



Proceedings of  
**9<sup>th</sup> Regional Meeting**  
Indian Agricultural Universities Association  
on



**NEP-2020: Importance and Feasibility of Short Term  
and Certified Courses in Agricultural Universities**

**November 23-25, 2022**



**Editors**

**Dr. T. R. Ahlawat     Dr. Lalit Mahatma**  
**Dr. M. S. Sankanur     Dr. V. R. Naik**  
**Dr. Vipul Shinde**

**Organized by**

Navsari Agricultural University  
Navsari-396 450, Gujarat

**In Association with**

Indian Agricultural Universities Association  
New Delhi





NAVSARI AGRICULTURAL UNIVERSITY

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**Printed** : December, 2022

**Citation** : T. R. Ahlawat, M. S. Sankanur, Lalit Mahatma, V. R. Naik and Vipul Shinde (Ed.). 2022. Proceedings of 9<sup>th</sup> Regional Meeting of IAUA on “NEP-2020: Importance and feasibility of Short Term and Certified Courses in Agricultural Universities” held at Navsari Agricultural University Navsari, Gujarat, November 23-25, 2022, 25 p.

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**Publisher** : Navsari Agricultural University Navsari, Gujarat

**Published by** : Directorate of Research, Navsari Agricultural University, Navsari, Gujarat

**University Publication Number** : NAU/01/02/058/2022

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**Printed at** : Asian Printery, Near Talati Hall, Raipur Gate, Raipur, Ahmedabad- 380 001

### **Acknowledgement**

*We acknowledge the Indian Agricultural Universities Association (IAUA), New Delhi to organize this 9<sup>th</sup> Regional Meeting at NAU, Navsari. We are also grateful to the Navsari Agricultural University, Navsari for all support and permission to host 9<sup>th</sup> Regional Meeting of IAUA in the campus. We are grateful to all Hon'ble dignitaries for their participation and deliberations in this Regional Meeting.*



**Dr. Z. P. Patel**  
Vice Chancellor

## FOREWORD

'Short & long term certified course for skill development in agriculture & allied sciences' is crucial to meet increasing demand and supply gap and to minimize post-harvest losses. Moreover, these courses not only help impart to inculcate in 4 Es of skill development *i.e.* Education, Employability, Employment and Entrepreneurship through the formal education system to the students. Apart from these four pillars of skill development, Skilling, Upskilling, Reskilling and Skill development for value chain emphasize taking initiatives at grass root level for developing skills among the stakeholders in agriculture & allied sciences. In addition to this there is need to work out modalities for implementation of certified courses and short term certified courses for the skill development at national level as per need of local and global requirements. Apart from this vision, NEP-2020 is to instill skills, values and dispositions that support responsible commitment to human rights, sustainable development and living and global well-being, thereby reflecting a truly global citizen. Hence, there is an urgent need to adopt Short & long term certified courses for skill development in agriculture & allied sciences for food processing and fortification in ways that are sustainable.

I express my sincere gratitude to IAUA for selecting Navsari Agricultural University, Navsari to host this 9<sup>th</sup> Regional Meeting on NEP-2020: Importance and feasibility of Short Term and Certified Courses in Agricultural Universities. I feel happy that altogether 27 members including 12 Vice Chancellors and 15 representatives of Vice Chancellors participated offline in the meeting and there were six lead speakers deliberated on the various current topics related to the meet.

I am indebted to Dr. Rameshwar Singh, President of IAUA and Vice-Chancellor, BASU, Patna, all member Vice Chancellors of IAUA and Dr. Dinesh Kumar, Executive Secretary of IAUA for making this regional meet a success. I thank all Deans and Directors, committee members and support staff of Navsari Agricultural University, Navsari for working tirelessly for the success of the meet.

I heartily appreciate the efforts of associated committee of members of NAU, Navsari for organizing 9<sup>th</sup> regional Meet on NEP-2020: Importance and Feasibility of Short Term and Certified Courses in Agricultural Universities to discuss on various themes for the benefit of students and farming community and I am sure that this meet, will be fundamental to encourage the complex and holistic transformation necessary to achieve sustainable food and nutrition security skill development in agriculture & allied sciences. Last but not the least, I thank the IAUA, New Delhi for granting Navsari Agricultural University sponsoring this 9<sup>th</sup> Regional Meet.

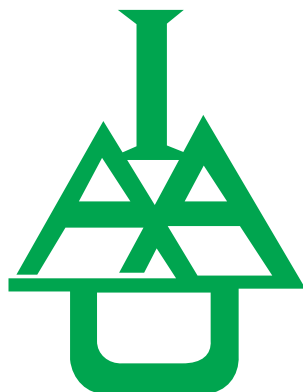
Date: 21-12-2022  
Navsari



(Z. P. Patel)



NAVSARI AGRICULTURAL UNIVERSITY



**Indian Agricultural Universities Association**  
New Delhi





Proceedings of  
9<sup>th</sup> Regional Meeting of  
Indian Agricultural Universities Association  
on



**NEP-2020: Importance and feasibility of Short Term and Certified Courses in Agricultural Universities**

**November 23-25, 2022**

**PROGRAMME SCHEDULE**

Day 1: November 23, 2022 (Wednesday)		
Time	Event	Venue
08:30 – 09:30 hrs	Breakfast	Guest House
10:00 – 11:30 hrs	Inaugural Ceremony	Central Examination Hall (CEH)
11:30 – 11:45 hrs	High Tea	
11:45 – 12:45 hrs	Theme 1: Conceptualization of certified courses in Agricultural Universities for technical and vocational skill development education	
Venue : Central Examination Hall (CEH)		
Chairperson	: Dr. Velugoti Padmanabha Reddy, Vice Chancellor, SVVU, Tirupati, Andhra Pradesh	
Co-Chairperson	: Prof. Balraj Singh, Vice Chancellor, SKNAU, Jobner, Rajasthan Dr. P. L. Patil, Vice Chancellor, UAS, Dharwad, Karnataka	
Rapporteurs	: Dr. Ruchira Shukla, Principal & Dean, AABMI, NAU, Navsari Dr. Vishal Thorat, Assistant Professor, AABMI, NAU, Navsari	
Time	Speakers	Topic/Venue
11:45 – 12:15 hrs	Dr. K. B. Kathiria, Vice Chancellor, AAU, Anand, Gujarat	Implementation of Certified Courses at AAU Anand
12:15 – 12:45 hrs	Dr. Ruchira Shukla, Principal & Dean, AABMI, NAU, Navsari	Short Term Certified Course for Skill Development in Agriculture
13:00 – 14:30 hrs	Lunch Break	Guest House
14:30 – 15:00 hrs	Dr. T. R. Ahlawat, Director of Research, NAU, Navsari	Outstanding Achievements and Contributions: NAU
15:00 – 15:45 hrs	Special session: Discussion on agenda items of IAUA	Dr. Dinesh Kumar Executive Secretary, IAUA, New Delhi
Venue : Central Examination Hall		

<b>Chairperson</b>	: Dr. Rameshwar Singh, Vice Chancellor, BASU, Patna, Bihar	
<b>Co-Chairperson</b>	: Dr. N. H. Kelawala, Vice Chancellor, KU, Gandhinagar, Gujarat	
<b>Rapporteurs</b>	Dr. R. M. Naik, Principal & Dean, NMCA, NAU, Navsari Dr. Ajay Narwade, Assoc. Professor & Head, Plant Physiology, NMCA, NAU, Navsari	
15:45 – 16:00 hrs	High Tea	Central Examination Hall
16:00 – 18:30 hrs	Visit to National Salt Satyagraha Memorial, Dandi	Dandi
19:00 – 20:30 hrs	Cultural Program	Central Examination Hall
20:30 – 22:00 hrs	Dinner	Guest House
<b>11:00 – 12:00 hrs</b>	<b>Plenary Session</b>	

Day 2 : November 24, 2022 (Thursday)		
07:00 – 12:00 hrs	Navsari to Statue of Unity, Kevadia	
12:00 – 12:45 hrs	Theme 2: Challenges and opportunities of NEP for development of short term certified courses in Agricultural Universities	
Venue : The Fern Sardar Sarovar Resort, Statue of Unity, Kevadia		
Chairperson	: Dr. Toleti Janakiram, Vice Chancellor, Dr YSRHU, Venkataramannagudem, Andhra Pradesh	
Co-Chairperson	: Dr. K. B. Kathiria, Vice Chancellor, AAU, Anand, Gujarat Dr. Indra Mani, Vice Chancellor, VNMKV, Parbhani, Maharashtra	
Rapporteurs	: Dr. Lalit Mahatma, Associate Director of Research, NAU, Navsari Dr. M. S. Sankanur, Assistant Professor, Dept. of FBTL, CoF, NAU, Navsari	
Time	Speakers	Topic/Venue
12:00 – 12:45 hrs	Prof. Balraj Singh Vice Chancellor, SKNAU, Jobner, Rajasthan	Agribusiness Opportunities in Agriculture and Horticulture
12:45 – 14:00 hrs	Lunch Break	Fern Sardar Sarovar Resort, Kevadia
14:30 – 17:30 hrs	Visit to The Statue of Unity - <i>World's tallest statue</i>	
17:30 – 22:00 hrs	Statue of Unity, Kevadia to Navsari	
Day 3 : November 25, 2022 (Friday)		
08:00 – 09:30 hrs	Breakfast	Guest House
09:45 – 10:45 hrs	Theme 3: NEP 2020- Developing future skills	
Venue : Central Examination Hall (CEH)		



<b>Chairperson</b> : Dr. R. M. Chauhan, Vice Chancellor, SDAU, Saradarkrushinagar, Gujarat		
<b>Co-Chairperson</b> : Prof. Samar Singh, Vice Chancellor, MPHU, Karnal, Haryana Dr. V. P. Chovatia, Vice Chancellor, JAU, Junagadh, Gujarat		
<b>Rapporteurs</b> : Dr. Alka Singh, Principal & Dean, ACoH, NAU, Navsari Dr. Alok Shrivastava, Asso. Professor & Head, Agril. Statistics, NMCA, NAU, Navsari		
09:45 – 10:15 hrs	Dr. Indra Mani Vice Chancellor, VNMKV, Parbhani, Maharashtra	Promoting Agripreneurship and Rural Enterprises through Short Term and Certified Course
10:15 – 10:45 hrs	Dr. N. H. Kelawala Vice Chancellor, KU, Gandhinagar, Gujarat	Realizing skill development in livestock sector through on-field trainings & short courses for doubling farmers income
10:45 – 11:00 hrs	High Tea	
Venue : Central Examination Hall (CEH)		
<b>Chairpersons</b> : Dr. Z. P. Patel, Vice Chancellor, NAU, Navsari Dr. Rameshwar Singh, Vice Chancellor, BASU, Patna, Bihar		
<b>Rapporteurs</b> : Dr. P. K. Shrivastava, Principal & Dean, CoF, NAU, Navsari Dr. K. G. Patel, Professor & Head, Agril. Chemistry, NMCA, NAU, Navsari		
12:00 – 14:00 hrs	Lunch	Guest House
Departure		

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## ABOUT THE EVENT

The Indian Agricultural Universities Association (IAUA) was established in November 1967 with the main objective to promote agricultural research, education and extension in the agricultural universities and the states and thereby rural development in the country. In order of fulfilment of its objective the IAUA organized 45 Vice Chancellors' Convention, 14 National Symposia, 10 Brain Storming Sessions and 8 Regional Meetings on various issues of national importance and priority related to agricultural research and education. In continuation of these efforts, the IAUA in collaboration with Navsari Agricultural University, Navsari, Gujarat organized 9<sup>th</sup> Regional Meeting on “NEP-2020: Importance and Feasibility of Short Term and Certified Courses in Agricultural Universities” during 23 – 25 November 2022. The Vice Chancellors of IAUA member agricultural universities deliberated on the aforesaid theme during three-day meet, touching the sub-themes, 'Conceptualization of Certified Courses in Agricultural Universities for Technical and Vocational Skill Development Education'; 'Challenges and Opportunities of NEP for Development of Short-term Certified Courses in Agricultural Universities' and 'NEP 2020: Developing Future Skills'.

## THEMES

**Theme 1:** Conceptualization of Certified Courses in Agricultural Universities for Technical and Vocational Skill Development Education

**Theme 2:** Challenges and Opportunities of NEP for Development of Short Term Certified Courses in Agricultural Universities

**Theme 3:** NEP 2020: Developing Future Skills

## ABOUT THE NAVSARI AGRICULTURAL UNIVERSITY, NAVSARI

The iconic educational and farmers welfare institute of the South Gujarat, Navsari Agricultural University (NAU) with Navsari as head quarter came into existence with the promulgation of Gujarat Agricultural University Act 2004 on May 1, 2004. Earlier Navsari was one of the campuses of erstwhile Gujarat Agricultural University. NAU's jurisdiction covers seven districts of South Gujarat. The constituent colleges of the university offering graduates and post graduates degrees in Agriculture, Forestry, Horticulture, Agricultural Engineering and Agribusiness Management. The NAU, Navsari has made noteworthy progress in its tripartite activities viz., Education, Research and Extension Education which matches with the growth in infrastructure and Human Resource Development since its inception. The University is the preferred destination for students, especially girls from all over India due to infrastructure facilities, specialized faculty members, student – teacher ratio and safe secure atmosphere of the campus. Research studies framed to cater the needs of farming community of South Gujarat has earned many awards to the faculty members at the state and national level. The scientific community along with KVK's have developed a very cordial relationship with the farming community of South Gujarat by providing technical guidance and recommendations which has helped in increasing the crop productivity and income. The cosmopolitan atmosphere of the University nurtures talent from all over India which ultimately helps in preparing a quality human resource serving the Agricultural sector all over the nation.

## ABOUT IAUA, NEW DELHI

Indian Agricultural Universities Association (IAUA) was established on 10th November, 1967. The founder member agricultural universities (9 only) and their VCs were: founder president Dr P.N. Thapar, Vice Chancellor, Punjab Agricultural University, Chandigarh (now Ludhiana); and members Shri V. Pulla Reddy, Vice Chancellor, Andhra Pradesh Agricultural University, Hyderabad (now Acharya N G Ranga Agricultural

University, Guntur); Dr. J.S. Patel, Vice Chancellor, Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur; Dr. D.P. Singh, Vice Chancellor, Uttar Pradesh Agricultural University (now Govind Ballabh Pant University of Agriculture & Technology), Pantnagar; Dr K. C. Naik, Vice Chancellor, University of Agricultural Sciences, Bengaluru; Dr. S.N. Das Gupta, Vice Chancellor, Kalyani University, Kalyani (now Bidhan Chandra *Krishi Vishwavidyalaya*, Mohanpur); Dr. K. Ramiah, Vice Chancellor, Orissa University of Agricultural & Technology, Bhubaneswar; Dr. G.S. Mahajani, Vice Chancellor, Udaipur University (now Maharana Pratap University of Agriculture & Technology), Udaipur; and Dr. M.S. Swaminathan, Director, Indian Agricultural Research Institute, New Delhi. The main objective of the Association is to promote agricultural research, education and extension in the universities and the states and thereby rural development in the country. It also acts as a bureau of information to facilitate communication, co-ordination and mutual consultation among agricultural universities.

Presently, IAUA has 71 member universities, which include 63 State Agricultural Universities; 4 Deemed to be Universities (CIFE, Mumbai, IARI, New Delhi; IVRI, Izatnagar; and NDRI, Karnal), 3 Central Agricultural Universities (CAU, Imphal; Dr. RPCAU, Pusa and RLBCAU, Jhansi) and one Central University with Agriculture Faculty (BHU, Varanasi). On specialization there are 44 Agricultural, 7 Horticultural, 17 Veterinary and Animal Sciences and 3 Fishery Science Universities. All the SAUs and institutions (deemed-to-be universities) and (Central Agricultural Universities) in India, which provide an integrated programme of teaching, research and extension education in agricultural sciences are qualified to become regular members of the Association. The IAUA organized 77 events since its establishment which includes 45 Annual Vice Chancellor's Convention, 14 National Symposia, 10 Brain Storming Sessions, 8 Regional Committee Meetings.

## INAUGURAL SESSION

The 9<sup>th</sup> Regional Meeting of Vice Chancellors of Indian Agricultural Universities Association (IAUA) kicked off at Navsari Agricultural University emphasizing the theme: 'NEP-2020: Importance and Feasibility of Short Term and Certified Courses in Agricultural Universities' from November 23-25, 2022.

The inaugural ceremony was blessed by the virtual presence of Hon'ble Minister of State for Agriculture and Farmers' Welfare, Govt. of India Shri Kailash Choudhary as Chief Guest; Dr. Z. P. Patel, Vice Chancellor, NAU Navsari as President; Shri Kiranbhai Patel, Jt. MD, ASPEE Group of Companies, Mumbai and Dr. Kishorsinh Chavda, Vice Chancellor, VNSGU, Surat as Guests of Honour. Dr. Rameshwar Singh, President of IAUA and Vice-Chancellor, BASU, Patna and Dr. Dinesh Kumar, Executive Secretary of IAUA as Special Guest. Delegates of around 30 universities from Andhra Pradesh, Bihar, Chhattisgarh, Gujarat, Haryana, Himachal Pradesh, Jammu and Kashmir, Jharkhand, Karnataka, Maharashtra, Punjab, Rajasthan, Tamil Nadu, attended the meet.





Dr. Z. P. Patel welcomed all the dignitaries and highlighted the strengths of NAU with regard to technologies such as novel, bio-fertilizers, bio-pesticides, fruit fly trap, banana pseudo stem etc. He also mentioned the importance of skill development in Indian youths through certified courses and urged all the Vice Chancellors to make collaborative efforts. While inaugurating the meeting through virtual mode Hon'ble Minister of State Shri. Kailash Choudhary extolled the Vice Chancellors to have a futuristic approach regarding the agricultural education. He shared the fact that, “India's share is only 1% when it comes to total number of students enrolled in agricultural education globally and 27% of those enrolled in higher education in all the disciplines in India. He proposed to increase these figures to 9% and 50% respectively by 2033.” He targeted a 15% increase in intake of students in agricultural universities every year.



During the inaugural ceremony, a document '*Parivartan-Change for the Development*' was released by the dignitaries which is a compilation of the key initiatives taken by Dr. Z. P. Patel as Vice Chancellor for the transformation of the university into knowledge power centre.

The Guest of Honour, Shri Kiranbhai Patel, Jt. MD, ASPEE Group of Companies, Mumbai expressed his gratitude for being associated with NAU since a long time. He briefed the delegates about ASPEE Agricultural Research and Development Foundation and highlighted the various activities they carry out through the foundation. Dr. Kishorsinh Chavda, Guest of Honour at the event congratulated NAU for achieving grand success in various activities in very short span of time and working for the betterment of farming community of South Gujarat.

Dr. Rameshwar Singh, President of IAUA shared that the motto behind formation of the Association was to act as a bridge between Agricultural Universities and ICAR as well as Government of India. He said “we have to make efforts to attract youth in agriculture to reduce the global issues like food crisis and climate change.”

Dr. Dinesh Kumar, Executive Secretary of IAUA applauded the management and hospitality of NAU during the meeting. He said, “NAU has raised the bar for other universities to organise such events in near future.” He spoke about IAUA, history of formation, founding members and various activities taken place so far.

The inaugural session ended with the Vote of Thanks by the Organizing Secretary Dr. Timur Ahlawat, Director of Research and Dean PG Studies, NAU, Navsari.







Group photo of Participants



Dr. Z. P. Patel, Vice-Chancellor, NAU Navsari addressing the electric media after the inaugural function



## Day 1 (November 23, 2022)

### **THEME: CONCEPTUALIZATION OF CERTIFIED COURSES IN AGRICULTURAL UNIVERSITIES FOR TECHNICAL AND VOCATIONAL SKILL DEVELOPMENT EDUCATION**

Rapporteurs were Dr. Ruchira Shukla, Principal & Dean, AABMI, NAU, Navsari and Dr. Vishal Thorat, Assistant Professor, AABMI, NAU, Navsari

The session was chaired by Dr. V. P. Reddy Vice Chancellor, SVVU, Tirupati, AP and Co-chaired by Prof. Balraj Singh, Vice Chancellor, SKNAU, Jobner, Rajasthan and Dr. P. L. Patil, Vice Chancellor, UAS, Dharwad, Karnataka.

#### **Topic: Implementation of Certified Courses at AAU Anand**

**Speaker:** Dr. K. B. Kathiria, Vice Chancellor, AAU, Anand, Gujarat

Dr. K. B. Kathiria, Vice Chancellor, AAU, Anand, Gujarat made first presentation on the topic 'Implementation of Certified Courses at AAU Anand'. Dr. Kathiria highlighted the recommendations made in National Education Policy-2020 regarding integration of vocational education programmes into mainstream education. He presented the details of various Certified Courses being implemented at Anand Agricultural University, Anand for making rural youth self-sufficient. The certificate courses offered by AAU are Training in Baking Technology, Commercial Poultry Technology, Gardening, Landscaping and Nursery Management, Food Processing Technology, Vocational Course on Agricultural Engineering and Technology at Godhra and Landscape gardening at Vadodara, Diploma in Agricultural Extension Services for Input Dealers (IDEA) and Certificate course on Soil and Water Testing for Sustainable Agriculture.

The duration of these certified courses is from 21 days to 1 year with the objective of imparting theory and practical knowledge in the respective topic of the training in order to make them self-sufficient. He also informed the participants of these training have started their own consultancy and businesses. Most of the Scheduled Tribe students are availing the benefits of Vocational course on Agricultural Engineering and Technology at Godhra.

He shared that short term Special Training Programs are also offered by AAU for farmers / Extension workers / Entrepreneur in various fields like organic farming, weed management, integrated pest management, seed production and medicinal and aromatic plants.

He also circulated a book containing information regarding all these certified and short-term courses being implemented at AAU among the dignitaries. He threw some light on polytechnics in SAUs of Gujarat and the D2D programme for higher studies and mentioned about the national release policy book on 'Diploma Education on Agriculture and Allied Disciplines in SAUs of Gujarat'.

#### **Topic: Short Term Certified Course for Skill Development in Agriculture**

**Speaker:** Dr. Ruchira Shukla, Principal & Dean, AABMI, NAU, Navsari

The second presentation was made by Dr. Ruchira Shukla, Principal & Dean, AABMI, NAU, Navsari on the topic 'Short Term Certified Course for Skill Development in Agriculture'. While introducing the concept she emphasized



on 4 Es of skill development *i.e.* Education, Employability, Employment and Entrepreneurship. She also focused on various entrepreneurial skills those should be imparted through formal education system to the students. She talked on four pillars of skill development, Skilling, Upskilling, Reskilling and Skill development value chain. Government of India is also taking initiatives at national level for developing skills among the stakeholders in agriculture. Dr. Shukla emphasized that Agriculture Skill Council of India (ASCI) identified skill requirements in various sectors in agriculture and developed 176 qualification packs in sectors like Farm Mechanization, Agricultural Crop Production, Precision Farming & Irrigation, Amenity Horticulture, Dairy Farming, etc.

The Navsari Agricultural University (NAU) also imparts training through various short and long term vocational/certificate courses like certificate course on Insecticides Management for Insecticides Dealers/Distributors, Greenhouse/Net house (*Rakshit kheti*), Turf Grass Management, Integrated Nutrient Management for Fertilizer dealers, Bakery, Tailoring, Agri Clinics and Agribusiness Centres Training (AC & ABC), Plant Tissue Culture training for women, Landscaping and Gardening, Nature & Wildlife Photography, Bamboo Products, etc. with the duration ranging from 15 days to 1 year. Dr. Shukla ended her presentation suggesting that all skill development programs should emphasize innovation and entrepreneurship and curriculum design, examination, assessment and certification processes should be structured in consultation with the industry and sectoral experts to bring in the market requirements.

### Topic: Outstanding Achievements and Contributions: NAU, Navsari

**Speaker:** Dr. T. R. Ahlawat, Director of Research, NAU, Navsari

The third presentation was made by Dr. T. R. Ahlawat, Director of Research, NAU, Navsari on the topic 'Outstanding Achievements and Contributions: NAU, Navsari. During his presentation he highlighted the Nauroji Stonehouse Fruit Fly Trap which was designed, developed and commercialized by Dr. Z. P. Patel, Vice Chancellor, Navsari Agricultural University, Navsari which is eco-friendly, economical and easily adoptable by farming community. The University has very good set up for the fruit fly trap production (Nauroji Stone house Fruit Fly Trap).

It is very much cost effective and about 2.50 lakh Nauroji Stone house fruit fly trap which were sold over last 16 years and which benefited 81,840/ha by spending merely Rs. 350/ha as per the estimate of 2009, which would have further increased in the recent context. Furthermore, the NAU has released 105 high yielding good quality varieties of various crops including 18 varieties of cotton, 20 varieties of rice, 9 varieties of sugarcane, 8 varieties of sorghum, 8 varieties of nagli, 4 varieties of pigeon pea, 4 of adenium, 3 each varieties of turmeric, vari, Indian bean and moong, 2 varieties each of niger and mango ginger, 1 variety each of cowpea, sunnhemp, little gourd, pointed gourd, castor, brinjal, tomato, malabarneem, urd bean, greater yam, sesbania, elephant foot yam and okra.

The NAU, Navsari bagged an NAIP Project on “Value addition chain of banana pseudostem” which was strengthened under NAHEP-CAAST Sub-project. Under this project various products like fibre, paper, cellulose powder, organic liquid fertilizer, candy, etc. have been prepared. Further, university has patented technologies for i) Preparation of Novel Organic Fertilizer from Banana pseudostem and ii) Preparation of



Candy from central core of Banana pseudostem. The NAU, Navsari has recently signed an International MoU with Accrued Gains Pvt. Ltd., Botswana and Novel Holding Inc., USA for the commercial scale production and marketing of Banana Pseudostem based Organic Liquid Nutrient “NOVEL” (internationally patented technology) in entire Africa and USA. These patented technologies have been commercialized and retransferred to 41 private companies of India.

The University has very good set up for research on liquid Bio fertilizer Production under “Bio fertilizers Production Unit”. The NAU has developed six types of liquid bio fertilizers using locally native microbes like *Azotobacter chroococcum*, *Rhizobium*, *Gluconacetobactor diazotrophicus*, *Azospirillum lipoferum*, phosphorus solubilizing bacteria like *Bacillus megaterium var. phosphaticum* and potash mobilizing bacteria *Fraturia aurantia*. University produced more than 8 lakh litres of different Biofertilizers & Biopesticides since the inception of this project. Under Mega Seed Project, NAU has produced 66617 q of breeder, foundation, truthful and certified seeds, 69090 q of sugarcane setts, 100.55 lakh saplings of various fruits and vegetables, 25.44 lakh tissue culture plantlets of sugarcane and banana. Furthermore, NAU has also 54,000 kg trichoderma, 2.50 lakh fruit fly trap, etc over last 16 years.

Moreover, NAU also bagged, a World Bank funded and Government of India ICAR sponsored project under CAAST component of NAHEP entitled “Establishment of Secondary Agriculture Unit for skill development at NAU, Navsari for PG Students and Farmers” has been implemented since 2018. Under the project, university purchased advanced equipments, plant & machineries for strengthening of existing units of the project and created state of art facilities at Post Harvest Technology, Forest Products Utilization, Forest Biology and Tree Improvement, Banana Pseudostem Unit, Forest Quality Test Laboratory and Livestock Production Management. So far three existing units of CAAST are ISO certified with food safety management & quality management. At present eight entrepreneurs, more than 50 contemporary bamboo & wood products, 12 products from fruits & vegetables and two organic banana liquid nutrients from banana, four mobile applications, two web-applications developed under the aegis of NAHEP-CAAST sub-project. Based on the evaluation made by PIU, ICAR, New Delhi for the year 2021-22 NAU, Navsari stood 2<sup>nd</sup> amongst 14 SAUs/ICAR institutes at National level. The Bamboo Resource Centre at College of Forestry has bambusetum having 34 bamboo species, bamboo nursery, bamboo preservations setup, bamboo workshop, bamboo based agroforestry model, bamboo based handicrafts viz., Bamboo Gate, Bamboo Fencing, Bamboo Wall Paneling, Bamboo Gazebo, Bamboo Furniture, etc.

He also threw light on Niche Areas of Excellence :

1. A value chain from banana pseudostem
2. Post-harvest technologies of various horticultural crops
3. Production technologies of liquid bio-fertilizer and biopesticides
4. Production technologies of bamboos and its value addition
5. Production technologies of wooden and bamboo decorates

Dr. Ahlawat also covered various digital initiatives by viz., NAU SSO Portal, CMS-based University website management, NAU Drive Portal, SMS portal with API Integration, NAU Tour Management Portal, NAU University ERP Software, NAU Sampark Setu, NAU Online Guest House room booking Management portal, NAU Webmail Service, Social Media Presence, NAUSAGAR- NAU's Blogging-cum-social media platform, NAU EMPLOYEE DIGITAL ID-CARD, Online PG Admission Portal for SAUs of Gujarat, E-class Portal, NAU Online Examination system (MCQ Based), NAU Dean PG-Module, NAU Live Streaming Activities, E-Shop Portal, E-Market portal, Kisan Mitra mobile app 1.0 & 2.0, Agricultural Experiment



Monitoring System. He also highlighted that about 15 patents filed by NAU, Navsari faculties. At the end he threw light on indoor sports facilities viz., Six Table-Tennis Tables, Two Badminton courts with wooden flooring and State of the Art Gymnasium facility with an area of 2200 sq. ft area and outdoor sports facilities with four turf grass wickets of boundary 65 m from wicket along with 400 meters 8 Lane Tracks for Athletics.

In the panel discussion at the end of the session Dr. V. P. Reddy, Chairperson of the session applauded both the presenters for their informative presentations. He also appealed participants that those who want to implement short term vocational/certified courses at their respective universities can take lead from SAUs of Gujarat. Prof. Balraj Singh, co-chair of the session appreciated SAUs in Gujarat for leading in short term courses since long time and said that time has come to replicate it in various other agricultural universities in the country. Dr. P. L. Patil, another co-chair of the session noted that topics of the presentation are well thought and will be helpful in enhancing farmers income in near future.

## RECOMMENDATIONS OF THEME-1

1. House emphasized the national release policy book on 'Diploma Education on Agriculture and Allied Disciplines in SAUs of Gujarat' and the modalities in diploma education in agriculture and allied disciplines should be decided at national level for better career prospects of diploma students.
2. All skill development programmes should emphasize innovation and entrepreneurship and curriculum design, examination, assessment and certification processes should be structured in consultation with the industry and sectoral experts to bring in the market requirements.
3. Skill development in agriculture has to go beyond classroom models and include community participatory learning, farmer field schools and other innovative models.
4. The short-term courses model of SAUs of Gujarat needs to be replicated in other AUs in the country for the benefit of stakeholders.
5. The modalities of diploma education in agriculture and allied disciplines needs to be decided uniformly at national level for better career prospects of diploma students.

## SPECIAL SESSION: DISCUSSION ON AGENDA ITEMS OF IAUA

Rapporteurs were Dr. R.M. Naik, Principal & Dean, NMCA, NAU, Navsari and Dr. Ajay V Narwade, Associate Professor & Head, Dept. of Plant Physiology, NMCA, NAU, Navsari

At the outset, Chairman of the Session and President, IAUA Dr. Rameshwar Singh, welcomed the Vice Chancellors/Deans/Directors and Co-chaired by Dr. N. H. Kelawala, Vice Chancellor, KU, Gandhinagar, Gujarat and gave a brief account of ongoing activities of the IAUA. Thereafter, Dr. Dinesh Kumar, Executive Secretary, IAUA, New Delhi presented the agenda items of IAUA in this special session. Agenda- wise discussion/chairman's remarks/opinion of the house are as follows:

### Agenda 1: Membership number of IAUA to the Universities

Providing IAUA membership number to the member universities.

**Chairman's comments:** This will be put-up in the executive committee of IAUA and further decision will be taken up during the General Body meeting of IAUA to be held in December 2022.

**House:** Agreed

### Agenda 2: Response to IAUA secretariat requests

Many times, the IAUA has to provide compiled information to ICAR/DARE/other organizations for which member AUs need to provide the requisite information.

**Chairman's comments:** Nominate the Nodal officer from each university, who will follow up the request from IAUA on regular basis and thereby IAUA will response within stipulated time. Those members universities of IAUA, who had still not nominated Nodal officer are requested to nominate the Nodal officer and provide the correspondence details to IAUA.

**House:** Agreed

### Agenda 3: IAUA News letter

Improvement of IAUA Newsletter

**Chairman's Comments:** The IAUA to write to all University members of IAUA to get the feedback for IAUA newsletter.

**House:** Agreed

### Agenda 4: Annual membership

Timely payment of Annual membership and providing payment details to IAUA for record.

**Chairman's comments:** Members university should sent the annual membership and payment/transaction details timely.

**House:** Agreed

### Agenda 5: New VCs Information

Information of newly appointed Vice Chancellors may be shared with IAUA for maintaining the record and seniority.

**Chairman's comments:** Inform to all the members university of IAUA to sent the details of new Vice Chancellors along with the tenure details.

**House:** Agreed

### Agenda 6: Nodal Officer at Member Universities

IAUA Nodal officer may be designated/nominated at member AUs where not done so far.

**Chairman's comments:** All the members university of IAUA are requested to appoint IAUA Nodal officer for better coordination with the IAUA. (Also discussed at Agenda 2 above)

**House:** Agreed

### Agenda 7: Information about University for IAUA website

Information about University for IAUA website may be provided to IAUA.

**Chairman's comments:** Inform to all the members university of IAUA to send the one-page information (University profile) for IAUA website and also periodically the new development of technology or emerging issues related to farmers.

**House:** Agreed

### Agenda 8: IAUA Regional Meeting

Clarity about the “Regional” word used for organizing the regional meeting of IAUA. Brief back ground information about IAUA regional meeting history was, that earlier IAUA had categorized all member AUs into four regions, to hold four regional meeting of IAUA in a year. But it was never been conducted on regional basis. The Executive Committee of IAUA has already decided to hold Brainstorming Session instead of Regional Meeting.

**Chairman's comments:** Instead of four regional meetings of IAUA, one brain storming session, along with one National Symposium and one Vice Chancellors Convention per year can be organizing looking to the busy schedule of the Vice Chancellors

This suggestion can be put up before the executive committee and later in the General Body meeting of IAUA and this maybe the last regional meeting of IAUA if it is approved in the General Body Meeting of IAUA.

**House:** Agreed

**Agenda 9: Former VCs participation in Brainstorming Session, National Symposium, VC's Convention to have the benefits of their experience in different areas.**

**Chairman's comments:** The Host University of IAUA event may invite one or two formers Vice Chancellors of member AUs. The host University can manage other sponsors for funds to meet out the extra expenditure. All these suggestions will be put up before the Executive Committee and later discussion will be taken in the General Body Meeting of IAUA.

**House:** Agreed

**Agenda 10: One policy paper in one year**

The IAUA may bring out at least one policy paper in one year on emerging issue of material importance in the areas of agricultural and allied research, education and extension education.

**Chairman's comments:** All the member universities of IAUA may try to submit/develop at least one policy paper in one year for greater visibility and outreach of IAUA. Chairman suggested to all members that one policy papers may be written and submit to the IAUA on issues like on oilseed shortage, GM mustard, gene editing, organic farming, bio fertilizers, and so on.

Dr. Z.P. Patel, Vice Chancellor, NAU, Navsari, Gujarat suggested to bring clarity about the natural farming and organic farming. There should be wider discussions and on there subjects we should distinguish between natural farming and organic farming. Chairman suggested to organize the brain storming sessions for this and invite the concern expertise during these sessions.

Prof. Balraj Singh, Vice Chancellor, SKNAU, Jobner, Rajasthan suggested two aspects for policy papers, 1) Beekeepers and pollination services, and 2) Quality planting material in horticulture.

Chairman suggested that these aspects will be taken up in the Executive Committee and later put up in the General Body Meeting of IAUA for final decision.

**Agenda 11: Any other agenda with kind permission of the Chair**

Dr. Toleti Jankiram, Vice Chancellor, Dr. YSRHU, Venkataramannagudem, Andhra Pradesh had suggested:

- i. Provide certificated of IAUA membership to the university so that they can display in their university.
- ii. ICAR University ranking should be categorized into large, medium and small and ranks can be awarded accordingly to the Universities from ICAR.

In response of points raised by Dr T. Janaki Ram, pointwise remarks of the Chairman are as follows:

- i. Certificate of IAUA membership will be issued, it is under consideration and process.
- ii. Need more discussion and take up in the executive committee and later in the General Body Meeting of IAUA.

The Chairman Dr. Rameshwar Singh, further suggested to utilize the digital platform for online discussion and meetings of IAUA with a new agenda and innovations. Create a platform of think tank on various aspects like Nano technology and other technologies.



He assured the house that all these suggestions will be put up before the executive committee and later in the General Body Meeting of IAUA for final decision.

**House:** Agreed.

**The Session ended with the vote of thanks to the Chair and Co-Chair.**

## Day 2 (November 24, 2022)

### **THEME : CHALLENGES AND OPPORTUNITIES OF NEP FOR DEVELOPMENT OF SHORT TERM CERTIFIED COURSES IN AGRICULTURAL UNIVERSITIES**

Rapporteurs were Dr. Lalit Mahatma, Associate Director of Research, NAU, Navsari and Dr. M. S. Sankanur, Assistant Professor, Dept. of FBTI, CoF, NAU, Navsari

The session was chaired by Dr. Toleti Janakiram, Vice Chancellor, Dr YSRHU, Venkataramannagudem, Andhra Pradesh and Co-chaired by Dr. K. B. Kathiria, Vice Chancellor, AAU, Anand, Gujarat and Dr. Indra Mani, Vice Chancellor, VNMKV, Parbhani, Maharashtra

### **Title: Agribusiness Opportunities in Agriculture and Horticulture**

**Speaker:** Dr. Balraj Singh, Vice Chancellor, SKNU, Jobner, Rajasthan

Dr. Balraj Singh, Vice Chancellor, SKNU, Jobner (Rajasthan) made a presentation on “Agribusiness Opportunities in Agriculture and Horticulture”. He appreciated the presentation of Dr. K.B. Kathiria, Vice Chancellor, AAU, Anand and Dr. Ruchira Shukla, Dean, AABMI, NAU, Navsari on the implementation of certified courses and short term certified courses for the skill development. As per his vision, NEP-2020 is to instill skills, values and dispositions that support responsible commitment to human rights, sustainable development and living and global well-being, thereby reflecting a truly global citizen. The challenges of the agri-entrepreneurship are (i) Youths are production oriented- Skills and knowledge on PHM, quality improvement, export potential, etc. are lacking (ii) No mentoring support (iii) Limited Resource Mobilization- Technical, financial and institutional, and (iv) Scale of production and marketing is not upto the mark. He meticulously explained about the past, present and future prospects of value addition, infrastructure development and export of various agricultural commodities for the earning foreign exchange. The exceptionally well organized and managed examples cited by him on the development of pomegranate processing units at Balotra (Dist. Barmer), green house clusters with solar power and water harvesting facilities at the Basedi (Dist. Jaipur) and polytunnels in Haryana. The need of raising healthy nursery for the vegetables & fruits as well as vegetable grafting was extensively discussed.

In the panel discussion at the end of the session Dr. Toleti Janakiram, Vice Chancellor, Dr YSRHU, Venkataramannagudem, Andhra Pradesh & Chairperson of the session applauded the presenter Prof. Balraj Singh for his enlightening presentations. Dr. K. B. Kathiria, Vice Chancellor, AAU, Anand, Gujarat and co-chair of the session highlighted raising healthy nursery for the vegetables & fruits as well as vegetable grafting that time has come need of the hour. Dr. Indra Mani, Vice Chancellor, VNMKV, Parbhani, Maharashtra another co-chair of the session noted that topic of the presentation were well thought and benefit to achieve the goal of skill development in agriculture & allied science in near future.



## RECOMMENDATIONS OF THEME-2

House emphasized suggested titles for the skill oriented short courses are

1. Agriclinic and agribusiness centre
2. Landscaping and nursery
3. Organic production/ food chain
4. Bio-Pesticide production & marketing
5. Seed processing and marketing
6. Soil & water testing laboratory
7. Tissue culture unit
8. Vermicomposting/organic manuring
9. Pisciculture
10. Dairy, Poultry, Piggery, Goatery
11. Production of biocontrol agents
12. Mushroom cultivation
13. Animal feed unit
14. Biofertilizer production and marketing
15. Cultivation and processing of medicinal plants
16. Farm machinery unit/Custom hiring centre
17. Any other edge cutting topic of training/workshops related to agriculture & allied sciences.

**A booklet to be published by IAUA consisting of short term skill courses.**

### Day 3 (November 25, 2022)

## THEME : NEP 2020: DEVELOPING FUTURE SKILLS

Rapporteurs were Dr. Alka Singh, Principal & Dean, ACoH, NAU, Navsari and Dr. Alok Shrivastava, Asso. Professor & Head, Agril. Statistics, NMCA, NAU, Navsari

The session was chaired by Dr. R. M. Chauhan, Vice Chancellor, SDAU, Saradarkrushinagar, Gujarat and Co-chaired by Prof. Samar Singh, Vice Chancellor, MPHU, Karnal, Haryana and Dr. V. P. Chovatia, Vice Chancellor, JAU, Junagadh, Gujarat

**Title: 'Promoting Agripreneurship and rural enterprises through short term and certified course.'**

**Speaker:** Dr. Indramani, Hon'ble Vice Chancellor, VNMKV, Parbhani, MS

Dr. Indramani highlighted the importance of mechanization and smart agriculture technologies like drone, robotics and digitalization. He further stressed upon that education should serve as job provider rather than



seeker, hence skills should be given more emphasis. He further very well stressed upon the need of value added graduate degree with add-on specialization in a specific sub-sector (based on student interest) in different sectors of agriculture, horticulture and forestry. He presented the initiatives of training and certificate courses at IARI of varying duration from two months, three months and one year, which are paid and the entry is based on education and age with some age relaxation for female. He also presented various PG Diploma being offered at IARI like Soil testing, Fruit production practices and Nursery management, Seed production, processing and quality control, Organic farming, Data science and analytics, Abiotic stress management in field and horticultural crops. He further presented various vocational trainings and certificate courses being offered at VNKV like Beekeeper, Spice Processing Technician, Squash & Juice Processing, Sericulture, Fruit Pulp Processing, etc.

### **Title: 'Realising skill development in livestock through on field trainings and short courses for doubling farmers income'**

**Speaker:** Dr. N. H. Kelawala, Hon'ble Vice Chancellor, Kamdhenu University, Gandhinagar

Dr. N. H. Kelawala, VC Kamdhenu University, Gandhinagar during his lecture emphasized on sustainable growth in rural economy with improved care and management of livestock, clean milk production and value addition and improved fisheries production and societal status (Aquarium, Ornamental, etc.).

He emphasized upon skill development for micromanagement of Livestock, through continuous training programs through extension wing, KVK, animal husbandry department and ATMA. He presented the working model of 'Mera Gaon Mera Gaurav' wherein a cluster of five village are adopted by each college at KU for livestock care through ToT. He further presented different arena of trainings being provided at Kamdhenu University in different sectors like basic training of farmers, advanced training of farmers e.g. Need based and specific field oriented, training modules for livestock inspector / paravets, AI technician, animal nutritionist, poultry practitioner, veterinary officers, training for Village level workers in tune with dairy co-operatives, etc. He highlighted need of short term trainings on different aspects like Cheese making, Dairy, Ornamental fisheries, Aquaculture, Pet care, Pet grooming (3 days to 3 weeks). He also gave emphasis upon digitization through android applications like eGopala, NDDB, Agrimedia, etc and initiation of Total Animal Husbandry (AH) solutions (3 years) for the adopted villages.

In the panel discussion at the end of the session Dr. R. M. Chauhan, Chairperson of the session applauded the presenters for their edifying presentations. Prof. Samar Singh, co-chair of the session highlighted to publish a booklet by IAUA consisting of short term skill courses running at various SAUs/CAUs of the country. Dr. V. P. Chovatia, another co-chair of the session noted that topic of the presentation were well thought and helps benefit to achieve the goal of doubling of farmers' income.





## RECOMMENDATIONS OF THEME-3

1. There is need of upscaling of village adoption on rotational basis, on field frugal need based innovation, digitalization, e.g. INAPH, Database, strengthen *Pashu Vigyan Kendra*, *Dairy Vigyan Kendra*, *Matsya Vigyan Kendra*, Animal Science Information Centre, Centre of Excellence and Community Radio Station.
2. Need based of short term trainings on different aspects like cheese making, dairy, ornamental fisheries, aquaculture, pet care, pet grooming (3 days to 3 weeks) may be developed at universities.

## PLENARY SESSION

Chairpersons & Dignitaries	Dr. Z. P. Patel	VC, NAU, Navsari
	Dr. Rameshwar Singh	VC, BASU, Patna, Bihar & President IAUA
	Dr. N. H. Kelawala	VC, Kamdhenu University, Gandhinagar
	Dr. Dinesh Kumar	Secretary, IAUA, New Delhi
Rapporteurs	Dr P. K. Shrivastava	Dean, College of Forestry, NAU, Navsari
	Dr K. G. Patel	Professor, Soil Science & Ag. Chemistry, NAU, Navsari

## Glimpses of Plenary Session



Dignataries on dais



Presentation of rapportuer report of Theme-1 by Dr. Lalit Mahatma, Associate Director of Research, NAU, Navsari





Presentation of rapportuer report of Theme-2 by Dr. Ruchira Shukla, Principal, AABMI, NAU, Navsari



Presentation of rapportuer report of Theme-3 by Dr. Alka Singh, Principal & Dean, ACoH, NAU, Navsari



Feedback by Dr. Toleti Janakiram, Hon'ble Vice Chancellor, Dr. YSRHU, Venkataramannagudem, Andhra Pradesh



Feedback by Prof. Balraj Singh, Hon'ble Vice Chancellor, SKNAU, Jobner, Rajasthan



Feedback by Dr. V. P. Chovatia, Hon'ble Vice Chancellor, JAU, Junagadh, Gujarat



Replay about Q & A related to IAUA by Dr. Dinesh Kumar, Executive Secretary, IAUA





Participants of IX IAUA Regional Meet held at NAU-Navsari



Participants of IX IAUA Regional Meet held at NAU-Navsari

Address by Dr. Z. P. Patel, Hon'ble Vice Chancellor, NAU, Navsari



Address by Dr. Rameshwar Singh, President IAUA & Hon'ble Vice Chancellor, BASU, Patna, Bihar

Vote of Thanks by Dr. T. R. Ahlawat, Director of Research, NAU, Navsari



Dr. Ruchira Shukla, Dean, AIABM, NAU presented the report of Theme-I “Conceptualization of Certified courses in Agricultural Universities for technical and vocational”. In which two presentations were made. Dr Kathiria, VC, AAU, gave the outline of short term vocational and certified courses being conducted at Anand Agricultural University with emphasis on skill development. His emphasis was on integration of short-term courses in main stream Agriculture education incorporating NEP 2020 needs to be adapted. Short term vocational courses conducted successfully in SAU's of Gujarat could be readily adopted by other SAU's of India. He said few more courses may also be integrated / redesigned to meet the industry demand for better employability. Subsequent discussions on integration and accreditation of diploma holders who aspire for degree courses needs to be authenticated by ICAR. It is as per the NEP 2020 policy and being followed since several decades in Gujarat. In general, it was found that employability of graduates who join after diploma programmes, have an edge and practical orientation over degree holders, especially in field-oriented jobs.

Dr. Lalit Mahatma, ADR, NAU presented the report of Theme II realizing skill development through short and long term courses for doubling of famers' income. The challenges of specific skills, quality training, mentoring to develop skills that could compete the foreign market demands, needs to be addressed. Suggestions on several short- and long-term courses that can be taken up by the Universities based on limited resources was the highlight of the session. It was also mentioned that a booklet will be published by IAUA giving possible short / long-term courses.

Dr. Alka Singh, presented the report of 3<sup>rd</sup> technical session Theme III NEP 2020 – Developing future skills. The presentation of Dr Indra Mani Mishra, VC, VNMKV, Parbhani, emphasized on the short-term technology-based certificate courses of Agricultural Engineering like use of Mechanization, Drones, Artificial Intelligence, and Sensors. He also pointed out that Industrial linkage and start up and collaborations will help in effective implementation of NEP 2020. Dr. N H. Kelawala, KU, Gandhinagar, in his presentation enlisted number of courses, both online and offline which have tremendous scope to cater the medical needs of animals.

Dr. Rameshwar Singh, President of IAUA thanked Dr Z P Patel, the Vice Chancellor of NAU for all the arrangements made for hosting the Conference which shall have lasting impressions on the memory of all dignitaries. He said that this Conference has raised the bars of IAUA conferences. Later, he pointed out that after COVID, due to Russia – Ukraine war, newer challenges are on the horizon in Agricultural Sector, in addition to inflation and climate change; billions of people are getting affected due to food crisis. He remarked that NAAS should safe guard the agriculture policy based on scientific facts instead of traditional beliefs and unproven dogmas. He also remarked that although, we have been running short term training courses; but they could be further improved by incorporating technology, which has lot of scope of skill development in agriculture sector.

Dr. Z. P. Patel, Vice Chancellor, NAU, thanked all the guest Vice Chancellors and their representatives from various Universities of India. He appreciated the efforts put in by the faculties of the University in making this conference successful. He also revealed that one of the objectives of this national event was to give exposure to the university faculties and about the possibilities of skill development courses in line to adopt NEP 2020 in the University. He expressed his gratefulness to the IAUA and all the attendees who cooperated and attended the 3-day event at Navsari, on a very short notice. Lastly, he invited other Universities for future liaising for the welfare of students and farmers.

**Few of the esteemed members in the house in their concluding remarks expressed following feelings:**

- Good experience of visits to NAU, appreciated the committed team of university which makes such events successful.
- Vibrancy of the state was seen in working of NAU staff as well as students. The cultural programme was very well appreciated which depicted the folk dances of different states in India.
- Delegates congratulated the team Navsari, for the manner in which the flags were arranged outside the meeting hall, which gave a feeling of belongingness to IAUA members.
- Efforts made by the faculty members and supporting staff who were directly or indirectly involved in the organization of this Meet was appreciated by the delegates.
- It was requested that IAUA may write to ICAR on CAS and to release the share of ICAR for payment of pending arrears of 7<sup>th</sup> pay.

Lastly, Dr. Timur Ahlawat delivered the Vote of Thanks to all the invited guests, Vice Chancellors and IAUA and our own VC for making the grand event memorable.

## List of attendees of Hon'ble Vice Chancellors & Representatives of SAUs/CAUs in the 9<sup>th</sup> Regional Meeting of IAUA at NAU, Navsari

Sr. No.	Name & University	Photo
1.	<b>Dr. Rameshwar Singh</b> <b>Vice Chancellor</b> BASU, Patna, Bihar E-mail: vicechancellorbasu@gmail.com Mob: 9472864654	
2.	<b>Dr. N. H. Kelawala</b> <b>Vice Chancellor</b> KU, Gandhinagar, Gujarat E-mail: vc@kamdhenuuni.edu.in Mob: 7573035101	
3.	<b>Dr. Toleti Janakiram</b> <b>Vice Chancellor</b> Dr YSRHU, Venkataramannagudem, Andhra Pradesh E-mail: vc@drysru.edu.in Mob: 7382633666	
4.	<b>Dr. Velugoti Padmanabha Reddy</b> <b>Vice Chancellor</b> SVVU, Tirupati, Andhra Pradesh E-mail: vcsvvu@gmail.com Mob: 9247232368	
5.	<b>Dr. Z. P. Patel</b> <b>Vice Chancellor</b> NAU, Navsari, Gujarat E-mail: vc@nau.in Mob: 9099963219	
6.	<b>Dr. R. M. Chauhan</b> <b>Vice Chancellor</b> SDAU, Saradarkrushinagar, Gujarat E-mail: vc@sdau.edu.in Mob: 9427014744	

7.	<b>Dr. K. B. Kathiria</b> <b>Vice Chancellor</b> AAU, Anand, Gujarat E-mail: vc@aaui.in Mob: 9998009960	
8.	<b>Prof. Samar Singh</b> <b>Vice Chancellor</b> MPHU, Karnal, Haryana E-mail: vc@mhu.ac.in Mob: 7015998910	
9.	<b>Dr. Balraj Singh</b> <b>Vice-Chancellor</b> SKNAU, Jobner, Rajasthan E-mail: vc@sknau.ac.in Mob: 9811271303	
10.	<b>Dr. Indra Mani</b> <b>Vice Chancellor</b> VNMKV, Parbhani, Maharashtra E-mail: vcvmkv@gmail.com Mob: 9868656885	
11.	<b>Dr. V. P. Chovatia</b> <b>Vice Chancellor</b> JAU, Junagadh, Gujarat E-mail: vc@jau.in Mob: 9879644344	
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13.	<b>Dr. Dinesh Kumar</b> <b>Executive Secretary</b> IAUA, New Delhi E-mail: esiaua.newdelhi@gmail.com Mob: 9811129226	



14.	<b>Dr. P. S. Shekhawat</b> <b>Director of Research</b> SKRAU, Bikaner, Rajasthan E-mail: dor@raubikaner.org Mob: 9414604614	
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16.	<b>Dr. Sarvpreet Singh Ghuman</b> <b>Dean, Veterinary Science</b> GADVASU, Ludhiana, Punjab E-mail: deancovsldh@gadvasu.in Mob: 8146237600	
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25.	<b>Dr. Naveen Kumar</b> <b>Associate Director (Research)</b> CSKHPPKV, Palampur, Himachal Pradesh E-mail: nkumarhp@gmail.com Mob: 9418149173	
26.	<b>Dr. Bharat Bhushan</b> <b>Joint Registrar (Academics)</b> SKUAST-Jammu, J & K E-mail: vc@skuast.org Mob: 94191 58729	
27.	<b>Dr. C. Vanniarajan</b> <b>Dean, ADAC &amp; RI</b> TNAU, Coimbatore, Tamil Nadu	

# Navsari Agricultural University

Navsari - 396 450, Gujarat

## Local Organizing Committees for 9<sup>th</sup> Regional Meeting of IAUA held during November 23-25, 2022

### Technical Sessions/presentations Committee

1.	<b>Dr. T. R. Ahlawat</b>	<b>Director of Research</b>	<b>Convener</b>
2.	Dr. K. G. Patel	Professor & Head, NMCA	Co-Convener
3.	Dr. Ajay Narwade	Professor & Head, NMCA	Member
4.	Dr. Alok Shrivastava	Professor & Head, NMCA	Member
5.	Dr. Swati Sharma	Asst. Professor, AABMI	Member
6.	Dr. M. S. Sankanur	TO, DR office	Member

### Coordination & Correspondence Committee

1.	<b>Dr. H. V. Pandya</b>	<b>Registrar</b>	<b>Convener</b>
2.	Dr. Vipul Shinde	TO, VC office	Co-Convener
3.	Mr. Avneep Nair	PS, VC office	Member
4.	Mr. Jigar Vyas	Sr. Clerk, VC office	Member

### Decoration Committee

1.	<b>Dr. Alka Singh</b>	<b>Dean, Horticulture</b>	<b>Convener</b>
2.	Dr. Hardik Shah	Asst. Professor, CoH	Co-Convener
3.	Dr. Shivam Bhatt	Asst. Professor, CoH	Member
4.	Prof. Parmeshvari Chaudhari	Asst. Professor, CoH	Member
5.	Dr. Sudha Patil	Asst. Professor, CoH	Member

### Inaugural & Plenary sessions Committee

1.	<b>Dr. Lalit Mahatma</b>	<b>Assoc. Director of Research</b>	<b>Convener</b>
2.	Dr. Alpesh Leua	Assoc. Prof., CoH	Co-Convener
3.	Dr. S. C. Mali	Res. Scientist, Sugarcane	Member
4.	Dr. Rajesh Gunaga	Assoc. Prof. & Head, CoF	Member
5.	Dr. Manjushree Singh	Asst. Professor, NMCA	Member

### Food Committee

1.	<b>Dr. R. M. Naik</b>	<b>Director of Students Welfare</b>	<b>Convener</b>
2.	Dr. K. D. Desai	Principal, Poly. Horticulture	Co-Convener
3.	Dr. Pathik Patel	ARS, MRRS, SWMRU	Member
4.	Prof. Jaimin Naik	Asst. Professor, NMCA	Member
5.	Prof. R. T. Khatri	Asst. Professor, NMCA	Member



### Exhibition/Stall Committee

1.	<b>Dr. V. R. Naik</b>	<b>Assoc. Director of Research</b>	<b>Convener</b>
2.	Dr. J. M. Patel	Res. Scientist, SWMRU	Co-Convener
3.	Dr. Sagar Patil	Professor & Head, NMCA	Member
4.	Dr. Dev Raj	Professor & Head, ACHF	Member
5.	Dr. Kalubhai Rakholiya	Professor & Head, NMCA	Member
6.	Dr. Jayesh Pathak	Asst. Professor, CoF	Member

### Lodging/Accommodation Committee

1.	<b>Er. P. R. Pandey</b>	<b>Executive Engineer</b>	<b>Convener</b>
2.	Dr. V. R. Naik	Assoc. Director of Research	Co-Convener
3.	Dr. Deni Tandel	Rector, NMCA	Member
4.	Dr. M. D. Khunt	Asst. Rector, Int. hostel	Member
5.	Mr. Sanjay Rabari	Sr. Clerk, EE office	Member

### Transportation Committee

1.	<b>Dr. H. M. Virdia</b>	<b>Librarian</b>	<b>Convener</b>
2.	Dr. Amit Lathiya	Planning officer	Co-Convener
3.	Dr. Sandip M. Patel	Asstt. Professor, CoF	Member
4.	Dr. Sanjay Pradhan	Asst. Professor, NMCA	Member
5.	Dr. Harshal Patel	C&P Res. Station	Member
6.	Dr. N. M. Thesiya	Asst. Professor, NMCA	Member

### SoU Kevadia Arrangement Committee

1.	<b>Dr. N. M. Chauhan</b>	<b>Director of Extension Edu.</b>	<b>Convener</b>
2.	Dr. P. D. Verma	Head, KVK Dediapada	Co-Convener
3.	Dr. C.D. Pandya	Head, KVK Vyara	Member
4.	Dr. Sumit Salunkhe	SMS, KVK Navsari	Member
5.	Dr. Vipul Shinde	TO, VC office	Member

### Cultural Event Committee

1.	<b>Dr. Ruchira Shukla</b>	<b>Dean, AABMI</b>	<b>Convener</b>
2.	Dr. Ajay Narwade	Assoc. Prof. & Head, NMCA	Co-Convener
3.	Dr. Mahesh Desai	Asstt. Registrar (ADM.) and Asstt. Professor, CoF	Member
4.	Dr. Tulsi Gurjar	Asst. Professor, CoH	Member
5.	Dr. Gopal Chopda	Asstt. Professor, NMCA	Member



<b>Dandi Arrangement Committee</b>			
1.	<b>Dr. P. K. Shrivastava</b>	<b>Dean, Forestry</b>	<b>Convener</b>
2.	Dr. Sandip M. Patel	Asstt. Professor, CoF	Co-Convener
3.	Dr. Vipul Parekh	Asst. Professor, CoF	Member
<b>Master of Ceremony Committee</b>			
1.	<b>Dr. Mehul Thakkar</b>	<b>Assoc. Professor, AABMI</b>	<b>Convener</b>
2.	Prof. Jaimin Naik	Asst. Professor, NMCA	Co-Convener
3.	Dr. Swati Sharma	Asst. Professor, AABMI	Member
<b>Press / Media Committee</b>			
1.	<b>Dr. N. M. Chauhan</b>	<b>Director of Extension Edu.</b>	<b>Convener</b>
2.	Dr. S. D. Kavadi	Assoc. Professor, DEE	Co-Convener
3.	Dr. Sumit Salunkhe	SMS, KVK Navsari	Member
4.	Dr. Vishal Thorat	Asst. Professor, AABMI	Member
<b>Photography and Videography Committee</b>			
1.	<b>Dr. O. P. Sharma</b>	<b>Nodal officer, Publication cell</b>	<b>Convener</b>
2.	Dr. Gaurang Patel	To, DR Office	Co-Convener
3.	Dr. Bhavesh Chaudhary	Asst. Professor, AABMI	Member
4.	Dr. Yogesh Garde	Asst. Professor, NMCA	Member
<b>Finance Committee</b>			
1.	<b>Shri. Chirag Naik</b>	<b>Comptroller</b>	<b>Convener</b>
2.	Dr. Odhavji Vadaviya	Asst. Professor, NMCA	Co-Convener
3.	Shri. Narendra Patel	Account officer	Member
<b>Gift/memento Committee</b>			
1.	<b>Dr. Abhishek Shukla</b>	<b>Assoc. Prof. &amp; Head, NMCA</b>	<b>Convener</b>
2.	Dr. Nitin M. Patel	Asst. Professor, NMCA	Co-Convener
3.	Dr. Chirag Desai	Asst Res Scientist, SWMRU	Member
4.	Dr. Sachin Patel	Asst. Professor, NMCA	Member
<b>Liaison officers</b>			
1.	<b>Dr. T. R. Ahlawat</b>	<b>Director of Research</b>	<b>Convener</b>
2.	Dr. Lalit Mahatma	Assoc. Director of Research	Co-Convener
3.	Dr. Vipul Shinde	TO, VC office	Member



## MEDIA COVERAGE OF THE EVENT

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WWW.INDIANEXPRESS.COM  
THE INDIAN EXPRESS, MONDAY, NOVEMBER 21, 2022

### NAU PIONEERING IAUA VICE CHANCELLORS' REGIONAL MEETING IN GUJARAT

Vice Chancellors of Agricultural, Horticultural, Veterinary and Fisheries universities across the country will assemble at Navsari Agricultural University (NAU) from November 23-25, 2022 to have deliberations on 'National Education Policy (NEP)-2020 and the importance and feasibility of Short Term and Certified courses in Agricultural Universities' at the 9th regional meeting of Indian Agricultural Universities Association (IAUA). The event is being jointly organised by NAU and IAUA. NAU Vice Chancellor, Dr Z. P. Patel said, "It feels immensely proud and privileged as the gathering of Vice Chancellors of Agricultural, Horticultural, Veterinary and Fisheries universities is taking place first time in the history of NAU." He also informed that Hon'ble Minister of State for Agriculture and Farmers' Welfare, Gol Kailash Choudhary as a Chief Guest at the inaugural ceremony of the event will boost the august gathering of the event. Kiranbhai Patel, Jt. MD, ASPEE Group of Companies, Mumbai and Dr Kishorsinh Chavda, Vice Chancellor, Veer Narmad South Gujarat University, Surat and Dr Rameshwar Singh, acting President of IAUA and Vice Chancellor of Bihar Animal Science University, Patna, will be the Guest of Honour at the inaugural session. Dr Dinesh Kumar, Executive Secretary of IAUA will give his introductory remarks during the inaugural session. Dr Timur Ahlawat, Director of Research and Dean PGS, NAU is the organising secretary of this event. Delegates from over 35 universities from UP, Himachal Pradesh, Maharashtra, Gujarat, Odisha, Bihar, Rajasthan, Punjab, Karnataka, Chhattisgarh, Jharkhand have confirmed their participation so far.

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WWW.INDIANEXPRESS.COM  
THE INDIAN EXPRESS, MONDAY, NOVEMBER 28, 2022



### IAUA VC'S FIRST-EVER MEET IN GUJARAT AT NAU, NAVSARI

Indian Agricultural Universities Association (IAUA)'s 9th Regional Meeting on 'National Education Policy (NEP)-2020 and Importance and feasibility of Short Term and Certified courses in Agricultural Universities' attended by around 30 Vice-Chancellors and representatives of different Agricultural Universities of India was inaugurated at Navsari Agricultural University (NAU), Navsari. The inaugural event was graced by the virtual presence of Kailash Choudhary, Hon'ble Minister of State, Agriculture and Farmers Welfare, Government of India as Chief Guest. The event was inaugurated with a welcome address by Dr Z. P. Patel, Hon'ble Vice Chancellor, NAU and President of the ceremony. Speaking as a Guest of Honour, Kiranbhai Patel, Jt. MD, ASPEE Group of Companies, Mumbai expressed his gratitude for being associated with NAU for a long time. He introduced about ASPEE Agricultural Research and Development Foundation and highlighted the various activities they carry out through the foundation. The inaugural session ended with a vote of thanks delivered by the organizing secretary Dr Timur Ahlawat, Director of Research and Dean of PG Studies, NAU, Navsari.



નવસારી 22-11-2022

### દેશની કૃષિ યુનિ.ના કુલપતિઓની ત્રિદિવસીય પ્રાદેશિક મિટિંગ નવસારીમાં યોજાશે

ભાસ્કર બ્યૂરો નવસારી

'પ ઈન્ડિયન એગ્રીકલ્ચરલ યુનિવર્સિટી એસોસિએશન (IAUA), નવી દિલ્હી અને નવસારી કૃષિ યુનિવર્સિટીના સંયુક્ત ઉપક્રમે નવસારી કૃષિ યુનિવર્સિટીમાં દેશની કૃષિ યુનિવર્સિટીના કુલપતિઓની 9મી પ્રાદેશિક મિટિંગ 23થી 25 નવેમ્બર દરમિયાન યોજનાર છે. જેનો મુખ્ય હેતુ 3 જુદી જુદી થીમો આધારિત વૈજ્ઞાનિક માહિતીસભર અને કૌશલ્યવર્ધન શિક્ષણને લગતા લાંબા અને ટૂંકાગાળાનાં પ્રમાણિત શૈક્ષણિક વર્ગો તૈયાર કરવાના

છે. આ શૈક્ષણિક વર્ગોના માધ્યમથી વૈજ્ઞાનિક માહિતી સાથે કૌશલ્યસભર યુવાનોને તૈયાર કરવા તથા દેશનાં અર્થતંત્રમાં મોટું યોગદાન આપનાર ખેડૂત સમાજને આ ટૂંકાગાળાનાં કૌશલ્યવર્ધનયુક્ત કોર્સ દ્વારા તેમની આવક બમણી કરવા દેશભરની કૃષિ યુનિવર્સિટીનાં કુલપતિઓ આ ત્રિદિવસીય મિટિંગમાં ભાગ લઈ વિવિધ કોર્સના માળખાં તૈયાર કરશે. આ હેતુને પરિપૂર્ણ કરવા માટે નવસારી કૃષિ યુનિવર્સિટીનાં કુલપતિ ડો. એસ. પી. પટેલે રાજ્ય અને દેશની કૃષિ યુનિવર્સિટીનાં કુલપતિઓને આ મિટિંગમાં ભાગ લેવા માટે અરજ કરી છે.



નવસારી 24-11-2022

### કૃષિ યુનિ.ના કુલપતિઓની બેઠકનો પ્રારંભ વ્યવસાયલક્ષી નવા શોર્ટ ટર્મ અને સર્ટીફિકેટ કોર્સ બાબતે ત્રણ દિવસ ચર્ચા કરાશે

ભાસ્કર બ્યૂરો નવસારી

પ ઈન્ડિયન એગ્રીકલ્ચરલ યુનિવર્સિટી એસોસિએશન (IAUA) અને નવસારી કૃષિ યુનિવર્સિટીના સંયુક્ત ઉપક્રમે નવસારી કૃષિ યુનિવર્સિટીમાં દેશની કૃષિ યુનિવર્સિટીનાં કુલપતિઓની 9મી પ્રાદેશિક મિટિંગ યોજાઈ છે. આ પ્રાદેશિક મિટિંગના અધિવેશનમાં નવસારી કૃષિ યુનિવર્સિટીના કુલપતિ ડો. એસ. પી. પટેલે રાજ્ય અને દેશની કૃષિ યુનિવર્સિટીનાં કુલપતિઓને આ મિટિંગમાં ભાગ લેવા માટે અરજ કરી છે.

વર્ચુઅલ માધ્યમથી શિક્ષણનીતિ, કૃષિ વિકાસ તેમજ IAPUની સ્વંયના દ્વારા રોજગાર સર્જન અને ખેડૂતોની આવક બમણી કરવા માટે નવી તાલીમકોશો વિકાસ અને સંશોધનથી મહત્વ ધરાવે અપીલ કરી હતી. અંતિમ વિષય તરીકે વીએનએસજીયુના કુલપતિ ડો. કિશોરસિંહ એન. ચાવડા, જોઈન્ટ એમડી અમ્લી સુષ એક કેમ્પનીના કિરમણી એલ. પટેલ, મુખ્ય મહેમાન તરીકે IAUAના ડો. રામેશ્વરસિંહ અને ડો. હિનેમલુભાઈ તથા કુલ વિશ્વિષ કૃષિ યુનિ.ના 30 કુલપતિ ઉપસ્થિત રહ્યા હતા. નવસારી કૃષિ યુનિ.માં નવી શિક્ષણ



નવસારી કૃષિ યુનિ.માં નવા શોર્ટ ટર્મ અને સર્ટીફિકેટ કોર્સ બાબતે ત્રણ દિવસ ચર્ચા કરાશે. નવસારી કૃષિ યુનિ.માં નવા શોર્ટ ટર્મ અને સર્ટીફિકેટ કોર્સ બાબતે ત્રણ દિવસ ચર્ચા કરાશે. નવસારી કૃષિ યુનિ.માં નવા શોર્ટ ટર્મ અને સર્ટીફિકેટ કોર્સ બાબતે ત્રણ દિવસ ચર્ચા કરાશે.





**Organized by**  
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