AgRIM

Agri-Startups: Reflection of ICAR Technologies in Market

भारतीय कृषि अनुसंधान परिषद
Indian Council of Agricultural Research
New Delhi

Intellectual Property and Technology Management Unit:

Intellectual Property and Technology Management Unit (IPTM Unit) of ICAR was constituted to assimilate IPR dimensions in research management in R&D institutions. It is implemented through 'National Agriculture Innovation Fund' to promote creativity and innovations, to strengthen the institutional mechanism to protect/manage innovations/intellectual properties (IPs) generated within the system and to establish/transform agri-business Incubator centres as leaders in NARES. This scheme is contributing towards development of an IP environment in ICAR.

ICAR-National Academy of Agricultural Research Management:

The ICAR-National Academy of Agricultural Research Management (NAARM) was established by the Indian Council of Agricultural Research in 1976 at Hyderabad with a vision to enable National Agricultural Research and Education System (NARES) adapt to change through continuous innovation. The major mandate of the Academy is to build capacity in agricultural research, education and extension education systems, and provide policy advocacy for the National Agricultural Research and Education System.

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The Directorate of Knowledge Management in Agriculture (DKMA) is committed to promote ICT driven technology and information dissemination system for quick, effectual and cost-effective delivery of messages to all the stakeholders in agriculture. Keeping pace with the current knowledge diffusion trends, Directorate is delivering and showcasing ICAR technologies, policies and other activities through print, electronic and web mode. DKMA also provides public relation and publicity support to the council and its constituents across the country.

AgRIM

Agri-Startups: Reflection of ICAR Technologies in Market

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Indian Council of Agricultural Research
New Delhi

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ICAR-NAARM

Contents

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New Delhi-110 001. India

Message

Indian Council of Agricultural Research (ICAR) is the apex public research organization which has been playing a key role in the innovation processes concerning agriculture. Traditionally, ICAR has played its technology development and dissemination role, limiting itself to the frontline demonstrations in the KVKs as an outreach activity. But with growing agriculture-dependent economy, it is also important to commercialize potential technologies enabling first generation entrepreneurs to take up agri-startups in order to accelerate the goal of doubling farmers' income by 2022.

I compliment ICAR for developing a comprehensive strategy, in line with GoI initiatives such as National Intellectual Property Rights Policy and Atal innovation Mission and bringing out this particular publication “Agri startups: Reflection of ICAR Technologies in Market”.

I am sure that this effort to showcase the success stories of Startups nurtured by ICAR research institutes would foster a culture of innovation and entrepreneurship in agriculture sector. It would also encourage the young entrepreneurs to innovate and commercially promote viable products and services.

I congratulate the Team ICAR for this meaningful documentation and wish success to all the Startups in their respective endeavors.

Radha Mohan Singh

(Radha Mohan Singh)

Shri Gajendra Singh Shekhawat
Hon'ble Union Minister of State for Agriculture and Farmers Welfare,
Government of India
New Delhi-110 001. India

Message

Agriculture research has evolved over the last decade in a much more dynamic and innovative manner. In the changing socio-economic context, incubation of new/existing technologies that significantly improve delivery method, reduce the costs and help in conservation and sustainable utilization of the natural resources have become important. It is commendable that Indian Council of Agricultural Research (ICAR) has made corrected efforts to engage its network of R&D labs for promoting agri-startups.

The documentation of successful cases which are being presented in "Agri startups: Reflection of ICAR Technologies in Market", in a very lucid way, is a testimony of the commitment of ICAR in this cause.

I am sure, ICAR would continue to harness and synergize the innovative research and develop market-driven products to enable servicers in agriculture sector for the cause of society.

(Gajendra Singh Shekhawat)

Dr. Trilochan Mohapatra
Secretary (DARE) & DG, ICAR,
Ministry of Agriculture and Farmers Welfare, Government of India
New Delhi-110 001. India

Foreword

In order to achieve the goal of doubling the farmers' income by 2022, it is imperative that the potential of agriculture research is optimally realized by extending it in a manner that leads to new products, services and systems that add value to bring about significant changes in income, employment and livelihood security; not only in rural India but also to fuel the entire economy. In other words, bringing knowledge to create value has to be at the centre of the new approach. This can be achieved if ventures are created in large number and nurtured through appropriate interventions/incentives/investments by generating new technologies, allowing access to latest technologies, arranging required services and supplies to optimally use the technologies, and providing the required venture skills. This requires setting up of an effective incubation system that nurtures venture development. Realising the need for incubation support and nurturing the techno-entrepreneurs has been taken up in the Agribusiness Incubation Centres established in 24 ICAR institutes, keeping in view, the spectrum of technologies, available infrastructure and the core competency of the institutes.

The "*National Agriculture Innovation Fund*" of ICAR provides systematic ethos to technology transfer and commercialization. With this support mechanism, ICAR-NAARM is promoting agribusiness while handholding agri-business incubators by inter-alia developing modules, guidelines and other forms of learning material for capacity building. The Council strives to accelerate development of entrepreneurial companies from idea stage towards self-sustaining successful business.

The Startup India, a flagship initiative of GoI has further given a stimulus to the Agri-Business Incubators to nurture innovation and Startups in the country. Supporting the programme, NAARM along with IPTM Unit of ICAR headquarters have compiled the profile of 100 Agri-Startups of different domains of agriculture & allied areas. These startups have been supported by ICAR at various stage such as technology license, incubation, training, IP filing etc. This publication would inspire the new & budding agri-entrepreneurs to endeavor into agri-business ecosystem to foster the economy of the country and spread the movement of Agri-Start Ups.

(T Mohapatra)

Acknowledgements

Following the Government of India's initiative for promoting Start-Ups in the country, a brief study was undertaken among all ICAR institutions by IP&TM Unit and NAARM to contour the Agri-Startups associated with ICAR institutions either through technology transfer or business incubation across the country. There are about 24 Agribusiness Incubators in India with the support of National Agricultural Innovation Fund besides IP&TM unit in all institutions. Number of technologies that were transferred since 2006 is more than 1250 and still increasing. These technologies were transferred to different stakeholders like MNCs, Indian Companies, SMEs, Government organizations, Non-Government organizations and Startup Entrepreneurs. Based on these base level data at IP& TM Unit, we tried to capture the status of 100 selected entrepreneurs, who have partnered with ICAR, as a part of its technology transfer process and/or incubation process.

"Agri-startups: Reflection of ICAR Technologies in Market" is a brief outline of these startup entrepreneurs.

This compilation would provide a glimpse of the startup panorama of India and would inspire more and more youth to be part of this National Mission of Startup India and Make in India towards fostering and building entrepreneurship in agriculture. The objective of this publication is to inspire the youth to come into this sector for a better future.

We are grateful to Dr T. Mohapatra, Secretarty DARE and Director General, ICAR for his constant encouragement to complete this document. Authors are thankful to Directors of various ICAR Institutes and start-up companies for providing inputs for successful compilation of this document.

Authors

Acronyms

ABI: Agri Business Incubator
AgRIM: Agri Startups: Reflection of ICAR Technologies in Market
BPD: Business Planning and Development
CIBA: Central Institute of Brackishwater Aquaculture
CIFT: Central Institute of Fisheries Technology
CIPHET: Central Institute of Post Harvest Engineering & Technology
CIRCOT: Central Institute for Research on Cotton Technology
CPCRI: Central Plantation Crops Research Institute
CPRI: Central Potato Research Institute
DARE: Department of Agricultural Research and Education
DKMA: Directorate of Knowledge Management in Agriculture
GoI: Government of India
IARI: Indian Agricultural Research Institute
ICAR: Indian Council of Agricultural Research
ICT: Information and Communications Technology
IIHR: Indian Institute of Horticultural Research
IIMR: Indian Institute of Millets Research
IISR: Indian Institute of Sugarcane Research
IP: Intellectual Property
IPTM: Intellectual Property Technology Management
ITMU: Institute Technology Management Unit
IVRI: Indian Veterinary Research Institute
KVK: Krishi Vigyan Kendra
MNC: Multi National Company
NAARM: National Academy of Agricultural Research Management
NAIF: National Agricultural Innovation Fund
NARES: National Agricultural Research and Education System
NDRI: National Dairy Research Institute
NGO: Non-Government Organization
NIRJAFT: National Institute of Research on Jute & Allied Fibre Technology
NPD: New Product Development
NRC: National Research Centre
PJTSAU: Professor Jayashankar Telangana State Agricultural University
R&D: Research and Development
SME: Small and Medium-sized Enterprises
TBI: Technology Business Incubator
UAV: Unmanned Aerial Vehicle

Introduction

India is an agrarian economy with rich resources of traditional indigenous knowledge, biodiversity and human capital. It has a huge potential for promoting agri-based innovations that promise solutions to many of the current challenges faced by the sector. Till recently agricultural innovations of Indian has mainly been driven by public sector. The National Agricultural Research and Education System (NARES) is a major stakeholder in agricultural research with a focus on technology creation and its delivery to other stakeholders such as farmers, producer groups, retailers, corporations, civil societies and private players. The current needs of the stakeholders warrant NARES to transform into a more pluralistic innovation system addressing the needs of the consumers. The success of these technologies can also enhance incomes of the stakeholders including farmers. It is important that these innovative technologies, processes and products from the NARES system utilize in such a way that efficiency in agri-economic system is significantly enhances.

The NARES, therefore is, gradually started shifting from '*a supply-driven* to *demand driven and market-led'* agricultural innovation system, involving different stakeholders. In this transition, issues of technology transfers through commercialization from public research, gaps of knowledge in new product development (NPD) processes for the markets by attracting agri-entrepreneurs through agri incubators have started to emerge.

Incubators are recognized as "technology-led and knowledge-driven enterprises" as they help in speedy commercialization of innovations and research outputs. Technology business incubators not only help in growth of technology based new enterprises but also improve survival rate of the agri-entrepreneurs who are not only required to act as innovator but also for economic growth and job creation. They have immense potential to improve the livelihoods of stakeholders in agri-production and consumption systems in rural regions.

The incubators help in mustering support services for start-ups with respect to technology refining, validation, business services including strategy, planning and scale up operations, IP services, help in finding funds etc. Compared to other sectors like engineering, pharmaceuticals, ICT, machinery, consumer goods etc., this concept is at an early stage in the agriculture and food sector. Even at the global level, there is start of evolution of a variety of agribusiness incubators and many are still at early stage levels.

The processes of technology transfer from academic institutions to industry have emerged during the last two decades following the "Bayh-Dole Act of 1980", an amendment to the patent code of United States. It paved way to claiming ownership in intellectual property on research funded by U.S. Government. Soon this led to similar initiatives in India. In the Indian NARES, Indian Council of Agricultural Research (ICAR) had taken the stewardship of technology commercialization through the promulgation of IP and technology commercialization policy in 2006. The IP&TM scheme launched during 2008 can be seen as a driver towards implementation of the policy. Under this scheme, Institute Technology Management Units (ITMUs) were established across all ICAR

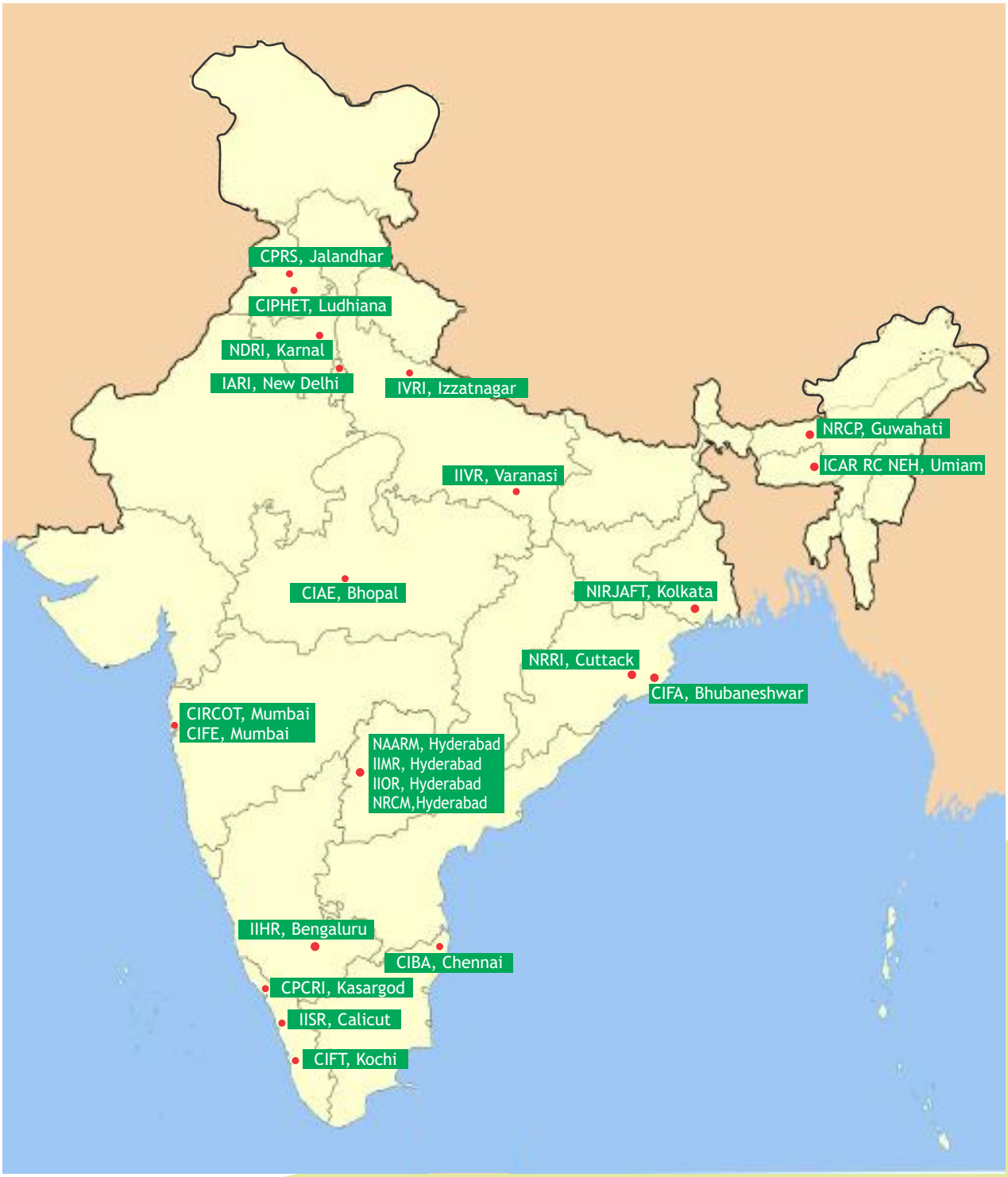
institutes. These initial steps of ITMU scheme grants led to the building of vibrant IP ecosystem in the NARES. In terms of visible gains, the number of filings under various IP categories have increased significantly.

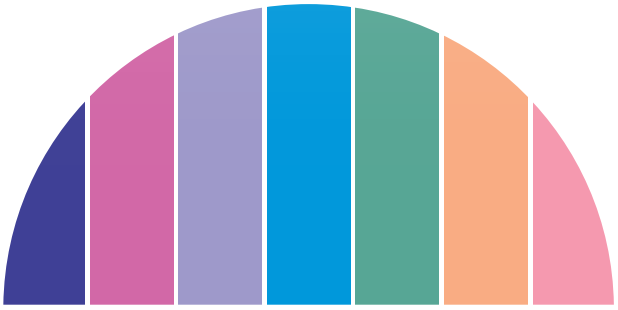
To upscale the process 22 of BPDs in NARES were establised with National Agricultural Innovation Project (NAIP). The overall objective of the project grants was to initiate this new mode in NARS and internalize the scope of incubation into the system. Units under BPD projects sought to provide a wide range of services ranging from incubation facilities, research support and business services such as office space, access to Information and Communication Technology (ICT) services, advisories on management, and marketing, technical, legal and financial issues. The work in this project also evolved new partnerships between NARES institutes and technology seeking companies through technology validation, technology transfer and enterprise development processes. The impact of units under the BPD project can also be gauged through concerted efforts of nurturing and skill development of entrepreneurs along with commercialisation of technologies. Ninety one incubates graduated from these centres during the project period. The project also helped the entrepreneurs to commercialise their business ideas using research facilities of the institutes and provided pilot level production facilities for the prospective entrepreneurs.

The initial success achieved in the ITMU scheme for initiation of technology transfer process and later through the achievements through the BPD units established under the NAIP laid the basis for providing a continuum in the NARES for technology commercialization, incubation and entrepreneurship development. The experience in these two projects led to the new thinking across policy makers and NARS leading to development of National Agricultural Innovation Fund. Under the component I it is clear that IPTM scheme is now into the next phase to provide a continuum of early work. Under the component II of the NAIF, a target of 50 agribusiness incubators has been envisaged. Till date, 24 ABIs have been granted. These incubators have together helping in more than 150 agri-entrepreneurs from different backgrounds including some companies. With the recent announcement of start-up India policy and startup definition, about 100 entrepreneurs who can be defined as agri-startups supported by ICAR Agri-business incubation centers. This compendium AgRIM (**Ag**ri-startups: **R**eflections **I**CAR technologies in **M**arket) is the overview of the efforts of these 24 Agri-Business Incubators of ICAR to bring these startups to the market for enhancing the efficiency in the value chain of different agricultural sectors.

This compendium is expected to create more network across the canvas of emerging agri-startups. Consolidation of efforts across diverse centres encourage cross learning within each sector.

ICAR Agri-Business Incubators





STARTUPS

Nexgen Drying Systems Pvt. Ltd.

Name of Institute:
CIPHET, Ludhiana
No. of technology licensed:
Two
Licensing term:
Non exclusive
Industry:
Agril Engineering Machines/ Tools

Technology description:
This is fully automatic machine assisted with pneumatic power and electronically controlled with efficiency of the cutting and scooping mechanism: 94% pulp recovery, 6% pulp wastage along with peels. The capacity of the machine is 120 kg/h

Founder
Mr. Shivananad M. Shelge
BE
9822651535
shivanand@nexgenair.com

NM Engineering Industries

Name of Institute:
CPCRI, Kasaragod
No. of technology licensed:
Three
Licensing term:
Non exclusive
Industry:
Agril Engineering Machines/ Tools

Technology description:
A double jacketed auto stirrer cooker for production of virgin coconut oil by hot process with an output capacity of 125 lts/batch/6 hr

Founder

Mr. M. Nachimuthu
ME
9865439989
sales@nmindia.com

Padmatech Industries Pvt. Ltd.

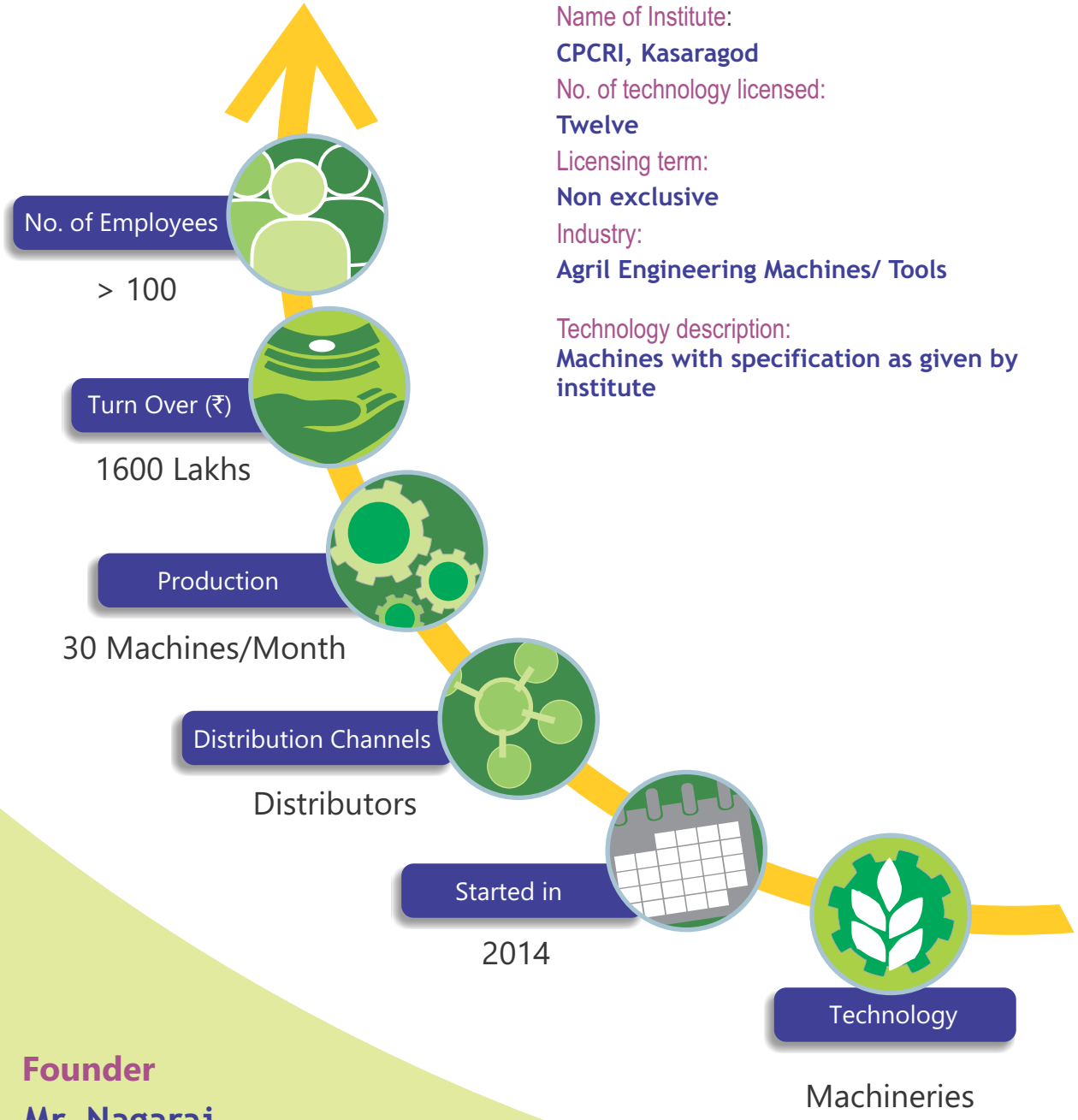
Name of Institute:
CIPHET, Ludhiana
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Agril Engineering Machines/ Tools

Technology description:
The system comprises Pomegranate Fruit Breaking unit, Drive unit, Collection Trays where separated arils and extraneous matters are received, Vibrating Sieve unit; and the clean arils and extraneous matter Collection Troughs

Founder

Mr. Kishor Navale
BE
7798884582
padmatechengg@yahoo.co.in

Pro B Products



Name of Institute:
CPCRI, Kasaragod
No. of technology licensed:
Twelve
Licensing term:
Non exclusive
Industry:
Agril Engineering Machines/ Tools

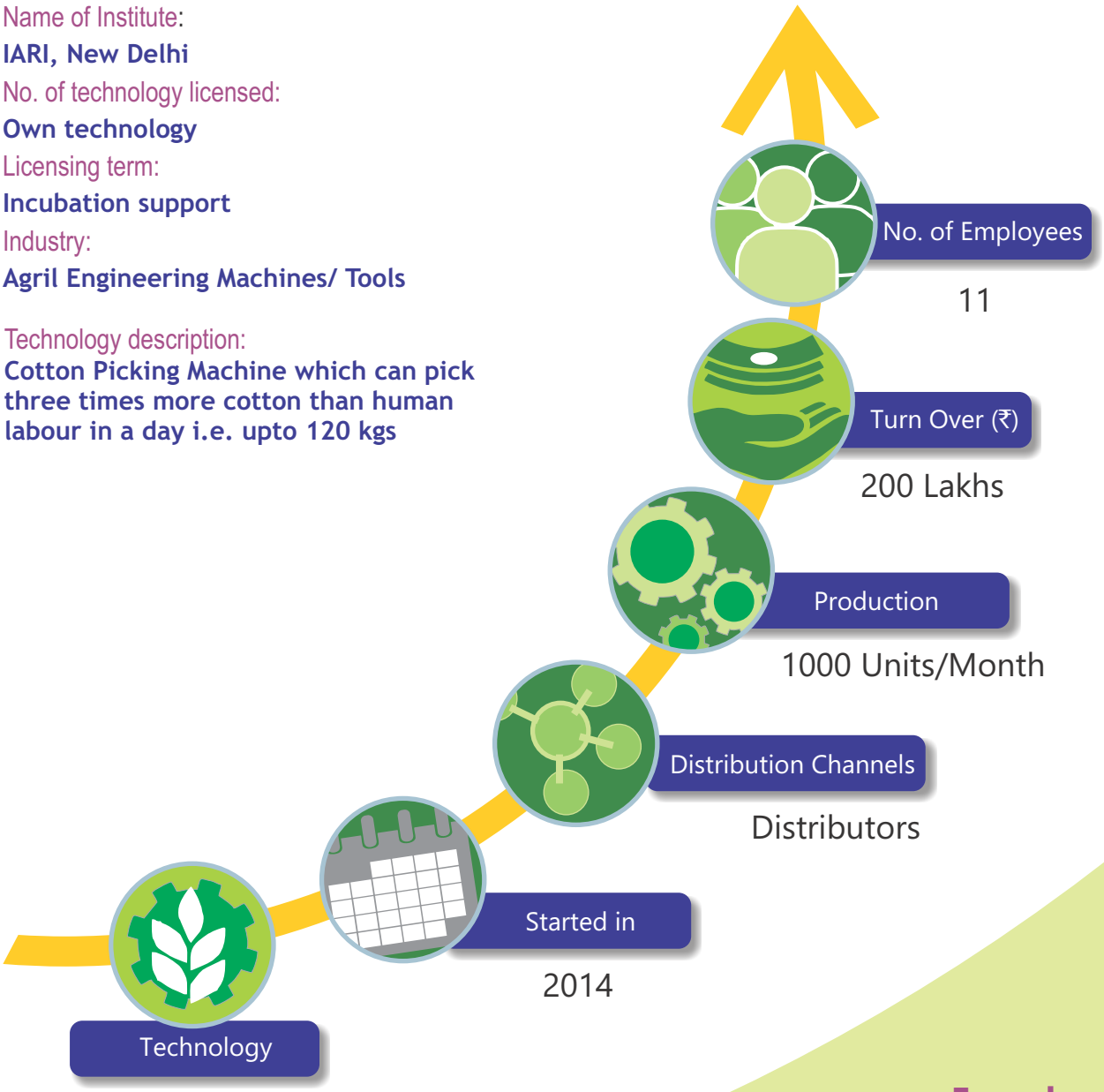
Technology description:
Machines with specification as given by institute

Founder
Mr. Nagaraj
ME
9242205504
probproducts@gmail.com

Sickle Innovations Pvt. Ltd.

Name of Institute:
IARI, New Delhi
No. of technology licensed:
Own technology
Licensing term:
Incubation support
Industry:
Agril Engineering Machines/ Tools

Technology description:
Cotton Picking Machine which can pick three times more cotton than human labour in a day i.e. upto 120 kgs



Founder
Mr. Nitin Gupta
MA
9426647045
nitin@sickle.in

W S Telematics Pvt. Ltd.

Name of Institute:
IARI, New Delhi
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Agril Engineering Machines/ Tools

Technology description:
First one to commercialize Pusa Soil Testing and Fertiliser Recommendation (STFR) Meter Kit technology developed by the Soil Science Divison of ICAR-IARI, Pusa

Founder

Mr. Wazir Singh Dahiya
BE
9212302277
www.wstelematics.com

A & N Traders

Name of Institute:
IISR, Calicut
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Biopesticides and Crop Nutrition

Technology description:
A micronutrient composition for cardamom and a process for its preparation

Founder
Mr. Nirmal Nelson
BA
8593003381
nelsonnirmal89@gmail.com

Agpulse Pvt. Ltd.

Name of Institute:
IARI, New Delhi
No. of technology licensed:
Own technology
Licensing term:
Incubation support
Industry:
Biopesticides and Crop Nutrition

Technology description:
Ayurvedic plant medicine to control pest and diseases in crops without inducing toxicity in ecosystem

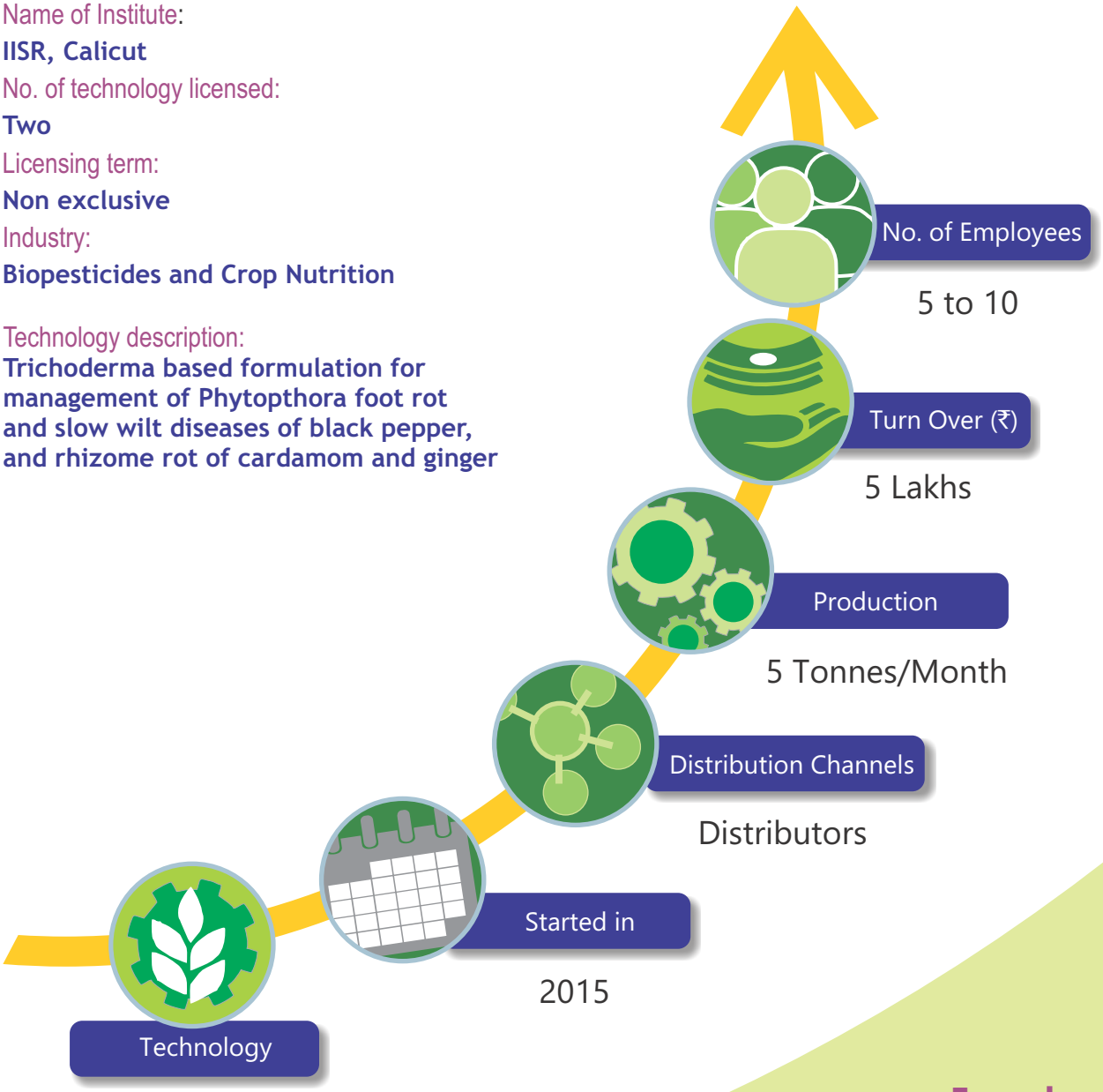
Founder

Mr. Rajeev Ranjan
MBA
9958661464
rr.agpulse@outlook.com

Agri Life Biotech

Name of Institute:
IISR, Calicut
No. of technology licensed:
Two
Licensing term:
Non exclusive
Industry:
Biopesticides and Crop Nutrition

Technology description:
Trichoderma based formulation for management of Phytopthora foot rot and slow wilt diseases of black pepper, and rhizome rot of cardamom and ginger



Biocontrol Agent-
Trichoderma harzianum

Founder

Dr. Unni K. N.
PhD
9447766484
unni.nair24@gmail.com

Codagu Agritech

Name of Institute:
IISR, Calicut
No. of technology licensed:
Three
Licensing term:
Non exclusive
Industry:
Biopesticides and Crop Nutrition

Technology description:
Biocapsule technology for control of root-knot nematodes in black pepper, *Trichoderma harzianum* formulation to manage Phytophthora foot rot disease in black pepper and plant growth promoting rhizobacteria (PGPR) for enhanced growth and vigour in black pepper

Founder

Dr. Chaitra Narayan
PhD
9886299801
codagu.agritech.giu@gmail.com

Hi 7 Agri Bio Solutions

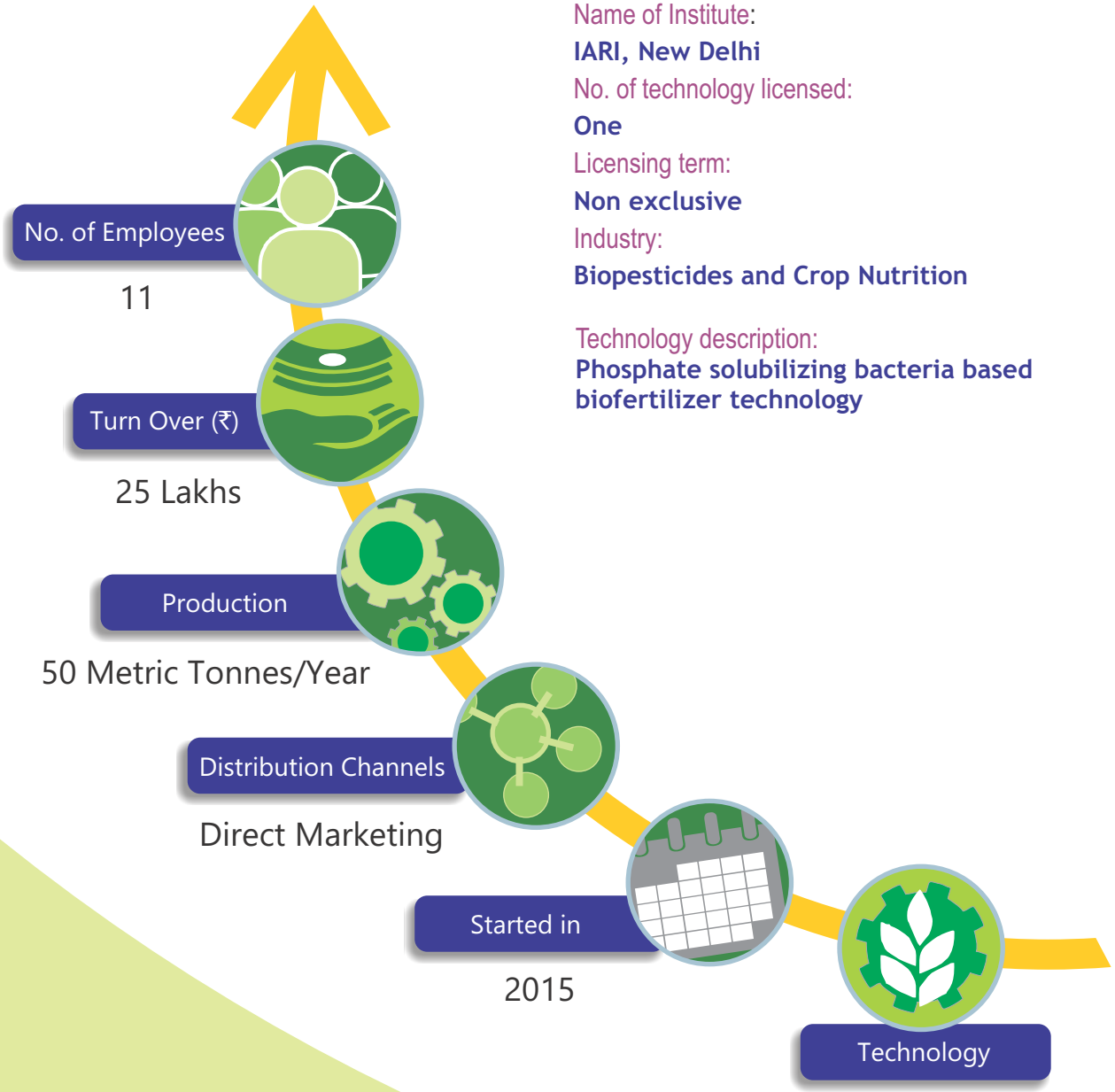
Name of Institute:
IIHR, Bengaluru
No. of technology licensed:
Three
Licensing term:
Non exclusive
Industry:
Biopesticides and Crop Nutrition

Technology description:
Micronutrient Formulations (Arka Mango Special, Arka Banana Special and Arka Vegetable Special)

Founder

Mr. P. Nagendra Babu
BTech
8095890808
hi7agri@gmail.com

Jai Biotech Research Centre



Name of Institute:
IARI, New Delhi
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Biopesticides and Crop Nutrition

Technology description:
Phosphate solubilizing bacteria based biofertilizer technology

Founder

Mr. Jaideep Pareek
MSc
9414452919
jaideep123us@yahoo.com

Jayvions Agritech Industries

Name of Institute:
IVRI, Izatnagar
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Biopesticides and Crop Nutrition

Technology description:
Low cost multiplication technology of salt tolerant bio-growth enhancers for normal sodic soils (CSR-BIO)

Founder

Mr. Jayanendra Singh
MSc
9412223330
jayvionsagritech@gmail.com

Jeevanksh Eco Products Pvt. Ltd.

Name of Institute:
IARI, New Delhi
No. of technology licensed:
Own technology
Licensing term:
Incubation support
Industry:
Biopesticides and Crop Nutrition

Technology description:
Marketing and supply chain efficiency by integrating on the backward supply chain

Founder

Mr. Gunajit Brahma
MSc
9867451400
gun@jeevenksh.com

Krishi Biosys

Name of Institute:
IIHR, Bengaluru
No. of technology licensed:
Six
Licensing term:
Non exclusive
Industry:
Biopesticides and Crop Nutrition

Technology description:
Mass Production of Biopesticides (*Trichoderma harzianum*, *Trichoderma viride*, *Pseudomonas fluorescens*, *Verticillium chlamydosporia*, *Paecilomyces lilacinus*)

Biopesticides Using
Trichoderma Formulations

Founder

Mr. Sabu Thomas
Senior Secondary
9738459306
krishibiosys@gmail.com

Natura Crop Care

Name of Institute:
IIHR, Bengaluru
No. of technology licensed:
Seven
Licensing term:
Non exclusive
Industry:
Biopesticides and Crop Nutrition

Technology description:
Microbial consortium in powder, liquid forms, and neem and pongamia soaps

Founder

Mr. R. Manoj Kumar
MTech
9742325266
rupamanoj@gmail.com

Navaratna Cropscience Pvt. Ltd.

Name of Institute:
NAARM, Hyderabad
No. of technology licensed:
Own technology
Licensing term:
Incubation support
Industry:
Biopesticides and Crop Nutrition

Technology description:
New products Development in Biofertilizers, Biostimulants, Microbial consortiums, Probiotics, Prebiotics and Organic Inputs

Founder
Mrs. Mannem Sarita Reddy
BSc
9010111138
navaratnacropscience@gmail.com

Rajshree Farm

Name of Institute:
IVRI, Izatnagar
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Biopesticides and Crop Nutrition

Technology description:
High quality vemicompost preparation

Founder

Mr. Vishwapal Singh
MSc
9758356057
vpcinh@gmail.com

Sana Agri Industries

Name of Institute:
CIRCOT, Mumbai
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Biopesticides and Crop Nutrition

Technology description:
Unique Microbial process for degossypolization and nutritive enrichment of cotton seed meal

Founder

Mr. Irfan Ali
Secondary
9916500523
irfanalikalmala5566@gmail.com

Suma Agro India Pvt. Ltd.

Name of Institute
IIHR, Bengaluru
No. of technology licensed
One
Licensing term
Non exclusive
Industry
Biopesticides and Crop Nutrition

Technology description
Enriching the product humicas with microbial inoculants

Founder

Mr. Karthikeyan
BE
9698827777
karthik@sumoagro.com

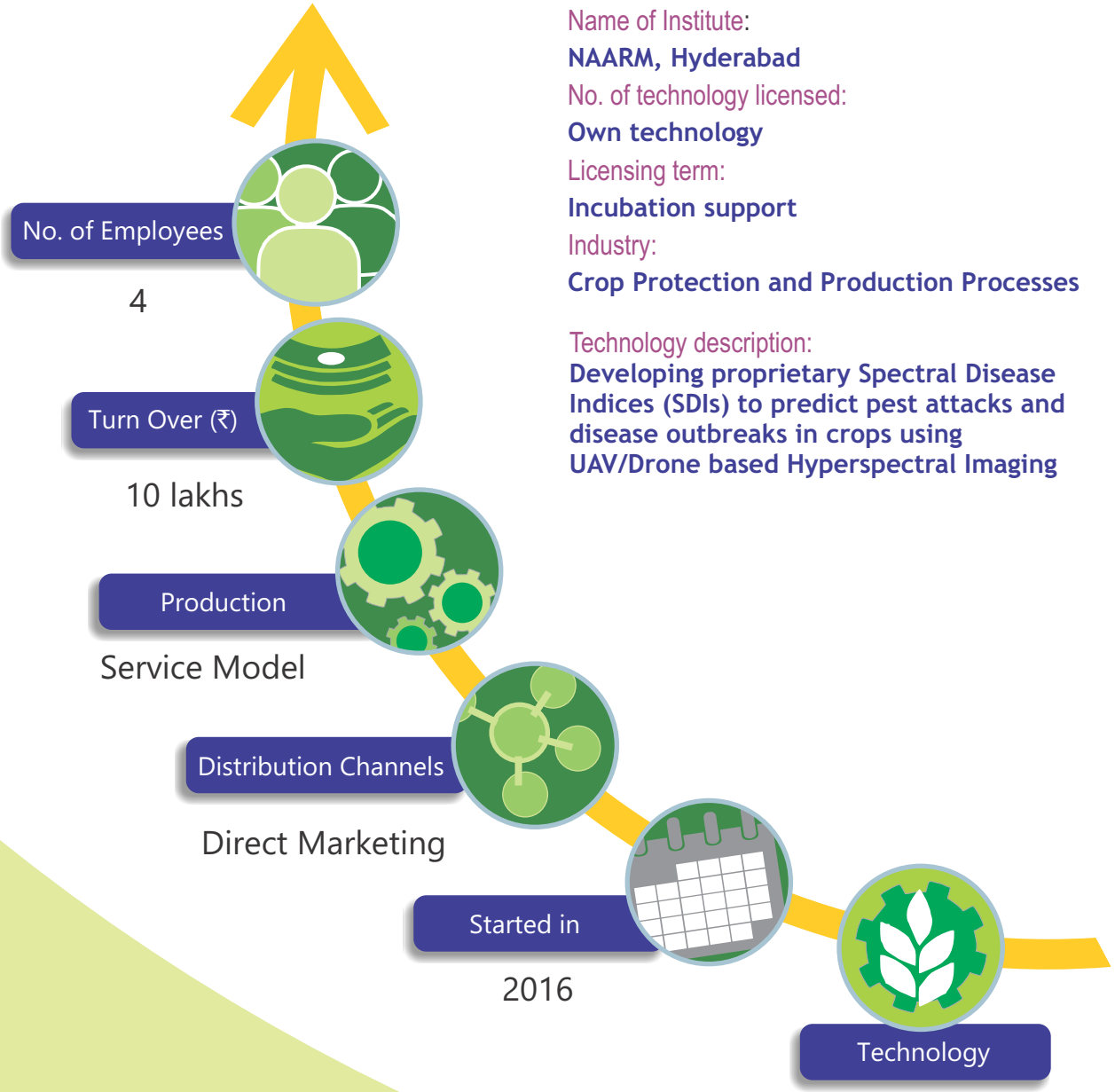
Arundhathi Farms

Name of Institute:
IIHR, Bengaluru
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Crop Protection and Production Processes

Technology description:
Production of flowers using advanced technologies in polyhouses

Founder
Mr. Dushyant
MBA
9900102233
dushysmind@gmail.com

Bharatrohan Airborne Innovations Pvt. Ltd.



Name of Institute:
NAARM, Hyderabad
No. of technology licensed:
Own technology
Licensing term:
Incubation support
Industry:
Crop Protection and Production Processes

Technology description:
Developing proprietary Spectral Disease Indices (SDIs) to predict pest attacks and disease outbreaks in crops using UAV/Drone based Hyperspectral Imaging

Founder

Mr. Amandeep Panwar
BE
9650588865
aman@bharatrohan.in

Ceyon Healthcare Pvt. Ltd.

Name of Institute:
IARI, New Delhi
No. of technology licensed:
Own technology
Licensing term:
Incubation support
Industry:
Crop Protection and Production Processes

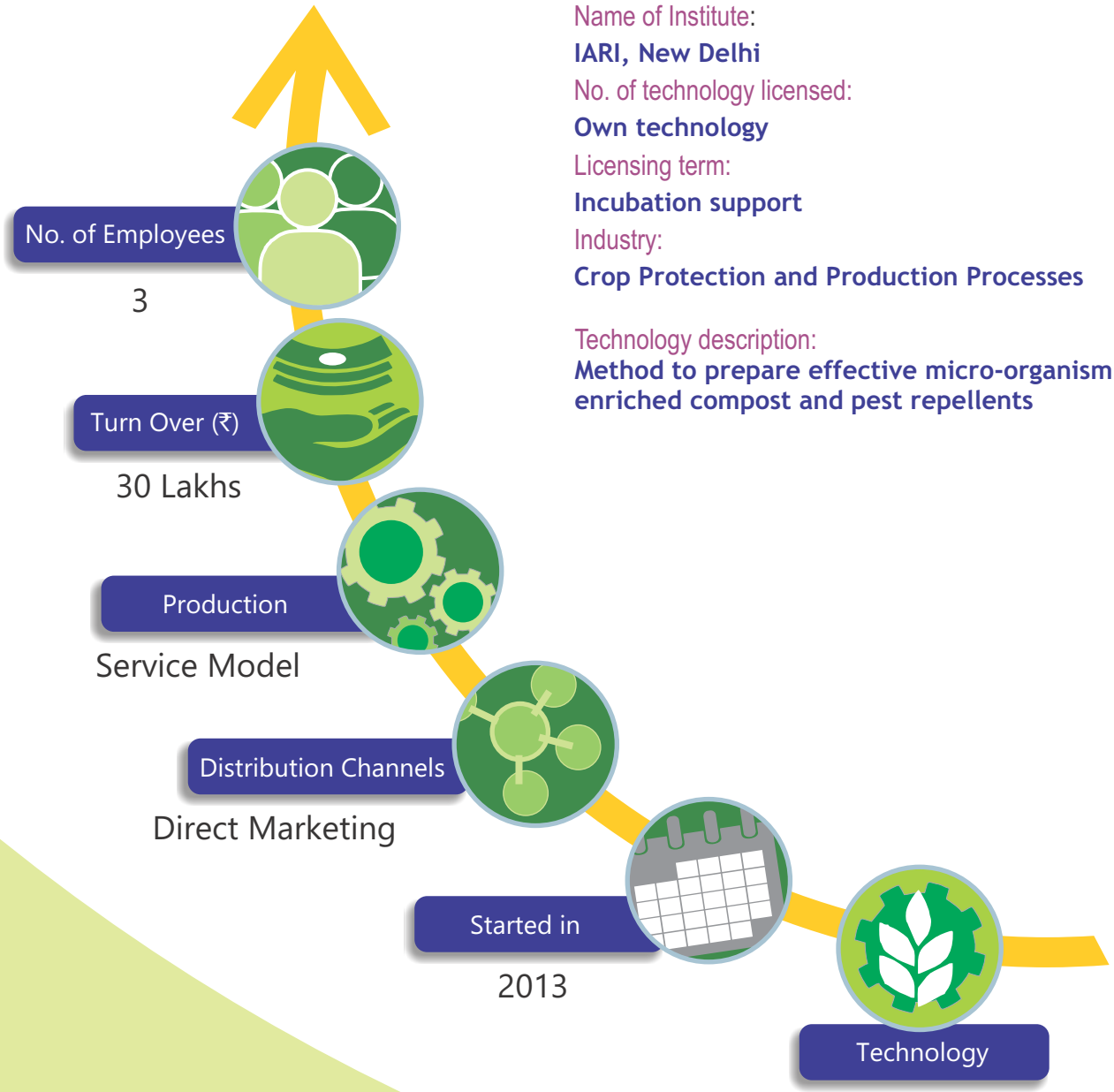
Technology description:
Omega Alive products including Blended Omega 3, Omega 6 and Omega 9 Rich Stable flaxseed oil, Cold pressed Pure Flaxseed oil, Raw flaxseed powder etc.

Blended Flax Seed Oil to Ensure Omega 3 and Omega 6 Ratio

Founder

Dr. Kshitij Bhardwaj
PhD
9044241027
kbhardwaj3@gmail.com

EM-Power India Welfare Foundation



Name of Institute:
IARI, New Delhi
No. of technology licensed:
Own technology
Licensing term:
Incubation support
Industry:
Crop Protection and Production Processes

Technology description:
Method to prepare effective micro-organism enriched compost and pest repellents

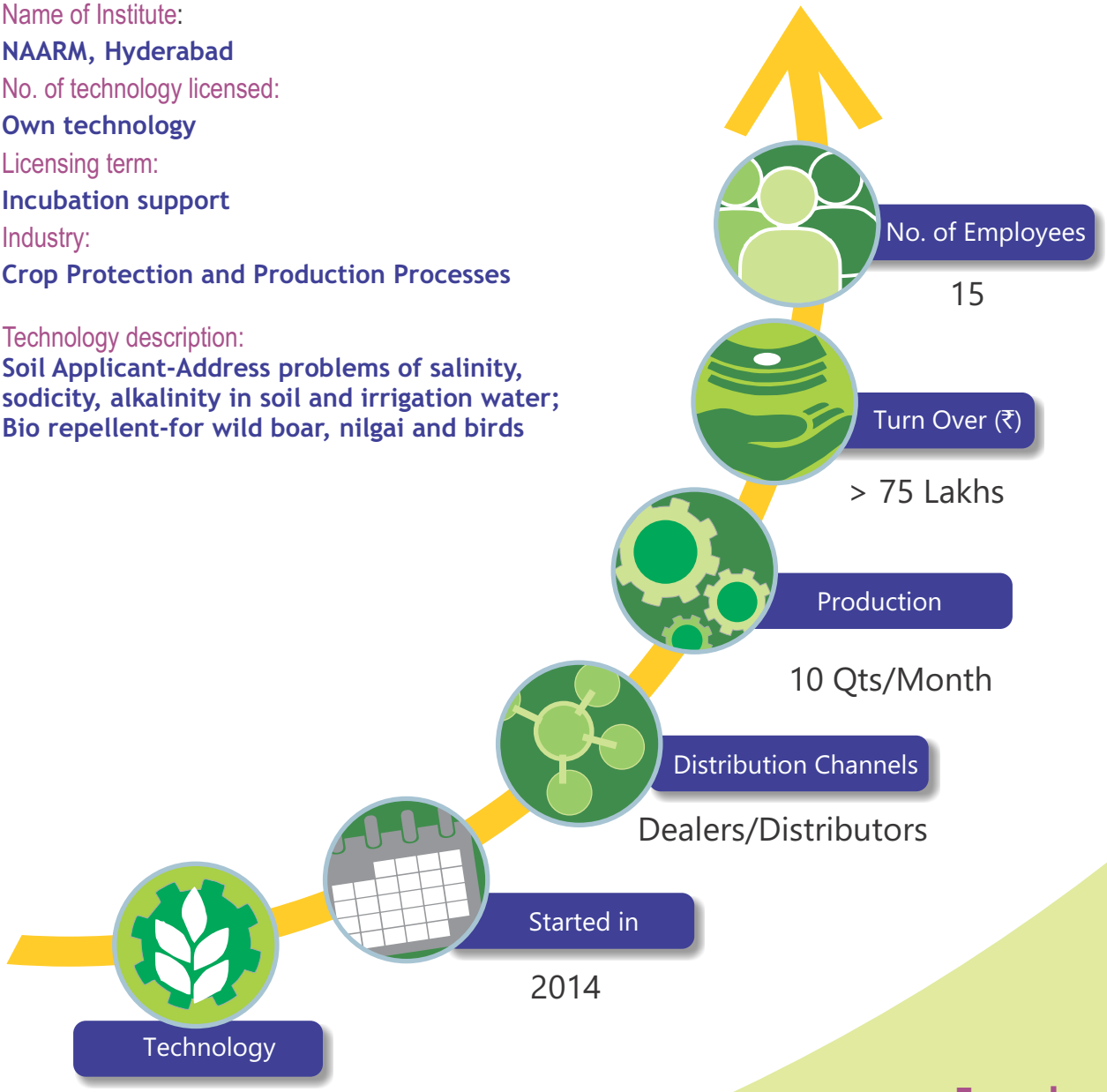
Founder

Mr. Abhishek Pandey
BSc
7499652970
amazon.management@gmail.com

Gen Agritech

Name of Institute:
NAARM, Hyderabad
No. of technology licensed:
Own technology
Licensing term:
Incubation support
Industry:
Crop Protection and Production Processes

Technology description:
Soil Applicant-Address problems of salinity, sodicity, alkalinity in soil and irrigation water; Bio repellent-for wild boar, nilgai and birds

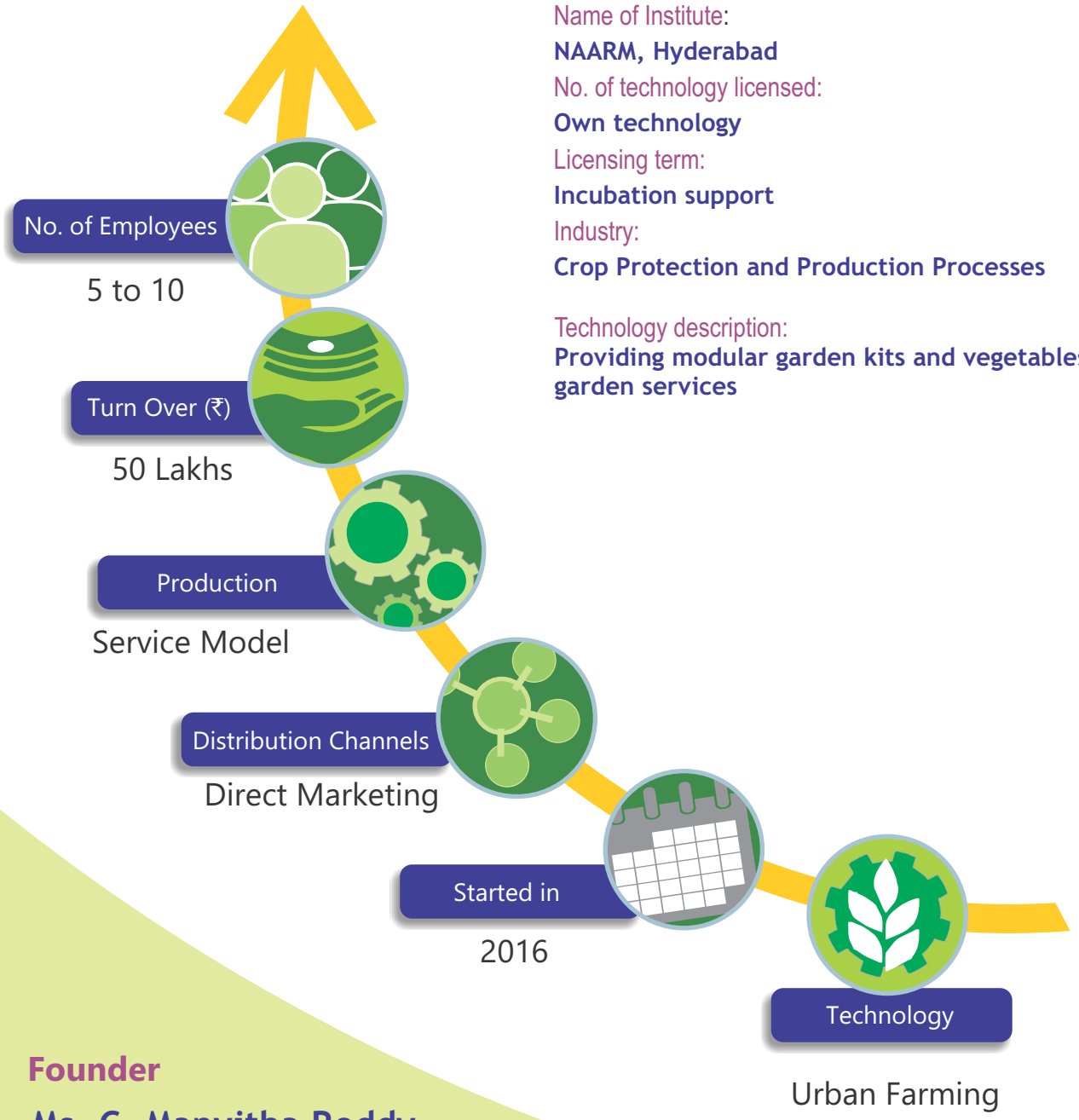


Soil Applicants and Repellents

Founder

Dr. P. N. Rao
PhD
9908801233
pn.rao@genagritech.com

Homecrop



Name of Institute:
NAARM, Hyderabad
No. of technology licensed:
Own technology
Licensing term:
Incubation support
Industry:
Crop Protection and Production Processes

Technology description:
Providing modular garden kits and vegetables garden services

Founder

Ms. C. Manvitha Reddy
MSc
9949148789
manvitha@homecrop.in

Niranthara Flowers

Name of Institute:
IIHR, Bengaluru
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Crop Protection and Production Processes

Technology description:
Process of drying orchid flower to increase shelf life for decorative purposes

Founder

Mrs. Nirmala Raviraj
LLB
8880307813
nirmalar368@gmail.com

Padmavati & VARI Agro Services Pvt. Ltd.

Name of Institute:
IARI, New Delhi
No. of technology licensed:
Own technology
Licensing term:
Incubation Support
Industry:
Crop Protection and Production Processes

Technology description:

Provides better market information to farmers and consumers for agricultural products.

Founder

Mr. Sai Krishna Dandamudi
MS
9440053457
www.vari.co.in

Sekhon Biotech Pvt. Ltd.

Name of Institute:
CPRI, Shimla
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Crop Protection and Production Processes

Technology description:
Process of growing plants in an air-mist environment without soil or an aggregate medium

Founder

Mr. Gurpreet Singh
LLB
9815652360
sekhonbiotech@gmail.com

Silage Agro Pvt. Ltd.

Name of Institute:
NDRI, Karnal
No. of technology licensed:
Own technology
Licensing term:
Incubation support
Industry:
Crop Protection and Production Processes

Technology description:
Manufacturing of Corn Silage 'Nutrimeal'- high energy fodder for dairy animals

Founder

Mr. Rohit Sharda
MBA
8586971135
rohitsharda1410@gmail.com

Stamp IT Business Solutions

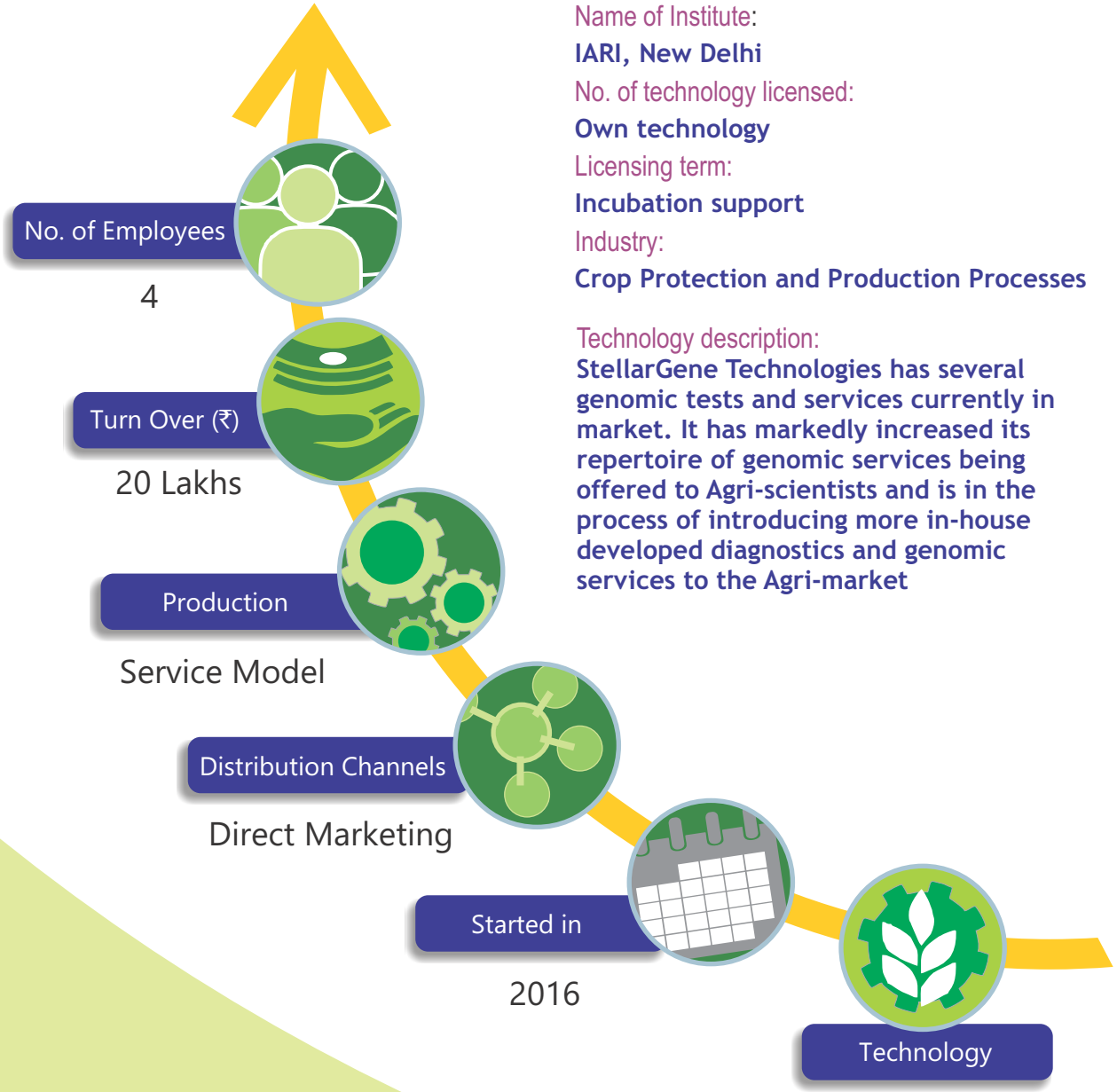
Name of Institute:
NAARM, Hyderabad
No. of technology licensed:
Own technology
Licensing term:
Incubation support
Industry:
Crop Protection and Production Processes

Technology description:
Crop Terrain is a full module, online/Offline, mobile and browser based application that provides a streamlined information flow between field level activities and management vision

Software Module 'Crop Terrain'

Founder
Mr. Krishna Vallapu
BTech
9603047413
krishna@stampit.biz

Stellargene Technologies Pvt. Ltd.



Name of Institute:
IARI, New Delhi
No. of technology licensed:
Own technology
Licensing term:
Incubation support
Industry:
Crop Protection and Production Processes

Technology description:
StellarGene Technologies has several genomic tests and services currently in market. It has markedly increased its repertoire of genomic services being offered to Agri-scientists and is in the process of introducing more in-house developed diagnostics and genomic services to the Agri-market

Founder

Dr. Aparna K. Sapra
PhD
9717049640
www.stellargene.com

Translating the innovations in Genomics to tools which can be used in Agri and Healthcare

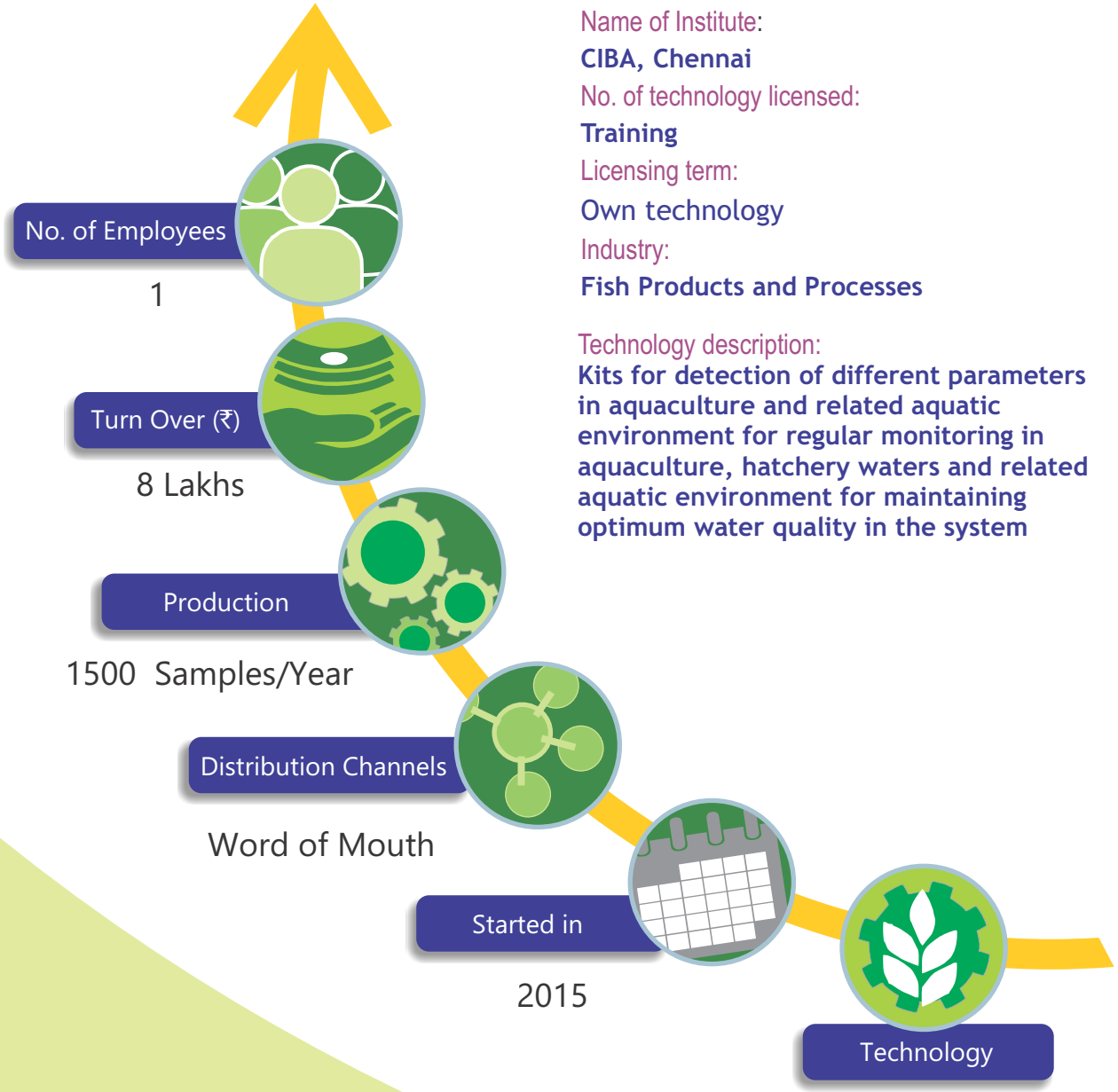
Aura Biotechnologies Pvt. Ltd.

Name of Institute:
CIBA, Chennai
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry
Fish Products and Processes

Technology description:
DNA based nested- Polymerase Chain Reaction (PCR) diagnostic kit for the detection of lethal shrimp pathogen White Spot Syndrome Virus (WSSV)

Founder
Dr. Pazhanimuthu Annamalai
PhD
8056738421
pazhanimuthu@aurabiotech.com

Biometta



Name of Institute:
CIBA, Chennai
No. of technology licensed:
Training
Licensing term:
Own technology
Industry:
Fish Products and Processes

Technology description:
Kits for detection of different parameters in aquaculture and related aquatic environment for regular monitoring in aquaculture, hatchery waters and related aquatic environment for maintaining optimum water quality in the system

Founder

Mr. Maghimai Marcus
MSc
9884090469
maghimaimarcus@gmail.com

Growyield Tech Solutions Pvt. Ltd.

Name of Institute:
NAARM, Hyderabad
No. of technology licensed:
Own technology
Licensing term:
Acceleration support
Industry:
Fish Product and Processes

Technology description:
Solution portfolio has the capacity to monitor aquafarms by sensing water pH, ammonia content, oxygen content and temperature in shrimp ponds

Aqua Monitor and Controller

Founder
Mr. Sudeesh Thatha
BTech
9845222647
sudeesh@growyi.com

Jass Ventures Pvt. Ltd.

Name of Institute:
CIBA, Chennai
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Fish Products and Processes

Technology description:
Development of organic feed for shrimp culture

Founder

Mr. Anil Sasidharan
MSc
9447353273
jassventures@gmail.com

Odaku Online Services Pvt. Ltd.

Name of Institute:
NAARM, Hyderabad
No. of technology licensed:
Own technology
Licensing term:
Acceleration support
Industry:
Fish Product and Processes

Technology description:
Technology for seafood traceability for efficient fishing using integrated technologies

Founder
Mr. Xavier Lawrance
BTech
9443216829
info@odaku.in

Revelations Biotech Pvt. Ltd.

Name of Institute:
CIBA, Chennai
No. of technology licensed:
Own technology
Licensing term:
Incubation support
Industry:
Fish Products and Processes

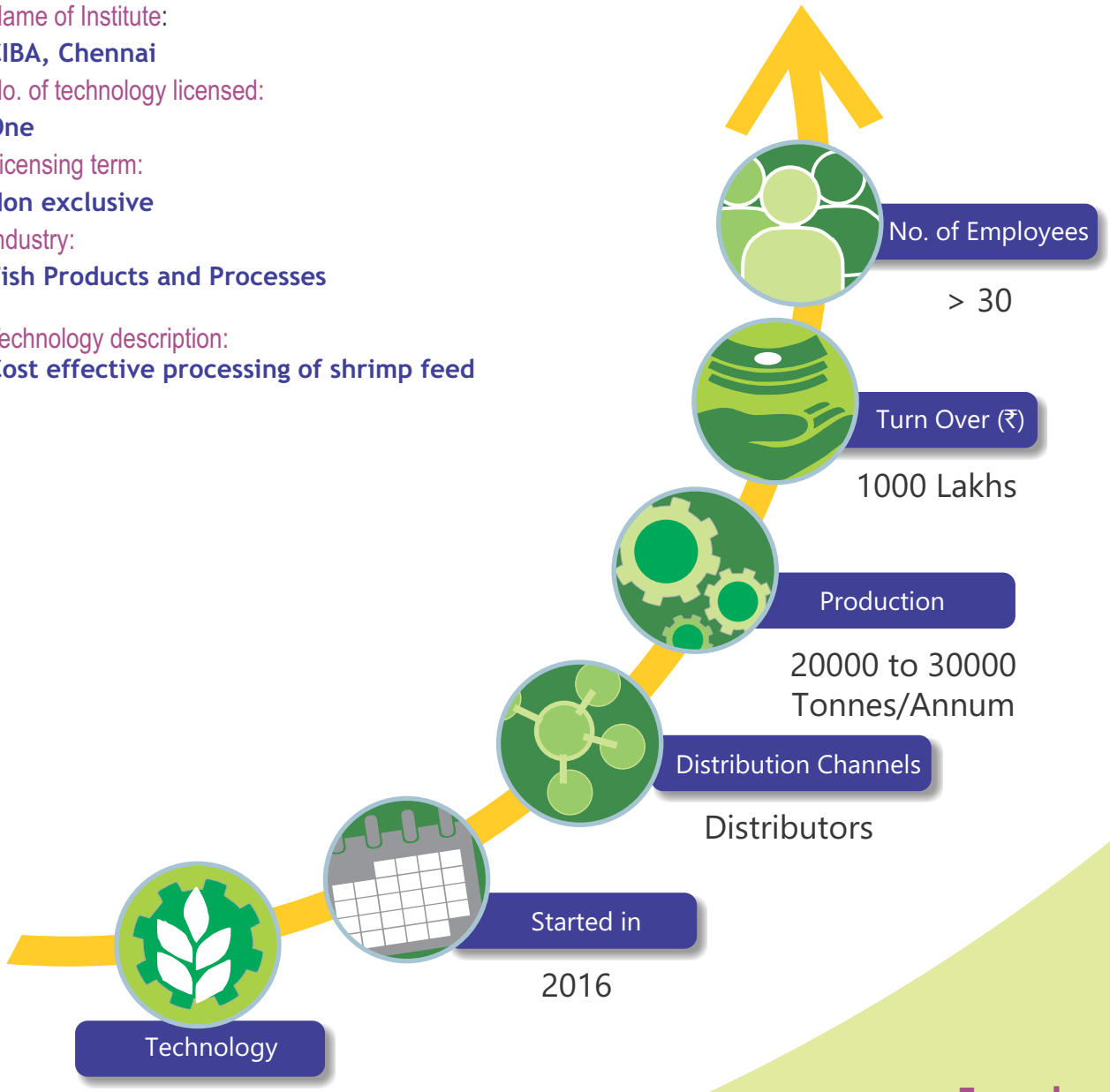
Technology description:
Cost effective processing of shrimp feed

Founder
Dr. Ravichandran Beeram
PhD
9246393968
ravi@revelationsbio.com

Sai Aqua Feeds

Name of Institute:
CIBA, Chennai
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Fish Products and Processes

Technology description:
Cost effective processing of shrimp feed



Founder

Mr. Vijay Marutha Varma
BTech
9440703033
manthenakaruna@yahoo.in

San Isidro

Name of Institute:
CIFT, Kochi
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Fish Products and Processes

Technology description:
Technology on production of organic manure utilizing fish waste

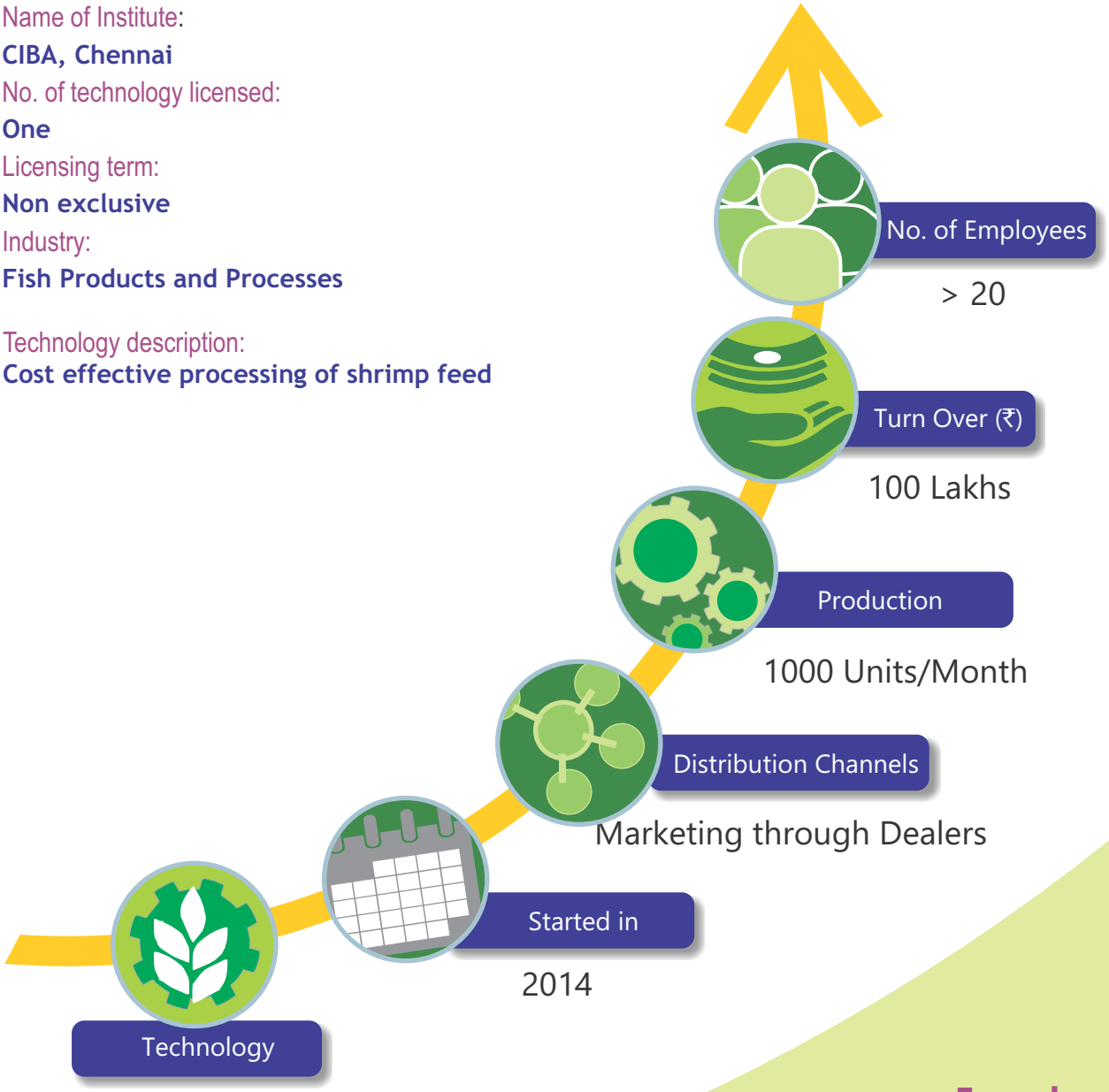
Founder

Mr. Jeffin Jose
BTech
7736211536
jeffinlucky7@gmail.com

Westlandmarine Pvt. Ltd.

Name of Institute:
CIBA, Chennai
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Fish Products and Processes

Technology description:
Cost effective processing of shrimp feed



Founder

Mr. Koduru Manoj Kumar Reddy
MSc
9154445444
manojraddykoduru@gmail.com

Agati Healthcare Pvt. Ltd.

Name of Institute:
NDRI, Karnal
No. of technology licensed:
Own technology
Licensing term:
Incubation support
Industry:
Food Products and Processes

Technology description:
Colustrum powder based colustrum chew and capsules

Founder

Dr. Mamta Sharma
PhD
9967363568
ira91sharma@agatihealthcare.co.in

Agricxlab Pvt. Ltd.

Name of Institute:
NAARM, Hyderabad
No. of technology licensed:
Own technology
Licensing term:
Acceleration support
Industry:
Food Products and Processes

Technology description:
Technology platform that assesses and reports specific parameters of agri produce using images

Founder

Mr. Saurabh Kumar
BTech
9987544399
saurabh.kumar@agricxlab.com

Ascend Exports and Imports

Name of Institute:
CPCRI, Kasaragod
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Food Products and Processes

Technology description:
Coconut chips of different flavours

Founder
Mr. Aishwarya Balaji
ME
9884480171
ascendexin@gmail.com

AVS Agro Life Products

Name of Institute:
CPCRI, Kasaragod
No. of technology licensed:
Two
Licensing term:
Non exclusive
Industry:
Food Products and Processes

Technology description:
Production of virgin coconut oil from coconut milk by fermentation and hot process method and coconut chips with different flavours

Founder

Mr. Viswanath
ME
9740902343
avsagrolife@gmail.com

Ayegrow Business Solutions

Name of Institute:
NRC on Meat, Hyderabad
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Food Products and Processes

Technology description:
Preparation of Value Added Meat Products

Establishment of Value Added Meat Products Processing Unit

Founder

Mr. M. N. R. Chandran
BTech
9846009655
mnr_chandran@yahoo.com

Coco Wings Enterprise Pvt. Ltd.

Name of Institute:
CPCRI, Kasaragod
No. of technology licensed:
Two
Licensing term:
Non exclusive
Industry
Food Products and Processes:

Technology description:
Production of virgin coconut oil from coconut milk by fermentation and hot process method

Founder

Mr. Raju K.
MA
9446463339
cocowingsenterprises@hotmail.com

Delmos Research Pvt. Ltd.

Name of Institute:
NDRI, Karnal
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Food Products and Processes

Technology description:
A rapid paper based strip test has been developed for the detection of maltodextrin in milk. The test can detect presence of 0.05% level of maltodextrin in milk. The test can be used at milk reception centres and also at household

Founder

Mr. Babbar Singh
BTech
8813819899
singh.ndri@gmail.com

Devataru Homes & Foods Pvt. Ltd.

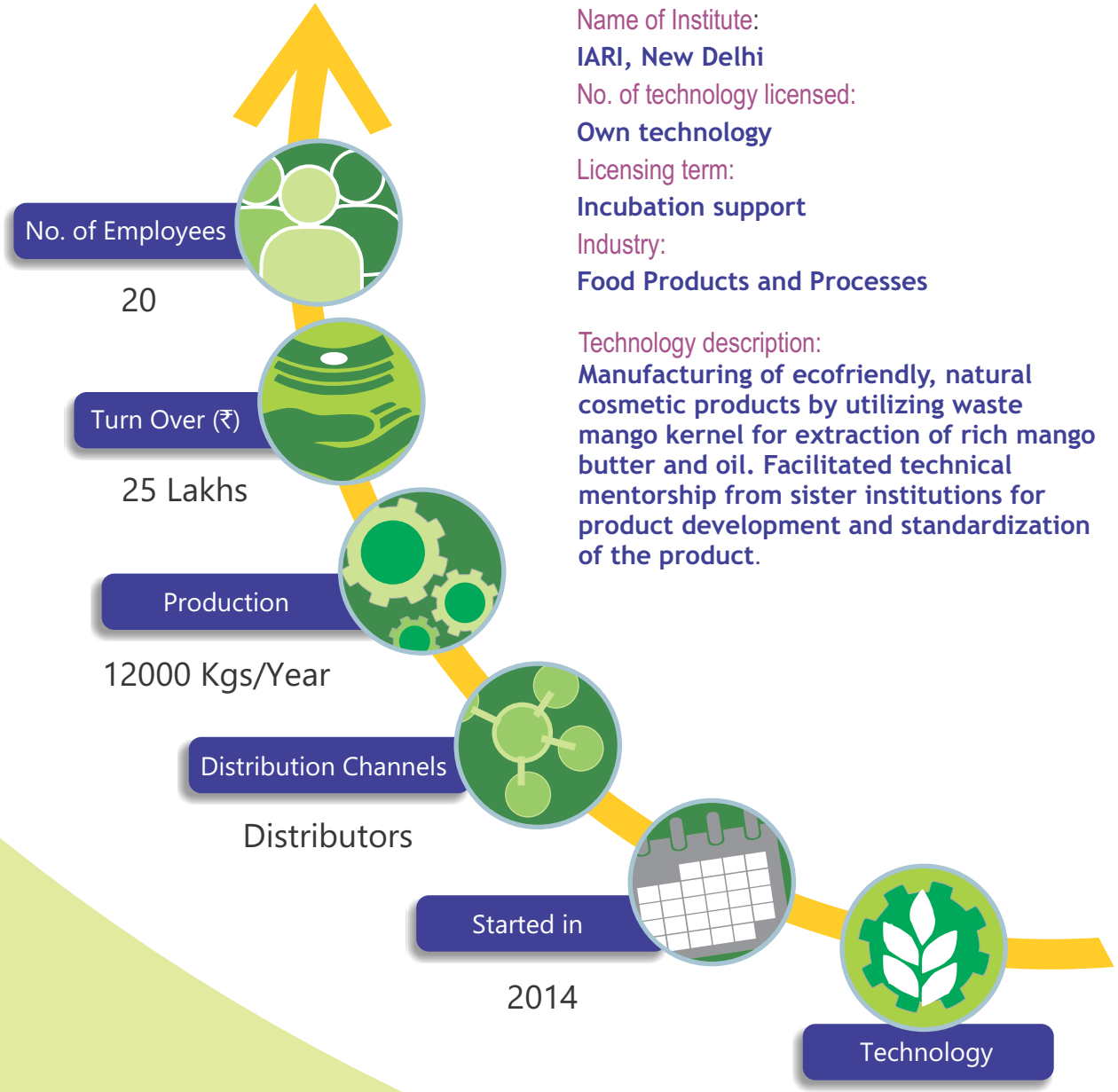
Name of Institute:
IIHR, Bengaluru
No. of technology licensed:
Three
Licensing term:
Non exclusive
Industry:
Food Products and Processes

Technology description:
Osmotically dehydrated fruits with flavour retention, better colour, more nutritious which can be used as dried fruit

Founder

Mr. K. Jagadeesh
MCA
9247942363
jagadeeshkandregub@gmail.com

Ecoventures Pvt. Ltd.



Name of Institute:
IARI, New Delhi
No. of technology licensed:
Own technology
Licensing term:
Incubation support
Industry:
Food Products and Processes

Technology description:
Manufacturing of ecofriendly, natural cosmetic products by utilizing waste mango kernel for extraction of rich mango butter and oil. Facilitated technical mentorship from sister institutions for product development and standardization of the product.

Founder

Ms. Tuba Siddiqui
MSc
9919769079
contact@mittise.com

Oil and Butter from Mango Kernel for Industrial Application

Fountain Head Foods

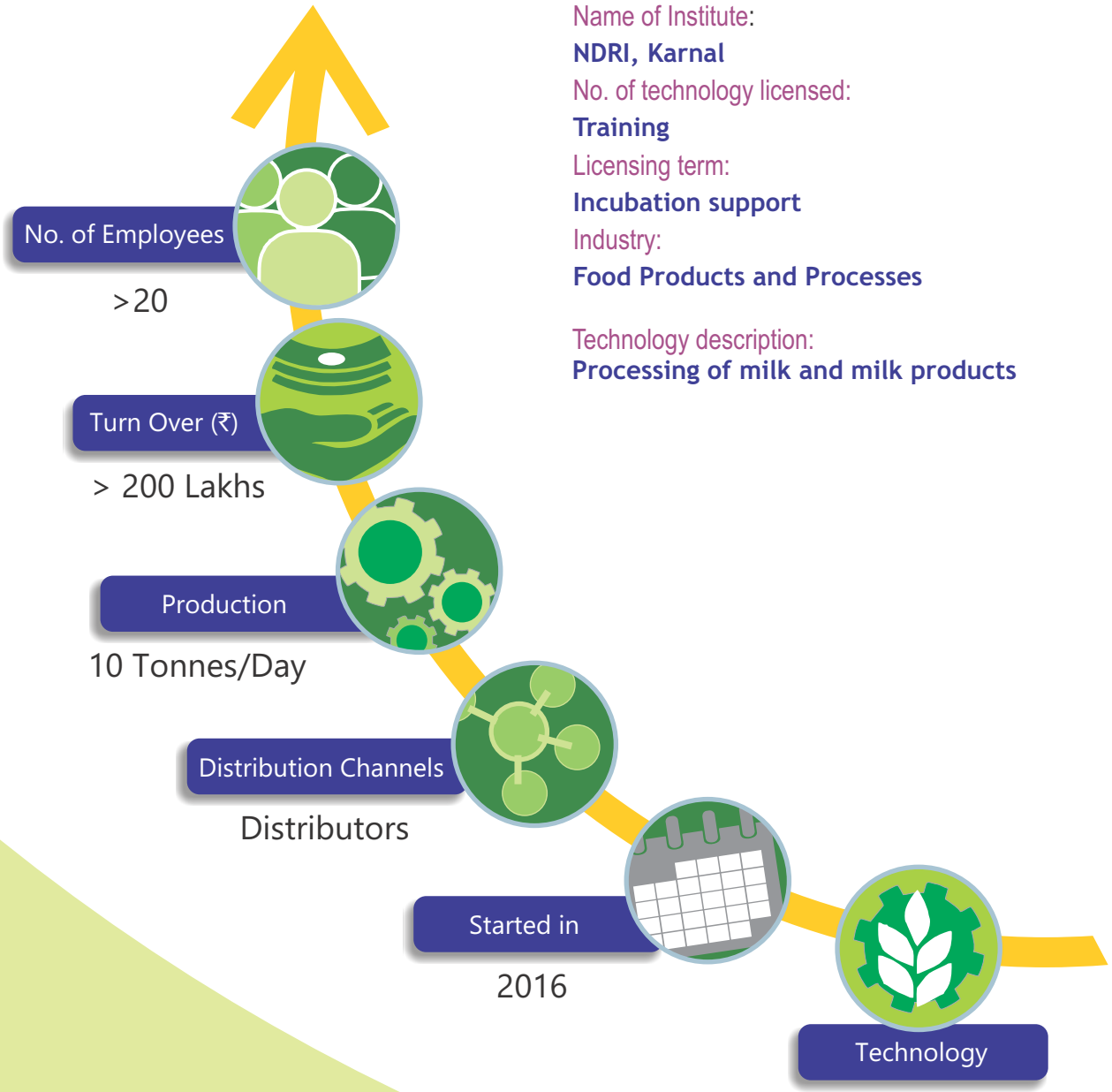
Name of Institute:
IIMR, Hyderabad
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Food Products and Processes

Technology description:
Production of healthy snacks 'pongal mix' using Sorghum flakes

Founder

Mr. Sai Krishna Popuri
BTech
9494470644
krishna@fountainheadfoods.com

Ganpati Desi Products Pvt. Ltd.



Name of Institute:
NDRI, Karnal
No. of technology licensed:
Training
Licensing term:
Incubation support
Industry:
Food Products and Processes

Technology description:
Processing of milk and milk products

Founder

Mr. Ajay Kumar
BSc
9813156782
ganpatidairy@gmail.com

GR Foods & Beverages

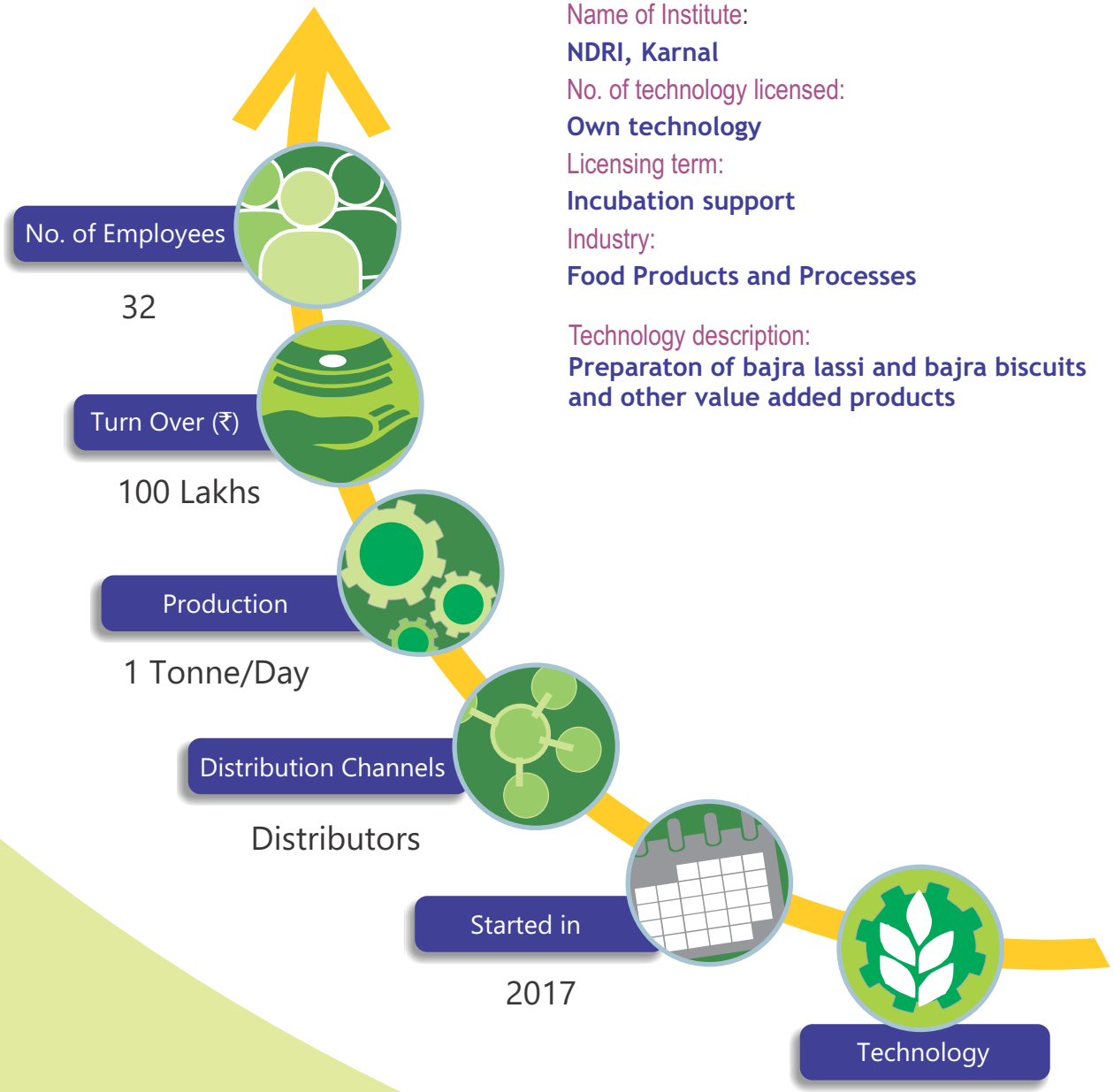
Name of Institute:
CPCRI, Kasaragod
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Food Products and Processes

Technology description:
Production of virgin coconut oil from coconut milk by fermentation and hot process method

Founder

Mr. M. S. Ganesh Kumar
MSc
9133623456
pandugane@gmail.com

Gramkul Producer Company



Name of Institute:
NDRI, Karnal
No. of technology licensed:
Own technology
Licensing term:
Incubation support
Industry:
Food Products and Processes

Technology description:
Preparaton of bajra lassi and bajra biscuits and other value added products

Founder

Mr. Dayakishan
MBA
9899866369
dk.kishan@gmail.com

Hipro Fresh Foods

Name of Institute:
NRC on Meat, Hyderabad
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Food Products and Processes

Technology description:
Processsing technology of meat using spices and herb mixture to increase shelf life

Founder

Dr. Anju
MVSc
9423057911
anjukapre@gmail.com

Hopeblessing Enterprise

Name of Institute:
IIMR, Hyderabad
No. of technology licensed:
Five
Licensing term:
Non exclusive
Industry:
Food Products and Processes

Technology description:
Highly nutritious multigrain atta (flour) and biscuits from millets

Founder

Mr. Philip Ratnam
MA
9810764222
ratnamphilip@gmail.com

Inner Being Wellness Pvt. Ltd.

Name of Institute:
NAARM, Hyderabad
No. of technology licensed:
Eight
Licensing term:
Non exclusive
Industry:
Food Products and Processes

Technology description:
Production of jowar flakes and flour and other value added products using processing technologies on millets

Processing Technology on millets

Founder
Mr. C. S. Jadhav
MBA
9849489799
jadhav@innerbeing.in

Intello Labs Pvt. Ltd.

Name of Institute:
NAARM, Hyderabad
No. of technology licensed:
Own technology
Licensing term:
Acceleration support
Industry:
Food Products and Processes

Technology description:
Reads images, identifies grains and count approximate weight and other parameteres as per Indian standards

Founder

Mr. Milan Sharma
BTech
9818792682
milan@intellolabs.com

Jayani Natural Farm

Name of Institute:
CIPHET, Ludhiana
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Food Products and Processes

Technology description:
The modern methods for preparation of different Aonla products that are hygienic, consume lesser time and provide maximum retention of nutrients. The processes for preparation are standardized with proper preservation

Founder

Mr. Vinod Jayani
MA
9417233521
info@jyaninaturalfarm.com

Jharkhand Milk Products Pvt. Ltd.

Name of Institute:
NDRI, Karnal
No. of technology licensed:
Own technology
Licensing term:
Incubation support
Industry:
Food Products and Processes

Technology description:
Technology for milk processing

Founder

Mr. Rahul Agrawal
BE
9713829191
jmppl2016@gmail.com

Jivabhumi Agri-Tech Pvt. Ltd.

Name of Institute:
NAARM, Hyderabad
No. of technology licensed:
Own technology
Licensing term:
Acceleration support
Industry:
Food Products and Processes

Technology description:
Produce aggregation and food traceability platform for aggregation and to capture information of produce at various level of supply chain

Founder
Mr. Anil Nadig
BTech
9880005093
anil@jivabhumi.com

KAD Bioresources Pvt. Ltd.

Name of Institute:
IARI, New Delhi
No. of technology licensed:
Two
Licensing term:
Non exclusive
Industry:
Food Products and Processes

Technology description:
Innovative agricultural technology for agriculture based entrepreneurial ventures. Tradifo' is synonymous with highest standards of food processing with no addition of any preservatives or artificial flavouring substances with the procurement of chemical and pesticide free raw materials

Founder

Mr. Kundan Kumar
MTech
9311493935
kadbiotech@gmail.com

Tradifo: A Healthy, Natural and Tasty Soya Product

KDS Kunjpura Dairy Farm & Milk Products

Name of Institute:
NDRI, Karnal
No. of technology licensed:
Training
Licensing term:
Incubation support
Industry:
Food Products and Processes

Technology description:
Technology for processing of milk and milk products

Founder

Mr. Ashwani
MBA
9728883247
ashwin1234@gmail.com

Khanna Food Products

Name of Institute:
CIPHET, Ludhiana
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Food Products and Processes

Technology description:
Processed plant based gel was used for making low fat meat emulsion. This gel contribute positively with the emulsion, textural and sensory properties of the meat emulsion and act as a potent fat replacer

Founder

Mr. Gagan Khanna
MSc
9888900900
khannafoodproducts@gmail.com

Low fat meat emulsion and process for making the same

Kunigal Thaluk Coconut Producers Co. Ltd.

Name of Institute:
CPCRI, Kasaragod
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Food Products and Processes

Technology description:
Technology for production of Coconut sugar and Neera collection

Founder

Dr. K. Narayana Gowda
PhD
9731594958
narayanagowda@yahoo.co.in

Magicco Life Care Products

Name of Institute:
CPCRI, Kasaragod
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Food Products and Processes

Technology description:
Technology on production of coconut chips of different flavours

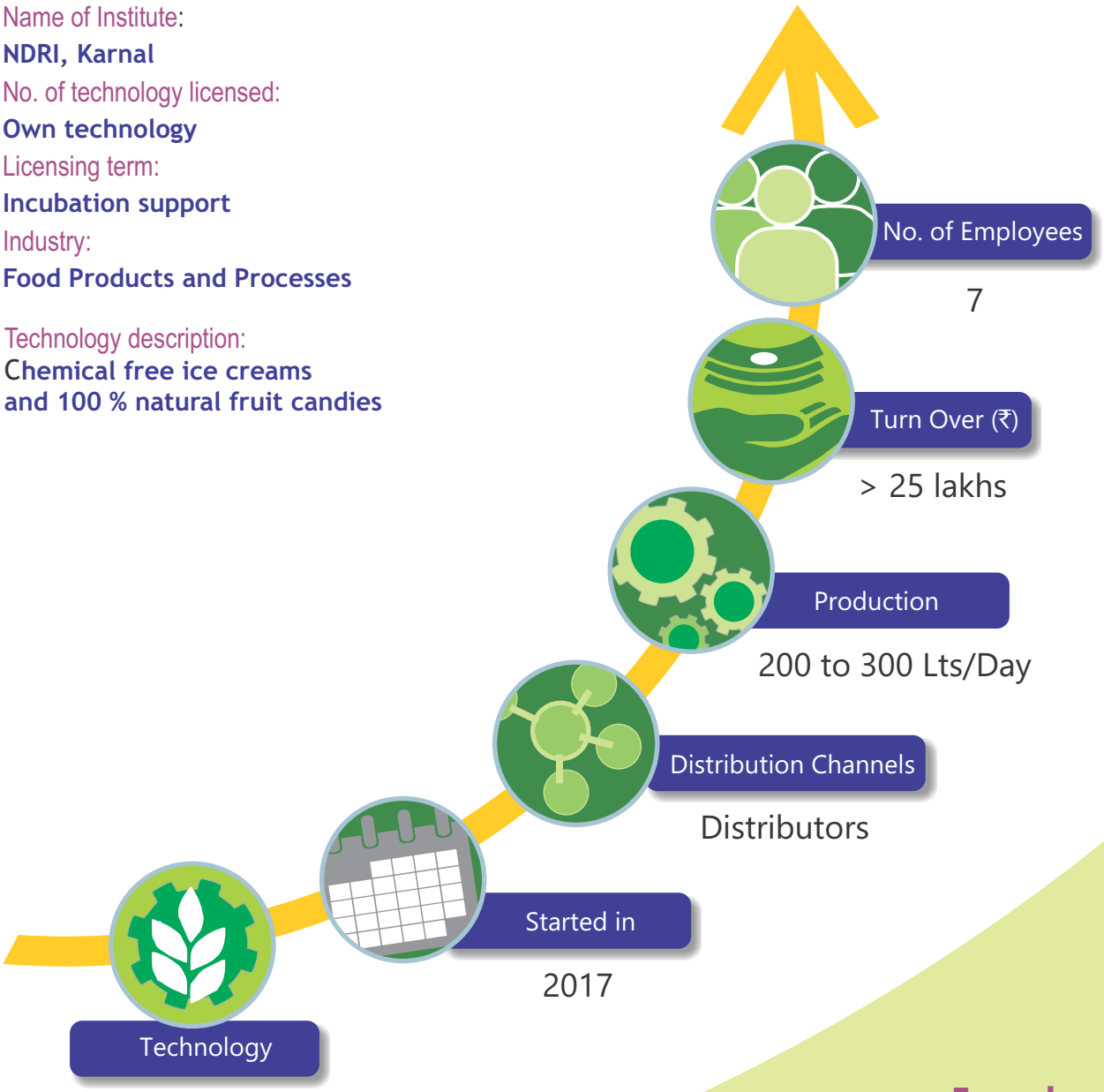
Founder

Mr. Siby Mathew
BA
9447490093
masscare@gmail.com

Mayvhav Foods Pvt. Ltd.

Name of Institute:
NDRI, Karnal
No. of technology licensed:
Own technology
Licensing term:
Incubation support
Industry:
Food Products and Processes

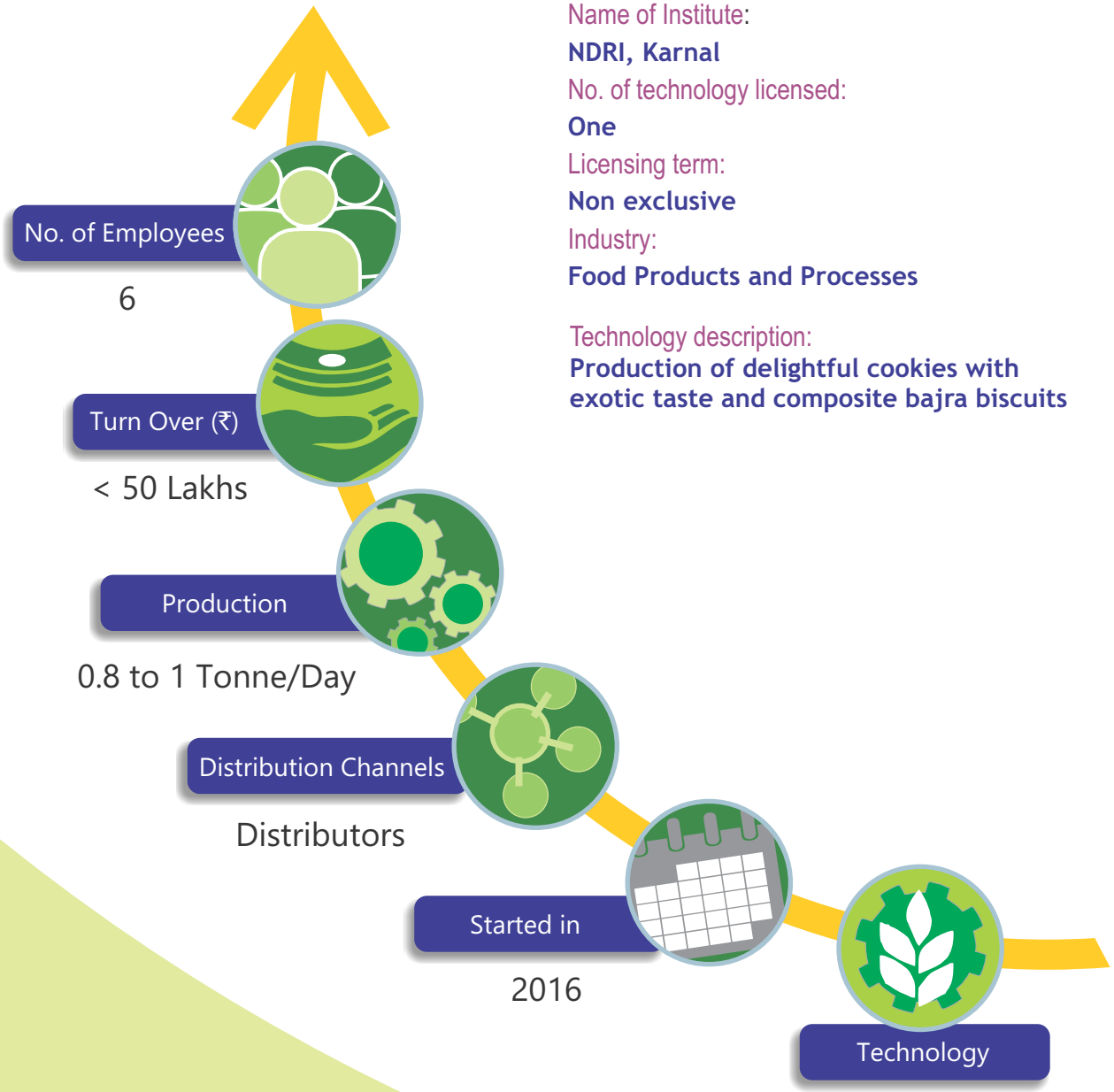
Technology description:
Chemical free ice creams and 100 % natural fruit candies



Founder

Dr. Ishan Ahujan
PhD
7015790557
ahujag_24@yahoo.com

Millark Food Factory



Name of Institute:
NDRI, Karnal
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Food Products and Processes

Technology description:
Production of delightful cookies with exotic taste and composite bajra biscuits

Founder

Mr. Anshul Gupta
BBA
8818855644
millarkfoodfactory@gmail.com

Technology Refinement and Development for Manufacturing Cookies

Millet Bowl Food Products Pvt. Ltd.

Name of Institute:
NAARM, Hyderabad
No. of technology licensed:
Three from PJTSAU(NAIP)
Licensing term:
Incubation support
Industry:
Food Products and Processes

Technology description:
Producing high quality and innovative millet based food products

Founder

Mr. K. R. Sanjay Kumar
BTech
8008142786
milletbowl@gmail.com

Mishti Farmers Producer Co. Ltd.

Name of Institute:
NDRI, Karnal
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Food Products and Processes

Technology description:
Development of whey based functional beverages, milk-millet composite based fermented dairy drink

Founder

Mr. Sanjeev Kumar
Senior Secondary
9729743787
mishtifpo@gmail.com

Muddy Puddle Foods Pvt. Ltd.

Name of Institute:
NAARM, Hyderabad
No. of technology licensed:
Own technology
Licensing term:
Acceleration support
Industry:
Food Products and Processes

Technology description:
100 per cent fruit and vegetable smoothies without sugar or preservatives and without compromising on fibre content

Founder
Ms. Anusha Bhushan
MBA
9920588039
anusha@smoodies.in

Phalada Agro Research Foundation Pvt. Ltd.

Name of Institute:
CPCRI, Kasaragod
No. of technology licensed:
Three
Licensing term:
Non exclusive
Industry
Food Products and Processes:

Technology description:
Production of virgin coconut oil from coconut milk by fermentation and hot process method and flavoured coconut chips

Founder

Mr. Nitin
PGDMA
9916292600
nitinsbhatt@gmail.com

Rani Food Products

Name of Institute:
CPCRI, Kasaragod
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Food Products and Processes

Technology description:
Production of virgin coconut oil from coconut milk by fermentation and hot process method

Founder

Dr. Swaroop V. R.
PhD
9847402034
swaroopvr2@gmail.com

Sakthi Coco Products

Name of Institute:
CPCRI, Kasaragod
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Food Products and Processes

Technology description:
Production of virgin coconut oil from coconut milk by fermentation and hot process method

Founder

Mr. C. M. Kamaraj
MBA
9842251234
sakthicoco@sakthicoco.com

Saro Agri and Dairy Pvt. Ltd.

Name of Institute:
NAARM, Hyderabad
No. of technology licensed:
Own technology
Licensing term:
Incubation support
Industry:
Food Products and Processes

Technology description:
A2 grade milk production for better nutritional quality

Founder

Mr. Srikanth Mannem
BE
7799217922
srikanthmannem7@gmail.com

Sayuri Farms

Name of Institute:
NRC on Pig, Guwahati
No. of technology licensed:
Own technology
Licensing term:
Incubation support
Industry:
Food Products and Processes

Technology description:
Preparation of value addition products like sausages from pig meat

Founder

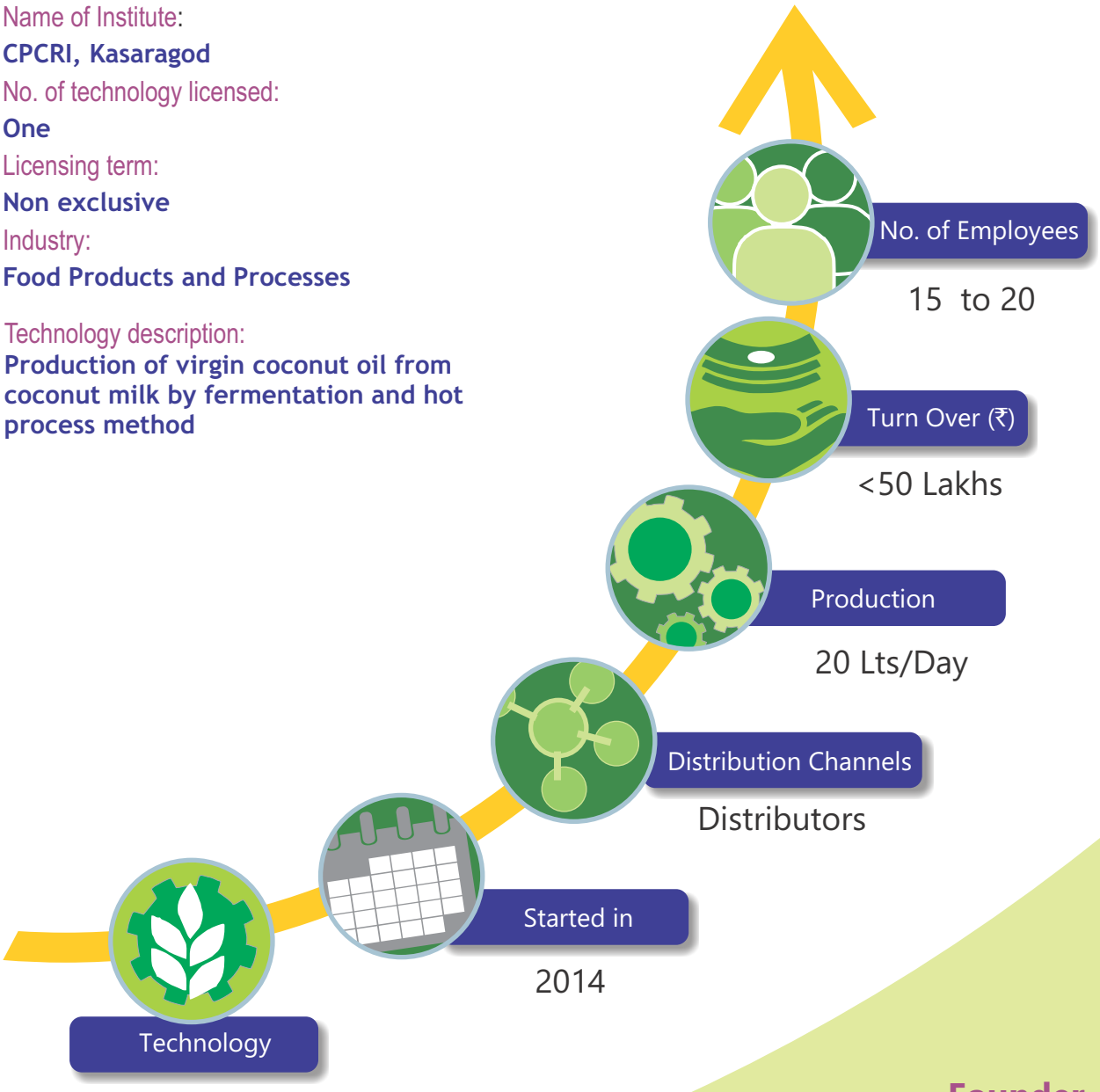
Mr. Manas Kalita
MBA
9435148751
manas_kalita@yahoo.co.in

Technology for Value Added Pork Products

Shreekalpa Industries

Name of Institute:
CPCRI, Kasaragod
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Food Products and Processes

Technology description:
Production of virgin coconut oil from coconut milk by fermentation and hot process method



Founder

Mr. Mahesh Bhat
MBA
9562483595
shreekalpainustries.com

Society for Farmers Development

Name of Institute:
IARI, New Delhi
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Food Products and Processes

Technology description:
Developed processes for six variants of biscuits and launched four variants in the market

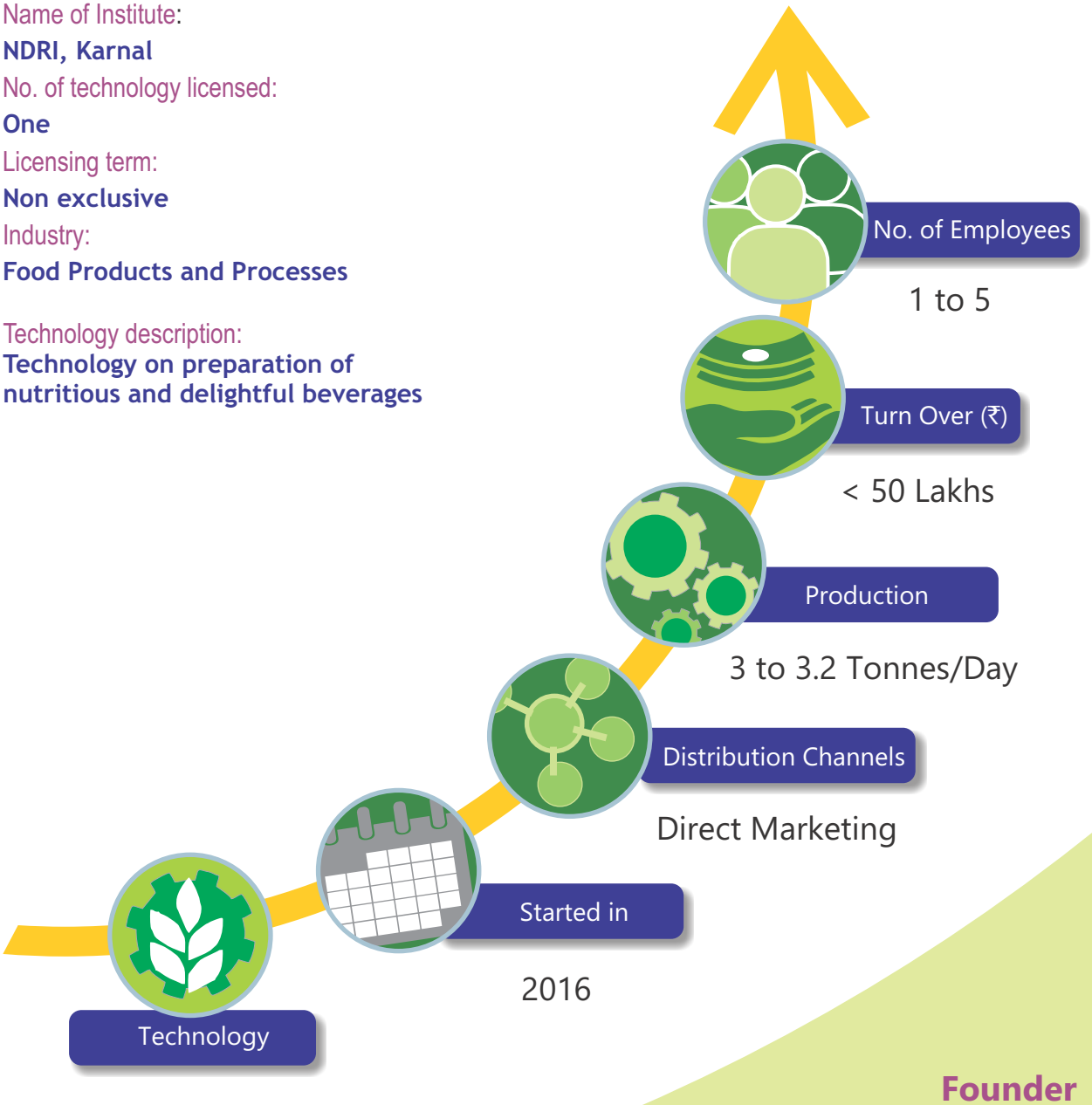
Founder

Mr. Bhopinder Mehta
MSc
9459873461
stdnagwain@gmail.com

Somras Nutri Pvt. Ltd.

Name of Institute:
NDRI, Karnal
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Food Products and Processes

Technology description:
Technology on preparation of nutritious and delightful beverages



Founder

Mr. Mohak Kabaria
BTech
8160048441
mohak@somrasnutri.com

Yukti Harvest Pvt. Ltd.

Name of Institute:
NAARM, Hyderabad
No. of technology licensed:
Own technology
Licensing term:
Acceleration support
Industry:
Food Products and Processes

Technology description:
A value chain model for agriculture produce marketing to link farmers to end customers

Founder

Mr. Kapil Patil
MBA
7008578366
yuktiharvest@gmail.com

ICT solution for rural distibution of perishable agriculture produce

Ananya Seed Pvt. Ltd.

Name of Institute:
IARI, New Delhi
No. of technology licensed:
Thirty five
Licensing term:
Non exclusive
Industry:
Seed and Planting Material

Technology description:
Umbrella licensing agreement for about 30+ vegetable/oilseeds varieties developed by IARI.

Production of High Quality Hybrid/ OP Seeds of Vegetables/Field Crops

Founder
Dr. L. K. Pandey
PhD
9811159584
lkpande@gmail.com

Arpan Seeds Pvt. Ltd.

Name of Institute:
IARI, New Delhi
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Seed and Planting Material

Technology description:
Zero Erucic Acid variety 'Pusa Mustard 30' for enhancing the competitiveness of domestic edible oil

Founder
Mr. Raju Ram
MCom
9999851051
arpan.seeds@yahoo.com

Bhavani Biochemicals

Name of Institute:
IIHR, Bengaluru
No. of technology licensed:
Two
Licensing term:
Non exclusive
Industry:
Seed and Planting Material

Technology description:
A carrier based product containing N fixing, P, Zn solubilizing and plant growth promoting microbes as a single formulation can be conveniently applied either through seed, soil, water or nursery media like coco-peat

Production Technology of
Arka Microbial Consortium
(Solid & Liquid Formulations)

Founder

Mr. Bharath Naik
BE
9880354854
banjaramalan@gmail.com

Cheripurathu Nursery

Name of Institute:
IISR, Calicut
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Seed and Planting Material

Technology description:
IISR-Viswasree is a selection with high shoot regeneration capacity, it gives quality quills. Bark oil, leaf oil and oleoresin contents are high giving good aroma and taste. This variety shows low incidence of fruit rot

Founder

Mr. Tom C. Antony
Senior Secondary
9747252299
cheripurattunursry@gmail.com

Enzys Govindji Bio Labs Pvt. Ltd.

Name of Institute:
IARI, New Delhi
No. of technology licensed:
Own technology
Licensing term:
Incubation support
Industry:
Seed and Planting Material

Technology description:
Production of various ornamental plants through tissue culture

Founder

Dr. Amit Rai
PhD
8130718412
amitrai@gmail.com

Ganpath Products

Name of Institute:
IIHR, Bengaluru
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Seed and Planting Material

Technology description:
A carrier based product containing N fixing, P, Zn solubilizing and plant growth promoting microbes as a single formulation can be conveniently applied either through seed, soil, water or nursery media like coco-peat

Production Technology of Arka Microbial Consortium (Solid & Liquid Formulations)

Founder

Mr. G. Vasantharajan
Senior Secondary
8300859668
ganpathproducts@gmail.com

Greenovate Agro Pvt. Ltd.

Name of Institute:
IIHR, Bengaluru
No. of technology licensed:
Two
Licensing term:
Non exclusive
Industry:
Seed and Planting Material

Technology description:
Arka vegetable & citrus special-crop specific micronutrient technology

Founder

Mr. Pratik Datey
B. Sc. (Agri.)
9730841066
pratikdatey14@gmail.com

Handa Bio Agritech Potato Seeds

Name of Institute:
CPRI, Shimla
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Seed and Planting Material

Technology description:
Process of growing plants in an air-mist environment without soil or an aggregate medium

Founder

Mr. Gauravdeep Singh
BCom
9050081086
hargobind.potatoseed@gmail.com

Jigar Deepak Bhai Patel

Name of Institute:
IISR, Calicut
No. of technology licensed:
Two
Licensing term:
Non exclusive
Industry:
Seed and Planting Material

Technology description:
IISR-Pratibha is high curcumin content, short duration and better yielding variety. IISR-Alleppy Supreme is tolerant to leaf blotch disease, suitable for growing throughout India

Turmeric Varieties IISR Pratibha and IISR- Alleppey Supreme

Founder

Mr. Jigar Deepak Bhai Patel
MA
9824001008
jigar.navkardrugs@gmail.com

JPG BPC Ltd.

Name of Institute:
CPRI, Shimla
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Seed and Planting Material

Technology description:
Process of growing plants in an air-mist environment without soil or an aggregate medium

Founder

Dr. J. S. Minhas
PhD
9465820837
minhas.joginder@gmail.com

Leaf Box

Name of Institute:
IIHR, Bengaluru
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Seed and Planting Material

Technology description:
Ready to fruit bags for oyster mushrooms for easy cultivation at home. The concept is providing the seeded and developed straw bags to the consumers

Founder

Mr. Kiran Raj
MBA
8892534482
airleafbox@gmail.com

Lean Crop Technology Solutions Pvt. Ltd.

Name of Institute:
IISR, Calicut
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Seed and Planting Material

Technology description:
Known for its stable and high curcumin variety (5.02%) subject to the location of cultivation), short duration variety (180 days to harvest). It has 30% and 34% yield increase over national and local turmeric varieties

Founder

Ms. Sai Gole
MTech
9884316188
contact@leanagri.com

Natura Nursery & Agro Products

Name of Institute:
IISR, Calicut
No. of technology licensed:
Two
Licensing term:
Non exclusive
Industry:
Seed and Planting Material

Technology description:
Commercial production of planting material of black pepper variety-IISR Thevam and turmeric variety

Founder
Mrs. Thabeera.K
MA
9495083753
naturanursery1@gmail.com

Nature Agro Producers

Name of Institute:
IISR, Calicut
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Seed and Planting Material

Technology description:
Known for its stable and high curcumin variety (5.02%) subject to the location of cultivation), short duration variety (180 days to harvest).It has 30% and 34% yield increase over national and local turmeric varieties

Founder

Mr. Kasaranenibabu
MBA
7729922333
natureagroproducts@gmail.com

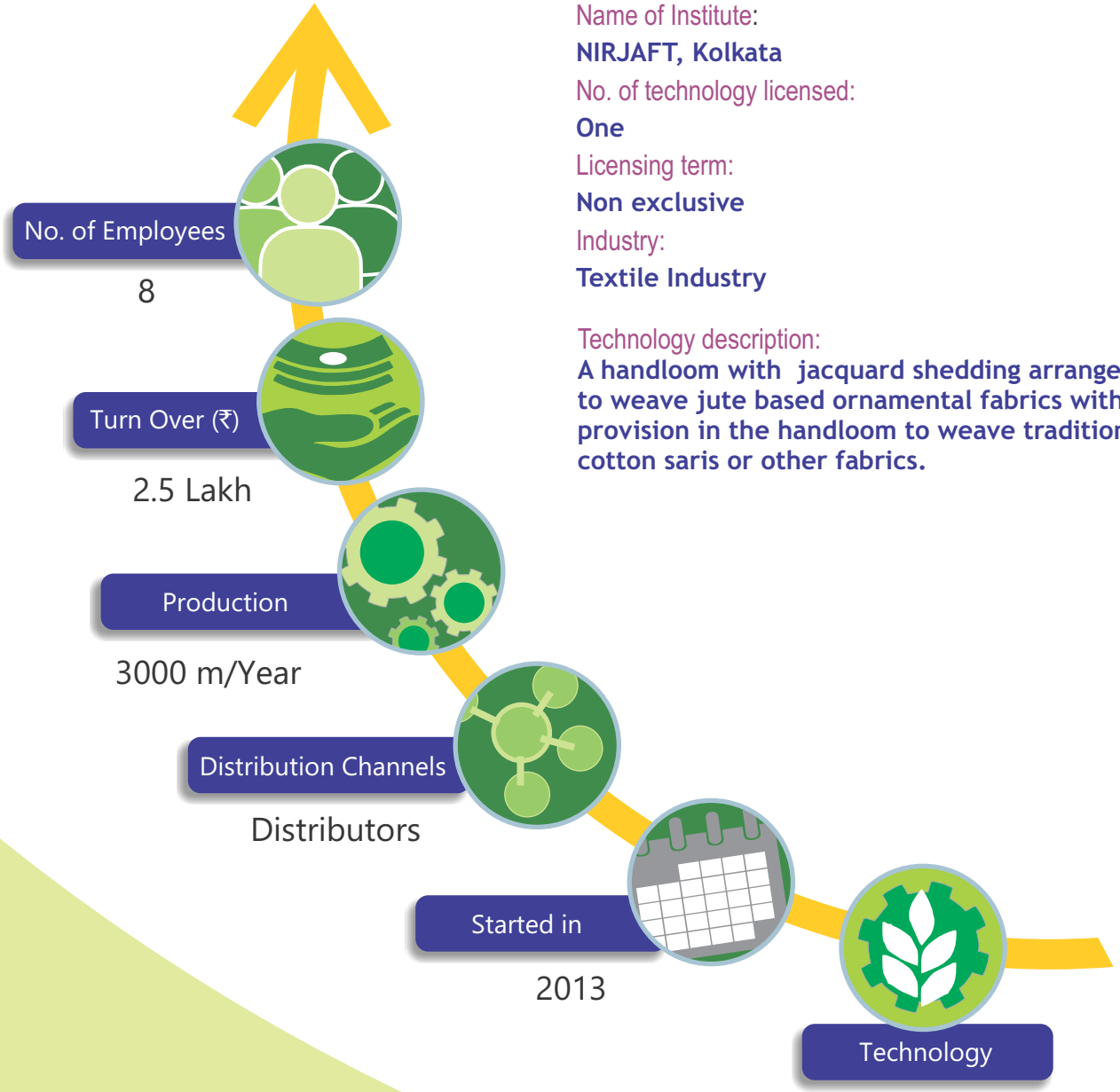
Pluck Fresh

Name of Institute:
IIHR, Bengaluru
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Seed and Planting Material

Technology description:
A protocol to grow and pluck fresh pesticide and chemical free oyster mushroom at the comfort of your home in just one week

Founder
Mr. Kevin
BCom
7022736595
kevin@pluckfresh.com

Fullia Women and Youth Welfare Society



Name of Institute:
NIRJAFT, Kolkata
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Textile Industry

Technology description:
A handloom with jacquard shedding arrangement to weave jute based ornamental fabrics with provision in the handloom to weave traditional cotton saris or other fabrics.

Founder

Mr. Ananta Das
Secondary
8637810914

Green Globe

Name of Institute:
CIRCOT, Mumbai
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Textile Industry

Technology description:
Production of bed linens by treating textile for antibacterial properties

Founder

Mrs. Pratima Uke
BTech
9892070201
greenglobe59@rediffmail.com

Greyy

Name of Institute:
CIRCOT, Mumbai
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Textile Industry

Technology description:
Development of Cotton & Cotton Blend and application of functional finishes to impart antibacterial and moisture management properties

Founder

Mr. Anant Mundra
BE
9819916121
anant@greyy.co

Milltex Ecofibres Pvt. Ltd.

Name of Institute:
NIRJAFT, Kolkata
No. of technology licensed:
Four
Licensing term:
Non exclusive
Industry:
Textile Industry

Technology description:
A handloom with jacquard shedding arrangement to weave jute based ornamental fabrics with provision in the handloom to weave traditional cotton saris or other fabrics.

Founder
Mr. S. Manikandan
BSc
9843010618

RBM Industries Ltd.

Name of Institute:
NIRJAFT, Kolkata
No. of technology licensed:
One
Licensing term:
Non exclusive
Industry:
Textile Industry

Technology description:
A handloom with jacquard shedding arrangement to weave jute based ornamental fabrics with provision in the handloom to weave traditional cotton saris or other fabrics.

Founder

Mr. Sudip Dasgupta
BCom
9831462934

Way forward

This compendium has been brought with the objective to bring light to the rising Agri startups with the support of ICAR based Agri-Business Incubators (ABI). The compilation of 100 Agripreneurs profile and their success stories who took a different path to succeed will encourage more professionals to join the entrepreneurial journey. The book represents Agristartups in various sectors of agriculture viz. Bio Fertilizers and Pesticides, Food processing, Crop Production, Fisheries, Biotechnology, Textiles and Farm Machinery. These young Agripreneurs with dynamic thinking are using technologies developed by the ICAR as well as taking the support of the ABIs for increasing their stakes in the overall value creation in the supply chain ultimately benefitting the farmers.

The data bring out the importance of the role of Technology Business Incubators with enhanced opportunities for nurturing and building new platforms for agri-business and agri-entrepreneurship in the country. Forging formal links and developing partnership with schemes and projects operating under other agencies of Government of India, successful NGOs, professional bodies and associations is one way to take forward the early initiatives and success gained. Accelerating technology transfer process can trigger more agri-based start-ups, and attract more entrepreneurs across the country.

This publication is just a glimpse of the startup ecosystem emerging in Agriculture sector with immense opportunities for leveraging the future investment supporting innovation in agri business.

Back Cover Photos:

Top:

- ICAR Krishi Bhavan

Clockwise from left:

- DG, ICAR inaugurating NAARM-TBI
- DG, ICAR with Startups at FINE Programme in March, 2018
- Director, NAARM receiving Best Emerging Incubator Award on 20th Technology Day on 11th May, 2018
- Startup Entrepreneur in action

Centre:

- Hon'ble President interacting with ICAR supported Startup at FINE Programme in March, 2018

For further details please contact:

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