



**NHEP-IDP**



**University of Horticultural Sciences Bagalkot**

**A Report on**

# **All India Agri Start-up Convention 2022**

**18<sup>th</sup> – 20<sup>th</sup> Oct, 2022**



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NAHEP-IDP



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UNIVERSITY OF HORTICULTURAL SCIENCES, BAGALKOT

ALL INDIA AGRI START-UP CONVENTION - 2022

18<sup>th</sup> to 20<sup>th</sup> October, 2022

Our Partners



Our Partners



ALL INDIA AGRI STARTUP CONVENTION 2022

# All India Agri Start-up Convention - 2022

Organized by: NAHEP-IDP Project, University of Horticultural Sciences, Bagalkot  
18, 19 and 20 Oct, 2022

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## Programme Agenda

The University of Horticultural Sciences, Bagalkot (UHSB), Karnataka, is one of the most reputed institutes in the Horticulture sector operating in 24 districts of Karnataka with 9 constituent colleges and 12 research stations. It is imparting quality education, supported by the research of international standards. The technologies and knowledge are effectively disseminated through extension activities to the stakeholders. Further, to improve the quality of undergraduate education and faculty upscaling and inculcating entrepreneurial capabilities among the graduating students, the university has been endowed with the ICAR-NAHEP Institutional Development Plan (IDP) project, funded by the world bank.

Under the NAHEP-IDP, UHS, Bagalkot organised the All India Agri Start-up convention from 18-20 October 2022 to bring together all stakeholders; budding agripreneuers, industrialists, farmers, business incubators, research institutions on a single platform to present and share their innovations, experience, expertise, business models and success stories of Agri Start-ups. The event was organised into six technical sessions, inviting academicians, industrialists and entrepreneurs to discuss entrepreneurial opportunities and challenges in the agriculture sector. The University also arranged multiple events such as incubating start-ups at the UHS Technology Business Incubation, launching entrepreneurs' products, Agri-startup exhibitions, hackathons and oral and poster presentations to motivate and support the students and budding entrepreneurs.

More than 500 students from different universities in Karnataka, Andhra Pradesh, Tamil Nadu, Maharashtra, Gujarat, Tamil Nadu, Rajasthan and Jammu and Kashmir attended the event. In addition, 52 start-ups showcased their products and ideas in the Agri-Start-up exhibitions

## Sponsors Details

Sl. No.	Company	Sponsorship Amount (Rs.)
01.	Waycool Foods and Products Pvt. Ltd., Bengaluru	3,00,000.00
02.	Karnataka Innovation and Technology Society, Bengaluru	3,00,000.00
03.	Karnataka Udyog Mitra, Bengaluru	2,50,000.00
04.	Globus Infocomm Ltd. Noida, Uttar Pradesh	2,16,000.00
05.	State Bank of India	2,00,000.00
06.	National Bank for Agriculture and Rural Development - NABARD	2,00,000.00
07.	Karnataka State Agricultural Produce Processing and Export Corporation Limited-(KAPPEC), Bengaluru	1,00,000.00
08.	Multiplex Drone Pvt. Ltd. Bengaluru	50,000.00
09.	Canara Bank, Bagalkot	25,000.00
10.	Centre for Cellular and Molecular Platforms (C-CAMP), Bengaluru	25,000.00
11.	SNF Technology, Mamadapur, Bijapur	25,000.00
12.	Navadhanya Seeds, Bagalkot	25,000.00
13.	Natura crop care, Bengaluru	25,000.00
14.	New India Publishing Agency, Genx Electronics Resources and Solutions Pvt. Ltd., New Delhi	25,000.00
15.	Prahitha Agro Private Limited, Rakshi Grus Ecosciences Pvt Ltd., Bengaluru	15,000.00
16.	Kenchannavar Oil Mill, Bagalkot	10,000.00
17.	Trinity Enterprises, Hubli	5,000.00



## INAUGURATION PROGRAMME SHEET

**Date: 18-10-2022**

**Time: 11.00 am**

Time	Event	Speaker
09.30 am -11.00 am		<b>Registration</b>
11.00 am -11.05 am	<b>Nada Geethe</b>	<b>Students,</b> CoH, Bagalkot
11.05 am -11.10 am	<b>Welcome Address</b>	<b>Dr. N. K. Hegde,</b> DoE, UHS Bagalkot
11.10 am -11.15 am	<b>Preamble</b>	<b>Dr. R. K. Mesta,</b> Organizing Secretary
11.15 am -11.20 am	<b>Inauguration</b>	<b>Dr. R. C. Agrawal</b> Hon'ble DDG (Agril Education) &ND, NAHEP, ICAR, New Delhi and other dignitaries
11.20 am -11.35 am	<b>Inaugural Speech</b>	<b>Dr. R. C. Agrawal</b> Hon'ble DDG (Agril. Education) & ND, NAHEP, ICAR, New Delhi
11.35 am -11.45 am	<b>Release of Compendium of Abstracts &amp; Chief Guest Address</b>	<b>Dr. Veeranna Charanthimath</b> Hon'ble Member of Member of Legislative Assembly, GOK
11.45 am -11.50 am	<b>Handing over key to Incubatees (By Dignitaries)</b>	
	Niranjana Prabhu K J, Ecophytocare India Private Limited	
	Md Azhar Bintory, Garden Mirchi	
	Aishwarya Koparde, Vintage Hunt	
11.50 am -12.00 pm	<b>Product / Digital Platform Launch (By Dignitaries)</b>	
	1. CHEFT, Devihosur	
	2. Farmitopia	
	3. Safe Natural Farming	
	4. Nandi Organic Farm House	
12.00 pm-12.10 pm	<b>Address by Chief Guests</b>	<b>Shri P. H. Pujar</b> Hon'ble Member of Legislative Council, Bagalkot
12.10 pm-12.20 pm		<b>Dr. R. C. Jagadeesha</b> Hon'ble Vice Chancellor, KSNUAHS, Shivamogga
12.20 pm-12.30 pm		<b>Dr. M. Shivamurthy</b> Hon'ble Board Member & ICAR- Emeritus Scientist, UAS, GKVK, Bengaluru
12.30 pm-12.40 pm	<b>Felicitation to dignitaries</b>	
12.40 pm-12.50 pm	<b>Presidential Address</b>	<b>Dr. K. M. Indiresh</b> Hon'ble Vice Chancellor, UHS Bagalkot
12.50 pm-12.55 pm	<b>Vote of Thanks</b>	<b>Dr. I. B. Biradar</b> Co-PI, NAHEP-IDP, UHS Bagalkot
National Anthem		

## Inauguration: 18<sup>th</sup> Oct, 2022

The convention was inaugurated Dr. R. C. Agarwal: DDG (Education) and National Director NAHEP, ICAR. While delivering the inaugural speech, he congratulated the university for efficiently handling the objectives of IDP programme. He addressed the gathering about the importance of agriculture universities as there are more than 74 ICAR Agri universities and more than 50



private universities in which more than 2 lakhs students are studying, there is more scope for agri start-ups in future. He said that we can shape the future of the students in the fields of agri start-ups. He opined that government don't want to make students as a machine, but instead want to make them



successful entrepreneurs. For this agri start-ups play a major role in building the students future. For this we have to change our life style, we have to be more practical oriented. He added that to become a successful person, we have to do meditation, which can control our mind and direct our mind towards positivity. He also expressed that in future meditation can be added as part of course curricula. He shared his views on recent developments in Artificial intelligence, IOT, Robotics, which are the future courses. He expressed that there is a need to to prepare students for future developments

so to shift our country from the list of developing to developed countries. Many of the agri start ups are owned by non agril graduates, so more scope is there to agril students. so need to support our students to come out with agri start up schemes. At last, he stated that I believe in learning than teaching and young minds can change the world.

A compendium of abstracts of participants on different agri-business ideas and success stories was released by Dr. Veeranna Chananthimath, the Hon'ble MLA, Bagalkot and a great patron of UHS, Bagalkot. Dr. Veeranna Charanthimath highlighted the initiatives of Govt of India, led by Shri Narendra Modi, Hon'ble Prime Minster of India, to double the farmer's income.





To support and nurture start-ups, UHSB has initiated Technology Business Incubation. During the inauguration, prototypes of Keys of TBI were handed over by the delegates to the startup of three UHS alumni, namely Dr Niranjan Prabhu of Eco Phytocare Pvt Ltd., Dr Azhar Bintory of Garden Mirchi and Ms Aishwarya Koprade of

Vintage hunt.

At the same time, products of four start-ups, including food products of CHEFT, Devihosur, UHSB, An app for smart digital orchard management of pomegranates by Farmitopia, Bioinputs of Safe Guard Natural Farming and Moringa health products of Nandi organics.



Shri H. P. Pujer, Hon'ble MLC, advised the students to take up high-tech horticulture and agriculture. Dr R. C. Jagadeesha, Hon'ble VC, KSNUAHS, Shivamogga, advised students to think outside the box and equip themselves with entrepreneurial and personality development skills. Dr Shivamurthy, Hon'ble Board Member of UHSB stated that entrepreneurs are not born but are made, and there is ample scope for Agri start-ups by graduates from the agriculture/horticulture universities.

Dr K. M. Indires, Hon'ble VC, UHS, Bagalkot, highlighted the activities of UHS, Bagalkot, such as the student READY programme, ELP and certificate and vocational courses for making students job-ready as well as entrepreneurship ready. Earlier, Dr N. K. Hegde, Director of Education UHSB welcomed the dignitaries, delegates and student participants. Dr R. K. Mesta, The Principle Investigator of NAHEP-IDP at UHSB, briefed the objectives of NAHEP-IDP and the convention. Dr I. B. Biradar, Co-PI, proposed the vote of thanks.



# Technical Sessions

Start-ups need-based six technical sessions were conducted in consultation with MANAGE, Hyderabad and C-CAMP, Bangalore, who have been supporting and handholding the start-ups through incubation. Experts from academia, industry and entrepreneurs in their respective fields were invited to share their knowledge and experience on entrepreneurial opportunities in different sectors.

<b>DAY 1: 18 OCTOBER 2022 (TUESDAY)</b>	
<b>2.00 pm to 4.20 pm - Theme 1: Farm Inputs-Opportunities and Challenges for Agri-Startups</b>	
<b>Chairman:</b> Dr. R. C. Jagadeesha, Hon'ble Vice Chancellor, KSNUAHS, Shivamogga	
<b>Lead Lectures</b>	
2.10 pm to 2.25 pm	1. Dr. Sharan Angadi, R&D advisor, Ankur Seeds Pvt. Ltd
2.30 pm to 2.45 pm	2. Dr. Chandrashekar Bhat, GM, Indo- American Hybrid Seeds, Bengaluru
2.50 pm to 3.05 pm	3. Dr. Prabhu P, Scientist R&D, Natura Crop Care, Bengaluru
3.10 pm to 3.25 pm	4. Dr. K R Hullunache Gowda, Microbi Agrotech Pvt. Ltd., Bengaluru
3.30 pm to 3.45 pm	5. Mr. Manohar Desai, Indo Bloom Horticulture and Research, Dharwad
3.50 pm to 3.55 pm	Experience sharing by entrepreneur
	<ul style="list-style-type: none"> <li>• Mr. Praveen Baligeri, Baligeri Horticulture Nursery, Vijayapura</li> </ul>
4.00 pm to 4.15 pm	Panel Discussion Panel Members:
4.15 pm to 4.30 pm	<ul style="list-style-type: none"> <li>• Dr. S. V. Patil, Dean, CoH, Bidar</li> <li>• Dr. B.S. Patil, Principal Scientist, ICAR-IARI's RRC, Dharwad</li> <li>• Dr. Ashok Alur, Director, CoE FPO, Bengaluru</li> <li>• Dr. M. Y. Katti, MD, Rohini Bio-Chem Microinputs Pvt. Ltd, Mahalingapur</li> </ul>
	<b>Rapporteurs:</b>
	<ul style="list-style-type: none"> <li>• Dr. Dilipkumar Masuti, Asst. Prof. (SST), KRCCH, Arabhavi</li> <li>• Dr. Dadapeerjade, Assoc. Prof. (GPB), CoH, Bagalkot</li> </ul>
4.30 pm to 6.30 pm	<b>Member Convener:</b>
	<ul style="list-style-type: none"> <li>• Dr. Raghavendra Gunnaiah, Asst. Prof. (BCI), CoH, Bagalkot</li> </ul>
4.15 pm to 4.30 pm	Tea Break
<b>4.30 pm to 6.30 pm</b>	<b>Oral Presentations</b>
<b>Chairman</b>	
Dr. Raveendra Mulge, Dean (PGS), UHS, Bagalkot	
<b>Member Convener</b>	
<ul style="list-style-type: none"> <li>• Dr. Ramangowda H, Asst. Prof. (Ag. Ent.), CoH, Bagalkot</li> <li>• Dr. Jameel Jhalegar, Asst. Prof. (PHT), CoH, Bagalkot</li> </ul>	



	<p style="text-align: center;"><b>List of presenters ( 5+2 Mins for each presenter)</b></p> <ul style="list-style-type: none"> <li>• Ammarananjundeswara H</li> <li>• Pallavi H M.</li> <li>• Shreedevi Badiger</li> <li>• Mathri D.</li> <li>• Rohit Madhukar</li> <li>• Palghadmal</li> <li>• Yashshwini M. H.</li> <li>• Vidya V. choudari</li> <li>• Md. Saqlian</li> <li>• Shankar Hallad</li> <li>• Mahesh Jadhav</li> <li>• Sinchana A. H.</li> <li>• Mejabeen Sheikh</li> <li>• Rohith D. S.</li> <li>• Theerthesha N. R.</li> <li>• Pavan Rathod</li> <li>• Rafiya Mushtaq</li> <li>• Roopa Bai R. S.</li> <li>• D. Balasubramanian</li> <li>• Sathish Kumar M.</li> <li>• Shivani M.</li> <li>• Vishal Reddy</li> <li>• Kishor kumar</li> </ul>
<p><b>6.30 pm to 8.30 pm</b></p>	<p>Cultural events</p>

**DAY 2: 19 OCTOBER 2022 (WEDNESDAY)****9.00 am to 11.30 am - Hackathon Sponsored by Waycool Food & Products Pvt. Ltd.****Chairman:**

Dr. N. K. Hegde, Director of Education, UHS, Bagalkot

**Member Convener:**

Dr. Pavan Kumar P., Technical Officer to VC, UHS, Bagalkot

**Rapporteurs:**

- Dr. Nagaraj Holayannavar, Asst. Prof. (English) , UHS, Bagalkot
- Dr. Patil B.B., Asst. Prof. (SST), Seed Unit, UHS, Bagalkot

**List of Participants : ( 8+2 minutes for each team)**

- Shreya Bhat & Team
- Shivaleela & Team
- Malatesh Jadar & Team
- Pallavi D K & Team
- Goutam M. Hosamani &
- Owais Ali Wani & Team
- Ruchitha B R & Team
- Dr. Appanna V K & Team
- Deepak M N & Team
- Chandan M & Team
- Mir Muskan Un Nisa & Team
- Rafiya Mushtaq & Team
- Sridhar Naik R & Team

**Lead Talk:** H. E. Sashidhar, Retd. Professor, UAS Bangalore**Poster Presentations**

9.00 am to 11.30 am

**Member Convener:**

Dr. Satish D., Assoc. Prof. (GPB), CoH, Bagalkot

11.30 am to 11.40 am

**Tea Break****11.40 am to 2.00 pm - Theme 2: Hi-Tech Farming for new age agripreneurs****Chairman:**

Dr. H. P. Maheswarappa, Director of Research, UHS, Bagalkot

**Lead Lectures**

11.50 am to 12.05 pm

1. Dr. Aravind Chinchure, CEO, Deshpande Start-ups, Hubli

12.10 am to 12.25 pm

2. Mr. Prasanna Murthy, Vice President, KIAL, Bengaluru

12.30 pm to 12.45 pm

3. Dr. Balaji S. Kulkarni, Dean, CoH, Bagalkot

12.50 pm to 1.00 pm

Experience sharing by entrepreneur

Dr. B S Venkatesh, Gokul Enterprises, Davanagere

**Panel Discussion****Panel Members:**

- Dr. Vishnuvardhana, Dean, CoH, Mysuru
- Mr. S. B. Diddimani, Joint Director, Horticulture Rural Development, MGNREGA

**Rapporteurs:**

- Dr. Siddappa R., Asst. Prof. (PMA), CoH, Mysuru
- Dr. Manukumar, Asst. Prof. (FSC), CoH, Munirabad

**Member Convener:**

Dr. S. M. Prasanna, Asst. Prof. (SS&amp;AC), CoH, Bagalkot

<b>2.00 pm to 3.45 pm - Theme 3: Value addition for Agri Produce -A boon to Agri Start-ups</b>	
<b>Chairman:</b> Dr. Ramachandra Naik K., Dean Student Welfare, UHS, Bagalkot	
<b>Lead Lectures</b>	
2.10 pm to 2.25 pm	1. Mr. Chetan Hanchate, Director & CEO, Centre for Processed Foods, Bengaluru
2.30 pm to 2.45 pm	2. Dr. R. Nagaraja Reddy, Senior Scientist, ICAR-DMAPR, Anand
2.50 pm to 3.05 pm	3. Mr. Ranganath Naik, MD, Nutri Planet Foods Pvt. Limited, Bengaluru
3.10 pm to 3.25 pm	4. Mr. Basaiah Hiremath, CEO NOFH Pvt. Ltd, Bengaluru
3.30 pm to 3.45 pm	Panel Discussion
<b>Panel Members:</b>	
<ul style="list-style-type: none"> <li>• Dr. V D Guraddi, MD, Elite Vintage Winery India Pvt. Ltd.</li> <li>• Mr. D Balasubramanian, Head, Incubation centre ICAR-DCR, Puttur</li> </ul>	
<b>Rapporteurs:</b>	
<ul style="list-style-type: none"> <li>• Dr. Md. Jameel Jhalegar, Asst. Prof. (PHT), CoH, Bagalkot</li> <li>• <b>Dr. Tippanna, Asst. Prof. (PHT), CHEFT, Devihosur</b></li> </ul>	
<b>Member Convener:</b>	
<ul style="list-style-type: none"> <li>• Dr. Bhuvaneshwari G., Prof &amp; Head (PHT), CoH, Bagalkot</li> <li>• Dr. Sanjeevreddi G. Reddi, Asst. Prof. (AGR) &amp; TO to DR, UHS, Bagalkot</li> </ul>	
<b>3.45 pm to 4.00 pm</b>	Tea Break
<b>4.00 pm to 5.45 pm - Theme 4: Farm to Plate - Optimizing supply chain management in Agriculture</b>	
<b>Chairman:</b> Dr. T. B. Allolli, Registrar, UHS, Bagalkot	
<b>Lead Lectures</b>	
<b>4.10 pm to 4.25 pm</b>	1. Mr. Charish Puri, Head - Strategic Sourcing & Supplier Development Waycool Foods and Products Pvt. Ltd., Chennai
<b>4.30 pm to 4.45 pm</b>	2. Mr. Prakash Koti, Head- Projects, BIG BASKET, Bengaluru
<b>4.50 pm to 5.05 pm</b>	3. Mr. Anand Kadakol, Netwrk.ai – Co Founder, Dharwad
<b>5.10 pm to 5.25 pm</b>	4. Mrs. Nalini, Founder of Farm Fresh, Bangalore
<b>5.30 pm to 5.45 pm</b>	Panel Discussion
	<b>Panel Members:</b> <ul style="list-style-type: none"> <li>• Dr. Laxminarayana Hegde, Dean, CHEFT, Devihosur</li> </ul> <b>Rapporteurs:</b> <ul style="list-style-type: none"> <li>• Dr. Venkatrao, Asst. Prof. (FSC), CoH, Bagalkot</li> <li>• Dr. Rajeshwari Nidugundi, Asst. Prof. (PSMA), CoH, Munirabad</li> </ul> <b>Member Convener:</b> <ul style="list-style-type: none"> <li>• Dr. H. R. Basavarajappa, Asst. Prof. (FLA), CoH, Bagalkot</li> </ul>

**DAY 3: 20 OCTOBER 2022 (THURSDAY)****9.30 am to 11.00 am - Theme 5: Mechanization and Automation- An Arena for new generation entrepreneurs****Chairman:**

Dr. S. S. Injaganeri, Principal, Basaveshwara Engineering College, Bagalkot

**Lead Lectures**

9.40 am to 9.55 am	1. Mr. Shivkumar, Head Operations & Technology , Multiplex Drone Pvt. Ltd., Bengaluru
10.00 am to 10.15 am	2. Dr. V. B. Pagi, Professor, Basaveshwar Engineering College, Bagalkot
10.20 am to 10.35 am	<b>Panel Discussion</b>
	<b>Panel Members:</b> <ul style="list-style-type: none"><li>• Dr. Thammaiah N., University Librarian, UHS Bagalkot</li><li>• Dr. Shashidhar K. C., PI, NAHEP-IDP, KSNUAHS, Shivamogga</li><li>• Dr. Shravakumar B Kerur, Principal, BGMIT, Mudhol</li></ul> <b>Rapporteurs:</b> <ul style="list-style-type: none"><li>• <b>Dr. Siddanagouda Yadachi, Asst. Prof. (Ag. Eng.), CHEFT, Devihosur</b></li><li>• Dr. Srinath, Asst. Prof. (Agri. Eng.), CoH, Bagalkot</li></ul> <b>Member Convener:</b> <ul style="list-style-type: none"><li>• Dr. Sanjeevraddi G. Reddi, Asst. Prof. Agronomy</li></ul>
11.10 am to 11.15am	<b>Tea Break</b>

**11.15 am to 1.15 pm - Theme 6: Market Linkages and Networking facets for Agri- startups – Role of Funding****Chairman:**

Dr. S. I. Athani, Director of Extension, UHS, Bagalkot

**Lead Lectures**

11.20 am to 11.35 am	1. Mr. Suhas Nimbalkar, Partner & Consultant-IP & Regulatory Affairs, Eitimo Ventures LLP, Bengaluru
11.40 pm to 11.55 pm	2. Mr. K. Senthil Kumar, Director, IMPA-Integrated Marketing & Producers Association, Bengaluru
12.00 pm to 12.15 pm	3. Dr. Jameel Ahmad Khan, Program Manager, Agri-tech Innovations and Entrepreneurship, CCAMP, Bengaluru
12.20 pm to 12.35 pm	4. Mr. Mahesha Murthy A. S., Deputy Manager, SBI, Hubli
12.40 pm to 12.55 pm	5. Mr. Bhaskar Yelendur, Cluster Head, HDFC, Vijayapur, HDFC



	<b>Panel Discussion</b>
1.00 pm to 1.15 pm	<p><b>Panel Members:</b></p> <ul style="list-style-type: none"> <li>• Dr. M. G. Kerutagi, Dean, KRCCH, Arabhavi</li> <li>• Dr. Parvez Bantanal, MD, KAPPEC, Bengaluru</li> <li>• Dr. Raghavendra .S.V., Master Trainer &amp; STO, CSIR-CFTRI, Mysuru</li> </ul> <p><b>Experience sharing by entrepreneur</b></p> <ul style="list-style-type: none"> <li>• Mr. Manjunath Patil, Agri-Entrepreneur, Mudhol</li> </ul> <p><b>Rapporteurs:</b></p> <ul style="list-style-type: none"> <li>• Dr. Sachin Nandimath, Asst. Prof. (Agril. Econ), KRCCH, Arabhavi</li> <li>• Dr. Ganeshgouda Patil, Asst. Prof. (Agril. Econ), CoH, Bidar</li> </ul> <p><b>Member Convener:</b> Dr. Shripad V. Asst. Prof. (Agril. Econ.) DE Office, UHS, Bagalkot</p>
1.15 pm to 2.00 pm	Lunch Break

# Theme 1: Farm Inputs-Opportunities & Challenges for Agri-Start-ups

18<sup>th</sup> Oct, 2022

Chairman: R. C. Jagadeesha, VC, KSNUAHS Shivamogga



**Dr. Sharan Angadi, R&D advisor, Ankur Seeds Pvt. Ltd.** has highlighted on the right opportunity to be chosen as a challenging one by new startups, local living problems are to be stressed. Indian potential for a good seed production business including the forage seed productions. Three components of seed business such as R&D, seed Marketing, seed production is to be given priority with a farmer centric seed production.

Though the challenges such as labour problem, high wages, tough competitors are there in India for seed sector but contact farming will be a boost to seed industry. Opined to start of a course in the university for seed entrepreneurship skill development and management and also a short-term training course to the outgoing students in the seed business may also help for the future.

**Dr. Chandrashekar Bhat, GM, Indo-American Hybrid Seeds, Bengaluru** emphasized on the challenges and opportunities such as contact seed farming, seed drying industry, seed testing services, seed storage facilities, seed supply management and seed quality enhancement like seed pelleting and priming of horticulture seeds. Later he stressed on commercial guidance for new comers in the seed industry is the deficient.



**Dr. Prabhu P, Scientist R&D, Natura Crop Care, Bengaluru** shared his experience on the commercialization of technologies and products developed by universities and research institutes.

**Dr. K R Hullunache Gowda, Microbi Agrotech Pvt. Ltd., Bengaluru** drawn attention of many students and the audience by sharing his journey from a job seeker to job lender. The right decision and the vision and the challenges in an area where the problems are more, will be a factor of the success of the entrepreneurship. Stress on business on soil enriching and improving the carbon content of the soil are the new and profitable business opportunities.



**Mr. Manohar Desai, Indo Bloom Horticulture and Research, Dharwad** convinced the audience by stressing on the opportunities on seed production. Though the China will be the strong challenge to the India, apart from the labor problem, unpredictable weather and plant quarantine for imports for the seed business.



**Experience sharing by young bud in agri-entrepreneur :**

**Mr. Praveen Baligeri, Horticulture Nursery, Vijayapura** has pushed all his efforts for enlighten the skills that he has acquired from his study in UHS Bagalkot. His dedication and energy was reflected in terms of his achievement at an early age.



**Panel Discussion** stressed on startups and entrepreneurial skills development. Panel Member Dr. Ashok Alur, Director, CEO, FPO, Bengaluru, expressed role of FPO and the relation to the startups in Karnataka. FPO's in seed production, nursery, custom hiring centers, consultancy, production and supply of organic seed /production/products, micro irrigation systems, training human resources are the areas where the agri-entrepreneurs can invest their skills. Dr. S. V. Patil, Dean, CoH, Bidar, expressed a successful entrepreneur should adopt a village for the transformation of society. Eagered to have societal concern along with the business. Dr. B.S. Patil, Principal Scientist, ICAR-IARI's RRC, Dharwad expressed the experience gained out of working in the company / institutes will help in gaining the confidence in running the successful Agri-businesses.

## Theme 2: Hi-Tech Farming for new ageagri preneurs

19<sup>th</sup> Oct, 2022

**Chairman: Dr. H. P. Maheshwarappa, Director of Research, UHS, Bagalkot**

**Dr. Aravinda Chinchure, CEO, Deshpande Start-ups, Hubli** gave the overview of the activities undertaken by the Deshpande Startup organization. He opined that the we humans are growing incrementally. However the technology is growing exponentially. So the field of hi-tech farming and technologies are required and it could be with respect to AI, robotics, energy storage, DNA sequencing, Block chain technology etc. Convergence between operational technology (OT), information technology (IT) and also with biotechnology (BT) is also need of the hour.



**Mr. Prasanna Murty, Vice President, KIAL, Bangaluru** speaker gave the complete overview of the landscape business scenario in our country especially with respect to beautification of the airports, hotels, resorts, parks, monuments hospitals etc. He explained the importance of 4 P's- Planning, Product, Promotion and Profit in any agri-business. Considering the various agroclimate condition prevailing in India, he expressed large opportunities are

available for the production and nursery multiplication of ornamental plants which are being imported worth thousands of crores in our country. The main key areas in this regard are technical guidance / information, genome collection, seed collection and hydro culture.

In addition to income opportunity in agri startup we have ornamental trees breeding, automation, renting of ornamentals, production of quality media for production, packaging, advance in irrigation, productions of micro greens, production of orchids, paludariums and cloud forest for home décor, production of organic invest growing media/manures – microbial consortium, panchagavya etc. There are the next big potential areas for taking up as business modules by the aspiring agri-entrepreneurs.



**Dr. Balaji. S. Kulkarni Dean, CoH, Bagalkot** gave the overview of floriculture industry and explained how floriculture holds immense potentiality for agri-business these include production of high value ornamentals, production of quality planting materials in commercial flowers and ornamentals, production of tissue culture plantlet, protected cultivation of high value flowers, orchids and ornamentals, greenhouse construction and maintenance, seed production of commercial flowers, irrigation, containers and media, crop consultancy, PP chemical and fertilizer production, diversification of crops, tropical palms for export, tissue culture plantlet production of ornamentals, processing – dry flowers technology, dye preparation etc.



**Dr. B. S. Venkatesh, Gokul Enterprises, Davangere** speaker explained the potentiality of cultivation of exotic vegetables under protected cultivation. A part from this crop improvement, planet propagation and nursery management, soil less culture, micro mechanization, Use of new nano technology based nutrients, nutrients based pest management, hydroponics, etc.

Panel member of the session, Dr. S. B. Diddimani, Joint director, Horticulture Rural development expressed following points which need to be considered by the agripreneurs in hi-tech farming. Highlights of the panel discussion are need to train the student, equip them and exposure the with respect to agribusiness, need to change curriculum in this regard, floating aquaculture need to be focused, transfer of technology of high-tech parks with PP model, risk instigation and endurance, efficient use of land, water and resources, intensive quality and trade literacy information and MOU with Deshpande Organization for research.

## Theme 3: Value Addition for Agri Produce - A Boon to AgriStart-ups

19<sup>th</sup> Oct, 2022

Chairman: Dr K. Ramchandra Naik, Dean Students Welfare, UHS, Bagalkot



**Mr. Chetan Hanchatte, Director & CEO, Centre for Processed Foods, Bengaluru** delivered on value addition in agri-produce and scope of agri foods. He believes that FSSAI standards are the best standards all over the world and list of foods marketed by them and food items that are in pipeline even gave example of triangular shape of French fries which will be named as Indo French fries. He informed the house to log on to [www.foodconsultant.com](http://www.foodconsultant.com) website for more

information.

**Mr. Ranganath Naik, MD, Nutri Planet Foods Pvt. Limited, Bengaluru** shared his journey from launching their products in IPL 2017 and Lal Bagh flower show. Briefed about their entry into FMCG products, as a 8 year old company.



**Mr. Basaiah Hiremath, CEO NOFH Pvt. Ltd, Bengaluru** described about the farmers from



Koppal district, Kushtagi taluk, who are growing 30 acres of PKM-I variety of drum stick, which is organically grown, and he also suggested to growers if they cultivate organically and if they are certified his company is ready to buy, he informed the house that the harvesting stage for drumstick leaves is 90 days after sowing and there after 45-55 days. During the Q& A session he told the audience that they are exporting the drumstick leaf powder to EU countries, Japan, USA etc.

**Dr. Madhukeshwar Hegde**, a bee farmer from sirsi, also spoke on how a 8<sup>th</sup> standard pass person can become a farmer and flourish in life, he opined the youths not to desert their parents in search of job, but to stay in their place and make the use of resources available to them and flourish. The activities carried out by Dr. Madhukeshwar Hegde are Apitherapy, they are collecting bee venom for treatment. He is guiding the students through placement camps of 15 to 30 days.



Panel members of the session, Ms. Shylaja Vittala, Dharma Technologies, Tumkur and Dr. D. Balasubramanian, Principal Scientist, Head, Incubation centre ICAR-DCR, Puttur summarized, the happenings of the session and he appreciated the efforts of PI, NAHEP-IDP, Dr. R. K Mesta for a commendable job in organizing, the three-day event.

# Theme 4: Farm to plate – Optimizing Supply Chain Management in Agriculture

19<sup>th</sup> Oct, 2022

**Chairman: Dr. T. B. Allolli, Registrar, UHS, Bagalkot**

**Mrs. Nalini Murthy, Founder, Farm fresh, Bengaluru** has highlighted the following points about their venture, producing and supplying residence free multinational foods, consumer driven need based production, supplying economic nutritional packages, packages designed based on per person recommendation (1crore), the firm has starved with 30 consumers in 2018 and presently has 3000 consumers, they are supplying organic produce to the consumers and consumers are benefitted by nutritional food and fixed cost.



**Mr. Charish Puri, Waycool foods and Products Pvt. Ltd.** highlighted the following points, India has a large but insufficient food supply, low remuneration realization by the farmers due to marketing constraints. He said, Waycool have world class tech enabled alternative supply chain to help the farmers as well as consumers. The produce is bar coded at all the levels. They are involved in supply of fresh produce dairy and

staples.



**Mr. Prakash Koli, Big Basket** explained how big basket has taken its largest share in online supermarket and also emphasized the challenges they are facing with seasonal availability of produce, quality assurance issues, authentication, post harvest treatment, monitoring movement of produce, affordability, market size. They are having 138 collection counter across India and fruit and vegetable cold rooms, bar-coding systems and solar cold rooms.



**Mr. Anand Kadakol, Co-Founder network. Ai** explained that, the firm is mainly involved in linking farmers to consumers and also involved in selling naturally ripen mangos directly to consumers throughout the world. Finally the session was concluded by summarizing all the lead lectures by the chairman.

## Theme 5: Automation and mechanization in agri a new arena for entrepreneurs

19<sup>th</sup> Oct,2022

Chairman: Dr. S. S. Injaganeri, Principal, Basaveshwar Engineering College, Bagalkot

Mr. Shivakumar, Head, operations & technology, Multiplex Drones Pvt. Ltd. started the session by presentation with importance of mechanization, automation, elements of drones in present days agriculture. He highlighted the status of manufacturing of tractors and mechanization by drones during last few years, labour scarcity, wages requirement for efficient operation to meet food demand of raising population. He also emphasized on climate change effects on agriculture through automation and robots. He highlighted about Multiplex Pvt. Ltd's establishment, various drones manufactured, categories, applicability to various crops and standard operating producers of drone application.



He emphasized on key strength of drone (Multiplex) reforming its novel and precise technology. He also given some insights on major verticles in multiplex drone like mapping, surveillance and etc. Through his presentation he highlighted on potential crops which could be sprayed using drone.



Dr. V. B. Pagi, Prof and Head, BEC, Bagalkot started his session by presentation on artificial intelligence (AI) in agriculture. Throughout his presentation heenlightened this student about applications of AI to various avenues of agriculture like crop and soil monitoring, crop disease detection, livestock health monitoring (Chickens). He also threw some insights on applications of AI in arial surveying, crop grading, digital revolution inagriculture and advantages of smart agriculture.

Panel members of the session, Dr. Tammayya N., panel member expressed his views on importance of automation and mechanization in agriculture, its application in pest and disease management. He also highlighted about its role in increasing the labor efficiency, machine efficiency, removing drudgery and intern raising the standards of living of farmer. Dr. Shashidhar, PI, NAHEP-IDP and panelist shared his views on opportunities and scope for automation and mechanization in various crops of southern Karnataka.

## Theme 6: Market Linkages & Networking facets for Agri-startups

19<sup>th</sup> Oct, 2022

Chairman: Dr. S. I. Athani, Director of Extension, UHS, Bagalkot

**Mr. Suhas Nimbalkar, Partner & Consultant-IP & Regulatory Affairs, Eitimo Ventures LLP, Bengaluru** briefly explained about the opportunities and challenges of agri- entrepreneurship in marketing of the products and also briefed about the regulatory and consultancy provided by Eitimo ventures LLP to its customers.



**Mr. K. Senthil Kumar, Director, Integrated Marketing & Producers Association, Bengaluru** explained about the importance of integrated farming for ensuring regular income to the farmers. He explained about how he become successful entrepreneur in the integrated farming system by inclusion of crops of agriculture, horticulture, dairy and poultry farming, fishery etc. shared his business farm and how linkage

made for marketing to reach end customer and created the networking for ensuring continuous demands for the products. Hence, he emphasized that, farmers/ entrepreneurs should adopt integrated farming system rather than only restriction to farming for one or two components as they there will be risk of incurring loss in the business.

**Mr. Mahesha Murthy A. S., Deputy Manager, SBI, Hubli** briefed about the funding opportunities, incubation facilities and hand holding supports available from different government and private organizations in agri start-ups.



**Dr. Jameel Ahmad Khan, Program Manager, Agri-tech Innovations and Entrepreneurship, C-CAMP, Bengaluru** elaborated about the mandates and role of centre for cellular and molecular platforms (C- CAMP) and highlighted support of centre and nurturing the innovations through incubation, funding and mentorships to bring solutions to the market which are very much necessary now a days to find the proper market linkages and networking in marketing of the agri- products. He also highlighted the opportunities and future prospects available to the startups in secondary agriculture.



**Mr. Bhaskar Yelendur, Cluster Head, HDFC, Vijayapur** highlighted the audience about the availability of funding opportunities from their respective financial institutes and different government schemes for supporting agri-entrepreneurship.



**Mr. Manjunath Patil, Agri-Entrepreneur, Mudhol** shared his experience on entrepreneurship, after his graduation he choose agriculture as his entrepreneurship and cultivated many agricultural and horticultural crops. He explained the difficulties in marketing and finding linkage of markets for marketing of the produce. For his persistent involvement and effort he became successful in



finding better solutions for marketing of the farm grown produce and better returns. He encouraged the horticulture students from his experience that, farming is the best avenue for the horticulture graduates to start own business in farming and its best revenue source.



Panel members of the session, Dr. M. G. Kerutagi, Dean, KRCCH, Arabhavi, Dr. Parvez Bantanal, MD, KAPPEC, Bengaluru and Dr. Raghavendra .S.V., Master Trainer & STO, CSIR-CFTRI, Mysuru were spoke about the importance of the Market Linkages and Networking facets for Agri-startups and encouraged the students about the

huge opportunities available for the agri- startups.



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# Hackathon

19<sup>th</sup> Oct, 2022

**Chairman:** Dr. N. K. Hegde, DOE, UHS, Bagalkot

**Jury members:**

1. Dr. H.E. Shashidhar, Rtd. Professor, UAS, Bengaluru
2. Dr. H. P. Maheshwarappa, DR, UHS, Bagalkot
3. Mr. Karthikeyan, AGM, Waycool Foods & Products Pvt. Ltd., Bengaluru
4. Mr. Prasanth Barigheid, JD, District Industries Centre, Bagalkot

**Rapporteurs:**

1. Dr. Nagaraj Holeyannavar, Asst. Prof. of English, UHS, Bagalkot
2. Dr. B. B. Patil, Asst. Prof. of Seed Science & Technology, UHS, Bagalkot

**Member Conveners:**

1. Dr. Pavankumar P., Asst. Prof. of FLA, UHS, Bagalkot

A Technovation Hackathon was organised in partnership with WayCool Foods & Products Pvt. Ltd., Bangalore, on four different themes; Strategies & methods for enhancing the adoption of digital technologies by farmers, Application of AI technologies in crop



modeling & agricultural market forecast, Development of plant-based products for enhanced crop growth and Farm to fork: supply & value chain management in agriculture. Thirteen pitch deck presentations among the 29 entries were selected for the final presentation on 19/10/2022. The presentations were evaluated by experts from both academia and industry. The three best presentations were selected based on their business idea and commercial and financial feasibility.

### ABSTRACT

Total no. of projects/ideas presented	Technology based projects/ideas	Product based projects/ideas
1	0	0
3	5	8

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**Team No. 1: Shreya Bhat & Team, Basaveshwara Engineering College, Bagalkot**

**Topic Presented: Conventional Bio-diesel production.**

The team briefed out the importance of bio-diesel with catalyst enzymes lipase + glycerine



compared to the bio-diesel prepared by using chemicals. The idea to introduce this project is to have reduce carbon emission and also reduce chemical usage for preparation of biodiesel. They have presented with clear execution of plan how to initiate in preparing the biodiesel, evaluation, funding, cost of preparation and marketing with risk factors. They have planned to commercialize this eco-friendly

technology as it has 85 % pure bio-diesel compared to other biodiesel prepared by using chemicals.

**Recommendations by Jury Members**

1. Work out the financial feasibility of this technology.
2. Compare the bio-diesel preparation by using enzymes with chemical bio-diesel.
3. Fine tune the execution plan and financial implications

**Questions by participants**

1. Time required for preparation of enzyme as well as biodiesel: The team member opined that time required for preparation of bio-diesel through our technology is almost similar to the chemical process.

**Team No. 2: Shridhar Naik & Team, UAS, Bengaluru**

**Topic Presented: Development of process and technology for production of natural sweetener and Jaggery from watermelon.**

The team briefed out the importance of water melon as it is rich in antioxidants and the natural



sweetener extracted from water melon. He expressed his views on the harmful effects of artificial sweetener, chemical food additives on human health. Moreover, it would be beneficial for diabetics. He presented the production technology of jaggery from watermelon, preparation powder from seed, syrup *etc.* He executed his plan with beneficial idea to improve the health in very

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economical manner of setting up this idea will be helpful to the watermelon growing farmers to get good price for their production if it is channelized in effective manner.

### **Recommendations by Jury Members**

1. Adoption this technology by the farmers to be assessed.
2. Make use of this technology by the needy farmers who can easily access this machine in form mobile vehicle.
3. Similar technology could be applied to the other fruits.
4. The medical trials to be conducted to assess the medicinal value of this product.

### **Questions by participants**

1. How do you ensure the product prepared is free from pesticide residue? : The fruits are tested for residue before use.
2. Usage of water melon pericarp: The pericarp is used for preparation of tutti-fruitti and rind noodles.
3. Comparison of honey/syrup prepared by watermelon extract with natural honey.

### **Team No. 3: Rafiya Mushtaq & Team, SKUAT, Kashmir**

#### **Topic Presented: Modified pruning tools with robotic technology in apple.**

The team briefed about present area and production of apple in the country and cultivation of apple



in non-traditional area. They presented the problems facing by the apple growers for pruning of apple orchards. The cost of pruning is expensive if labours are used. To avoid this problem the device developed will reduce the cost, time and dependency on labour. The machine is fully automatic with robotic technology.

### **Recommendations by Jury Members**

1. Cost of machine to be compared with other machines available in the market.
2. Capacity and efficiency of machines to be assessed.
3. After pruning, the precautionary measures to be taken to avoid rotting of stem to informed.

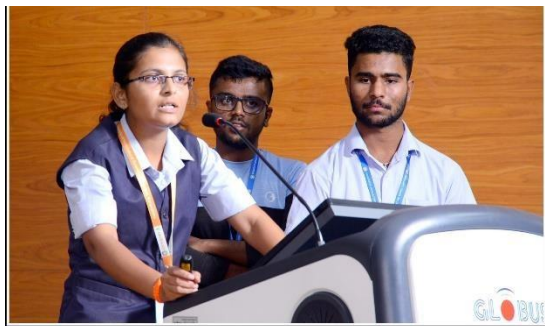
### **Questions by participants**

1. How many trees could be pruned in day, field capacity, lag time: the time duration cannot be fixed as it varies with density of the trees and growth habit.

**Team No. 4: Ruchitha B. R. & Team, College of Sericulture, Chintamani**

**Topic Presented: Wild Taro based bio-degradable plastic for an effective replacement of inorganic plastic and as sustainability booster.**

The team briefed about the importance of taro in preparation bio-degradable plastics for agriculture and its allied sectors. They presented their plan of preparing of taro based bio-degradable plastic very clearly with all data and cost of production.



**Recommendations by Jury Members**

1. With taro, other crop would have been used for preparation of bio-plastics.
2. Mechanical characteristics of bio-plastic to be

assessed.

**Questions by participants**

1. Why do you use taro in preparation bio-plastics as already cassava is commercially using for preparation of bio-plastics by many companies? : It is underutilized crop, the production cost is very less and it is having high amount starch.

**Team No. 5: Goutam M. Hosamani & Team, College of Horticulture, Munirabad**

**Topic Presented: Find your labourers- krishilabour.com**

The team briefed about the importance labourers in agriculture and problems facing by farmers to get the labourers on time. The idea of this is to create labour facility from surplus area to scarcity region through digital platform. Though this app it is make available the toll free number/machines/information *etc.* to the farmers at nearest location. They have presented their ideas, execution plan, revenue model, services *etc.*



**Recommendations by Jury Members**

1. Detail process of this app should be included.
2. Labour availability and wages to be included.
3. The app to be maintained and monitored.
4. Follow the labour law

**Questions by participants: Nil**



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**Team No. 6: Mir Muskan Un Nisa & Team, SKUAT, Kashmir**

**Topic Presented: Pin-o-Green: Waste to wealth for climate change mitigation and reduction of fire causes.**

The team briefed about the importance of pine tree as it is 16.0% wooded in J.K and there is lack



of technology in utilizing it. Hence, it can be used as organic fertilizer, anti-microbial pine fibre and other liquid supplements.

**Recommendations by Jury Members**

1. This product is alternative to organic or inorganic fertilizers to be clarified.

2. Mention the characteristics of the product in comparing with the other existing products available in the market.

**Questions by participants: Nil**

**Team No. 7: Owais Ali Wani & Team, SKUAT, Kashmir**

**Topic Presented: Carbon based products to create bio-sustainable economy.**

The team introduced about the work and need of this technology. He presented the effect of



burning of the residues in open air is produce the 70.0% of the CO<sub>2</sub>. The preparation of bio-char, activated charcoal, face wash, deodorants and bio-pesticides from the residue could reduce the hazards of this kind. The pulveriser developed for converting the residues to different kind of products is more effective compare to other machines.

**Recommendations by Jury Members**

1. IOT work could be mentioned.

2. Characteristics and quality of activated charcoal and bio-char to mentioned.

**Questions by participants:**

1. How these technologies mitigate the climate change and GDP? : By using the residue for preparation of different products instead of burning could reduce the carbon emission and re-using of the residues will improve the economy.

**Team No. 8: Dr. Appanna V K & Team, Hydrolore (Chalukya Technologies Pvt. Ltd.), Benagluru.**  
**Topic Presented: Hydroponic solutions to grow healthy and nutrition food with minimal space and nominal resources.**

The team introduced about the reducing the food wastage and importance of this kind in addressing



the drought and use of fertilizer. He explained the uniqueness of their technology.

#### **Recommendations by Jury Members**

1. Kinds of crops could be grown through this technologies need to be evaluated.
2. Commercial model and subscription model are to be channelized.

#### **Questions by participants:**

1. What kind of inner media is used, yield advantage compared with open cultivation and cost effectiveness: The media used is unique not to disclose, 50 % yield advantage was observed and it is economical.

**Team No. 9: Chandan M & Team, Sadhika Plant Studio, Bengaluru**

**Topic Presented: Magical Herbs-Smart Micro-green Apparatus**

The team introduced about their start up ideas to supplement the nutritional requirement for the



good health. They briefed about preparation plan and quality evaluation of the micro-greens. The growing chamber used for micro-green development is unique and provide favourable environmental condition for growth with automation.

#### **Recommendations by Jury Members**

1. Information on pest and disease on micro-green to be provided.
2. Micro-green marketing strategies to be assessed.

#### **Questions by participants:**

1. It is automated: Yes, to avoid labour

2. How micro-greens are differ from the greens harvested in open terrace: In open condition the rate of photosynthesis is varies and no infirmity in quality, providing favourable growth conditions is difficult.

**Team No. 10: Shivaleela & Team, Basaveshwara Engineering College, Bagalkot**

**Topic Presented: Honge based soap to control ticks on animal body.**

The team introduced topic, problems of the ticks on animal body were cleared by using the herbal



based soap and there is no chemical reaction on the animal and it is been tested on 20 cattle and observed complete reduction ticks. This is very cost effective herbal product very useful in animal husbandry.

#### **Recommendations by Jury Members**

1. Mechanization of application soap.
2. Active ingredients to be mentioned'

#### **Questions by participants:**

1. It causes skin irritation to animal and other problems to the cattle if used continuously? No, as it is purely herbal based.

**Team No. 11: Malatesh Jadar & Team, College of Agriculture, UAS, Dharwad**

**Topic Presented: Miracle Maize Stem.**

The team presented the importance of maize stem to be used as media in nursery as like as coco-



peat and multi-uses of maize stem. Team explained about the harmful effect of maize stem left over in the field or if it is burned.

#### **Recommendations by Jury Members**

1. Extraction procedure to be clearly mentioned.
2. Conversion factor, EC, PH and other quality parameters to be analysed.

#### **Questions by participants:**

1. How the maize stem media is different from the coco-peat media: Maize stems are easily available and very cost effective.

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**Team No. 12: Rakshitha & Team, College of Horticulture, Mysuru**

**Topic Presented: Magical Herbs (Boon to mankind): Let food be the medicine and medicine be food.**

The team highlighted the importance of dry leaves of different herbs in diet of mankind for every



day need as modern man is busy with his schedule and does not have much time to take healthy food. Hence, composition of different herbs provides ready nutritional benefits to health. This is emerging concept to be popularized by providing the product to the angavadis, mid-day meals and as nutritional kit to the pregnant women.

**Recommendations by Jury Members**

1. Quality of the product to be analysed before use.

**Questions by participants: Nil**

**Team No. 13: Deepak M & Team, KRCCH, Arabhavi**

**Topic Presented: Online marketing of fresh flowers and sustainable management of waste flowers.**

The team expressed the views on the wastage of flowers after its use and in order to scale up the



small scale industries in utilization of the used flowers for the preparation of various products through technology. It is app based tools which will help to mechanize the product.

**Recommendations by Jury Members**

1. Pros and cons to be understood before preparing the app.
2. Collecting the waste flowers is cumbersome and

need to be addressed.

**Questions by participants: Nil**

# Oral presentations

18<sup>th</sup> Oct, 2022

**Chairman: Dr. Raveendra Mulge, Dean (PGS), UHS Bagalkot**

**Jury Members: Dr. M. P .Basavarajappa**, Prof. & Head department of Plant Pathology, CoH, Bagalkot, **Dr. Bharati Meti**, Prof. & Head, Dept. of Biotechnology, BEC, Bagalkot & **Mr. Suhas Nimbalkar**, Partner & Consultant-IP & Regulatory Affairs, Eitimo Ventures LLP, Bengaluru

In a concurrent session, 21 students and faculty from different universities presented their entrepreneurship ideas and their experience on six different themes as an oral presentation. The presentations were evaluated by experts from both academia and industry. The three best presentations were selected based on their business idea and commercial and financial feasibility.

Sl. No	Name of the presenter	Title of the oral presentation
1	Amarananjundeswara H	A newly emerging potato ARC technology as an agri-business opportunity for Karnataka farmers
2	Subramanya Angadi	All-in-one seed kit for Home Utility Garden (HUG)
3	Shreedevi Badiger	P-FMC plant electricity produced by plant to enhance the aesthetics value
4	Mathri D	Biodegradable and compostable plastics from corn starch
5	Shankar Hallad	Nanotechnology a boon to agriculture and environment
6	Rohit Madhukar Palghadmal	Agripreneurship development through zero waste processing technology for grape based agri startups in India
7	Yashashwini M. H.	Bakahu powder (banana) a functional food for modern life style
8	Vidya V. Choudhari	The natures tonic aloevera-boon to agri start-ups
9	Md Saqlian	Bamboom
10	Mahesh Jadhav	Eco friendly idols
11	Sinchana A. H.	Development of value added products from waste flowers
12	Mahejabeen Sheikh	Value added products of jackfruit



13	Rohith D.S.	Chia: The strength of mankind
14	Theerthesha N. R.	Spirulife- A wonder product with multi health benefits.
15	Pavan Rathod	Curcumin extraction unit: A boon to turmeric farmers of Karnataka
16	Rafiya Mushtaq	Modified Pruning tools with sensor based Automation for Apple orchards
17	Roopa Bai R. S.	Scope and fund mobilizing opportunities for Start-ups in food processing
18	D. Balasubramanian	Agri Business Incubation Centre
19	Sathish Kumar M.	Funding options for Agricultural start-ups in India- Challenges and opportunities
20	Shivani M.	Floral Bazaar: An electronic platform and end to end cold chain logistics for flower global market
21	Vishal Reddy	Uberization of Farm Machines and Tools
22	Kishor kumar	Miracle Moringa
23	Deepak M. N.	Seed designing: Pelleting machine
24	Shivagangavva	Agri Business Incubation unit, ICAR-IIHR in promotion of Horti-Start-ups in India



**Jury members of oral presentation**



**Student's presentation on innovative business plans**

# Poster presentations

19<sup>th</sup> Oct, 2022

**Jury Members:** **Dr. Dr. Prabhuling G.** Prof. and Head, Dept. of BCI, CoH, Bagalkot, **Dr. Prashant S. J.**, Assoc. Prof. Food Technology, Karnataka State Akkamahadevi Women University, Vijayapura and **Dr. Kantesh G.** Prof. of Agronomy, CoH, Bagalkot

**Theme wise posters were presented:**

Theme	Theme title	Number of posters
1	Farm inputs : opportunities and challenges for agri start - ups	07
2	High tech farming for new age agri - preneurs	03
3	Value addition for agri produce: a boon to agri start ups	16
4	Farm to plate : Optimizing supply chain management in agriculture	04
5	Automation and mechanization in agri a new arena for entrepreneurs	02
6	Market linkages and networking facets for agri start ups : role of funding	01
<b>Total</b>		<b>33</b>

From all the six themes 33 poster presentations were presented by the students from various colleges of India. The presentations were evaluated by experts from both academia and industry. The three best poster presentations were selected based on their start-up idea.



# Start-up Alley

18<sup>th</sup> to 20<sup>th</sup> Oct, 2022



Inauguration of Startup Alley by Dr. R. C. Agrawal, Hon'ble DDG (Agricultural Education) & National Director, NAHEP, ICAR, New Delhi

Sl. No.	Name of Beneficiary Startup	Beneficiary Name - Startup	Active Email Id	Active Mobile Number
1	Vitraag International Publishers & Distributors	Jai Bhagwan Jain	vitraaginternational19@gmail.com	9899838320
2	Farmitopia Pvt. Ltd.	Jai Kumar	jaikumar@farmitopia.com	9845172838
3	Ecophytocare India Pvt. Ltd.	Niranjana Prabhu K J	kjnp1007@gmail.com	9686659285
4	Kalyani Publishers	Mohammed Zakir (Incharge)	kalyanibangalore@yahoo.com	9886071991, 9449807578
5	Cropsecure Agri Tech Pvt. Ltd.	Harish Jain	harish.jain@cropsecure.org	
6	Taste Budzz	Mohan Kumar B	mohankumarby@gmail.com	9449337917
7	Sadhvika Plant Studio	Chandan Gowda	chandan@sadhvikaplantstudio.com	9481777307
8	Safe Natural Farming Technology, Mamatpur Bijapur Karnataka	Rafeeqahmad Bagawan	Snftechnology@gmail.com	9880004959
9	Navadanya Pvt. Ltd.	Ramesh Moratagi	ramesh.10moratagi@gmail.com	9880004959

10	NOFH Pvt. Ltd.	Basaiah Hiremath	basaiah.hiremath@nandiorgafarm.com	9845020948
11	Vedhik Enterprises	Rathnamma. Av	vedhikfoodpvt15@gmail.com	8861822142
12	Shramajeevi Television Pvt. Ltd. - Farmtv	Dr. Venkatramana Hegde	vsh@shramajeevi.com	9632316462
13	G K Agrotech Solutions	Er Girisha M N Kumbara	gkagrotechdvg@gmail.com	918792670977
14	Marj Organics	Mohammed Zuber	marjorganics@gmail.com	7483275663
15	Mr.Millet	Davalappa	mrmillet19@gmail.com	7259620814/ 9008190763
16	Farmbandi- A Millet Based Ready To Eat Manufactures	Jayalakshmi Kv (Md & Founder)/Udaykiran (Farmer & Co-Founder)	ffarmbandika36@gmail.com	9964215750/ 9743263636
17	Asha Gruh Udyog	Girish Mahadevappa Halasagi	ashagirish.halasagi@gmail.com	9886821702
18	Udyan Herbomatrix Pvt. Ltd. Bidar	Vinay Kumar	udyanherbomatrix@gmail.com	8105645796
19	Garden Mirchi	Md Azhar Bintory	mabintory@gmail.com	7795213657
20	Udyan Biomatrix Pvt. Ltd. Bidar	Anand Kumar Mishra	udyanbiomatrix@gmail.com	9449921086
21	Baligeri Horticulture Nursery	Praveen Baligeri	praveenbaligeri655@gmail.com	9972112945
22	Prahita Agro Pvt. Ltd.	Rohan Hundekar N	rohanpatho@gmail.com	8050039955
23	Krishi Junction	Dr Chaitra Bharath And Dr Nitesh S D	mykrishijunction@gmail.com	7338470850
24	V Farms Supply Chain Pvt. Ltd	Namdev Pawar	namdeviipm@gmail.com	7795999518
25	Kartik Agro Foods	Shivanna N	suryakiran029@gmail.com	9880501520
26	College of Horticultural Engineering and Food Technology. Devihosur	Responsible Person	thippannaks@gmail.com	917975460052
27	Vedhik Enterprises	Prop Rathnamma. A. V	vedhikfoodpvt15@gmail.com	8861822142
28	Karthik Agro Foods	Shivanna N	suryakiran029@gmail.com	9880501520
29	Natura Crop Care	Manoj Kumar R	rupamanoj@gmail.com	9742325266

30	ABI,ICAR-IIHR,Bengaluru	Dr B L Manjunath ,Nodal Officer	iihrbpd@gmail.com	080-28466373,9482079219
31	Eco Agripreneurs Pvt. Ltd.	Nagana Gouda Malkaji	ecoagripreneurs@gmail.com	9676598585
32	Sirigiri Corporate Pvt. Ltd.	Dr Shankar A Hallad	sirigiricorporate@gmail.com	9480598115
33	Amtita Herbal Extracts And Research Centre	Ganesh Nevarekar	ganeshnevarekar@gmail.com	94481 05381
34	Vaibhav Oxy Plus Pvt. Ltd.	Vijay Prashant Bhat	vaibhavoxypluspvt.ltd@gmail.com	7483365923
35	Agro Phero Solutionsz	Vishnu	agripheroaolutionz@gmail.com	9948111186
36	Madhu Bee Nursery	Madhu Keshwar Hegde	madhukeshwarjhegde@gmail.com	9480746335
37	CSIR-CFTRI , Licensee	Dr.Raghavendra.S.V.	raghavsadan@gmail.com	9110241890
38	Canara Bank	Shylaja K R	robktmipd@canarabank.com	7760616769
39	VFarmz Supplychain Pvt. Ltd.	Namadeva Pawar	namadeviipm@gmail.com	7795999518
40	Essential Nectar Pvt. Ltd.	Harish Gowda	harishgowdahs9@gmail.com	9916952312
41	Natural Foods	Anandakumar Patil	anandagouda2222@gmail.com	8748852422
42	Jayashree Products	Pushpa Vani	vanipushpnalla1977@gmail.com	9480899584
43	Village Oil Mill	Sandhya Rani	villageoilmillraic hur@gmail.com	9986740765
44	Microbi Agrotech Pvt. Ltd.	Prabhu C H	vikram@microbiagro.com	9741021922
45	Arcanebyte	Anantha Sharma	arcanebyte.labs@gmail.com	9606829269
46	SDM Millets	Narayan	narayanbalraddi@gmail.com	9686441166





## EXHIBITION STALLS AT START UP ALLEY

## VALEDICTORY PROGRAMME PROGRAMME SHEET

Date: 20-10-2022

Time: 03.00 pm

<b>Time</b>	<b>Session</b>	<b>Speaker</b>
3.00 pm- 3.05 pm	Nada Geethe	<b>Students,</b> CoH, Bagalkot
3.10 pm- 3.15 pm	Welcome Address	<b>Dr. Venkateshalu,</b> Nodal Officer, NAHEP-IDP, UHS Bagalkot
3.15 pm- 3.20 pm	Programme Report	<b>Dr. Raghavendra G.</b> Co-PI, NAHEP-IDP
3.20 pm- 3.30 pm	Address by Chief Guest	<b>Dr. B. Neeraja Prabhakar</b> Hon'ble Vice Chancellor SKLTSHU, Hyderabad, Telangana
3.30 pm- 3.40 pm		<b>Dr. P. Chandra Shekara</b> Director General, MANAGE, Hyderabad
3.40 pm- 3.50 pm		<b>Dr. S. A. Patil</b> Former Vice Chancellor UAS, Dharwad
3.50 pm- 4.00 pm		<b>Mrs. Sumitra Devi</b> Board member, UHS, Bagalkot
4.00 pm- 4.20 pm	Distribution of Awards/ Certificates	<b>By dignitaries</b>
4.20 pm- 4.30 pm	Felicitation to Chief Guest, Guests, Patrons, IDP Team & Student Volunteers	<b>By dignitaries</b>
4.30 pm -4.40pm	Presidential Address	<b>Dr. N. K. Hegde</b> Director of Education, UHS, Bagalkot
4.40 pm- 4.45 pm	Vote of Thanks	<b>Dr. R. K. Mesta</b> Principal Investigator, NAHEP-IDP, UHS Bagalkot
4.45 pm- 4.46 pm	<b>National Anthem</b>	
4.46 pm- 4.50 pm	<b>Group Photo Session</b>	

# Valedictory

20<sup>th</sup> Oct,2022

Three days All India Agri Start-up was concluded with a valedictory function with the gracious presence of **Dr Neeraja Prabhakar**, the Vice Chancellor of Sri Konda Laxman Telangana State Horticultural University, **Dr Chandrashekhar**, DG, MANAGE,



Ms. Sumitra Devi, Board member of UHSB and officers of the university, presided over the Dr N. K. Hegde, Vice Chancellor (I/C) and DoE of UHS, Bagalkot. Dr Venkateshalu, Co-organising secretary and Co-PI of NAHEP-IDP, welcomed the gathering and Dr Raghavendra Gunnaiah, Co-PI, presented the convention report.



## Details of Hackathon Winners:

Prize	Team	Title and Team Details
I	Team 10 (BEC Bagalkot)	Ethno Veterinary Product against Animal Ticks <ul style="list-style-type: none"> <li>• Spoorthi Kukarni</li> <li>• Shreya Bhat</li> <li>• Shivaleela</li> <li>• Dr. Bharati S Meti</li> </ul>
II	Team 03 (SKUAST, Kashmir)	Modified Pruning Tools with Robotic Technology for Apple Orchards <ul style="list-style-type: none"> <li>• Rafiya Mushtaq</li> <li>• Dr. Ab Raouf Malik</li> <li>• Dr Syed Danish Fayaz</li> </ul>
III	Team 02 (UAS, Bengaluru)	Development of Process Technology for the Production Of Natural Sweetener (Vegan Honey) And Jaggery Powder (Instant Halva) from Watermelon. <ul style="list-style-type: none"> <li>• Sridhar Naik R</li> <li>• Kavya R</li> <li>• Bharath</li> </ul>
III	Team 05 (COH, Munirabad)	Krishi Labour <ul style="list-style-type: none"> <li>• Goutam M Hosamani</li> <li>• D Mahimapatil</li> <li>• Vamshikrishna</li> <li>• Thippeswamy</li> <li>• Devaraj H</li> </ul>



Consolidated	Team 11 (CoA, Dharwad)	Miracle Maize Stem <ul style="list-style-type: none"> <li>• Malatesh Jadar</li> <li>• Venkatesh</li> <li>• Sandeep Patil</li> </ul>
Consolidated	Team 04 (College of Sericulture, Chintamani. UASB)	Wild Taro Based Biodegradable plastic for an effective replacement of inorganic plastic and as sustainability booster <ul style="list-style-type: none"> <li>• Ruchitha B R</li> <li>• Nischay C M</li> <li>• Vighnesha</li> <li>• Dr. Priyadarshini S K</li> </ul>



**Details of Oral Presentation Winners:**

Prize	Name	Title
I	Rafiya Mushtaq	“Modified pruning tools with sensor based automation for apple orchards”
II	Vishal Reddy	“Uberization of farm machines and tools”
III	Sinchana A. H	“Development of value added products from waste flowers”



**Details of Poster Presentation Winners:**

Prize	Name	Title
I	Santosh Badiger	“Customised Leaf, Wood Art And Framed With Resin”
II	Abhijna A M	“Areca nut Husk : Waste To Wealth”
III	Roopa Bai R S	“Startups In Value Addition of Fig Fruits : A Boon To Fig Growers”
	Shreya S Bhat	“Ethno Veterinary Product Against Animal Ticks using Biodiesel Industrial By-product”





**Details of Exhibition Winners:**



**Distribution of awards to Best Start-up Alley**