

TERRAPHILIC INNOVENTURES PVT. LTD.

Saksham (Seed Stage) sanction amount ₹ 24 Lakh

Problem Statement:

Farmer welfare – Migration from hills is a major challenge due to lack of jobs.
Environmental degradation – Most products are not bio-degradable from most crops/plants we grow & they do not have best carbon sequestering properties.

Tech Brief:

Start-up has R&D Centre where they have developed products like Hemp milk from hemp seeds, water soluble protein isolate. Currently they are developing bio-degradable plastic from hemp cellulose & bio-ethanol for fuel mixture.

USP:

India's first and true vertically integrated B2B Supply chain company R&D Cultivation Processing. Key academic partnerships with IIIM (Only institute in India with a medical cannabis license) and Gurukul Kangri Vishwavidyalaya (India's premier Ayurveda).



www.terraphilic.in



Founder

Aurick Sengupta

Sector

Natural Resource
Management

State

Haryana



NUTRIKOSH INDIA PVT. LTD.

Saksham (Seed Stage) sanction amount ₹ 15 Lakh

Problem Statement: Due to unaffordable agronomy services to small and marginal farmers they are unable to make right choices when it comes to agribusiness.

Agribusiness market in India is largely unorganized and fragmented at both input side and output side of farmgate with multi-tier intermediaries, crippled supply chain and largely offline.

Tech Brief: Startup is providing tech platform offers services and solutions in both upstream (Pre harvest requirements like seeds, fertilizers, pesticides, micro financing etc.) and downstream side (Post harvest requirements like marketing, market linkages etc.) of Agri value chain. This platform provides a range of services and solutions to the farmers, MSMEs, producers groups, FPOs, SHGs so they can experience a one stop digital solution to cater their needs when it comes to execute agribusiness, so growers can focus on what best they do and rest of the value chain is taken care by Nkosh.

USP: One stop digital solutions and services for doing agribusiness, B2B online agribusiness marketplace for agri produce and commodities, B2C marketplace for products from agri MSME, Traceability from farm to fork, Access to extensive market for both input side and output side of farmgate.



www.nkosh.in



Founder

Ashutosh Tiwari

Sector

Online/virtual
platform

State

Uttar Pradesh

IRA SAVOURINGS LLP.

Saksham (Seed Stage) sanction amount ₹ 20 Lakh

Problem Statement:

Ramgarh in Uttarakhand is called as 'The Fruit Bowl of India'. Unfortunately, the farmers here are not incentivized fairly for their fruits. Fragmented lands, high input costs, poor market linkages are forcing them to abstain from agriculture and often migrate to nearby towns/cities in search of livelihood.

Tech Brief: IRA Savourings LLP incentivizes the hill farmers with fair prices to their agricultural produce by aggregating non-perishable items and processing perishable items 100% naturally in a form that is compatible to the agro-climatic conditions of South India. The fruit butter, fruit spread, canned form of Exclusive Himalayan fruits bring in Supply chain innovations and has huge potential for scaling up.

USP:

With the first time introduction of exclusive Himalayan products in South Indian Market, consumers benefit from a wide variety of tastes. Health-conscious customers have better access to 100% naturally processed products at an affordable price. Our product line not only satisfies the needs of unexplored market in South India but also promises a fair incentive to the distressed farmers in the hills of Uttarakhand.



www.irasavourings.com



Founder

Aswini Rayala

Sector

Agro-processing &
Value addition

State

Uttarakhand



SUPERFARMERS INNOVENTURES PVT. LTD.

Saksham (Seed Stage) sanction amount ₹ 25 Lakh

Problem Statement:

A stagnant agriculture sector in the Uttarakhand hills is the main cause of land abandonment and rural migration. Meanwhile, a rising demand for chia seeds is fulfilled through international imports.

Tech Brief:

Startup is having chia seed value chain starting from the Uttarakhand hills and ending in local, regional, and national markets. They have engaged local farmers in this process hence providing employment opportunities within farmers.

USP:

The first Himalayan chia seeds supply chain & the first supply chain of its kind, completely focused on inclusiveness and small-scale farmers.



Founder

Elias Maritan

Sector

Post-Harvest, Food Technology & Value addition

State

Uttarakhand



AMAR AGRITECH

Saksham (Seed Stage) sanction amount ₹ 25 Lakh

Problem Statement:

Sugarcane harvesting is very time consuming process and require lot of labor, the machines which are available in market are very expensive and not suitable for small farmers. In few countries farmers burn sugarcane so they don't have to clean leaves.

Tech Brief:

Startup has manufactured sugarcane harvester which is attached to three point linkage of tractor. PTO shaft of tractor drives gearbox mounted on the harvester, which further drives hydraulic motors and cylinders to cut and clean sugarcane. Minimum of 55 Hp tractor is required to drive the harvester.

Solution:

Single user machine, less labour is required for harvesting sugarcane, it can pick up fallen Sugarcane, price is less comparative to competitors.



Founder

Preet Inder Singh

Sector

Farm mechanization
& innovations

State

Punjab



URBAN AGROTECH FARM

Saksham (Seed Stage) sanction amount ₹ 10 Lakh

Problem Statement:

Startup is solving the problem of low immunity and energy level which invites several diseases and low efficiency.

Tech Brief:

The technology used in our startup is tissue culture technique.

Solution:

Refresh the organs and rejuvenate human health Boost the immunity and energy level Keep India Healthy.



Founder

Dr. Vijay Kumar

Sector

Agriculture
Allied Sectors

State

Uttar Pradesh



KUMAONKHAND AGRO INNOVATIONS AND HOSPITALITY PVT. LTD.

Saksham (Seed Stage) sanction amount ₹ 20 Lakh

Problem Statement:

With no clear directives, and ongoing R&D, Hemp is still a Disorganized Market, with no proper linkages for B2B, B2C. The plant is underutilized, with lack of awareness about complete utility amongst farmers, resulting in more wastage. Add the stigma to the problem, there is unclear pricing and almost no quality checks in place so far in the emerging Hemp market.

Tech Brief: Startup is working on standardizing the pricing, quality of Hemp products and making it accessible and affordable to all players in the Hemp industry, enabling small scale local farmers to have platform to sell their produce and process it to create sustainable plant-based alternative.

USP:

Creating micro-industrial clusters across Hemp product line in the Himalayan region
Building Hemp industry use cases in Hemp food space with our unique Cold-pressed Hemp Seed Oil, Hemp Protein, Hemp Seed Salt Fixing Hemp supply-chain with standardizing pricing, quality.



www.kumaonkhand.com



Founder

Pavitra Joshi

Sector

Natural resource management

State

Uttarakhand

LUKUR INDIA LLP.

Sahas (Pre-Seed Stage) sanction amount ₹ 5 Lakh

Problem Statement:

The major migration crisis due to no sustainable livelihood opportunities in Uttarakhand is leading to a demographic change which is ultimately leading to the extinction of the art, craft, and cultural heritage of the state.

Tech Brief:

Startup is into sustainability model in which their products will be all home grown and hand crafted by the farmers and craftspeople of Uttarakhand which will provide employment opportunities on multiple level. A swadeshi movement which we will start to revive our indigenous craft clusters.

USP:

Startup products USP is that all their products are handcrafted on handlooms and made with natural fiber sourced from farmers of Uttarakhand and inspired by traditional art & crafts of Uttarakhand following the cocnept" Farm to Fashion".



www.lukurindia.com



Founder

Anukriti Bisht

Sector

Natural resource
management

State

Uttarakhand



KALPHELIX BIOTECHNOLOGIES PVT. LTD.

Sahas (Pre-Seed Stage) sanction amount ₹ 5 Lakh

Problem Statement: The Indian Market Research Bureau suggests that protein deficiency in Indians is more than 80%, and as per the recent National Sample Survey, it is estimated that over 70 per cent of adults in India and 80 per cent of pre-school children have some form of B12 deficiency.

Tech Brief: Startup provide sustainable protein source to eradicate malnutrition by cultivating and processing Lemna minor (Duckweed) hydroponically in controlled environment with specific full light spectrum for 8hr and Red blue for 10 hr in ration of R3:B7 which increases protein quantity between 40 to 50 % dry weight, it is also an only vegan source of Vit B12. Along with this other value added products are also been developed such as cosmetics, seed bio-stimulant, soil conditioner and compost fertilizer.

Solution: Sustainable, regenerative and nutrient-dense ingredients, Lemna minor complete protein powder is a groundbreaking vegan protein powder that advances in four main categories. Nutrition, sustainability, supply, and functionality. The extracted protein has the highest level of essential amino acids and BCAA's of all plant protein and is highly digestible, rich in Vit B12 and prebiotic. This is complete protein powder is minimally processed and no chemicals are used.



www.kalpHELIX.in



Founder

Kalpana Sengar

Sector

Post-Harvest, Food Technology
& Value addition

State

Uttar Pradesh

KIKABONI LIVING PVT. LTD.

Sahas (Pre-Seed Stage) sanction amount ₹ 5 Lakh

Problem Statement:

Counter excessive use of chemical fertilisers by providing effective organic inputs.

Tech Brief:

Startup is using Low Cost technology for regional production of bio-fertilisers and bio-pesticides.

USP:

Regionally available high quality organic agri-inputs at affordable prices.



www.kikaboni.in



Founder

Shashi Shikha

Sector

Organic farming
& products

State

Delhi



DEVKAUSH ORGANIZATION

Sahas (Pre-Seed Stage) sanction amount ₹ 5 Lakh

Problem Statement: Post harvest losses, migration, unemployment, transportation all are solving with one solution.

Tech Brief:

Startup main focuses on the development of food products from hill crops viz Fruit Squash, RTS, Pickles, Jam, Jelly, Nutritious products from millets and pulses with the technical support of Krishi Vigyan Kendra, Ranichari (T.G.) Processing and value addition will motivate the farmer towards farming.

Solution:

Millets are highly nutritious crops and comes under the category of Nutri-cereals. Uttarakhand has more area under millet cultivation and has good market size. Value added products are still lacking in the market whereas the consumer needs are high for such type of products. Value-addition of these crops will create new space in the market. We are into processing of fruits also which is RTS of Malta, Buransh (Rhododendron), etc which have high market demand as well as have more health benefits. Also into products for pregnant ladies. No preservative added products.



www.devkaush.rf.gd



Founder

SANDEEP SAKLANI

Sector

Post-Harvest, Food Technology
& Value addition

State

Uttarakhand





**IIM KASHIPUR
FOUNDATION FOR INNOVATION
AND ENTREPRENEURSHIP DEVELOPMENT**

 fied@iimkashipur.ac.in

 Indian Institute of Management, Kundeshwari,
Kashipur 244713, Uttarakhand, India