liquids Design application no 313852-001	Design	The novelty is in the shape and configuration of the 'Pumps for liquids' for smart irrigation system
6	Shivar Naturals Agro-Innovation Pvt Ltd	Trademark	Trademark	Trademark Application no 4302456 and 4302457
7	Dhenoo Tech Solutions Private Limited	Trademark Application for logo and brand	Trademark	Trademark for Dhenoo , class 44, TM type Device
8	RsonAgrotech Automation Pvt. Ltd	Trademark for RsonAgrotech Automation Pvt.Ltd	Trademark	Trademark registration for RsonAgrotech Automation Pvt. Ltd, Trademark No. 4017610
9	Renewable agri Om Ecommerce Private Limited	Trademark for company	Trademark	Trademark Application Temp. Ref. No: 4685310

SUCCESS STORIES OF INCUBATED STARTUPS

	<p>Name of Start-up: InnosapienAgro Technologies Pvt. Ltd.</p> <p>Idea/Technology: Vision for early detection of pests, diseases and deficiency; to create disease free agriculture with the help of advanced technologies such as wearable Computing Augmented reality and plant phonemics.</p> <p>Incubated since: 2019 Sector: Agriculture Sub-sector: AgTech</p>
<p>DIIP Recognition number</p>	<p>DIPP22629</p>
	<p>The Entrepreneur: Mr. Sarang Nerkar Being an innovator, Sarang has always a deep interest in image processing, wearable computing, augmented reality etc. His passion to revolutionize the current agriculture by marrying with state-of-art technologies will solve the complex & widespread issues of agriculture.</p>
<p>Mentorship requirement</p>	<p>Artificial Intelligence and Wearable computing Field trials of prototype on Farm field, warehouse, stores etc. available at ADT, Baramati. Prototype validation on fields of Farmer Producer Organization.</p>
<p>Mentor allotted</p>	<p>Mr. Suhas Joshi</p>
<p>Revenue Generated</p>	<p>Rs. 200000</p>
<p>Taxes Paid</p>	<p>-</p>
<p>Jobs Created</p>	<p>4</p>
<p>Funding/ investment requirement</p>	<p>1 Cr.</p>
<p>Initial Seed funding</p>	

The Challenge

In India, an estimated 15-25% of agricultural yield is lost due to pests, diseases and deficiencies

-Unacceptable delays in problem detection and remedy suggestion.

-Average pest's life cycle is 8-12 days.

-An entire pest life cycle is completed before the diagnosis is done.

– Leading to permanent crop damage and massive losses to farmers.

The Solution

InnosapienAgro Technologies is developing a wearable plant phenomics device for pre-detection of pests, diseases, and deficiencies in plants. The device when ready will be able to detect pests, diseases, and deficiencies 10-15 days prior to any physical damage to the plant. The technology is still in development. The core functionality of imaging outside the visible spectrum has been established, however, the agricultural knowledge and data required for the system to interpret the imaging data are lacking.

Impact

They intend to create awareness of natural means of solving problems instead of the use of pesticides and fertilizers. They believe that nutrition can solve these problems and their product, will facilitate the use of these natural nutrition-based solutions by notifying farmers about problems in advance

	Name of Start-up: Transity Digital Solution Pvt. Ltd. Idea/Technology: Transity Digital Solution Pvt. Ltd. is a digital platform to make farm produce transportation efficient, reliable & optimized. Incubated since: 2019 Sector: Agriculture Sub-sector: Digitech
DIIP Recognition number	DIPP6640
	The Entrepreneur:Mr. Venkata Krishna Kumar Ponnada Professional with experience in areas of Strategy, Business Development, Operations, Marketing, and Technology across Start-ups, SMBs and Large MNCs.Responsible for defining product roadmap, its execution, achieving market fit and growth.

Mentorship requirement	IoT and Digital system Testing of Logistic software Freshflo with APMC markets in Baramati region Provide the Logistic platform for FPO's and Vegetable growers for smooth supply chain of Agriculture Produce. Data and contacts of all logistic
Mntor Alloted	Mr. Yashwant Jagdale. Mr. Tushar Jadhav Centre of Excellence on Vegetables, KVK, Baramati.
Revenue Generated	211778
Taxes Paid	38120
Jobs Created	7
Funding/ investment requirement	50 lakh

The Challenge: Agri supply chain has to deal with several manual processes in the procurement to fulfilment cycle - such as

- Supply Management,
- Inventory Management,
- Customer Order Management,
- Transportation Management, storage, pickup / delivery management etc. while interacting with Farmers, FPOs, Traders, Transporters and Customers.

As a result, there is a huge amount of inefficiency and unreliability that exists in the supply chain for agricultural produce and allied products from farm gate to the end consumer. We are working towards changing that.



The Solution

The platform is designed to help farmers in transporting their produce quickly and cost-effectively to the market. They offer a mobile and cloud-based solution that improves efficiency, convenience and reliability for organizations and individuals. The platform will also have inbuilt optimization algorithms to ensure efficient transportation and digital payment systems. This platform can be integrated with online farm produce marketplaces or can be used by offline a buyer which makes it convenient for buyers of farm produce also to place a transport request.

Impact

Transity Digital Solution Pvt. Ltd offer a technology platform that can enable agribusiness organizations to automate their operational workflows, interact with all stakeholders in the ecosystem seamlessly and make critical decisions so that their operations are highly efficient. Our platform focuses on automating the planning and workflows between organizations involved in movement of agriculture produce, their suppliers, customers and transport vendors so that significant improvements in efficiency and convenience can be accomplished.

Website: <https://transity.co/>

	<p>Name of Start-up: AYURCIN BIOGENICS PVT LTD</p> <p>Idea/Technology: The <u>junk food disorders</u> and the <u>malnutrition deaths</u> was the motivation to start the work in to this domain. Two years ago in 2016 AYURCIN BIOGENICS PVT LTD was established by Mr. Abhijit D. Panshikar and Mr. Milind Goswami.</p> <p>Incubated since: 2019 Sector: Agriculture Sub-sector: Dairytech</p>
DIPP Recognition Number	DIPP7801
	<p>The Entrepreneur Mr. Abhijit D. Panshikar being Partner of the Unit having 23 Years of Experience in Similar industries on various positions such as Production Manager, Marketing Manager, Educated, professional, and has gained sufficient training and has highly motivated for updating unit considering the demand from Market such as Domestic and Export Market, Doctors, Wholesalers, semi wholesalers, retailers, tourists and local peoples as well.</p>
Mentorship requirement	<p>Product commercialization and Export Providing marketing and Funding platform for his venture. Applied for ALC India Pastoral Community Business challenge and He was selected for final round funding of 10 Lakhs. (Final Result awaited) Fund raising support: Applied for Maharashtra start-up week. Networking with Export of products to Durban and Gulf countries.</p>
Mentor Alloted	Dr. Satish Bhise

Revenue Genrated	1500000
Taxes Paid	30000
Jobs created	02
Funding/ investment requirement	50 lakh

The Challenge

Today's modern lifestyle encourages quick meals such as burgers, pizzas, fries, pastries, ice-cream and chocolates. These are loaded with oxidants. 90% junk food is harmful to human beings. It increases health problems like blood pressure, obesity, heart problems, constipation etc.

The Solution

The nutritious natural herbs we are offering through the foods as a supplement. Herbal Milk and Herbal Chikki has started rejuvenating and activating the digestive systems. These food supplements are having full of iron and protein. Our team is getting the gradual and sustainable results. In the society too we have received the appreciation which was motivation for us to take a leap ahead. We have gained one high valuable thing and that is **handling the malnutrition of the society**.

Impact



We have developed the food intake and food supplement to enrich their nutritious values. The food supplement was rich natural herbs with rich natural base. We have developed the checklist for the intake quantum and time durations. We have developed the medical facilitation to have the regular medical check-ups as the feedback.

Ayurcin wish to work under two Business verticals:

- Food Segment
- Healthcare Segment

Ayurcin has designed and developed food supplements, such that through normal food intake, Consumer should have satisfaction with rejuvenation, positivity and immunity.

Website: <http://ayurcinbio.com>

	<p>Name of Start-up: BIOTRIMANTU AND FOODS PRIVATE LIMITED</p> <p>Idea/Technology: We supply a range of Fresh as well as processed vegetables, fruits, Baby foods, Diet Foods and a range of chemical and preservatives free ready to eat and drink items. We also supply certified Organic and Residue Free fresh and processed food items ranging from vegetables, fruits, spices, snacks and chocolates.</p> <p>Incubated since: 2019 Sector: Agriculture Sub-sector: Foodtech</p>
	<p>The Entrepreneur: Mr. Kabir Ulhas Patil Being graduated from the Netherlands with specialization International Agribusiness and Trade returned to India with a vision of providing genuine chemical free food to Indian people thereby simultaneously helping farming achieve more profit through production of Residue Free and or Organic food. He developed an innovation and Farmers Participatory Supply chain for Chemical Free food produce focusing on the most important aspect of Certification of this Chemical Free Food.</p>
<p>Mentorship requirement</p>	<p>Supply chain of Organic Food products Organic certification and food testing services through our corporate partners NAFARI and Reliable laboratories FSSIA licence, Branding and Marketing support Connection with Organic Farmers club for supply of Organic food</p>
<p>Mentor Alloted</p>	<p>Mr. Prashant Naikwadi</p>
<p>Revenue Genrated</p>	<p>-</p>
<p>Taxes Paid</p>	<p>-</p>
<p>Jobs Created</p>	<p>02</p>
<p>Funding/ requirement investment</p>	<p>50 lakh</p>

The Challenge

Potential hazards to consumers from contamination of food with pesticide residues, is currently a major public concern the world over. While pesticides and chemical fertilizers in agriculture are a necessity to control the pests and diseases and enhance crop yield, however their often unrestrained use largely due to inadequate monitoring by the relevant authorities, is posing a grave risk to consumers' health and the environment. The Retail markets of India are flooding with so claimed organic products. However, these products lack certification and traceability. Secondly, there are not much certified organic inputs in the market. Further farmers are unaware about the use of the available organic inputs are they authenticity. Production of Organic or Residue free Foods demands different Package of agricultural Practises and therefore farmer often receive lesser success in production of Organic or Chemical Free foods.



The Solution

Indian farmer have previously tried to produce residue free foods. However, uncertainty of rates in the market, more damage by pest and diseases has discouraged the farmers. Biotrimantu and Foods Pvt Ltd. Have established itself on the core problems of production of Organic or Residue Free foods and their market. Farmer will only produce organic if he receives a better price for it in the market. Biotrimantu and Foods has been working on these concepts. It provides crop based production consultancy to the farmers either individual or FPO's for production of Organic and Residue Free food products. With help of digital platforms using Satellite imaging, and ground data collection it monitors the particular fields for use of any chemicals and it's permitted range. Then it further connects such farms directly with either B2B or B2C customer. Before the product leaves the farms of Biotrimantu& Foods, it is certified through a NABL, APEDA, AGMARK, USFDA accredited Analytical Laboratory. This monitored and organized supply chain developed by Biotrimantu and Foods ensures guaranteed safe food to its consumers. Secondly, Biotrimantu and foods processed foods are made using innovative technology which enables them to avoid use of preservatives and other food grade chemicals during processing of their products. Thus, they also supply more natural, chemical and preservatives free processed products to their varied consumer groups.

Impact

1. Supply of Safe and Chemical free food to its general consumers in affordable prices.
2. Additional profit to the farming community from production of chemical free foods.
3. Restricted or monitored use of chemicals results in reducing the harm caused to the nature during agricultural practises.
4. Restricted or monitored use of chemicals results in reducing the harm caused to the nature during processing of food items.
5. Promotion of chemical free farming among the farming community
6. Enabling the customer to track and trace how the food items he purchases are produced.

7. Creating awareness about use of digitization in agriculture among the farmers and its importance.
8. Providing chemical free foods to customers enabling them to keep a healthy health and eliminating the use of chemicals in agricultural supply chain.

	Business Summary We have built a unique digital platform specifically targeting dairy farmers and their needs. Product provides free access to the knowledge related to dairy farming, best practices, and network of experts, fellow farmers. Following modules are incorporated in the digital platform serving the stakeholders on various aspects. <ul style="list-style-type: none"> ➤ Knowledge Sharing ➤ Forum ➤ Farm Management
DIPP Recognition Number	DIPP42498
	The Entrepreneur:Mr. Santosh Khawale Santosh is a Strategic Designer and Innovation Consultant focused on developing solutions for companies using strategic design approach. His professional work experience of 10+ years dwells into Industry, Academia and NGO's.
Mentorship requirement	Farmer Outreach and IoT Marketing and Launching platform through Krushik Exhibition Background farmers data for launching of App Promotion through large database of farmers associated with ADT Advisory and Consultancy through the experts at Centre of Excellence of Dairy at ADT
Mentor Alloted	Mr. Dhananjay Bhoite
Revenue Genrated	-
Taxes Paid	-
Jobs Created	4
Funding/ investment requirement	70 lakh

Challenges in Agriculture:

- There are well-known challenges faced in food and agriculture sector and there are future challenges due to forecasted population growth across the globe.
- Digital divide between farmers and outside world is affecting badly and hampering growth of agriculture sector.
- Indian farmers specifically don't have access to advancement in agriculture; hence there is dependent traditional knowledge-base. They have insufficient information that lead to wrong decision, and failure in managing their farm.
- Farmer doesn't have access to formal training to manage their farm. Government policies and schemes are not sufficient to fulfil the gap.


Our Solution:


- Dhenoo is establishing a 'digital agriculture ecosystem' by building a digital platform and facilitating environment for innovation, collaboration, co-creation and sharing for farmers and agripreneurs.
- Company is focused on digital literacy, for rural populations and making technology available for every farmer to ensure his growth, increased profitability, knowledge enhancement, updated information.

Impact:

- To start with, we are building a unique digital platform specifically targeting dairy farmers and their needs.
- Product provides free access to the knowledge related to dairy farming, best practices, and network of experts, fellow farmers.
- Product by virtue of its digital technology delivers the certified courses, training and workshops.
- It seamlessly on boards all farmers irrespective of their language and geographical barrier.
- Product enables the state of the art tracking and monitoring system for a farmers and also important alarms and notifications.

Website: <http://www.dhenoo.com/>

	Name of Start-up: N – Tech Digital Pvt Ltd Idea/Technology: The first mobile endoscopic unit for everyday Veterinary and Farm Animal Use. This unique and low cost gun is cost effective and user friendly. Incubated since: 2019 Sector: Agriculture Sub-sector: Dairytech
DPIIT registration number	DIPP48431

	The Entrepreneur: Mr. Prafulla Nehete is third year student of B.Sc. Agriculture stream. He has developed a cost effective Digital AI gun for increasing the conception rate in farm animals. The device has been patented with Patent Number: 201921006617.
Mentorship requirement	Product refinement, commercialization and scale up Prototype development, IPR, Legal assistance for company registration, Field trails at Animal Farm, Pitch deck and Business plan preparation, Validation and testing at IVRI, Bareilly, Applied for RKVY-RAFTAAR grant of “Samrudhhi-2019” and got 1500000 grant.
Mentor Alloted	Mr. Dhananjay Bhoite
Revenue Generated	60000
Taxes Paid	-
Jobs Created	4
Funding/ investment requirement	50 lakh

The Challenge


In India, mandatory equipment like digitally operated AI gun is much expensive and thus beyond reach of AI workers. The traditional semen insemination process lacks efficiency in disposition of semen, poor semen thawing, causes damage to uterus, and results in low success rate. The failure to deposit semen in right position is a common constraint of AI programs and a major limiting factor of reproductive performance by AI workers. Due to inexperience, mostly AI workers deposit semen outside the cervix which reduces the success ratio of technique resulting in lower conception rate in farm animals.

The Solution

Mr. Prafulla has developed a new device called Digital and fold able size adjusting artificial Insemination Gun for farm animals, a substitute to the expensive AI gun, equally efficient and comparatively cheaper. It consists of an Insemination Gun attached to smart mobile camera (Endoscope). Using this device AI worker can observe the external opening of cervix and avoid any direct contact between the insemination sheath and the vaginal wall. It helps in the deposition of semen in right position. It took two years of R & D and many prototype tests to finalize the device. The gun makes it possible to carry out all the controls before and during the insemination.

Impact

This device can take photos during the insemination which you can save and share with your reproduction advisors, allowing you to make rapid decisions and improve the management of your herd. Use of this device increases the conception ratio of artificial insemination by over 70% and reduces the A.I. cost. It has been tested on Cow, Buffalo, Deer, Sheep and Goat. It is user friendly and portable.

	<p>Business Summary BARAMATI FARMERS PRODUCER COMPANY LIMITED</p> <p>Incubated since: 2019 Sector: Agriculture Sub-sector: Agtech</p>
<p>Mentorship requirement</p>	<p>Supply chain and Export of Agricultural Produce Assistance in export of Agricultural produce to Europe, Gulf countries, Supply of quality seedlings, Production of exotic varieties of fruits and vegetables, Working on the theme “doubling the famers income” Access to lower production costs as all inputs – seeds, insecticides, pesticides and fertilisers purchased in bulk at wholesale prices. Assistance in hiring of equipment, including for tilling, sowing, planting and harvest done on a bulk basis to lower their expenditure further. Assistance in following</p> <ol style="list-style-type: none"> 1) Developing market access and financial linkages 2) Capacity building of professional management support 3) Strategy endorsement for FPO advancement
<p>Mentor Alloted</p>	<p>Dr. M.D. Joshi</p>
<p>Revenue Generated</p>	<p>500000</p>

Taxes Paid	-
Jobs Created	10
Funding/ investment requirement	50 lakh

The Challenges

- Small producers do not have the volume individually (both inputs and produce) to get the benefit of economies of scale.
- Besides, in agricultural marketing, there is a long chain of intermediaries who very often work non-transparently leading to the situation where the producer receives only a small part of the value that the ultimate consumer pays.
- The farmer's capacity of investment is often a limit to expend the production or invest into technical equipment to increase their quality and productivity. Thus, the access to capital can be limited despite the availability of term-loan and subsidies.
- It is difficult for farmers to attract and retain skilled manpower as the salary capacity is low. The working time and stressing and tiring work are also not attractive for the skilled manpower to work for farmers.
- The gap in farmer's knowledge is a main challenge in comparison to existing market players. Indeed, the necessity of product marketing and negotiation processes is often limited in favour of production. Moreover, the awareness in matter of soil capacity management, sustainable production methods and modern practices are also a major constraint.

The Solutions

- Treated and certified seeds/seedlings are available from ADT's CoE, KVK Baramati. They are certified insects, diseases and virus free which is necessary in order to obtain a good quality of products as a good productivity. Grafted seedlings are also available for farmers to increase the crop resistance, fruits quality and final yields. These inputs are sold at an affordable price to farmers, with the possibility of delayed payment which can help to manage farming operations.
- ADT's CoE, KVK Baramati is supplying different kinds of farming inputs. A consultancy is also provided to farmers during the whole crop cultivation to fill the gap of knowledge about crops monitoring, efficiency of inputs etc. This consultancy includes the technical

recommendations for irrigation, fertilizers application, pesticides spraying on which timing, which stage etc. A proper guidance for the whole aspects of crops cultivation is given in the Centre of Excellence, ADT's, KVK Baramati.

- The concept of contract farming developed in ADT's CoE, KVK Baramati enable farmers to reduce the risk related to the marketing of their products. They are assured to sell all their production at a fixed price with the respect of quality criteria fixed previously (e.g. residue-free vegetables). By this way, they don't need to spend time on products marketing and can focus of production operations. The fixed price decided in the contract enable to reduce the effect of price fluctuations in the market.
- ADT's CoE, KVK Baramati is providing trainings for farmers on many topics from technical knowledge to entrepreneurship and personal development. During these training sessions, farmers can develop skills about management, organization, communication skills, and leading capacities and so on.
- The confection of Farmers Producers Companies with a concept of membership and shares can enable to get profits thanks to a higher financial capacity. The work in team between farmers can offer many opportunities as the purchase of modern equipment at affordable price for each member with a shared used. This concept can enable each farmer to get access to technologic equipment which will help in increasing the productivity and the quality of their products.

Impact

- Due to the proper consultancy furnished by ADT's CoE, KVK Baramati, the production is increased at farmer's level as for the quality.
- Increased awareness about group work. Due to contract farming, farmers know how all the operations have to be done in the proper manner and at the right time. Farmers have better access to market conditions and access and thus can get better prices as compared to other markets with contract farming. With enhanced collaboration between farmers through the group works and organizations, the farmers can share experiences, technical practices and crops conditions statements (e.g. pests and diseases) between each other and all get better with a strong and profitable partnership.



Business Summary

KARHAA VALLEY FARMERS PRODUCER COMPANY LIMITED COMPANY's main objective is Growing of crops; market gardening; horticulture.

Incubated since: 2019 Sector: Agriculture Sub-sector: Agtech

Mentorship requirement	Supply chain and Export of Agricultural Produce Assistance in <ul style="list-style-type: none"> • Procurement of inputs • Disseminating market information • Dissemination of technology and innovations • Facilitating finance for inputs • Aggregation and storage of produce • Primary processing like drying, cleaning and grading • Brand building, Packaging, Labelling and Standardization • Quality control • Marketing to institutional buyers • Participation in commodity exchanges • Export
Funding/ investment requirement	30 lakh
Mentor allotted	Mr. Yashwant Jagdale
Revenue Genrated	300000
Taxes Paid	-
Jobs created	10
Funding/ investment requirement	50 lakh

The Challenges

- The water scarcity is the major challenge for farmers to conduct agricultural practices. Indeed, the low fertility of soil is a major concern in dry land area due to the lack of water.
- The selection of cropping patterns and crop varieties adapted to dry land are also an important challenge.
- The quality of production is poor according to the market requirements.
- Regarding the processing units, the cereals and pulses need specific equipment for grading and sorting which are not yet available at farmer's level. Lower prices are given to farmers according to this lack of grading and packaging.
- Farmers are not aware about high-tech cultivation practices of vegetables and fruits crops

The Solutions

- In-situ moisture conservation technics are developed for increasing the water table content in soil.
- M.P.K.V Rahuri developed suitable varieties for dry land conditions. These varieties are supplied to the farmers through ADT's CoE, KVK Baramati.
- A proper consultancy is given from ADT's CoE, KVK Baramati directly to the farmers. Trainings and demonstrations are also available to improve the farmer's technical knowledge on modern, profitable and sustainable methods of production.
- ADT's CoE, KVK Baramati took the initiative to help FPO for investing into proper machinery on subsidies basis.

The Impacts

- Livelihoods standards are increased. Due to this activity, more than 900 farmers have seen their livelihoods standards increased.
- The farmers have a better awareness about efficient and high-tech production methods which result into higher yields and a better quality. About 4 trainings sessions are yearly organized, which enable to reach around 240 farmers per year.
- The adapted varieties are more productive and enable farmers to obtain a better yield.
- Proper machinery enables a good added value of final products due to proper grading and packaging. The final profit for farmers is increased as a result of a better selling price.




Name of Start-up: SHIVAR NATURALS AGRO-INNOVATION PVT LTD

Idea/Technology:

Shivar identified that soaps could be made from goat milk which had an edge over other soaps in the skin care market.

Through this initiative, Shivar aims to address the issue of livelihood and economic growth of farmers.

Incubated since: 2019 Sector: Agriculture Sub-sector: AgTech

DPIIT registration number	DIPP58785
	<p>The Entrepreneur: Mr. Vinayak Hegana Vinayak Hegana holds a B. Sc in Agriculture, DYN, DDN, PGD Rural Development (NIRDPR, HYDERABAD) and comes with a skillset around Innovative business ideas, project coordination, material resource and people management.</p>
Mentorship requirement	<p>Product commercialization and scaling up Received support in</p> <ol style="list-style-type: none"> Legal Compliances- MSME and CIN Business Process Improvement-Goat milk supply chain Marketing through platforms like “Krushik” and “Bhimthadi” exhibitions
Mentor allotted	Prof. Ashish Raskar
Revenue Genrated	300000
Taxes Paid	20000
Jobs Created	30
Funding/ investment requirement	50 lakh

The Challenge

The drought, deficit in rainfall and untimely hailstorms have often led to enormous damage to crops. The amount of distress on the farmers can be gauged from the facts that around 597 farmer’s suicides have taken place in the district from January 2011 to 2017. So with the aim of reducing the number of farmer suicides, & providing a sustainable source of income to them the project has been started by Shivar Foundation. Shivar is an initiative to help the distressed farmers of Osmanabad with the help of untapped natural resources available in the region, especially the “Osmanabadi” Goat whose milk has rare properties.



The Solution

Shivar Sansad is an initiative to help the distressed farmers of Osmanabad with the help of natural resources available in the region, especially the “Osmanabadi” Goat whose milk has rare skincare properties. This Osmanabadi goat milk is utilized as a raw material to manufacture beauty soap. With this, Shivar aims to financially strengthen farmers, and the widows & families affected by farmer suicides by providing a sustainable source of income, especially during the non-farming season.

Impact

Goats have come to the rescue of farmers in Maharashtra’s drought-hit district of Osmanabad, providing livelihood to 250 families in the region who have started making soap using their milk. Farming families in 25 villages in the district have joined the project with the help of a local non-government organisation. The project is aimed at helping families of farmers who have committed suicide or have fallen on hard times.

Website: <http://shivarnaturals.com/>

	<p>Name of Start-up:KALPIK AGROTECH LLP Idea/Technology: Cow Dung collecting Machine Incubated since: 2020 Sector: Agriculture Sub-sector: AgTech</p>
	<p>The Entrepreneur: Mr. Mohan Lamb KalpiKAgrotechLlp is a Limited Liability Partnership firm incorporated on 24 May 2018. It is registered at Registrar of Companies, Mumbai. Its total obligation of contribution is Rs. 5,000. Mohan (45) has studied up to 10th standard but is science and technology enthusiast with an interest in machines. He observes the problems faced by farmers and tries to solve them. Earlier, he developed an improved knapsack sprayer, for which he was awarded by NIF in its 7th National Biennial Award Function (2013).</p>
<p>Mentorship requirement</p>	<p>Product refinement, Digital Fabrication and scaling up Prototype development, IPR, Legal assistance for company registration, Field trails at Animal Farm, Pitch deck and Business plan preparation Validation of prototype at KVK Animal farm, Digital fabrication assistance for MVP development</p>

Mentor allotted	Prof. Sidhharth Sancheti
Revenue Genrated	-
Taxes Paid	-
Jobs Created	8
Funding/ investment requirement	50 lakh

The Challenge



Traditionally, dung is collected being manually or by using hoe and a container. Now a day, it's difficult to find labour to manage cow dungs in rural areas and the situation is worse in cities. Today's younger generation is reluctant to get their hands dirty and the lack of tools or devices further compounds the problem. Once during a visit to a dairy farm, Mohan observed the hesitation of labourers in picking and collecting cow dung by hand. While interacting with the dairy farmer, he came to know that there was always shortage of manpower due to the nature of work involved. In today's scenario farmers are having hard time in maintaining the cow shed to clean the cow dung they have to spend more time or they have to hire workers for more money.

The Solution

Mohan developed his first prototype in 2015, which got further modified based on the feedback till the final model developed in 2018. The cow dung collecting machine has a 0.5hp dc-gearred motor, battery, picking and conveying trays, collector, caster wheels, etc. It can work with AC geared motor also. It has a working width of 45 cm and a capacity of 8 kg/min. It costs Rs. 15,000 (with battery).

Impact

Efficient manure handling from cleaning and collection through treatment, transfer and storage, reduces costs, improves the health of the herd and productivity of the farm. The use of machine reduces the back pain drudgery of users, helps in collecting dung in Gaushalas, dairy farms and also at roadsides without touching by hands, can also be used for collecting other unrequired material like sand, mud and other waste.

	Name of Start-up: BrazilinaAgro Equipment Private Limited Idea/Technology: Calf Puller Machine Incubated since: 2019 Sector: Agriculture Sub-sector: AgTech
DPIIT registration number	DIPP50499
	The Entrepreneur: Mr. Shubham Jadhav Final year Animal Husbandry Student, who designed the cost effective calf puller for problematic caw deliveries. He filed the design patent for his device.
Mentorship requirement	Product refinement, commercialization and scale up Prototype development, IPR, Legal assistance for company registration, Field trails at Animal Farm, Pitch deck and Business plan preparation, Validation and testing at KVK Dairy farm. Assistance in marketing and compliance.
Mentor Alloted	Mr. Dhananjay Bhoite
Revenue Generated	200000
Taxes Paid	-
Jobs Created	4
Funding/ investment requirement	30 lakh

The Challenge

In most cases of dystocia during calving, the calf can be pulled by hand after correcting any abnormality of position. There are some instances, however, when a mechanical calf puller, or calf jack, is needed to pull a calf.



- A live, viable beef calf,
- The welfare of the cow,
- Preservation of the dam's reproductive soundness and her ability to breed back

The Solution

Mr. Shubham Jadhav developed improved calving device which is simple in construction and easy to operate. This invention relates to animal husbandry, and more particularly to devices for assisting delivery of calves. A main object of the invention is to provide a novel and improved calving device which is simple in construction, which is easy to operate, and with which pressure may be applied to a cow during pulling of its calf in a novel manner such that delivery of the calf is facilitated. This improved calving device which involves inexpensive components, which is sturdy in construction, which is easy to set up, and which provides pressure to the rump of the cow in a manner facilitating delivery of the calf and reducing the time required to extract the calf from the cow.

Impact

The puller can be a real lifesaver when the calf appears stuck at the hips (farmers refer to this as hiplock). The calving jack can cut out a lot of the pain and effort of the delivery process. When there is no enough manpower to handle the cow birth, calf jack is an excellent tool when used appropriately. For small scale cattle owners, one person or even a woman can handle the equipment. The equipment is cost-effective and user friendly.

	<p>Name of Start-up:ARTION RAIN AND CLEAN ENVIORO TECH PVT LTD</p> <p>Idea/Technology:ARTION is a commercial private Ltd company, Committed to the effective deployment of precipitation enhancement technologies. ARTION is focused on research and development which can be used for climate change adaptation.</p> <p>Incubated since: 2020 Sector: Weather Modification Sub-sector:Cleantech</p>
DPIIT registration number	DIPP57160
	<p>The Entrepreneur:Dr. (Mrs.) N. A. Doshi, Founder, B.E., M.E., Ph.D.</p> <p>Dr. Neeta Doshi is working as Associate Professor at SVPM C.O.E. Malegaon(BK) has Completed her Ph.D. “Feasibility study of Artificial Rainfall system using ION seeding by High voltage supply” in 2016. She is passionate researcher turned in to entrepreneur. She has filed a patent on “Innovative Portable ground operated Artificial Rainfall device”.</p>

Mentorship requirement	Product refinement, commercialization and scale up Prototype development, IPR, Legal assistance for company registration, Field trails at Poly-house and Greenhouse conditions for precipitation of water, Pitch deck and Business plan preparation, Validation and testing of prototype with the help of IMD. Applied for WEE foundation Mentoring program.
Mentor Alloted	Prof. Ganesh Shinde and Dr. Rajendra Jagdale
Revenue Generated	-
Taxes Paid	-
Jobs Created	4
Funding/ investment requirement	1.5 CR

The Challenge



Though India's fields and farms are fed by various irrigation sources, almost 50 per cent of the country's net cultivated area depends on rainfall. The total food production, the livelihood of farmers, food security, and the growth of allied industries are severely impacted by a deficient monsoon. **ARTION** Ionization Technology enhances rainfalls in catchment, rain shadow and drought regions. The Ionization increases natural rainfall by local ionization and is completely environment-friendly with positive effects such as air purification, increase in visibility in fog, increase in agriculture yield and boost in medical condition.

The Solution

The Ionization Technology is based on charging aerosols in the atmosphere with High voltage negative ion generator installed at the ground. The aerosols carry negative charges to the clouds which enhance condensation processes and growth of water particles, e.g. liquid drops and ice structures by triggering the natural microphysical processes in the clouds. When entering the influenced area, rain cells grow in size, strengthen rainfall intensity, and extend their life-span.

Impact

The benefits from the additional rainfall produced by catalysing precipitation process to enhance rain artificially, once demonstrated, are likely to make adoption of the technology a commercially viable strategy for large scale farmers, advantage in addressing water shortages and water floods aimed at irrigation, pasture, crop and forest growth, environmental flows and country centre urban water supplies. The impact of the negative ions generated increases visibility during fog events at airports. Increase in the agriculture yield, and purification of air are the coming off shoots.

	<p>Name of Start-up: Fresh plaza Exim Private Ltd. Idea/Technology: Export and Import in all agriculture related products, International Supply chain for agriculture Produce Incubated since: 2020 Sector: Agtech Sub-sector: Agri-Trade</p>
<p>DPIIT registration number</p>	<p>DIPP58804</p>
	<p>The Entrepreneur: Mr. Vijay Choudhari and Mr. Tejas Vijay Choudhari: Fresh plaza Exim Private Ltd. is Indian based Company founded by Mr. Vijay Choudhari and Mr. Tejas Vijay Choudhari. The Company office is located in Pune, Maharashtra. The Company aims to Provide superior quality products as per client demands and encourage farmers for producing quality products and increase their income. Export and Import in all agriculture related products such as Fruits, Fresh Vegetables, Cereals, Pulses, Oilseeds, Spices, Floriculture and Seeds, Machineries, Agrochemicals and Other Products.</p>
<p>Mentorship requirement</p>	<p>Product refinement, commercialization and scale up Guidance in Export and Import legal and regulatory compliance, Trademark and firm registration. Development of innovative supply chain and international market contacts.</p>
<p>Mentor Alloted</p>	<p>Mr. Yashwant Jagdale</p>
<p>Revenue Generated</p>	<p>-</p>
<p>Taxes Paid</p>	<p>-</p>
<p>Jobs Created</p>	<p>20</p>
<p>Funding/ investment requirement</p>	<p>70 lakh</p>

The Challenge:

Main obstacles faced by the fresh fruit/vegetable produce exporters at international level

- Insufficient coordination among border agencies multiple Border controls
- Long waiting times loading/unloading port reducing the Quality, thus final price of perishables
- Non-availability of online export documentation Processing
- Lack of the cross-border data harmonization and use of Int'l standards/norms country wise.
- Non availability of traceable and certified material for Exports

The Solution

Fresh Plaza Exim Pvt Ltd is dealing in Domestic as well as International Market. We are aiming to provide the better opportunities to Farmer Community for selling there produce in Better prices. Main objective is to connect the farmer's community for growing fruits and vegetables by contract farming and generate their fix income from it. We are dealing with almost all agriculture related products so providing wide opportunities to farmers for growing.

- Supply good quality agricultural products in Domestic as well International Market.
- Connecting Domestic Network such as Hospitality Industry, Supermarkets and Retail Stores so providing huge opportunity for large number of Farmers.
- Establish a good brand image of Indian produce in International Market by supplying good quality products.
- Exploring new International Markets and Increasing opportunity for Exports.
- Providing services for importing new technologies in Agriculture.
- Providing Consultation for growing good quality produce
- Connecting Farmers to a good Input supplying network in cheap prices.

Impact

SUPPLY CHAIN IMPROVEMENTS

- Increased implementation of gap
- Value addition through consumer packs
- Grading as per export standards
- Absolute efficiency of laboratories
- Traceability throughout the supply chain
- Zero paper-work & total accountability

RENEWAGRI OM ECOMMERCE PRIVATE LIMITED



COLLEGE OF AGRICULTURE BARAMATI Baramati Foundation conducted various board meetings to help them get connected with different FPO's and Warehouses in the Baramati region to conduct his prototype trials. COLLEGE OF AGRICULTURE BARAMATI Baramati Foundation also connected them with Kan biosys company in the Pune for product deployment. The startup also got 25 lakh Rupees of seed funding from Upja RKVY RAFTAAR scheme after receiving guidance of incubation center team.

WEBSITE: <https://agrivijay.com/>

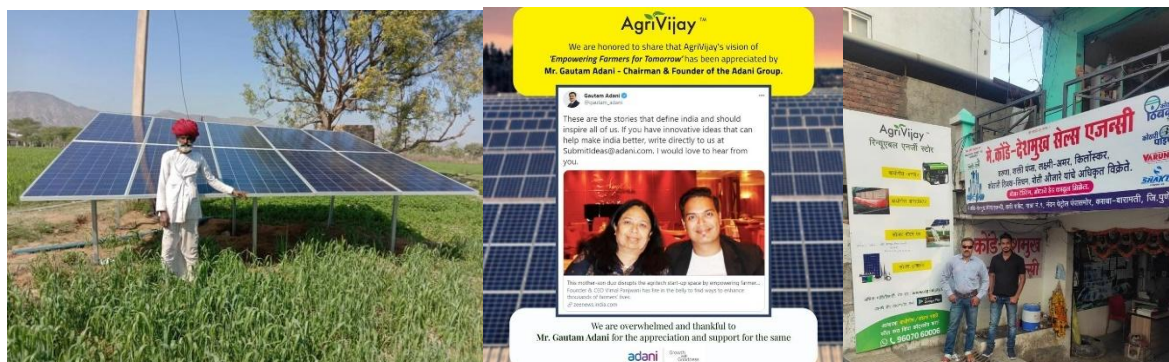
ENTREPRENEUR: VIMAL PANJWANI

INNOVATION:

AgriVijay is an offline & online platform for Farmers that Empowers them by providing plethora of Renewable Energy Products & Services along with New Technological Innovations in Agritech space coupled with Energy Advisory that promises either increase in the Yield or Savings by reducing expenditure & dependency on Fossil Fuels making them 'Energy Independent' along with contribution to the 'Climate Change'.

SOCIAL IMPACT:

Launched in June 2020, AgriVijay successfully collaborated with 20+ solar and biogas companies bringing them under one umbrella and today boost of 100+ products. Farmers benefit from its pocket-friendly prices and time-saving measures. For further ease or procurement for farmers across India, the company designed a Franchise Model – AgriVijay Renewable Energy Stores for Rural entrepreneurs who will provide these products to the farmers thus ensuring rural growth and generating employment within the village.



Direct Jobs Created: 25 full-time employees

RSN Agrotech Automation Private Limited



COLLEGE OF AGRICULTURE BARAMATIBARAMATI FOUNDATION IMPACT:

AIC ADT Baramati foundation provided the testing of Logistic software Freshflo with APMC markets in Baramati region. Along with Center of excellence on vegetables, COLLEGE OF AGRICULTURE BARAMATI has provided the logistic platform for FPO's and Vegetable growers for creating smooth supply chain of Agriculture Produce in the Baramati region.

WEBSITE: <https://www.rsonagrotech.com/>

ENTREPRENEUR: Mr. Rajendra Takawane

INNOVATION:

The Startup is founded by farmer turned entrepreneur Mr. Rajendra Takwane. Mr. Rajendra Takwane, is a farmer from Pargoan village situated in Daund tahsil of Pune. He completed his 12th with ITI Diploma in electronics. After joining hands with his father in Agriculture, he got an idea

to develop the Smart Automated irrigation system which makes use of capital intensive IoT based irrigation technology that includes controllers, sensors, flow meters and networking devices. Mr. Rajendra focused on rectifying the farm-related problems by implementing the technology in it. He has majored in Electronics and Telecommunication, which played a role of helping hand in innovating the smart irrigation system.

SOCIAL IMPACT

The device is being manufactured under the name RA-SM-19 (RSON AgroTech Smart Irrigation). The product is specially designed keeping the farmer class and middle-class people in mind. His device is beneficial for smaller or moderate quantity land and can easily be operated from anywhere across the nation. The device balances and equates Ec/pH value of fertilizers and water and saves up electricity due to the essential and effective usage of the motor.



SoFood Pvt. Ltd.



Direct Jobs Created: 04 full-time employees

COLLEGE OF AGRICULTURE BARAMATI BARAMATI FOUNDATION IMPACT

For increase the customer base and farmer connects COLLEGE OF AGRICULTURE BARAMATI provided the Marketing platform through Krushik-2021. The Startup got DIPP recognition after registering with AIC-ADT. COLLEGE OF AGRICULTURE BARAMATI is helping the startup for filing the patent and raising the seed funding through the various government grants.

WEBSITE: <https://sofoodproducts.wordpress.com/> & <http://brotos.co.in/>

ENTREPRENEUR: Mr. **Sumit Tated**

INNOVATION:

SoFood Pvt. Ltd. is a start-up initiated by three young entrepreneurs, **Amita Shah**, **Rishabh Chaudhary**, and **Sumit Tated**. Born and raised in the district of Vidarbha, **Sumit Tated**, a Green Technologist & Chemical Engineer from ICT Mumbai, always aspired to work towards making a difference in rural and developing India. Being a research student in Green Technology, he came across the idea of dehydrating sprouts which can be stored for long and can be instantly prepared later.



SOCIAL IMPACT

Brotos are sun-dried sprouted pulses prepared using unique drying process to harness natural light, giving healthy, nutritious & easy-to-prepare sprouts for your everyday meals. One serving of meal provides 20% of the daily protein requirement and is super rich in vitamins, minerals, and enzymes. These sprouts are Gluten-free and Vegan too. Product is available on their own website, Amazon, Big Basket, Flipkart, LBB, Seniority to name a few in the online market. It's also available on shelves of Spencer's retail chain & Haiko Supermarkets. The Startup have sold more than 20000 units last year. BROTOS Instant Sprouts having a shelf life of 6 months without any preservatives added and can be cooked in 5 minutes.

Direct Jobs Created: 06 full-time employees

JovakiAgro Food India Pvt. Ltd



WEBSITE: <https://www.jovaki.com/>

ENTREPRENEUR: **Mr. Rajesh Ojha**

INNOVATION:

We develop a value chain of underutilized fruit of tribal zones of Rajasthan. JovakiAgro Food India Pvt. Ltd provides implementation support for establishment of custard apple value chain in the tribal areas of Rajasthan India. It includes starting from the first step of establishing the system for collection of fruits, it's processing and ultimately marketing the final value-added product.

SOCIAL IMPACT

There is a demand of 10,000 ton of Pulp in Indian market and also a huge demand in export. Pulp being highly demanded in the processing industry, JovakiAgro Foods is trying to cater the market needs and create a strong supply chain for the targeted industries. The pulp is used in the preparation of natural flavored ice-creams, milk shakes, smoothies and sweet dishes like firni, rabdi, kheer etc. The Seeds – The seeds of the custard apple are supplied in bulk to different industries that uses for making beauty products, oils, insect repellents, pharmaceutical usage, insecticides etc. Jovaki provides feed various ice cream industries, catering Industries, sweet shops and frozen item whole seller and trader.



Direct Jobs Created: 10 full-time employees

COLLEGE OF AGRICULTURE BARAMATI FOUNDATION IMPACT

COLLEGE OF AGRICULTURE BARAMATI Baramati foundation is helping JovakiAgro foods for assistance in marketing , distribution and sales out of Rajasthan through other online/offline channels. Guidance for launching their new products such as Sugar Free Jamun Juice and Jamun Vinegar is being provided through AIC-ADT's network and mentors. COLLEGE OF AGRICULTURE BARAMATI is also helping the Jovaki for fund raising for scaling up their operations.

NisargNutraceuticals



WEBSITE: <https://www.exportersindia.com/nisarg-nutraceuticals/>

ENTREPRENEUR: Mr. DhananjayS. Tekawade&Mr RajkiranJadhav,9561095708

dstekawade@gmail.com,

INNOVATION:

INNOVATION: Manufacturers, Exporters and Suppliers of ORGANIC CERTIFIED Sugar Cane Juice, Sugar Cane Flavored Syrup, Medicated Sugar Syrup, Invert Sugar, Jaggery Products and Jaggery.



SOCIAL IMPACT

In recent years, the demand for organic and sustainable products has witnessed a significant rise. Consumers are increasingly conscious about the environmental impact of their choices and are seeking alternatives that align with their values. In this context, a startup has emerged that specializes in manufacturing value-added products from sugarcane, offering organic and sustainable options to the market.

Direct Jobs Created: 10 full-time employees

AIC-ADT BARAMATI FOUNDATION IMPACT

AIC-ADT Baramati foundation is helping Nisarg Nutraceuticals foods for assistance in marketing , distribution and sales out of Maharashtra through other online/offline channels. Guidance for launching their new products such as invert medicted sugar syrup, Organic jaggery, Beverages, Food Grains & Cereals, Jaggery, Medicines Tonics and Drugs and Sugar.

Raheja Solar Food Processing Pvt. Ltd.



Overview of the Start-Up

Raheja Solar Food Processing Pvt. Ltd. has been helping farmers protect their perishable produce and increase their income by using its scientific, low-cost, easy-to-use, and advanced Solar Dryers.

Business Model

Raheja is providing farmers the most affordable and do it yourself foldable solar dryer to create value added products from the produce which otherwise goes waste or sold at very low prices. Raheja Solar Dryer dehydrates the produce without losing their natural color, taste, fragrance and nutrient and gives them at least one year shelf life. The firm provides complete step-by-step guidance – from installment of the dryer, to processing of produce, to support in marketing of products through trusted B2B contacts. Direct beneficiaries of the firm include entrepreneurs, self-help groups, FPOs, small scale enterprises, etc.



Impact Generated

- Around 3 thousand small and marginal farmers are earning a good income using these solar dryers.
- One electric dryer consumes 4 units of electricity per day. Farmers saved approximately six thousand units of electricity per day and twenty two lakh units yearly with the zero-electricity solar dryer concept.
- Over 150 companies use dried products in various industries like baking, hotels, medical and health, etc.
- Around three hundred deprived women became self-reliant by using these solar dryers.

INSTINCTEARTHAQUA-SCAPINGPVTLTD



Entrepreneur: Chhaya Damodar Shedge

Mail id: ssdshr223@gmail.com

Mobile Number : 9146702402

INNOVATION: “Instinct Earth Aqua-Scaping Private Limited” is a Private Limited Company based firm, engaged as the foremost Manufacturer of ClayBall, Indoor Vertical Plant, Artificial Potted Plant, Artificial Vertical Garden Wall, Vermicompost Fertilizers, Hydroponic Machine, etc. We are also Service Provider of Green Wall Installation Services, Gardening Service and Vertical Garden Landscaping Services, etc.



SOCIAL IMPACT : Employment Generation , Team Building , Awareness of new Hitech Agriculture to local farmers for residue free farm produce . Exotic vegetables production with good rates as compared to local produce . Tie-Ups with industry experts successfully for more than 5 years

DruFarm Technology Pvt Ltd



ENTREPRENEUR: SANKET KEDAR

Mobile: 9970692524

sanketkedar92@gmail.com

INNOVATION: Affordable and farm-specific IoT and Cloud-based Farm Intelligent System (FIS) for Grape farmers that can effectively prevent soil salinization & improve farm production.

SOCIAL IMPACT: DruFarm Technology is Nashik based Agriculture technology startup providing IoT & cloud-based solution to the farmers to prevent farm soil health degradation & improve farm quality production. DruFarm is developing proprietary IoT based device and AI powered algorithm to address 6 million farmers of India.



Direct Jobs Created: 06 full-time employees

AIC-ADT BARAMATI FOUNDATION IMPACT

The AIC-ADT Baramati Foundation has made a significant impact on Dru-Farm Technology by providing support in various key areas:

Field Trials at KVK Farm: The foundation has assisted Dru-Farm Technology in conducting field trials at KVK (Krishi Vigyan Kendra) farm. This support is essential for testing and validating the company's agricultural innovations in real-world conditions.

Fundraising: AIC-ADT Baramati Foundation has played a pivotal role in helping Dru-Farm Technology secure funding. This financial support is crucial for the company's research, development, and expansion efforts.

Outreach: The foundation has also been instrumental in extending the reach of Dru-Farm Technology's innovations. Through outreach initiatives, they have helped the company connect with a broader audience, including potential partners, investors, and customers.

JNS VET VISION (I) PRIVATE LIMITED



ENTREPRENURE: Mrs Jyoti Nilesh Shevate & Mr. Nilesh Shevate

Mobile: 8830719754, vevoipl1983@gmail.com,

INNOVATION: The J.N.S. Vet Vision Private Limited is a company that produces various modern tools and equipment for the Animal Husbandry Department.

1. **Liquid Nitrogen Container Shock Suspension System:** This patented device ensures the safe transportation of AI straws and animal sperm samples on motorcycles, protecting them from temperature fluctuations and shocks. Trials have shown it can save 16 to 18% of liquid nitrogen, maintaining the samples' viability.
2. **Semen Thawing Device:** A battery-operated device crucial for testing livestock fertility before artificial insemination. It streamlines the thawing process, ensuring accurate fertility assessment.
3. **Video-Guided Artificial Insemination Gun:** An innovative tool that assists in artificial insemination for cattle and other animals. It enhances the success rate of insemination procedures.



4. **Animal Lifting Device:** Developed in collaboration with Krishi Mahavidyalaya Rahuri and KVK Baramati, this device facilitates the lifting of sick animals, particularly those lying on the ground. It simplifies procedures like hoof trimming, saline administration, and embryo transfers using tractors or vehicles.

The AIC-ADT Baramati Foundation has played a crucial role in supporting J.N.S. Vet Vision Private Limited in various aspects, making a significant impact on the startup. **Field Trials:** The foundation has assisted J.N.S. Vet Vision Private Limited by facilitating field trials. This support is essential for testing and validating the startup's innovative products and solutions in real-world agricultural and animal husbandry settings.

Fundraising: AIC-ADT Baramati Foundation's support in fundraising is crucial for J.N.S. Vet Vision Private Limited's growth and development. Access to funding is essential for research, product development, and scaling operations.

Rudranjali Innovative Agritech Private Limited



ENTREPRENEUR: Mr. Sunil Rathod, Innovator, Ph. D (Farm Machinery & Power Engineering) Maharana Pratap University of Agriculture And Technology, Udaipur (Perusing)

I/C Principal, Sahyadri College of agricultural Engineering, Karad (MPKV, RAHURI)

Mobile: 7397902830,

Email: sunilrathod048@gmail.com,

INNOVATION: RUDRANJALI INNOVATIVE AGRITECH PRIVATE LIMITED is

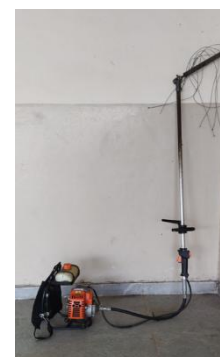
Kolhapur based company manufacturing sugarcane harvester and stripping tools. The company is working on the development of an indigenized prototype for a Sugarcane harvester.

Sugarcane cutter is useful for reducing drudgery and efforts of farmer to cut the cane in harvesting operation and to provide the safety to the operator. To save the time of operation of cutting To developed affordable or hireable machine for low-income groups associated with Sugarcane farming

Sugarcane Stripper is a hand tool for stripping of sugarcane leaves and de topping of cane after harvest By stripping the leaves of sugarcane, sun rays directly reach on cane which is beneficial for increasing growth of sugarcane Removed leaves of sugarcane used for mulching purpose, to control weed and rate of evaporation. Small size sugarcane strippers were designed for one or two canes at the time of weeding and bigger were used for stripping at the time of harvesting



Mini Sugarcane Cutter



Sugarcane Stripper



The AIC-ADT Baramati Foundation has played a crucial role in supporting the startup by providing help in conducting

- Demo of developed products in front of at least 500 farmers in Krushik Exhibition 2022 & 2023
- Demo for sugarcane factories-10

VASUVARDHINI CATTLE FEEDS PRIVATE LIMITED



- Demo in orchard's -15 farmer's field

ENTREPRUNERE: Divyaprabha Bhosale

Mobile: 7218707208

Email id: divyaprabha185@gmail.com,

INNOVATION: The company formulates and manufactures the feed for dairy animals and deals with milk enhancing cattle feed and supplements.

1. Protein Bar is Prepared without any chemical additives and Non veg protein source as it is banned due to Mad Cow Syndrome
2. Digestible Crude Protein 37.10 %, Crude Protein 43.51 %
3. It does not have any Antinutrient Factor
4. It also acts as a Dewormer
5. It increases Milk yield significantly and also increases Digestibility of feed

SOCIAL IMPACT: The startup is manufacturing the 100 tons per month of Protein bar Cattle feed and selling it to the Dairy farmers and have observed significant change in Milk quality.

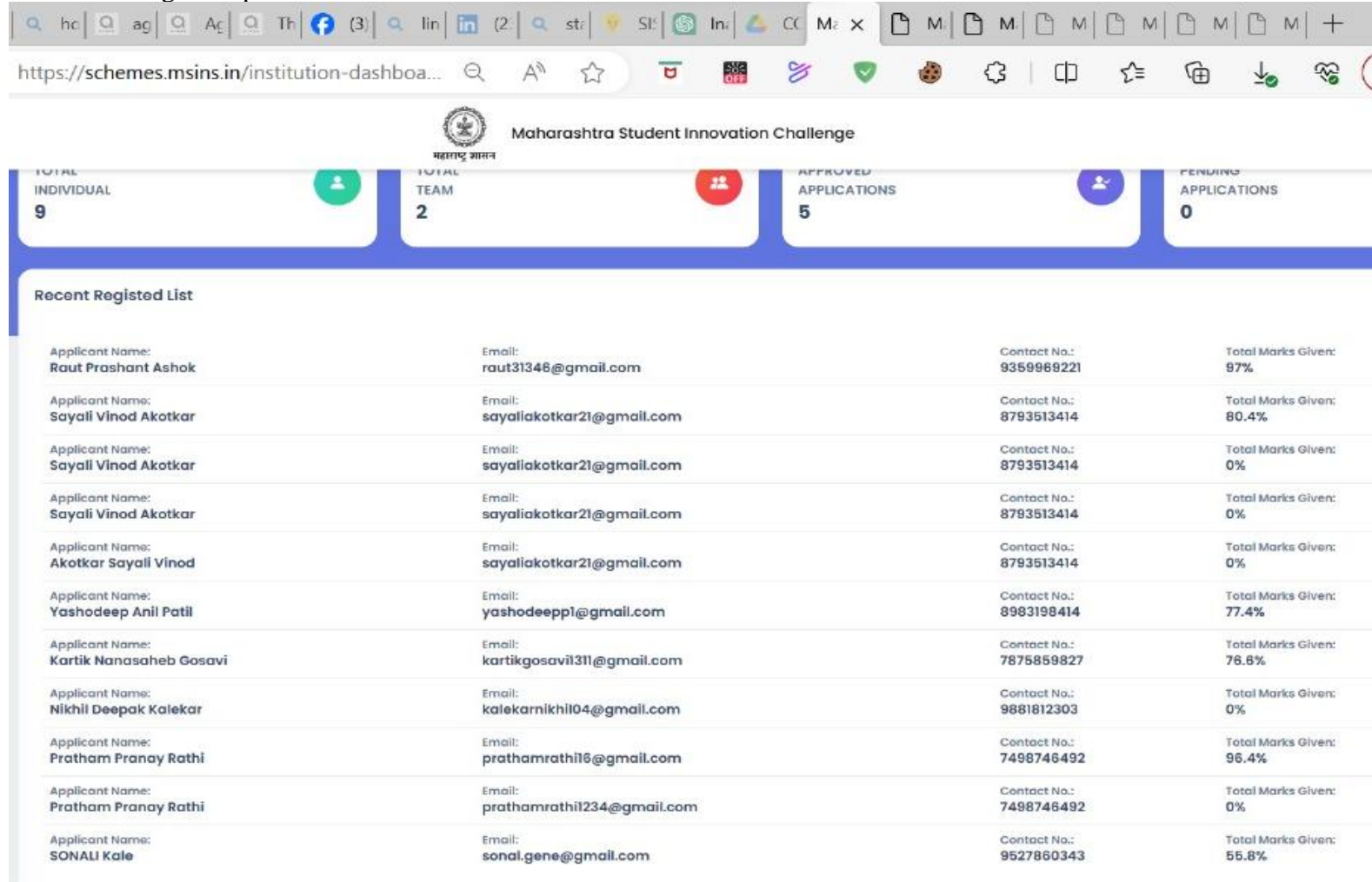


The AIC-ADT Baramati Foundation has played a crucial role in supporting the startup by providing help in conducting

- Demo of developed products on Cattles at Centre of Excellence on Dairy
- Analytical support for Product Quality testing
- Seed Funding Support of 20 Lakh INR through Startup India Seed Fund Scheme.

Maharashtra Student Innovation Challenge Competition 2023

Total 7 students of Dr.SharachandraPawar College of Agriculture, Baramati were participated and submitted innovation for Maharashtra Student Innovation Challenge competition.



The screenshot shows a web browser window with the URL <https://schemes.msins.in/institution-dashboa...>. The page title is "Maharashtra Student Innovation Challenge". The dashboard displays the following statistics:

- TOTAL INDIVIDUAL: 9
- TOTAL TEAM: 2
- APPROVED APPLICATIONS: 5
- PENDING APPLICATIONS: 0

Below the statistics is a section titled "Recent Registered List" containing a table of registered applicants.

Applicant Name:	Email:	Contact No.:	Total Marks Given:
Raut Prashant Ashok	raut31346@gmail.com	9359969221	97%
Sayali Vinod Akotkar	sayaliakotkar21@gmail.com	8793513414	80.4%
Sayali Vinod Akotkar	sayaliakotkar21@gmail.com	8793513414	0%
Sayali Vinod Akotkar	sayaliakotkar21@gmail.com	8793513414	0%
Akotkar Sayali Vinod	sayaliakotkar21@gmail.com	8793513414	0%
Yashodeep Anil Patil	yashodeepp1@gmail.com	8983198414	77.4%
Kartik Nanasahab Gosavi	kartikgosavi1311@gmail.com	7875859827	76.6%
Nikhil Deepak Kalekar	kalekarnikhil04@gmail.com	9881812303	0%
Pratham Pranay Rathi	prathamrathi15@gmail.com	7498746492	96.4%
Pratham Pranay Rathi	prathamrathi1234@gmail.com	7498746492	0%
SONALI Kale	sonal.gene@gmail.com	9527860343	55.8%

