



Preliminary draft of Compendium Cohort 9

Agri-Startups @MANAGE: Empowering Ideas, Creating Value

Rashtriya Krishi Vikas Yojana - Remunerative Approaches for
Agriculture and Allied Sector Rejuvenation (RKVY-RAFTAAR)



**Startup Agri-Business
Incubation Program (SAIP) &
Agripreneurship Orientation
Program (AOP)**
Cohort 9

Centre for Innovation and Agripreneurship (CIA)
(A Centre of Excellence in Agribusiness Incubation and Knowledge Partner of
RKVY-RAFTAAR)

National Institute of Agricultural Extension Management (MANAGE)
Hyderabad, India

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Dr. Saravanan Raj

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In India's fragmented and largely unorganized agriculture sector, innovation continues to be a transformative force. With rapid technological advancements and policy support, agri-tech startups are playing a pivotal role in reshaping rural economies and making farming more efficient, resilient, and sustainable.

The persistent gaps in market linkages, access to services, and robust networks remain significant challenges. However, incubators and accelerators have emerged as critical enablers, bridging these gaps by nurturing talent, providing structured funding, fostering digital adoption, and encouraging climate-smart practices. At MANAGE, we identify and nurture potentially disruptive ideas from aspiring agripreneurs and support them in building scalable, sustainable business models.

Our incubation programs provide access to co-working spaces, comprehensive business and technical mentoring, investor connections, and pilot testing facilities. We also emphasize digital empowerment, green technologies, and inclusive growth, ensuring that startups can thrive in today's dynamic agri-business landscape.

This Coffee Table Book is a tribute to the spirit of innovation and resilience demonstrated by these startups. It highlights selected success stories that showcase how young agri-entrepreneurs are making a measurable impact, reviving rural livelihoods, enhancing value chains, and contributing to a future-ready Indian agriculture.

(Dr. Saravanan Raj)

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<https://plantorbit.com/>



Nainital, Uttarakhand



Plant Orbit



Mr. Gagan Tripathi

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Vision

Vision is to solve urban succulent scarcity by offering diverse variants via digital platform (website & app). Provide expert guidance, SOPs, and farmer training for sustainable cultivation

Established

Established a digital online platform offering a wide variety of succulents and expert horticulturist guidance.

Benefit

Plant lovers, garden lovers, malis, nursery owners, and gardening influencers.



Plant Orbit

TECHNOLOGY/INNOVATION

Developed a trademark for "plant orbit" and SOPs for succulents with trained horticulturist and agronomists. The platform's success, evident from its large social media following and customer base, reflects its usefulness for plant enthusiasts and industry professionals.



<http://kamadheiagrofarm.com>



Odisha



Kamadhei Agro Farm LLP



Ms. Mamatha Kumari Choudhary

kamadheiagrofarm@outlook.com

Vision

Vision is to promote organic techniques, innovation, and community development. Changing farming perception through quality, sustainability, and environmental stewardship, one farm at a time.

Established

Established a comprehensive solution provider in agriculture, offering services such as agro- expertise, guidance, modern agricultural practices, buy-back services, and value-added product creation.

Benefit

Target customers include farmland owners, farmers, FPOs/SHGs, food processing businesses, research institutes, and universities in Odisha.

TECHNOLOGY/INNOVATION



Kamadhei Agro Farm LLP

Developed an agri-services ecosystem empowering farmers, enhancing efficiency, and promoting sustainability. Collaborated with GIFT, Srujan Agro, Palvi Industries, and Green World Agro. Achievements include incubation at IIMB Women Startup Program and ongoing expansion of operations and services to amplify reach and impact in agriculture sector.

Revenue : 15 Lakh



Farm Root Agritech Pvt. Ltd.



Mr Dinesha B S

dinesha@farmrootagritech.com

Vision

Vision is to address the significant agricultural challenge posed by the Red Palm Weevil (RPW) infestations in coconut, areca, and palm trees. Provide effective solutions to farmers, reduce economic losses, and contribute to sustainable agriculture.

Established

Established collaborations and tie-ups with research institutions such as JNCASR-NBAIR and incubated at C-camp, Coconut Board.

Benefit

Farmers, growers, and research institutions collaborate, developing patented slow-releasing dispensers, validated through trials with Horticulture University.



 Farm Root Agritech Pvt. Ltd.

TECHNOLOGY/INNOVATION

Developed innovative solutions for controlling RPW infestations, including the use of Entomopathogenic Nematodes (EPN) to target larvae and pupae, as well as slow-release dispensers for pheromone traps to attract and trap adult weevils

Revenue : 63 Lakh

BROTOS
SoFood Pvt. Ltd.



Mr. Sumit Tated
sumit.tated@gmail.com

Vision

Vision is to address the significant agricultural challenge posed by the Red Palm Weevil (RPW) infestations in coconut, areca, and palm trees. Provide effective solutions to farmers, reduce economic losses, and contribute to sustainable agriculture.

Established

Established food company provides nutritious options for diverse consumers, including professionals, students, travelers, and more. Range includes energy bars, veggie chips, drink premixes, and breakfast options, prioritizing taste and convenience.

Benefit

Supporting local farmers, employing local talent, and serving a growing customer base



TECHNOLOGY/INNOVATION

 SoFood Pvt. Ltd.

Developed the health and wellness sector with their range of affordable, ready-to-cook healthy foods. Leveraging innovative solar drying technology, they offer nutritious sprouted foods and snacks tailored to meet the essential nutrient requirements of the body.

Revenue : 28 Lakh



Camron Feeds Pvt. Ltd.



Mr. Shiva Chaudhari
camronfeeds@gmail.com

Vision

Vision to address issues in animal husbandry, particularly focusing on making dairy farming profitable. Their aim is to target

Established

Established to meet demand for dairy animal feed supplements, targeting a market of 63M animals worth Rs 6000 crores. Offer competitive pricing, doorstep delivery, herbal inputs, and value-added services.

Benefit

Dairy farmers, farmers cooperatives, farmers producer organizations (FPOs), and feed traders.



TECHNOLOGY/INNOVATION

 Camron Feeds Pvt. Ltd.

Developed innovative feed products specifically targeting the reproduction deficiency in dairy animals, aiming to improve feed intake, digestibility, and enhance microbial activities to keep the reproductive cycle regular.

Developed problem-specific micro-minerals, differentiating their products from others in the market.

Revenue: 76 Crore

Bhoumik Agrotech Pvt. Ltd.



Mr. Satyam Jevariya
organicetrade@gmail.com

Vision

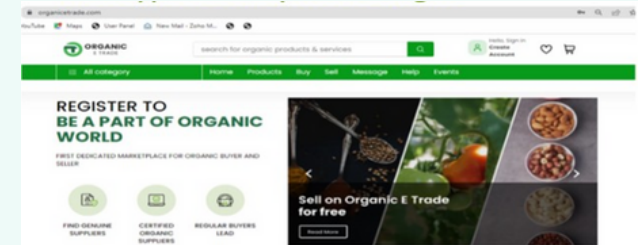
Vision is to bring the organic industry together at one platform, providing a reliable source for customers to buy authentic certified organic products and solving the pricing issue for Indian organic farmers.

Established

Developed an online marketplace named Organic E Trade.

Benefit

Organic farmers, buyers, sellers, exporters, importers, manufacturing processing units, shops, traders, service providers, and consumers.



TECHNOLOGY/INNOVATION

Developed a full working website where buyers and suppliers can register and list their products, reached more than 300 users, and implemented features like certification verification and auditing for suppliers.



PureMe Organics Pvt. Ltd.



Dr. Sharmilee Pratap Mane

sharmileemane88@gmail.com

Vision

Vision to offer healthier sugar alternatives, supporting local farmers and sustainable agriculture. Focuses on innovative jaggery-based food products for improved public health outcomes.

Established

Established value-added jaggery products to the market. Healthier sugar alternatives, the lack of easily consumable jaggery products, and the desire for marketing options for farmers.

Benefit

Local farmers, thereby supporting agricultural communities and promoting economic sustainability. Organics provides consumers with healthier options



PureMe Organics Pvt. Ltd.

TECHNOLOGY/INNOVATION

Developed a range of innovative jaggery-based food products, including jaggery-coated spiced nuts, jaggery-based mixed nut butter, low- calorie jaggery powder/drops, spiced jaggery cubes/powder, flavored value-added jaggery drops and cubes, jaggery syrup, flavored sugarcane sticks, sugarcane stirrers/twizzlers, and no-caffeine/no-sugar jaggery tea/coffee sachets

Revenue : 7 Lakh



Mr. Saurabh Bhosale
bhosalesaurabh311@gmail.com

Stark Tech Agritech Startup

Vision

Vision is to be the leading and innovative poultry farming equipment manufacturer, focusing on empowering the poultry industry through technology globally

Established

Established itself as a prominent player in the agritech sector, specializing in manufacturing innovative and high-tech poultry farming equipment. They have expertise in various domains including IoT, automation, AI, machine learning, robotics, and blockchain.

Benefit

Poultry farmers, waste management, manure management, floor management, ventilation, and power generation in poultry farming operations.



TECHNOLOGY/INNOVATION

 Stark Tech Agritech Startup

Developed several advanced poultry farming equipment, including the Walk Behind Advanced Poultry Manure/Waste Collection and Bagging Machine. Machine streamlines waste collection processes, reduces labor dependency, and ensures quick and efficient sanitization of farms between batches. , Developed a Push-Type Advanced Poultry Manure/Waste Collection and Bagging Machine and a Poultry Raking Machine for larger poultry farm areas.



<https://www.krishitek.com/>



Gujarat



Krishitek Industries Pvt Ltd



Mrs. Archana Patel
archanapatel@krishitek.com

Vision

Vision is to revolutionize the agricultural industry by providing innovative solutions to farmers. Specializes in the design, development, and commercialization of tractor-mounted hydraulic reapers

Established

Established to address the limitations of conventional reapers. Complicated tractor installation processes, heavy weight, high levels of vibration, and maintenance requirements, as well as suitability for only a limited variety of crops.

Benefit

Small and marginal farmers, farmer producer organizations (FPOs), and self-help groups (SHGs). By providing innovative agricultural machinery solutions, Empower farmers and contribute to the development of the agricultural sector.



Krishitek Industries Pvt Ltd

TECHNOLOGY/INNOVATION

Developed the process of design, development, and commercialization of its PTO Operated Multi-crop reaper, with plans for further technological innovation and the commercialization of hydraulic reapers in the future. The company has undergone idea validation, received commercial test reports, and is in the phase of product validation from relevant authorities like the RAU (Rajasthan Agricultural University).



Solai Farm Solutions



Mr. Nitheesh

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Vision

Vision is to be focused on addressing challenges in agriculture, particularly related to seeding, with innovative solutions tailored for Indian farmers, especially those in command areas.

Established

Established and addressing challenges related to laborious transplanting, unsuitability for command areas, labor shortages during peak stages, and other issues associated with traditional drum seeding methods.

Benefit

Paddy drum seeder, targeting Indian farmers in command areas, addressing labor shortages and excessive seed rates, improving seeding efficiency



 Solai Farm Solutions

TECHNOLOGY/INNOVATION

Developed a modified paddy drum seeder with precise seed drop, which reduces seed rates and increases cost-effectiveness for seeding various paddy varieties. They have also engaged in prototype development using 3D printing technology, although it's noted to be costly and time-consuming.

Agro Rain Shelter Inventions



Mr. Anil Uttam Suryawanshi
agroshelterinvention@gmail.com

Vision

Vision is to revolutionize agricultural practices by providing farmers with an efficient and cost-effective solution to mitigate crop losses due to unpredictable weather and external factors.

Established

Established an innovative solution for protecting crops from adverse weather conditions such as unseasonable rain, excess rain, intensive heat, low temperature, bird, and animal interference.

Benefit

Individual farmers, farmer groups, and agricultural universities facing crop loss due to adverse weather and external factors.



TECHNOLOGY/INNOVATION

 Agro Rain Shelter Inventions

Automatic shelter system protects crops, quick installation (4-5 days/acre), durable (5-10 years), and affordable (₹10-15 lakhs/acre)



Gavyuti Agro Pvt. Ltd.



Mr. Rajan Mishra
rajanmishras4s@gmail.com

Vision

Vision is to transform the animal feed industry by repurposing agricultural residue into premium feed pellets, reducing waste, pollution, and shortages while empowering farmers with additional income.

Established

Our innovative approach provides nutritious feed solutions for farmers while promoting sustainable development through reduced carbon emissions, rural employment generation, and economic profitability

Benefit

Feed pellets benefit farmers with convenience, sustainability, and improved animal health. Consumers enjoy safer, higher-quality animal products, assured of food safety and nutritional value.



TECHNOLOGY/INNOVATION

 Gavyuti Agro Pvt. Ltd.

Developed a complete feed pellet production process using non-fodder agriculture residue, particularly cotton stalks, to address the challenges of crop residue burning and animal feed shortages. By repurposing agricultural byproducts, contributes to environmental sustainability while supporting the livelihoods of farmers and promoting the well-being of livestock.

Sandip Pyaz



Mr. Sandip Vishram Ghole
sandippyaj@gmail.com

Vision

Vision is to transform farming with technology, notably developing the "Sandip Pyaz" onion variety awarded by India's President. Managing 4.8 hectares, he innovates onion and sugarcane cultivation, emphasizing water management and advanced technology.

Established

Established of an organic fertilizer, enriched with 18 ayurvedic ingredients and infused with Trichoderma bacteria. This fertilizer is reported to significantly promote plant growth and development.

Benefit

Individual farmers, farmer producer organizations (FPOs), farmers' groups, state agricultural universities, and agricultural extension centers.



TECHNOLOGY/INNOVATION

Developed a complete feed pellet production process using non-fodder agriculture residue, particularly cotton stalks, to address the challenges of crop residue burning and animal feed shortages. By repurposing agricultural byproducts, contributes to environmental sustainability while supporting the livelihoods of farmers and promoting the well-being of livestock.

Venki Biodegrades Pvt. Ltd.



Mr. S Venketaswaran
venkibiodegrades@gmail.com

Vision

Vision is to pioneer sustainable solutions for a greener world by offering innovative alternatives to single-use plastics, thereby reducing environmental impact and promoting agricultural sustainability.

Established

Established a sustainable alternative to single-use plastics, addressing environmental concerns while providing additional revenue streams for farmers through the utilization of agrowaste and residues.

Benefit

Various stakeholders, including regulators, primary producers, machinery providers, and industry partners, to support its business model.

TECHNOLOGY/INNOVATION

 Venki Biodegrades Pvt. Ltd.

Developed biodegradable plates, cups, containers, spoons, and forks using innovative technology transferred from CSIR-NIIST. Products have been tested and approved by government authorities for commercial production. Developed a prototype and received patents for its biodegradable tableware products under the brand name Tanduola.

Spandan Innovators



Mr. Omkar K Kelkarp
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Vision

Vision to design and develop R&D-based projects in the fields of power electronics, solar technology, and automation. Focus on agricultural automation products to address the challenges faced by Indian farmers.

Established

Established agricultural automation products, including a battery-operated vehicle for spraying fertilizers, reducing labor dependency, and customizing farm operations.

Benefit

Labor dependency, save fuel costs, minimize wastage of pesticides during spraying, and provide customization options for different farms. It is designed to cater to the needs of farmers, especially in Pune, Maharashtra, and potentially globally.



TECHNOLOGY/INNOVATION

Developed a battery-operated agricultural vehicle, enabling remote operation via app, automating spraying tasks, reducing labor Dependency for various farm needs.



Silkberry Chawki Rearing Centre



Mr. Vijay Sunil Gargaote
silkberrychawkirearingcentre@gmail.com

Vision

Vision is to tackle challenges for Pune's farmers, offering solutions in egg quality, transportation, disease prevention, and guidance. Vision includes rapid industry growth with disease-free chawki and farmer support.

Established

Established which serves as a facility for rearing disease-free silkworms (chawki). Plans for developing software for better management of farmer batches and incubation chambers to improve egg quality and hatch rates.

Benefit

Sericulture farmers obtaining quality silkworm eggs, transportation, and guidance. The center offers disease-free chawki, incubation facilities, and comprehensive support from the initial stage until the sale of cocoons.



 Silkberry Chawki Rearing Centre

TECHNOLOGY/INNOVATION

Developed rearing Centre offers disease-free chawki, batch management software, incubation chambers, Sericulture Doctor guidance, and supplies for sericulture. Plans include thread production for increased profits and employment.



Cacador Foods Pvt. Ltd.



Mr. Kiran Patil
info@cacadorfoods.com

Vision

Vision to be a leading brand in the processed baingan (brinjal/eggplant) products market, offering authentic, ready-to-eat options to urban consumers while also benefiting baingan farmers by providing them with better income opportunities.

Established

Established trademark, launched product in HoReCa, trialed retail marketing, collaborated with stakeholders, developed production line, secured funding, created value-added products, implemented business model, set pricing strategy, targeted urban consumers.

Benefit

Urban consumers seeking convenient, authentic baingan products; baingan farmers in Jalgaon for income boost; retailers for unique offerings; investors in innovative food ventures.



 Cacador Foods Pvt. Ltd.

TECHNOLOGY/INNOVATION

Developed trademarked brand, value-added products, collaborations, licensed production line, innovative business model, pricing strategies, and market penetration roadmap for "The Baingan Republic" startup.



Ms. Potturi Deepti
nrich.vsp@gmail.com

Vision

Vision is to spread millet awareness, creating nutritious products, and simplifying cooking. Target: one million homes by 2026. Expos, conclaves, partnerships with companies, cloud kitchens, and FPOs for white labeling.

Established

Millet-based products offer nutritious options for breakfast, lunch, and dinner, utilizing multi-millet atta, snacks, noodles, upma, and dosa mix.

Benefit

Farmers' products reach consumers through retailers, expos, white labeling partnerships, and cloud kitchens, catering to busy professionals, families, and individuals seeking healthy, instant recipes.



TECHNOLOGY/INNOVATION

Developed a diverse product range, including ready-to-cook and ready-to-eat products made from millets, such as noodles, vermicelli, pasta, upma mix, kichidi mix, dosa mix, idly rava, and upma rava. Innovated with multi-millet atta and snacks, focusing on health, taste, and convenience in cooking.



Anand Enterprise



Mr. Ajay Vikram Nimbalkar
dnimbalkar7@gmail.com

Vision

Vision is to revolutionize agricultural seeding practices in India by providing efficient, precise, and adaptable planting solutions for diverse crop types, benefiting both small and large- scale farmers while contributing to sustainable agriculture practices.

Established

Established an Advanced Multicrop Planter, validated by agricultural institutions. Strategic collaborations, patents in progress, and successful field trials demonstrate its pioneering impact.

Benefit

Small, medium, and large farmers, Farmer Producer Organizations (FPOs), corporate farmers, greenhouses, and horticultural setups, revolutionizing agricultural seeding practices in India.

TECHNOLOGY/INNOVATION

 Anand Enterprise

Developed a featuring automatic functionality, precise seeding mechanisms, and GPS positioning, revolutionizing agricultural seeding practices in India.



Caranrose Biosol Pvt. Ltd.



Mr. Madhusudhan MS
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Vision

The field of horticulture space, especially in the floriculture and sericulture sector, we invent cutting-edge technology for the horticulture and sericulture industries to put us on a path toward a more sustainable future.

Solution

Artificial silkworm feed enables 12-14 annual crops, enhancing operational ease and silk quality to compete with Chinese silk, revitalizing the sericulture sector.

Benefit

Caranrose revolutionizes sericulture with artificial silkworm feed, boosting operational ease, quality silk production, and farmer sustainability, bridging the gap with international standards.

TECHNOLOGY/INNOVATION

Artificial silkworm feed, transforming sericulture. This breakthrough improves operational efficiency, boosts silk quality to compete globally, and fosters sustainability, revitalizing the sector.



Mr. Harshal Patil
harshalpatilr689@gmail.com

PROLONG

Vision

Prolong, based in Maharashtra, innovates edible fruit coating to extend shelf life, combatting wastage. Leads with expertise in design and development.

Solution

An edible food coating extends fruit shelf life by inhibiting fungal and bacterial growth, delaying loss of firmness, and reducing waste.

Benefit

Fruit coating extends shelf life, inhibits microbial growth, delays firmness loss, and maintains fruit quality, offering an edible, inconspicuous solution to reduce wastage and enhance market competitiveness.

TECHNOLOGY/INNOVATION



Innovation is an edible, indistinguishable fruit coating. It extends shelf life by reducing moisture transmission and imparting antibacterial, antiviral, and antifungal properties, maintaining firmness and freshness.



<https://sensesemi.in>



Andhra Pradesh



Sense Semiconductor and IT Solutions Pvt. Ltd.



Mr. Reddy Sudheer
sudheerr3503@gmail.com

Vision

Crop Customized Smart Irrigation using IoT.

Solution

A crop-customized device uses water level, soil moisture sensors, and weather forecasts to provide automated irrigation tailored to specific crops and weather conditions, reducing water wastage.

Benefit

Automated, crop-tailored irrigation system reduces water wastage, increases crop yield, offers remote monitoring, weather alerts, and provides seed recommendations based on soil and weather conditions.



Sense Semiconductor and IT
Solutions Pvt. Ltd.

TECHNOLOGY/INNOVATION

Sense Semiconductor innovates Crop Customized Smart Irrigation using IoT, optimizing water usage with sensor-based automation, weather forecasts, and personalized farming advice, enhancing agricultural efficiency and productivity.



Ms. Palak Thakral
palakthakral@gatisheel.com

Vision

Branding platform facilitating traceability, quality control, and marketing collaborations. With mobile apps, QR codes, and data security, it empowers farmers to establish their brands effectively.

Solution

A platform empowers farmers to create their own brands, offering traceability, quality control, and marketing collaborations, thereby increasing market visibility and profitability for their produce.

Benefit

Marketplace /Mobile apps , Farmer Produce , Branding , Platform ,Traceability via , QR code , Quality Assurance.



TECHNOLOGY/INNOVATION

Comprehensive farmer produce branding platform integrating traceability, quality assurance, and marketing collaborations, empowering farmers to establish their individual brands and enhance market competitiveness.



Mr. Shruti Mehata
shrutimehata.oi@gmail.com

Bharatgodam Solutions LLP

Vision

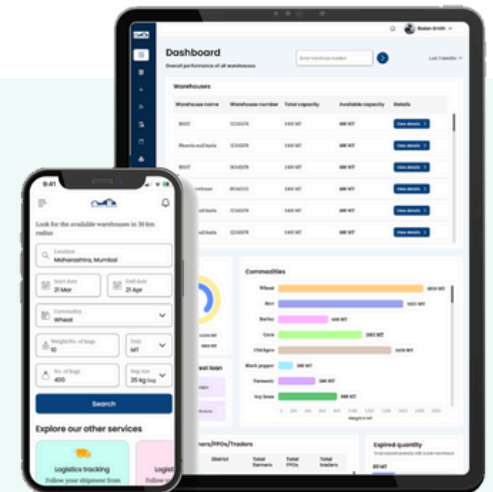
Warehouse monitoring tools for agri-warehouses. Innovations optimize transparency, efficiency, and convenience in warehouse management.

Solution

A software solution utilizes data entry, goods tagging, and machine learning to track and monitor goods in real-time, optimizing warehouse operations and minimizing losses during transportation and storage.

Benefit

Reduced Post-Harvest Losses, Ease of getting post-harvest loans, Value Addition, Data-Driven Decisions, Mitigation of Wastage, Government Initiatives, Traceability and Food Safety



TECHNOLOGY/INNOVATION

Virtual monitoring, damage alerts, pledgee bank access, and advanced booking systems. Features optimize transparency, efficiency, and convenience in warehouse management, revolutionizing traditional practices.



Dr. Aggala NagaJyothi
aggala.jyothi@gmail.com

Vignan's Institution of Information and Technology

Vision

Automated Sowing Seed System

Solution

An IoT-based system automates tasks like seed sowing, soil analysis, and weed detection, reducing manual labor and increasing farm efficiency through robotics, sensors, and connectivity.

Benefit

Automation boosts crop management efficiency by reducing labor and time. IoT sensors and analytics save costs, while precise seeding and weed control enhance yields. Real-time data enables informed, agile decisions, reducing environmental impact.



Vignan's Institution of
Information and Technology

TECHNOLOGY/INNOVATION

Integrating robotics, sensors, and IoT connectivity revolutionizes agriculture, enabling precise and efficient operations. Real-time monitoring of soil conditions, crop growth, and environmental factors empowers data-driven decision-making, optimizing resource usage and maximizing productivity on the farm.



Prishigo Foods & Beverages Pvt. Ltd.



Mrs. Shinduja Vetrivelan
shijaprisha@gmail.com

Vision

Edible cutlery, tackling banana bio-waste underutilization. It offers sustainable, affordable, and nutritious solutions for eco-friendly dining experiences.

Established

BananaBite's edible cutlery, made from banana floral stem fiber and millets, offers 35% enhanced structural stability, reduced production costs, and is compostable, nutritious, and easily digestible, increasing banana tree income by 25%.

Benefit

Automation boosts crop management efficiency by reducing labor and time. IoT sensors and analytics save costs, while precise seeding and weed control enhance yields. Real-time data enables informed, agile decisions, reducing environmental impact.



Prishigo Foods &
Beverages Pvt. Ltd.

TECHNOLOGY/INNOVATION

Eco-friendly cutlery with superior strength. Versatile for diverse establishments. Competitive edge confirmed by strength tests. The collaborative effort with farmers and accolades as Aggnite 3.0 Winner validate success.



Mr. Yogesh V. Patil
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Design and development of Dragon Fruit Pulp Extraction Machine

Vision

Automated pulping machine, aiming to enhance farmer income and streamline processing.

Established

An innovative automated pulping machine is being developed to overcome seasonal limitations and manual peeling challenges, enabling offseason availability and enhancing farmer income.

Benefit

Streamlined pulping process boosts efficiency, cuts labor costs. Ensures consistent, high-quality dragon fruit pulp. Offseason availability doubles farmer income, improves yields. Bridges industry gap, aids small- scale farmers. Patent potential attracts partnerships for adoption.



TECHNOLOGY/INNOVATION

Traditional dragon fruit peeling methods demand skilled labor, leading to incomplete peeling and spoilage. The new machine resolves these issues, enhancing processing, reducing waste, and ensuring cost-effective operations.

Vision

Streamlined fresh produce supply chain, connecting farmers directly with B2B and B2C consumers.

Solution

A platform connects farmers directly to consumers, eliminating middlemen and offering convenient order management via WhatsApp and Mobile App, demand-driven sourcing, and AI/ML optimization, benefiting both farmers and consumers.

Benefit

Streamlined supply chain reduces costs for farmers and consumers. Convenient ordering via WhatsApp & Mobile App. Demand-driven sourcing, freeing farmers from Mandi visits. AI/ML optimize demand, prices, routes, and customer experiences.

TECHNOLOGY/INNOVATION

The supply chain by integrating convenient order management via WhatsApp & Mobile App, demand-driven sourcing, and AI/ML algorithms for optimization across various operational aspects.

Aarchy Nutriment & Beverages Pvt. Ltd.

Mr. Archana Nagar
raasarinfo@gmail.com

Vision

Streamlined fresh produce supply chain, connecting farmers directly with B2B and B2C consumers.

Solution

Promoting the flower's health benefits, unique flavor, and stress-relieving properties through endorsements, online presence, consumer education, and eco-friendly packaging to increase awareness and appeal.

Benefit

Nutrient-rich flower highlights health benefits, unique flavor appeals to adventurous tastes. Functional beverage offers relaxation. Sustainability and recognition build consumer trust. Online presence boosts e-commerce. Education and packaging innovation enhance appeal.



TECHNOLOGY/INNOVATION

A unique flower-based beverage, leveraging its nutrient-rich profile and distinct flavor for a refreshing and functional drink option, supported by sustainable practices and innovative packaging designs.



TECH ME GO LLP



Mr. Shabrozah Akhter
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Vision

Unique design saves fruit boxes and allows convenient tree shaping.

Solution

Innovative tree branch clippers connect and balance multiple branches, reducing damage from heavy loads by 20-60%, saving fruit yield, and promoting tree health.

Benefit

Reduces tree branch damage by 20-60%. Saves 4-5 fruit boxes per tree, 2-3 per branch. Allows convenient tree shaping. Tested and validated solution.



TECHNOLOGY/INNOVATION

Innovates tree branch clippers with a unique grip design, balancing multiple branches while shaping trees securely, optimizing fruit production, and minimizing damage.



Biobreath Health Solutions Pvt. Ltd.



Dr. S. Meenatchi Sundaram
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Vision

Translate cutting-edge multidisciplinary research into impactful healthcare and agri solutions.

Established

KUDIR for processed and unprocessed agricultural produce storage

Benefit

Outdoor storage, real-time monitoring, fumigation facilities, environmentally safe, and durability



TECHNOLOGY/INNOVATION

Jumbo, air-tight, hermetically sealed, flexible storage bags (KUDIR) for processed and unprocessed agricultural produce storage with moisture, oxygen, temperature and air quality sensors to monitor the status of the crops.

Oasis – The Plant Library



Mr. Madhuri Pratik Kalambate
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Vision

A unique plant library service, addressing the challenge of maintaining plants due to lack of knowledge and time. It provides customized setups, expert advice, and innovative plant-interaction technology.

Solution

A plant library offers customized plant setups on a rental basis, providing expert advice and maintenance services, making plant cultivation hassle-free and accessible to individuals with limited time and expertise.

Benefit

Aspiring customers to have a fresh garden set up every month. Personalized Branding of businesses, Customer engagement, Involving technology to make plants interactive.



TECHNOLOGY/INNOVATION

Innovative approach integrates technology with plant processes. Barcodes for plant tracking, QR codes on pots, and interactive plant QR codes enhance customer experience and serve as marketing tools.



Farm Lords



Mr. Ashwin C
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Vision

Developing a design of a machine for the separation and segregation of turmeric.

Solution

Efficient, customizable turmeric processing machine saves labor, enhances yield, and ensures quality. Convenient, scalable, and cost-effective solution supporting sustainable farming practices. Provides market advantage in Tamil Nadu's prominent turmeric market.

Benefit

Innovative approach integrates technology with plant processes. Barcodes for plant tracking, QR codes on pots, and interactive plant QR codes enhance customer experience and serve as marketing tools.

TECHNOLOGY/INNOVATION



Innovative approach integrates technology with plant processes. Barcodes for plant tracking, QR codes on pots, and interactive plant QR codes enhance customer experience and serve as marketing tools.



Herbeeday Beverages Pvt Ltd



Ms. Divya B

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Vision

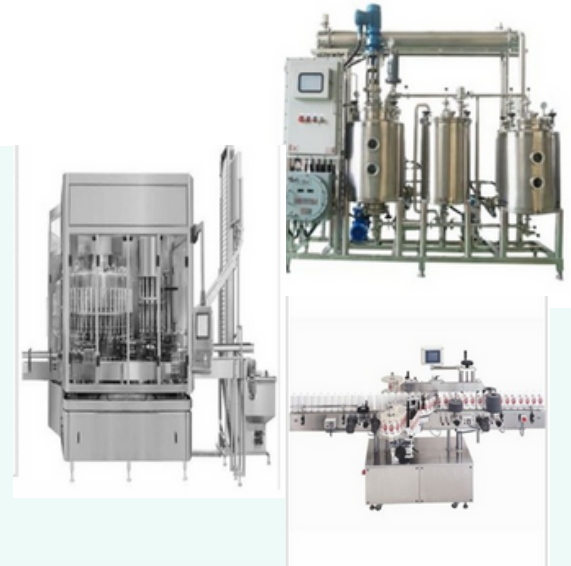
To revolutionize the beverage industry with nature's gift, harnessing the nutritional benefits of betel leaves and Indian herbs to create healthy, sustainable, and delicious drinks that promote well-being and empower farmers, while setting a new standard for innovation and quality in the market.

Solution

A natural, zero-calorie soft drink made with betel leaves and Indian herbs, utilizing nutraceuticals to cater to the growing demand for healthy beverages, especially for diabetics.

Benefit

All-natural, zero-calorie soft drink with high Vitamin A. No artificial additives, suitable for health-conscious and diabetic individuals. Traditional taste, aids digestion. Strategically launched in educational, health, and recreational hubs.



TECHNOLOGY/INNOVATION

Natural ingredients with zero-calorie sweeteners. High in Vitamin A. No artificial colors or flavors. Ideal for diabetics, obese, and health-conscious consumers. Revives cultural heritage with unique taste and digestive benefits.

Raithu Nestham



Mr. Kurva Prashanth
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Vision

To optimize Azolla cultivation for sustainable livestock feed production, leveraging innovative technology to enhance crop yields, reduce costs, and meet the growing demand for nutritious animal feed, ultimately improving food security and farmer livelihoods.

Solution

Data Logger with Android app and sensors monitors Azolla growth conditions (temperature, pH, water level, sunlight).

Benefit

Azolla plants provide natural pest and weed protection, enrich soil fertility, and offer a sustainable, eco-friendly alternative to chemical pesticides. Cost-effective and environmentally friendly, they promote healthy crop growth and soil health.



TECHNOLOGY/INNOVATION

Raithu Nestham

Data Logger with Android app and sensors monitors Azolla growth conditions (temperature, pH, water level, sunlight).



<https://smartu.one/>



Maharashtra



SmartU Krishi Khata



Mr. Sachin Farfad Patil
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Vision

Empowering small & medium size farmers to become Micro-Entrepreneurs.

Solution

Digital farm financial management tool for small & medium size farmers. SmartU Krishi Khata leverages WhatsApp to serve as a Tally ERP for farmers, enhancing yield, quality, and profitability through expense tracking and crop advisory.

Benefit

Track & Communicate with farmers, Production capacity dashboard, etc, 24/7 Digital Diary, Track Income & Expenditure.



SmartU Krishi Khata

TECHNOLOGY/INNOVATION

Krishi Diary, Krishify, Farm ERP, Agro Star, Cropin - Simplified & Personalized WhatsApp bot. No external app installation, low-data usage, easy in native languages. Moderated AI & ML, NLP.



Mr. Pavan Havale
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Vision

Unlocking the Power of Big Data to Unlock the Power of Agriculture.

Solution

Un-Planed Farming -15 Cr+ Framers, Surplus Production, Communication Gap. Management Tool, Crops Compare 7000+ Crops, Alert system, Crop Calculator, Real Time Sowing Monitoring, Supply Chain.

Benefit

Crop comparison, Alert systems, real-time monitoring, and supply chain management. Benefiting various stakeholders in the agricultural sector.



TECHNOLOGY/INNOVATION

Involves the development of a comprehensive management tool for agriculture, addressing issues like unplanned farming, surplus production, and communication gaps.



Automated Vegetable Transplanter



Mr. Vaibhav Jadhav
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Vision

Revolutionize crop productivity with cutting-edge automation.

Solution

Fully automatic farming technology for chilli, tomato, and brinjal, featuring atomizing systems to eliminate labor and boost efficiency.

Benefit

Full automation for labor-free operations, unique fully automatic technology in India, productivity improvement for key crops, patented design for IP protection, validated feasibility with a working prototype, and government institution recognition.



TECHNOLOGY/INNOVATION

Zero human interaction with full or semi-automation, patented design, validation through a working prototype, and ongoing patent processing status, ensuring technological advancement and intellectual property protection.



ANVI farm inputs



Ms. Shravani babasaheb shinde
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Vision

Farm Inputs leads innovation eco-friendly farming practices through nutrient-rich solutions.

Solution

Biodegradable seedling trays with inbuilt nutrition, promoting healthy growth, reducing seedling failure, and minimizing polyethylene pollution and soil impact.

Benefit

Utilize sugarcane bagasse sustainably, enhancing seedling growth with nutrient-rich pulp. Biodegradable pro trays promote eco-farming. Targeting nurseries, farmers, online platforms with competitive Rs.10 pricing, adaptable to diverse needs.

TECHNOLOGY/INNOVATION

Innovated biodegradable trays infused with nutrients, addressing polyethylene pollution, reducing seedling failure, promoting eco-friendly farming practices, and utilizing sugarcane bagasse sustainably.

Sonic Shields



Mr. Shourya Salvi
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Vision

A Non-Invasive Pest Management System using Ultra- Sonics and IoT.

Solution

Ultrasonic, IoT-based system using high-frequency transducers to deter pests, reducing chemical pesticide use and promoting eco-friendly farming practices.

Benefit

Non-toxic, targeted, and inaudible ultrasonic pest repeller. Provides effective coverage, sustainable pest control, and user- friendly integration. Harmless to humans, environment, and beneficial organisms. Ideal for eco-conscious farming.



TECHNOLOGY/INNOVATION

Chemical-free with targeted effectiveness. Sustainability-focused, aligning with eco-conscious farming. User-centric design ensures ease of use and integration into existing practices.



Mr. Shaista Khan
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Herbodyne- Natural herbal Toothpaste

Vision

Feel the purity of nature. Improve overall oral health by using complete organic toothpaste.

Solution

Kashmir Himalayan herbs-based, chemical-free toothpaste with anti-microbial and anti-inflammatory properties, promoting oral health while empowering local tribal communities and farmers.

Benefit

Chemical free, Whitening of tooth, Reduces plaque, Prevents cavity building, Reduce sensitivity & gingivitis, Prevents tooth decay.



TECHNOLOGY/INNOVATION

Chemical-free, it offers anti-microbial and anti-inflammatory properties, whitening, and overall oral health benefits. Empowers local tribal people and farmers.

VFSTR Agri mechanization



Dr. Maddali Anusha
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Vision

An automatic coconut cutter with built-in chilling unit ensures safe, efficient, and mess-free coconut cutting and serving at an ideal temperature.

Solution

Safety hazards, Difficult technique ,Time-consuming, Messy process in cutting coconuts. Automatic coconut cutter with built-in chilling unit.

Benefit

Safety, Ease, time-saving Cleanliness Improved taste, Hydration and preference.



TECHNOLOGY/INNOVATION

Integrating automation, cutting-edge technology, and a chilling unit enhances coconut cutting. This unique blend of innovation, precision, chilling, and user-friendliness redefines the coconut-cutting experience, ensuring seamless operations.



PS Farm Mech

Mr. Prathamesh Balaso Ningnure
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Vision

Efficient, affordable, and adaptable farming solutions for all crops.

Solution

Affordable, AI-powered tractor-operated sprayer with customizable moving nozzle for various crops, covering more area with precision, reducing initial investment and increasing farming efficiency.

Benefit

Efficient and cost-effective farming for all farmer classes. Boosts productivity, saves labor costs. Collaborates with FPOs and hiring centers. Direct marketing ensures accessibility to farmers.

TECHNOLOGY/INNOVATION

The machine integrates an AI-based sprayer customizable for various crops, optimizing the application of plant protection chemicals and water-soluble fertilizers economically and effectively, catering to field crops, orchards, and vegetable crops.

Physis Living(P) Ltd.



Mr. Akshat Chandra
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Vision

Physis: Nurturing Nature, Restoring Balance.

Solution

Physis offers eco-friendly tableware products made from agricultural waste, providing a sustainable solution to pollution and waste management while promoting a healthier environment.

Benefit

Utilizes agricultural waste and bio- polymers, reducing plastic and single-use waste. Avoids harmful chemicals, promoting environmental and human health. Developed a natural alternative to plastic tableware, with promising lab results and collaborations for prototype development.



TECHNOLOGY/INNOVATION

Utilizing agricultural waste and bio-polymers to create eco-friendly tableware, addressing plastic pollution and promoting sustainability. Engaging women and farmers for social impact.



RKVY-RAFTAAR

Rashtriya Krishi Vikas Yojana – Remunerative Approaches for Agriculture and Allied Sector Rejuvenation (RKVY – RAFTAAR) was launched in 2017-18 by the Ministry of Agriculture and Farmers' Welfare (MoA & FW), Government of India, to give impetus to agriculture and allied sectors through promotion of innovation and agripreneurship by facilitation of financial aid to agribusiness incubation centres.

The objective of RKVY-RAFTAAR is to support incubation of agribusiness by tapping and harnessing the innovations and technologies for creating new ventures in agriculture. Under regular RKVY-RAFTAAR scheme, 70% of the annual outlay is allocated among States according to the given criteria under three heads, viz.,

- (1) Infrastructure & Assets;
- (2) Valueaddition- linked Production Projects (Agribusiness Models); and
- (3) Flexi Funds.

The Innovation and agri-entrepreneurship development comes under RKVY-RAFTAAR special subschemes. Under this, 10% of the annual outlay is allocated for encouraging innovation and agri entrepreneurs through skill development and financial support. It will support incubates, incubation centres, Krishi Vigyan Kendras (KVKs), awards, etc.

To specifically cater to the needs and approaches for agribusiness promotion, the Government of India launched a remodelled RKVY-RAFTAAR in 2017-18 with an element of innovation and agripreneurship. This initiative strives to provide an impetus to promote agripreneurship and agritech startups. In this process, incubation facilities and expertise already available with participating academic, technical, management and R & D institutions in the country shall be utilised on an individual or collective basis to harness their synergies.

Website: <https://rkvy.da.gov.in>



MANAGE-CIA

MANAGE – Centre for Innovation and Agripreneurship (CIA) is a Centre of Excellence (CoE) in Agribusiness Incubation and Knowledge Partner for strengthening, hand-holding and demonstrating best practices to the RKVY-RAFTAAR Agri-Business Incubators (R-ABIs).

MANAGE was established in 1987, as the National Centre for Management of Agricultural Extension at Hyderabad, by the Ministry of Agriculture & Farmers Welfare, Government of India, as an autonomous Institute. In recognition of its importance and expansion of activities all over the country, its status was elevated to that of a National Institute in 1992 and rechristened to its present name, i.e., National Institute of Agricultural Extension Management. MANAGE is the Indian response to challenges of Agricultural Extension in a rapidly growing and diverse agriculture sector.

MANAGE strives to nourish agri-startups at every stage and reinforces its unflagging support to all such agri-startups and agripreneurs, who contribute to the betterment of the agricultural and allied sectors, and thereby contribute to the country's GDP and economic growth.

Website: <https://www.manage.gov.in/managecia/>



MANAGE- Centre for Innovation and Agripreneurship (CIA)
National Institute of Agricultural Extension Management (MANAGE)
Rajendranagar, Hyderabad, India
www.manage.gov.in