Prayatan

A Glimpse of IGKV R-ABI



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Credits

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Indira Gandhi Krishi Vishwavidyala, Raipur, Chhattisgarh

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IGKV RKVY- RAFTAAR Agribusiness Incubator (R-ABI)

Foreword by Hon'ble Vice-Chancellor



Dr. S. K. Patil
Hon'ble Vice-chancellor,
IGKV, Raipur

India has a rapidly growing population of 1.3 billion, and is predicted to surpass China as the most populated country in the world by 2024. By 2050, India's annual food grain production would need to grow to 333 million tonnes which is 278 million tonnes today. Despite the fact that the contribution of key food grains in terms of acreage terms in India is 15% whereas the production contribution is only 8.7%. This indicates that there is a huge gap of technological advancement and fulfilment which seems possible only through innovations, technologies developed by entrepreneurs/startups across the value chain. At the same time, not only these innovations need to be growth worthy, it also has to be sustainable in the longer run. The world is witnessing a huge adoption from Investors' communities to support the Agtech startups. In fact, according to AgFunder, a total funding over the five-year period between 2013 and 2017 globally reached $1.66 billion, which appears low compared to the $10 billion raised globally in 2017 alone.

Till date, agri & food entrepreneurs/startup have been focusing on developing the solution in line with the increasing demands of India's growing population which is also in sync with Startup India Initiative launched by Hon'ble PM in 2016. Indira Gandhi Krishi Vishwavidyalaya RKVY RAFTAAR Agribusiness Incubator (IGKV R-ABI), the first agribusiness incubator in the state of Chhattisgarh supported by Ministry of Agriculture & Farmers' welfare, Govt. of India has a mandate to support early stage agripreneurs across the region to take them to next level. I am happy to present a glimpse of 39 Agri-startups incubated with IGKV R-ABI in this coffee table book "Prayaan: a glimpse of IGKV R-ABI" and wishing them a good luck for their future endeavours. I also congratulate entire IGKV fraternity, Head & PI-CEO, Dr. Hulas Pathak and IGKV R-ABI team for successfully launching the flagship ABHINAV & UDBHAV programs. I commend the efforts of Dr. Pathak and his team in consecrating out this very useful publication.

Dr. S. K. Patil

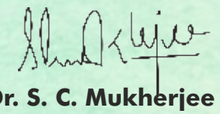
Message by The Director of Extension Services



Dr. S. C. Mukherjee
DES, IGKV, Raipur

India needs a revolution in quality productivity, profitability, and sustainability in agriculture to suffice the needs of growing population. Although in recent years, increased irrigation facilities, application of improved site-specific cultivation and management practices in Indian agriculture has supplied the food demands of human consumption but with the ever increasing population, food security still remains a big challenge. There is a gradual decreased trend in cultivated area, water resources and soil fertility; increased trend in environmental degradation through intensive cropping systems, rising salinity, resistance of harmful organisms to many pesticides and insecticides as well as degradation of quality irrigation water. Even after achieving self-sufficiency in food grains, the profession that represent an important part of our economy and provides livelihood to more than 60% of country's population, continues to face innumerable challenges. I believe, technological innovation and faster adoption can catapult Indian Agriculture to next level.

Indira Gandhi Krishi Vishwavidyalaya has taken a nice initiative by starting an agribusiness incubator with an aim to scout & nurture early stage agripreneurs by providing conducive environment for business growth through mentoring, technology support, access to investors' and corporates. This publication is a coffee table book "Prayaan: a glimpse of IGKV R-ABI" which has a covers IGKV R-ABI's journey so far and short profile of 39 Agripreneurs of the first cohort at IGKV R-ABI. My best wishes to the agri-startups and congratulations to Dr. Hulas Pathak, Head & PI-CEO, IGKV R-ABI and the team for bringing out this publication.



Dr. S. C. Mukherjee

Preface



Dr. Hulas Pathak
Head & PI- CEO,
IGKV R-ABI

INDIRA GANDHI KRISHI VISHWAVIDYALAYA RKVY RAFTAAR Agribusiness Incubator (IGKV R-ABI) is the first & only agri-innovation hub and agribusiness incubator in the state of Chhattisgarh located in Raipur city, India. IGKV R-ABI has been supported by the Department of Agriculture Cooperation & Farmers Welfare (DAC & FW), Ministry of Agriculture & Farmers Welfare, Govt. of India under the revamped scheme Rashtriya Krishi Vikas Yojana – Remunerative Approaches for Agriculture and Allied Sector Rejuvenation (RKVY-RAFTAAR). The incubator has been initiated in March 2019 and got functional since June, 2019. The IGKV R-ABI has a mandate to promote agripreneurship and agribusiness by mentoring, providing business support services, access to financial support and encouraging the incubation ecosystem by nurturing early stage agripreneurs in agriculture and allied activities. IGKV R-ABI aims to help entrepreneurs ideate, incubate and accelerate their innovative early stage startups that are scalable to become competitive food and agri-business ventures through capacity building, mentoring, networking and advisory support.IGKV R-ABI has launched it's flagship program, ABHINAV (Agribusiness Orientation Program) for entrepreneurs contemplating on idea stage and UDBHAV (Agri Incubation Program) for entrepreneurs having working prototype and product in the market. The entrepreneurs were selected through rigorous process on a competitive basis and being incubated since 21st Aug, 19 for 2 months (60 hrs of internship). Our first cohort graduated on 19th Oct, 19 . Based on the startups' progress the selected agri-startups will be recommended for availing the grant-in-aid upto INR 5.0 Lakhs and INR 25.0 Lakhs based on the guidelines received from Department of Agriculture Cooperation & Farmers' Welfare, Ministry of Agriculture & Farmers' Welfare, Govt. of India.IGKV R-ABI is delighted to present a glimpse of its first incubation program in the form of a coffee table book "Prayaan". Our first cohort of 39 Agripreneurs graduated on 19th Oct, 19. I sincerely thank Madam Chhavi Jha, Joint Secretary, RKVY division, DAC & FW, GoI, Dr. Neeru Bhooshan, CEO, Pusa Krishi Incubator, ICAR-IARI, New Delhi and our knowledge partner. I also extend my gratitude to Dr. S.K. Patil, Hon'ble Vice-Chancellor, IGKV, Raipur for his leadership, guidance, and support. I also would like to congratulate my IGKV R-ABI team for wonderfully pooling out the resources and meticulously executing the incubation program since start.

I am sure that this effort to showcasing the briefs of Startups nurtured by IGKV R-ABI would foster a culture of innovation and entrepreneurship in agriculture sector and contribute to the enrichment of the startup ecosystem in the state of Chhattisgarh and India.

I wish all the startups very best in their future endeavours.



Dr. Hulas Pathak

About IGKV

Indira Gandhi Krishi Vishwavidyalaya, established on 20 th January 1987, is an autonomous nonprofit, research and educational organization working for the up-liftment of farmer's livelihood of Chhattisgarh. Education, Research and Extension are the major activities coordinated through agriculture, veterinary, dairy and agricultural engineering faculties and Directorates of instruction, research and extension. Grant in aid is received from ICAR, State Government and international agencies.

MANDATES

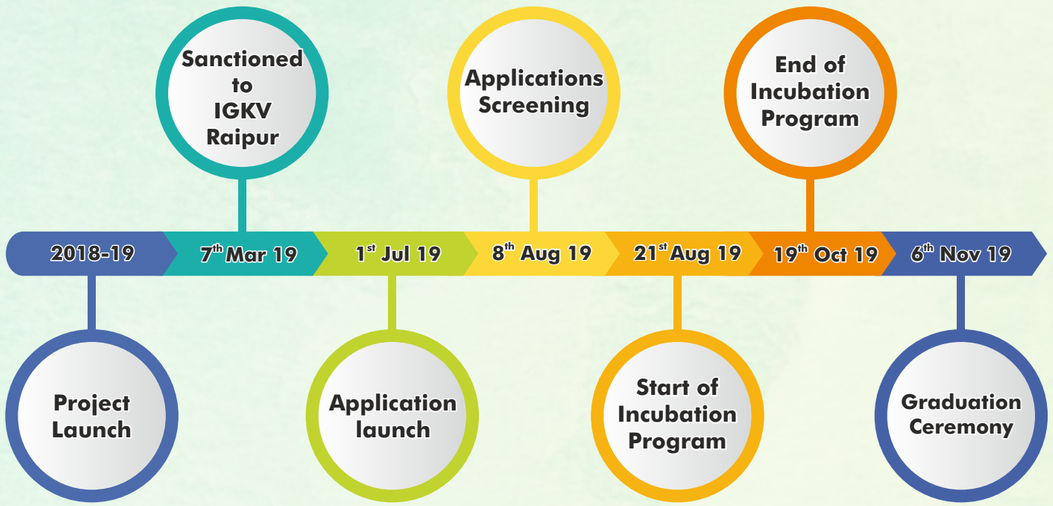
1. Undertake basic, applied and adaptive research to evolve appropriate solution and technology
2. Diversification of crops and farming systems.
3. Collaboration with the state, national and international research institution
4. Imparting knowledge and education to the people engaged in agriculture and allied fields
5. Developing educational and research networks in agriculture and allied field for the state agriculture and allied sectors

About IGKV R-ABI

RKVY RAFTAAR Agribusiness Incubator (R-ABI) is an agri-innovation hub and agri-business incubation centre of Indira Gandhi Krishi Vishwavidyalaya, Raipur Chhattisgarh India. Operationalized as a project, it is supported by the Department of Agriculture, Cooperation & Farmers Welfare (DAC & FW), Ministry of Agriculture & Farmers Welfare, Govt. of India under the revamped scheme Rashtriya Krishi Vikas Yojana – Remunerative Approaches for Agriculture and Allied Sector Rejuvenation (RKVY-RAFTAAR). The project has been launched in 2018-19 and sanctioned to Indira Gandhi Krishi Vishwavidyalaya, Raipur for the year 2018-19 and 2019-20 upto 31st March 2020. The University was sanctioned this project on 7th March 2019. The Project aims at strengthening infrastructure to promote agripreneurship and agribusiness by providing financial support and nurturing the incubation ecosystem by tapping innovations and technologies for venture creation in agriculture and allied activities.



The Genesis of IGKV R-ABI



VISION

- To foster Agri-Innovation & Agri-preneurship for pronounced transformation in agriculture and allied Sectors.

MISSION

- To be the best hub of agribusiness incubation in central India
- To empower the Indian agri-startup ecosystem through Agri-innovation & Agri-preneurship
- To transform the job seekers into job creators

IGKV R-ABI Programs

Abhinav 2019: Driving Ideas In Agri Innovation

Key Benefits



Grant-in-aid Upto ₹ 5 Lacs

8 Week Workshop

Mentorship From Experts

Modern Research Laboratories

Workshop Stipend ₹ 10,000 Per Month

Highlights

- A Pre-seed Agripreneurship Orientation Program (AOP)
- 2 months (60 hours) training cum hands-on internship
- Convert an innovative idea into prototype/product

IGKV R-ABI Programs

Udbhav 2019: Propelling Agri Startups For Commercialization

Key Benefits



Grant-in-aid Upto ₹ 25 Lacs

8 Week Workshop

Mentorship From Experts

Modern Research Laboratories

Highlights

- Seed stage funding Agripreneurship Incubation Program (AIP)of R-ABI
- Grant-in aid of maximum up to Rs. 25 lakhs with Minimum Viable Product (MVP)
- Assist the incubates to launch their products/services/business platforms
- Support start-ups to attract investments from angel/venture capitalists

Focus Sectors


IOT & AI in Agriculture


Processing & Value Addition


Organic Farming


Agri Waste To Wealth


Supply Chain Management


Bio-Agents & Bio-Fertilizers


Ornamental Aquaculture


Farm Retailing


Crop Management


Floriculture & Landscaping


Bio-Agents & Bio-Fertilizers


Agricultural Engg. & Farm Mechanism


Protected Cultivation & Precision Farming


Post Harvest Management


Seed Production

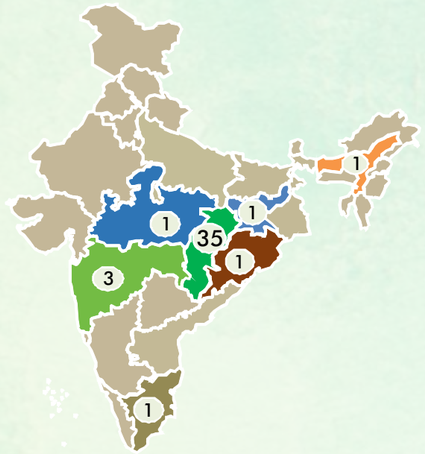
A Diverse First Cohort

Abhinav

- 102 Ideas
- 65 Presented
- 28 Selected

UDBHAV

- 42 Business
- 30 Presented
- 15 Selected



- Chhattisgarh
- Maharashtra
- Assam
- Jharkhand
- Tamilnadu
- Madhya Pradesh
- Odisha

33 ← → 10

IGKV R-ABI Agripreneurs



Kunal Sahu
Age - 24
City : Raipur
Focus sector : Organic Farming



Yogesh Kumar Singh
Age - 43
City - Raipur
Focus sector – Protected Cultivation and Precision Farming



Ankit Katakwar
Age - 21
City – Janjgir Champa
Focus sector – Waste to Wealth



Hemlata Deshmukh
Age - 26
City - Bhilai
Focus sector - Processing and Value Addition



Lalit Kumar
Age - 24
City - Raipur
Focus sector – Supply chain Management



Kritagya Vishwakarma
Age – 25
City - Korba
Focus sector – Agri Biotech



Vandana Churendra
Age - 25
City - Bhilai
Focus sector – Ornamental Aquaculture



Chandresh Choudhary
Age - 31
City - Raipur
Focus sector - Processing and Value Addition



Akanksha Jain
Age - 31
City - Raipur
Focus sector – Agri Waste to Wealth



Shailesh Verma
Age - 26
City - Durg
Focus sector – Ornamental Aquaculture



Manish Sahu
Age - 21
City - Gariyaband
Focus sector – Processing & Value addition



Vedant Khandelwal
Age - 19
City - Raipur
Focus sector - IOT and AI in Agriculture

IGKV R-ABI Agripreneurs



Harshaj Singh Tuteja
Age - 23
City - Raipur
Focus sector – Post-Harvest Management



Lakshmi Dhruv
Age - 37
City - Balod
Focus sector – Post Harvest Management



Pooja Dubey Pandey
Age - 36
City - Indore
Focus sector –Agri Waste to Wealth



Ilamurugu Muthu
Age - 42
City - Chennai
Focus sector - – IOT and AI in Agriculture



Sumita Panjwani
Age - 52
City - Dhamtari
Focus sector – Agri Waste to Wealth



Manish Kumar Agrawal
Age - 26
City - Bhilai
Focus sector - – IOT and AI in Agriculture



Jay Kumar Sahu
Age - 20
City - Raipur
Focus sector - – IOT and AI in Agriculture



Aditya Niyogi
Age - 21
City – Raipur
Focus sector - – IOT and AI in Agriculture



Ashutosh Verma
Age - 25
City - Durg
Focus sector - Ornamental Aquaculture



Ankur Sinha
Age - 20
City - Raipur
Focus sector - – IOT and AI in Agriculture



Akhilesh Kumar Tiwari
Age - 28
City - Raipur
Focus sector - – IOT and AI in Agriculture



Mamta Dhurde
Age – 38
City - Raipur
Focus sector – Processing and Value Addition

IGKV R-ABI Agripreneurs



Anand Kumar Tamrakar
Age -44
City - Raipur
Focus sector – Bio-agents, Bio fertilizers and Nano fertilizers



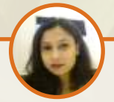
Surjyoti Sujalchandra Bagchi
Age -52
City - Nagpur
Focus sector - Bio-agents, Bio fertilizers and Nano fertilizers



Yogesh Kumar Sonkar
Age - 30
City - Durg
Focus sector – Soil and water conservation



Satish Kumar Mehto
Age - 29
City - Ranchi
Focus sector – Supply chain Management



Ambika Satpathy
Age - 29
City – Kalahandi, Odisha
Focus sector – Supply chain Management



Jayanti Mahapatra
Age - 41
City - Pune
Focus sector – Animal Husbandry and Meat Processing



Dev Garg
Age - 42
City - Raipur
Focus sector – Aromatic and Medicinal Plants



Deepak Dhruw
Age - 30
City - Jagdalpur
Focus sector – IOT and AI in Agriculture



Durgesh Ganjir
Age - 34
City - Balod
Focus sector - Processing and Value addition



Shiv Govind Singh
Age - 35
City - Dantewada
Focus sector - Processing and Value addition

IGKV R-ABI Agripreneurs



Purshottam Naik
Age - 46
City - Raipur
Focus sector – Mushroom Cultivation



Sourav J Sarma
Age - 23
City - Assam
Focus sector – Processing and Value addition



Jai Kumar Sao
Age - 49
City - Raipur
Focus sector – Animal Husbandry



Dr Sunila Kumari
Age - 38
City - Pune
Focus sector – Crop Management



Purshottam Lal Sahu
Age - 43
City - Gariyaband
Focus sector - Aromatic and Medicinal Plants

IGKV R-ABI Team



Dr. Hulas Pathak
PhD (Agri.Economics), MDP (IIM-A), MDP (IIM-L)
Head & Principal Investigator – Chief Executive Officer (PI-CEO)
RKVY RAFTAAR Agri-Business Incubator (R-ABI),IGKV
Dept. of Agribusiness & Rural Management
College of Agriculture, IGKV, Raipur, CG



Ajit Kumar
Business Manager
An agribusiness professional having 5 years of experience in agriculture finance & fostering entrepreneurship in agriculture.



Dr.Archit Nayak
Business Executive
An agribusiness professional having 2 years of experience into Agri marketing and education



Sonali Joshi
Office Assistant
M. Com. Grad with 2 years of work experience



Abhijeet Sharma
Assistant Manager
A Marketing and business consulting professional having 11 years of experience into marketing, strategy and consulting



Sonal Chourasia
Business Executive
M. Tech (Agril. Engg.)
An Agricultural Engineer with major in Water resource Engineering and Soil conservation.



Sandeep Sahu
Support Staff
B.Tech (Agril. Engg.)

A Glimpse of Incubation Program



Workshops, Sessions, Activities, Ceremony











IGKV R-ABI & Incubates News & Media Coverage

Leading Newspapers Covering IGKV R-ABI



IGKV R-ABI and Incubates covered by IBC24 Channel



IGKV R-ABI Incubates Coverage In Newspapers

