



वार्षिक प्रतिवेदन (२०२३-२४)
Annual Report (2023-24)

National Agricultural Higher Education
Project (NAHEP)
Component-2@NAARM



भाकृअनुप-राष्ट्रीय कृषि अनुसंधान प्रबंध अकादमी
ICAR-National Academy of Agricultural Research Management

Rajendranagar, Hyderabad-500030, Telangana, India

<https://naarm.org.in>



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Citation

National Agricultural Higher Education Project (NAHEP) Component-2 A. NAARM, 2023. Annual Report (2023-24). ICAR- National Academy of Agricultural Research Management, Rajendranagar, Hyderabad-500030, Telangana, India, pp 1-37

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**National Agricultural Higher Education Project (NAHEP) Component-2 A
ICAR- National Academy of Agricultural Research Management (NAARM), Rajendranagar,
Hyderabad-500030, Telangana, India**

Preface

It is with great pleasure that I present the Annual Report for Financial Year 2023-24 of the National Agricultural Higher Education Project (NAHEP) Component 2 at ICAR – National Academy of Agricultural Research Management. This report highlights the achievements, R&D progress, and challenges encountered during the year in implementing the project's objectives.

The NAHEP is a flagship project of the Indian Council of Agricultural Research that aims to enhance the quality and relevance of agricultural higher education in India, the Component 2 titled as “Investments in Indian Council of Agricultural Research Leadership in Agricultural Higher Education” is headed by ICAR- Indian Agricultural Statistics Research Institute, New Delhi, while ICAR- National Academy of Agricultural Research Management (NAARM) as a Collaborating Center addresses five of total nine objectives independently.

This financial year major activities were strengthening Career Development Centers (CDCs) and finding various policy issues to make these CDCs sustainable as scheme of ICAR/SAUs, therefore several regional workshops are done and policy recommendations were made. Research studies are done on ‘Academia-Industry’ linkages. Faculty Development Center (FDC), GBPUAT, Pantnagar has been developed under NAARM component of NAHEP, now it has been approved by Board of Management of the university. The academic leadership training-cum-workshop was done at FDC.

Student awareness programmes on ‘Soft skills and entrepreneurship development’ have been done in around 60 SAUs but the less privileged group of rural students in Hindi speaking belt need more such programmes, therefore more than 200 students were exposed through one-day awareness programmes at UP and Uttarakhand.

I express my gratitude to Dr D. Thammiraju, Dr NS Rao and all other Co-PIs at NAARM, project staff, officers and staff in Administrative and Finance sections at NAARM. I am thankful to Dr R.C. Agrawal, National Director, NAHEP, Dr Ch Srinivasa Rao, Director, NAARM, Dr Anuradha Agrawal, National Coordinator, Dr Sudeep, Principal Investigator, and Dr G. Venkateshwarlu, JD, NAARM. The model certificate course on skill development could happened because of support and guidance from Dr MS Chauhan, Vice Chancellor, GBPUAT, Shri Kunwar Shekhar Vijendra, Chancellor, Shobhit University, Dr SK Kashyap, Dean, Agriculture, GBPUAT. We acknowledge the support received from Dr Naresh Malik, Principal, CCRD College, Muzaffarnagar, and Dr BL Kushwaha, Principal RMP College, Gurukul Narsan. The Chairman, Vice Chairman of CDC/FDC and their committee members also deserve all appreciations. The contributions from Dr Sarjan Rao, Dr IM Khan and Dr Kaushik Pradhan were very innovative, I thank them for all support. I hope that this report will serve as a valuable resource for all those interested in agricultural education and contribute to the development of policies and programs to enhance the quality of agricultural education in India.

(SK Soam)

**Principal Investigator, NAHEP Component-2
Collaborating Centre, ICAR-NAARM, Hyderabad**

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1. NAHEP Component 2A – An overview

Component 2: Investments in ICAR Leadership in Agricultural Higher Education

This component aims to finance institutional reforms within ICAR to enhance ICAR's effectiveness in coordinating, guiding and managing agricultural higher education. It also aims to enhance ICAR's interactions with Agricultural Universities(AUs) and key stakeholders nationwide through interventions that increase the quality and relevance of agricultural higher education. Goods, training, consultant services and non-consulting services and incremental operating costs are financed under this component. It majorly includes the followings:

- Assessing options in the administration and award of ICAR's technical and financial assistance to AUs;
- Structuring dialogue with State governments to catalyze their participation in raising the quality and relevance of agricultural higher education;
- Providing assistance to participating AUs for the development of IDPs, CAASTs and Innovation Plans;
- Establishing partnerships with globally recognized agricultural higher education institutions;
- Developing digital information systems for agricultural data collection, analysis and dissemination;
- Improving curricula review processes and methods to consolidate and disseminate global best-practices in agricultural education;
- Improving the all-India entrance examination in agriculture, including an on-line national examination system;
- Adopting next-generation management systems covering information, procurement, contract and financial management areas;
- Coordinating an External Advisory Panel of renowned agricultural education experts;
- Assisting agricultural universities to strengthen their linkages with industry; and
- Promoting the establishment of centres for career development at agricultural universities.

A. Project Objectives

At ICAR-IASRI

1. To develop ICT infrastructure as technical assistance to AUs.
2. To develop digital information systems for agricultural education, data collection, analysis and dissemination.
3. To develop and implement next-generation management systems covering information in regard to procurement to contract management and financial management areas.

At ICAR-NIAP

4. To develop the mechanism for online all-India entrance examination system in agriculture.

At ICAR-NAARM

5. To establish partnerships with globally recognized agricultural higher education institutions.
6. To promote the establishment of career development centre at agricultural universities.
7. To improve curricula review processes and methods to consolidate and disseminate global best practices in agricultural education.
8. To assist agricultural universities in strengthening their linkages with industry.
9. Structuring dialogue with the state government to catalyse their participation in raising the quality and relevance of agricultural higher education.

B. Project Cost

Total NAHEP Comp 2A Budget: **INR 6941.513 Lakhs**

Budget for ICAR-NAARM: **INR 1704.173 Lakhs**

C. Project Beneficiaries

The beneficiaries of NAHEP during FY 2023-24 comprises **494** participants including **406** Male and **88** Female from SAUs, CAUs, Deemed Universities, Central University with Agriculture Faculty and Foreign Participants from the USA and other countries.

Abstract of Beneficiaries from activities held at ICAR-NAARM

S. No	Programme Title	Coordinator	Number of Beneficiaries (Female)
1.	Training Workshop on “Fostering Academic Leadership in Agriculture” during 04 - 08 September, 2023	Dr D Thammi Raju	31(03)
2.	Review Meeting of Career Development Centers(CDCs) and Faculty Development Center(FDC)	Dr N Srinivasa Rao	08
3.	Policy Dialogue on Agricultural Education System in USA and Potential Collaboration with India on 07 September 2023	Dr Senthil Vinayagam	70
4.	One Day Workshop on Sustainability of Career Development Centres at ChaudharySarwan Kumar Himachal Pradesh Krishi Vishvavidyalaya (CSKHPKV), Palampur on 04 October 2023	Dr N Srinivasa Rao	56(14)
5.	One-day workshop on Sustainability of Career Development Centres - Kerala Veterinary and Animal Sciences University (KVASU), Pookode, Wayanad, Kerala on 07 November 2023	Dr N Srinivasa Rao	50(17)

S. No	Programme Title	Coordinator	Number of Beneficiaries (Female)
6.	One day Workshop on Sustainability of Career Development Centres (CDCs) at Anand Agricultural University, Anand, Gujarat on 10 October, 2023	Dr N Srinivasa Rao	34(01)
7.	One day Awareness Workshop Development of Soft Skills for Entrepreneurship Among Agri Graduates - कृषि-उद्यमिता निमित्त छात्रोपयोगी ज्ञान एवं कौशल विकास पर एकदिवसीय कार्यशाला at RMP PG College, Gurukul Narsan on 19 January 2024	Dr SK Soam Dr N K Malik	109(36)
8.	One day Awareness Workshop “Development of Soft Skills for Entrepreneurship Among Agri Graduates - कृषि-उद्यमिता निमित्त छात्रोपयोगी ज्ञान एवं कौशल विकास पर एकदिवसीय कार्यशाला at CCRD (PG) College, Muzaffarangar on 05 December 2023	Dr SK Soam Dr B L Kushwaha	100(10)
9.	10 days Training cum Certificate Course on Drone Technology in Agriculture during 04-13 December 2023. In collaboration with GBPUAT held at Shobhit University, Meerut	Dr Sahadev Singh Dr SK Kashyap Dr V V Sumanth Kumar	36(7)
Total			494(88)

Abstract of Beneficiaries from Career Development Centres (CDC) and Faculty Development Centre (FDC) during FY 2023-24

#	Centre Type and University Name	No. of Programme organized	Number of Beneficiaries (Female)
1.	CDC at CAU Imphal	02	180(97)
2.	CDC at IGKV Raipur	22	1866(602)
3.	CDC at SKNAU Jobner	11	857(519)
4.	CDC at SVVU Tirupati	05	1065(444)
5.	CDC at UBKV Cooch Behar	05	194(109)
6	FDC at GBPUAT Pantnagar	02	89(36)
Total		47	4251(1807)

2. Snapshot Information of Activities

FY 2023-24

Total number of trainings/workshops organised	56
Total number of beneficiaries(female)	4745(1895)
Number of institutions benefitted in the country	100+

Direct beneficiaries of the project activities in FY 2023-24 include students, faculty from, State Agricultural Universities (SAUs), who are directly involved in the workshops/trainings under component 2 throughout the country.

Beneficiaries	Proposed Project Benefits
Students	<ul style="list-style-type: none">• Creation of awareness regarding innovativeness and entrepreneurship in the agricultural sector among agricultural graduates• Development of soft skills among the undergraduate students of Agricultural Universities
Faculties	<ul style="list-style-type: none">• Capacity building through online trainings and workshops for effective education delivery among SAUs.

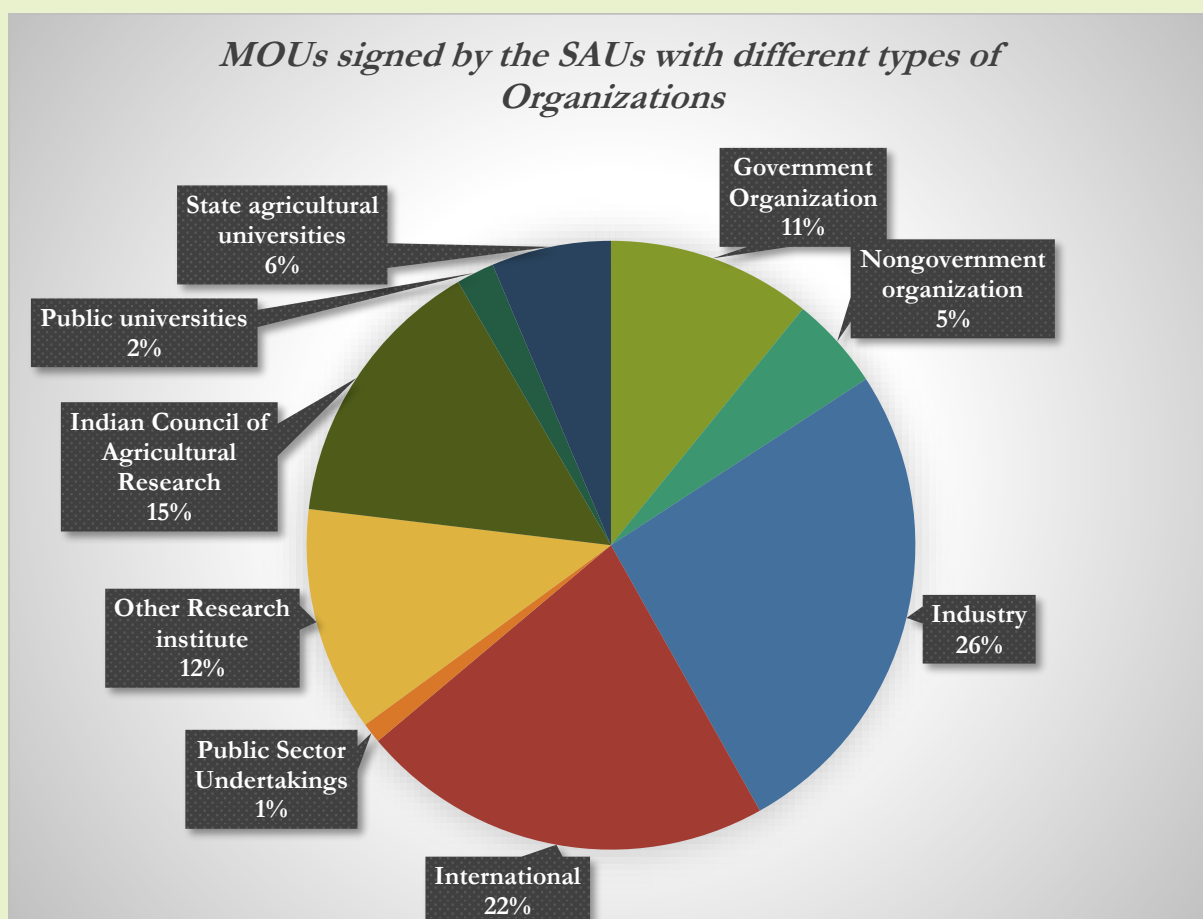
3. NAHEP Component 2A - Significant Achievements

The academy has been assigned five objectives of component 2. The achievements under each objective of the project during FY 2023-24 are presented below:

Objective 5: To establish partnerships with globally recognized agricultural higher education institutions

➤ Study of existing MoUs of ICAR/AUs with foreign universities

MoUs from all Indian agricultural universities and ICAR have been collected and studied to analyse the existing areas of linkages among higher education institutions. Total of 667 MoUs of State Agricultural Universities and ICAR with the higher education institutions and foreign universities have been studied. Based on the review of MoUs, a model template of MoU has been developed.



➤ Developed a national network of inspired teachers in all disciplines across India

A web portal to enter the database of inspired teachers throughout the country was developed. So far, detailed information on 1600 faculties is collected from 50 universities and entered into

the database. The efforts are being done to upload this database of “Inspired Teachers of NARS” on the ICAR website with restricted access.

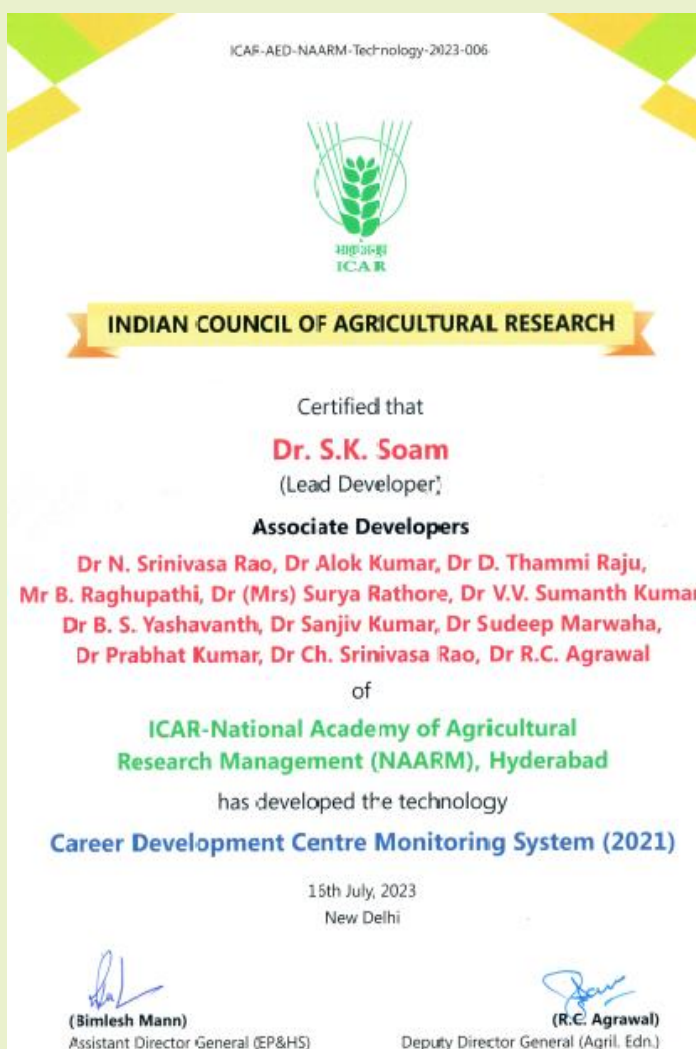
➤ **Developed National Web Portal for SAU Alumni**

The framework of a National Web Portal for the Agricultural Universities Alumni was developed after wide consultations during the meeting held at NAARM on January 22, 2020, where stakeholders from IASRI, New Delhi as well as Academia and Industry participated. As per the agreed responsibility, the IASRI, New Delhi was to develop the online platform, and ICAR-NAARM was to develop the format of a dataset, collect it and contribute to the national portal. The online platform has been developed and as an initial input, NAARM has provided the dataset of approximately 5000 alumni of various SAUs. Now the web portal named as “Krishi Vishwavidyalaya Chhatr Alumni Network” is fully operational. The Alumni Portal is available at ICAR website <http://alumni.icar.gov.in/>

Objective 6: To promote the establishment of Career Development Centres (CDC) at agricultural universities

➤ **Development and Implementation of ‘Online Monitoring System’ for Career Development Centres**

ICAR-NAARM under National Agricultural Higher Education Project (NAHEP) Component- 2 established five Career Development Centers (CDCs): Central Agricultural University, Imphal; Sri Karan Narendra Agriculture University, Jobner; Uttar Banga Krishi Viswavidyalaya, Cooch Behar; Sri Venkateswara Veterinary University, Tirupati; and Indira Gandhi Krishi Vishwavidyalaya, Raipur. As presented in table 6.1, the CDCs have conducted 47 events, including 4251 students. For proper & transparent monitoring, an online system has been developed. This online system can ensure that all the CDCs are working in a unified manner. Few



most important features are publicly availability of CDC activities. The CDC monitoring system has been appreciated by ICAR and has been given ICAR- Technology ID “ICAR-AED-NAARM-2023-006”.

Three State Agricultural Universities viz. Kerala Veterinary and Animal Sciences University, Wayanad, Kerala; Anand Agricultural University, Gujarat; Chaudhary Sarwan Kumar Himachal Pradesh Krishi Vishwavidyalaya, Palampur, Himachal Pradesh have started CDCs at their own. These new CDCs will be involved in NAHEP activities

URL: Career Development Centres Monitoring System:
<https://nahep.naarm.org.in/cdc>

Table 6.1: Activities of CDCs in FY 2022-23:

S.No.	Activity Name	Type of Activity	Duration	Total No. of Participants
CDC at CAU, Imphal 180(Female: 97) Participants				
1.	Virtual coaching for “JRF aspirant students”	Training	01.04.2023	45(18)
2.	University Conclave for CAU students (student’s innovative business idea presentations)	Workshop	29.12.2023	135(79)
		Total		180(97)
CDC at IGKV, Raipur 1866(Female: 602) Participants				
1.	Workshop on Career Opportunities for Agri-Graduates	Workshop	28.07.2023	104(26)
2.	Campus Placement of Valagro Biosciences Pvt. Ltd.	Campus Placement	11.09.2023	25(7)
3.	Campus Placement of Sun Agro Pvt. Ltd.	Campus Placement	11.09.2023	29(9)
4.	Slogan Writing Competition (gfjr NRRkhlx<+&le`) NRRkhlx<+)	Hindi Pakhwada	14.09.2023	48(17)
5.	Poem/Song Competition (ty thou dk vk/kkj gS+)	Hindi Pakhwada	15.09.2023	50(12)
6.	Essay Competition (NRRkhlx<+ ds fodkl esa lqjktH xzke ;kstuk dh Hkwfedk)	Hindi Pakhwada	21.09.2023	26(8)
7.	Debate Competition (D;k tSfod [ksrh ls [kkn; lqj{kk laHko gS & i{k ,oa foi{k)	Hindi Pakhwada	22.09.2023	29(8)
8.	Hindi Sangosthi and Prize Distribution	Hindi Pakhwada	29.09.2023	254(72)
9.	Orientation Programme for Agri-Graduates	Orientation Programme	24.11.2023	176(64)
10.	Sensitization Workshop on Entrepreneurship Development among Agri Graduates	Sensitization Workshop	29.11.2023	57(20)
11.	Ideas from Youth for Viksit Bharat	Seminar	20.12.2023	104(28)
12.	Seminar on Ideas for the Vision of Viksit Bharat@ 2047	Seminar	21.12.2023	150(61)
13.	Seminar on Ideas for the Vision of Viksit Bharat@ 2047	Seminar	21.12.2023	51(20)
14.	Seminar on Ideas for the Vision of Viksit Bharat@ 2047	Seminar	21.12.2023	112(34)

S.No.	Activity Name	Type of Activity	Duration	Total No. of Participants
15.	Seminar on Role of Agriculture Education, Research & Extension in achieving Viksit Bharat@ 2047	Seminar	22.12.2023	78(22)
16.	Seminar on Role of Agriculture Education, Research & Extension in achieving Viksit Bharat@ 2047	Seminar	22.12.2023	103(24)
17.	Seminar on Ideas for the Vision of Viksit Bharat@ 2047	Seminar	24.12.2023	46(15)
18.	Seminar on Ideas for the Vision of Viksit Bharat@ 2047	Seminar	25.12.2023	118(47)
19.	Seminar on Role of Innovation in the field of Agricultural Education, Research & Extension towards Viksit Bharat@ 2047	Seminar	26.12.2023	67(24)
20.	Seminar on Ideas for the Vision of Viksit Bharat@ 2047	Seminar	27.12.2023	122(44)
21.	Seminar on Ideas for the Vision of Viksit Bharat@ 2047	Seminar	29.12.2023	78(27)
22.	Seminar on Ideas for the Vision of Viksit Bharat@ 2047	Seminar	29.12.2023	39(13)
			Total	1866(602)
CDC at SKANU, Jobner 857(Female:519) Participants				
1.	Conducted a lecture on “Integrated pest Management in crops” by Dr P. Kumar, Emeritus Professor	Capacity building	03.04.2023	82(75)
2.	CDC, SKNAU, Jobner signed MOU with Medha Foundation	Placement co-ordination	18.04.2023	-(-)
3.	Conducted two lectures on “Career Opportunities in Orchard Development” and “Scope of Entrepreneurship in Orchard” by Sh. Himmata Ram Bhambhu, Padam Shri Awardee, Progressive Farmer	Capacity building	22.04.2023	132(76)
4.	Organized One-week workshop on climate resilient & smart agriculture in online mode	Capacity building	22.05.2023	93(50)
5.	Organized motivational lecture on the topic “For the future and academic growth of the students”	Capacity building	10.05.2023	60(32)
6.	Organized motivational lecture on the topic “For the future and academic growth of the students”	Capacity building	17.05.2023	60(32)

S.No.	Activity Name	Type of Activity	Duration	Total No. of Participants
7.	Conducted a lecture by Dr. Bhupendra Singh, Div. of Env. Sci. ICAR-IARI New Delhi, on the topic "Introduction to Career Development in Agriculture"	Capacity building	27.06.2023	117(75)
8.	Organized a Lecture on "Brain storming session on " Pesticide Residues and Food Safety"	Capacity building	27.07.2023	180(110)
9.	Organized Regional level National Quiz Contest on Food security Mission (NQC-FSM) collaboration with Food Protectants and Infestation Control department CSIR-Central Food Technological Research Institute, Mysuru	Capacity building	27.07.2023	3(1)
10.	Organized lecture on "Job opportunities for Agriculture Graduates in Banking sector" at COA, Kotputli	Capacity building	27.12.2023	20(8)
11.	Organized workshop on "How to control Mind" at COA, Lalsot	Capacity building	28.12.2023	110(60)
			Total	857(519)
CDC at SVVU, Tirupati 1065[Female: 444] Participants				
1.	Review meeting of CDC and FDC	Review of the project	01 Day	
2.	Interaction with students	Career path counselling and motivation session	01 Day	550(334)
3.	Innovations in domain areas-source funding. Interaction with successful entrepreneurs	Capacity building	01 Day	273(56)
4.	Innovations in domain areas-source funding. Interaction with successful entrepreneurs	Capacity building	01 Day	242(54)
5.	Presentation of CDC activities to the NAAC Accreditation team	Accreditation process Meeting	01 Day	
			Total	1065(444)
CDC at UBKV, Cooch Behar 194[Female: 109] Participants				
1.	Employability skill Training	Placement Coordination	09.10.2023	50(50)

S.No.	Activity Name	Type of Activity	Duration	Total No. of Participants
2.	Sensitization workshop	Integrated Career Counselling and Thought Shaping	22.11.2023	100(45)
3.	Skill Development Training and Exposure Visit	Capacity building programme	23.12.2023	10(0)
4.	Skill Development Training and Exposure Visit	Capacity building programme	23.12.2023	23(12)
5.	Skill Development Training and Exposure Visit	Students ready programme	23.12.2023	11(2)
			Total	194(109)
Total workshops of CDCs: 45 Total Beneficiaries: 4162(1771)				

Table 6.2: Activities of FDC in FY 2022-23:

S.No.	Activity Name	Type of Activity	Duration	Total No. of Participants
Faculty Development Centre at GBPUAT, Pantnagar 89(Female: 36) Participants				
1.	Capacity Building Programme for Assistant Professors	Training	7.8.2023 to 21.8.2023	58(35)
2.	Fostering Academic Leadership in Agriculture	Workshop	4.9.2023 to 8.9.2023	31(1)
		Total		89(36)
Total workshops of FDCs: 02 Total Beneficiaries: 89(36)				

➤ **Development and Implementation of ‘Online Faculty Development Centre Monitoring System’**

ICAR-NAARM under National Agricultural Higher Education Project (NAHEP) Component 2 established “Faculty Development Centre (FDC)” at G.B. Pant University of Agriculture & Technology, Pantnagar. Now the FDC has been made a permanent part of GBPUAT by Board of Management approval. The IDP component of NAHEP at GBPUAT in their publication “The 50 path finding academic innovations- The 60th year Pantnagar storey (1960-2020)” at page number 12 has mentioned FDC as one of the important innovation.

URL: Faculty Development Centres Monitoring System: <https://nahep.naarm.org.in/fdc>

Established Faculty Development Centre (FDC) with support of NAARM, Hyderabad under NAHEP Component 2

The country's first in an SAU

It is a matter of pride that GBPUAT, Pantnagar has been bestowed with the Faculty Development Centre (FDC) by National Academy of Agricultural Research Management (ICAR-NAARM) Hyderabad, validating its excellent performance and potential. The IDP-NAHEP, Pantnagar under PI, Dean Dr. S.K. Kashyap, has undertaken the responsibility of establishing the FDC in NAHEP building and instilling a need-based robust programme series to support all the Agricultural Universities across the country. Vice-Chancellor Dr. Tej Partap is leading the FDC as its Chairman.

Objective7: To improve curricula review processes and methods to consolidate and disseminate global best practices in agricultural education Graduate certificate course- from Akanksha can be inserted here

Objective 8 To assist agricultural universities in strengthening their linkages with industry

➤ **Study on Academia-Industry Linkages**

A research study on ‘Academia-Industry Linkages’ was completed, which was based on outputs from the brainstorming on 31st May 2021 and National Conference on Policy Development and Implementation Strategies for Academia- Industry-Government Linkages for Agricultural Higher Education in India” organised during 12- 13 March 2023.

The analysis of the study indicated the absolute need for linkages between the industry and academia in the agricultural education sector (**Fig 1**). More than 50 % of the respondents from the academia and more than 40 % of respondents from the industries felt that the need for collaborations is extremely high. However, the respondents from academia felt that the need for collaboration among academia is significantly higher ($p<0.001$) than that of academia and industry. Likewise, respondents from industry opined that the need for collaboration among industries is significantly higher ($p<0.01$) than that between industry and academia. In the study, more than 90 % of respondents from academia and more than 85 % of respondents from industry felt that the quality of higher education in agriculture will be significantly improved through linkages (**Fig 2**).

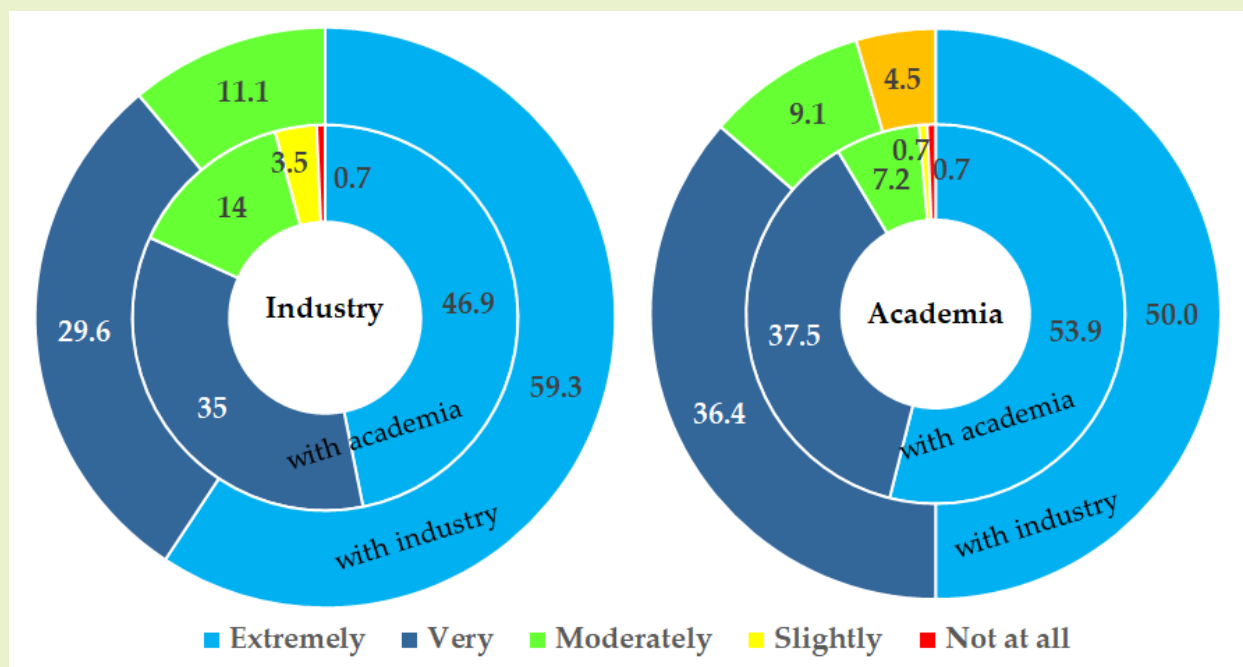


Fig. 1. Respondents’ perceptions on ‘Need for collaboration’ (Figures in percentages)

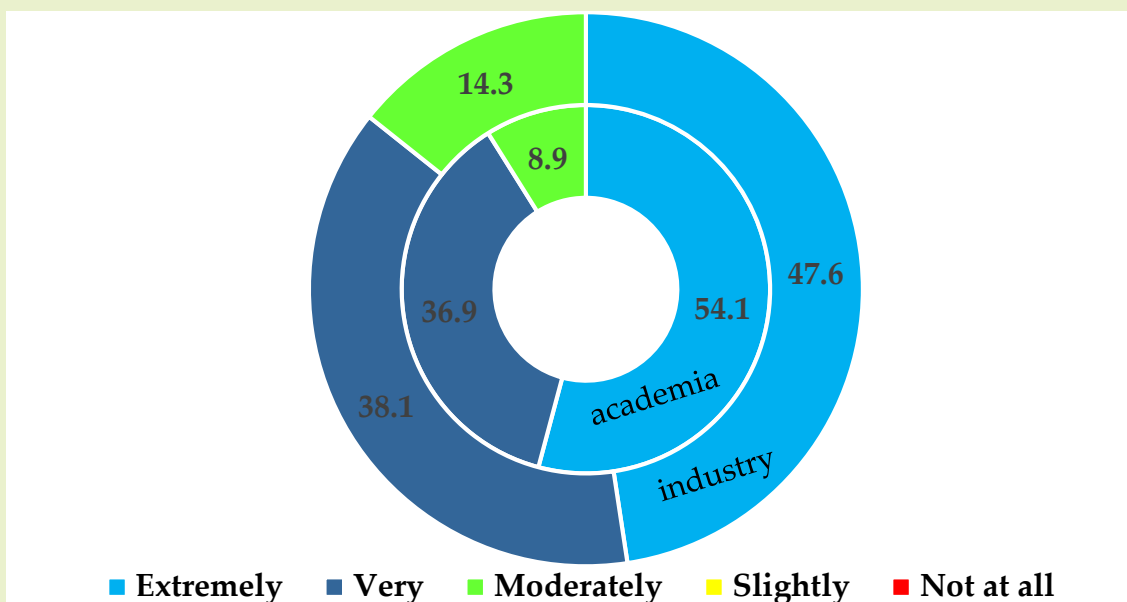


Fig. 2. Respondents' perceptions about 'improvement in the quality of higher education by collaboration' (Figures in percentage)

Under this objective, developed a model for nurturing academia- industry linkages through facilitating collaborations between:

- GB Pant University of Agriculture and Technology, Pantnagar
- Shobhit University, Meerut (a private university)
- Industry partner for taking lessons on Drone application

This model was tested through facilitating a 10- days skill development certificate course on 'Drone Application in Agriculture' during December 2023. The unique features were 1. Course was for students for BSc (Agrl) or MSc (Agrl), 2. Jointly organized by public and private universities jointly, 3. It was linked with government of India policy relating to creation of 15000 rural women in drone applications in agriculture. These graduate would contribute to the creation of clustere of rural boys and girls- who knows the utilities and applications for enhancing quality agricultural production systems.



शोभित विश्वविद्यालय मेरठ द्वारा ड्रोन टेक्नोलॉजी इन एग्रीकल्चर पर 10 दिवसीय सर्टिफिकेट ट्रेनिंग प्रोग्राम की हुई शुरुआत

संवाद: अश्विनी / संवादक

मेरठ। जहाँ एक राक पारस के चराने की आकाशो में चहकते हुए हल ही में चले ड्रोन टीवी बीजक की शुरुआत की है। जिसके अंतर्गत पाठ्य संख्या 15,000 ग्रामीणों को ड्रोन टेक्नोलॉजी में प्रशिक्षण देकर उन्हें आत्मनिर्भर बनाने का कार्य करने है। इसी दिशा में शोभित विश्वविद्यालय ने विशाल एकेडमी ऑफ एग्रीकल्चर रिसेर्च केंद्र/डीएचएनए एग्रीकल्चर क्लब सहित प्रोफेसर डॉ. वी.बी. सिंह पुर्वोपनिर्देशक और एग्रीकल्चर एंड टेक्नोलॉजी प्रोफेसर एवं आइएआईए के सहायक कुलपति के नेतृत्व में शुरुआत की है। जिसके अंतर्गत शोभित विश्वविद्यालय में 10 दिवसीय ड्रोन टेक्नोलॉजी में प्रशिक्षण देकर सर्टिफिकेट ट्रेनिंग प्रोग्राम की शुरुआत कर दी है। जिसके अंतर्गत शोभित विश्वविद्यालय में 10 दिवसीय ड्रोन टेक्नोलॉजी में प्रशिक्षण देकर सर्टिफिकेट ट्रेनिंग प्रोग्राम की शुरुआत कर दी है। जिसके अंतर्गत शोभित विश्वविद्यालय में 10 दिवसीय ड्रोन टेक्नोलॉजी में प्रशिक्षण देकर सर्टिफिकेट ट्रेनिंग प्रोग्राम की शुरुआत कर दी है।



ड्रोन टेक्नोलॉजी के विकास को बढ़ावा देने के लिए शोभित विश्वविद्यालय ने 10 दिवसीय ड्रोन टेक्नोलॉजी में प्रशिक्षण देकर सर्टिफिकेट ट्रेनिंग प्रोग्राम की शुरुआत कर दी है। जिसके अंतर्गत शोभित विश्वविद्यालय में 10 दिवसीय ड्रोन टेक्नोलॉजी में प्रशिक्षण देकर सर्टिफिकेट ट्रेनिंग प्रोग्राम की शुरुआत कर दी है। जिसके अंतर्गत शोभित विश्वविद्यालय में 10 दिवसीय ड्रोन टेक्नोलॉजी में प्रशिक्षण देकर सर्टिफिकेट ट्रेनिंग प्रोग्राम की शुरुआत कर दी है।



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4. Details of Important Activities

Training Workshop on “Fostering Academic Leadership in Agriculture”

A Training workshop on 'Fostering Academic Leadership in Agriculture' from 4 to 8 September 2023 in collaboration with the Faculty Development Centre, Govind Ballabh Pant University of Agriculture and Technology, Pantnagar under NAHEP Component 2. The major objective of this workshop is to enhance the efficiency of Indian Agricultural Education System through education management and Academic leadership. Around 31 participants from 13 SAUs from 11 states were attended this training programme. Programme Directors: Dr. D Thammi Raju, Co-PI, NAHEP Component 2, ICAR-NAARM and Dr Shivendra Kashyap, Vice- Chairman & Dean, College of Agriculture, Govind Ballabh Pant University of Agriculture and Technology, Pantnagar



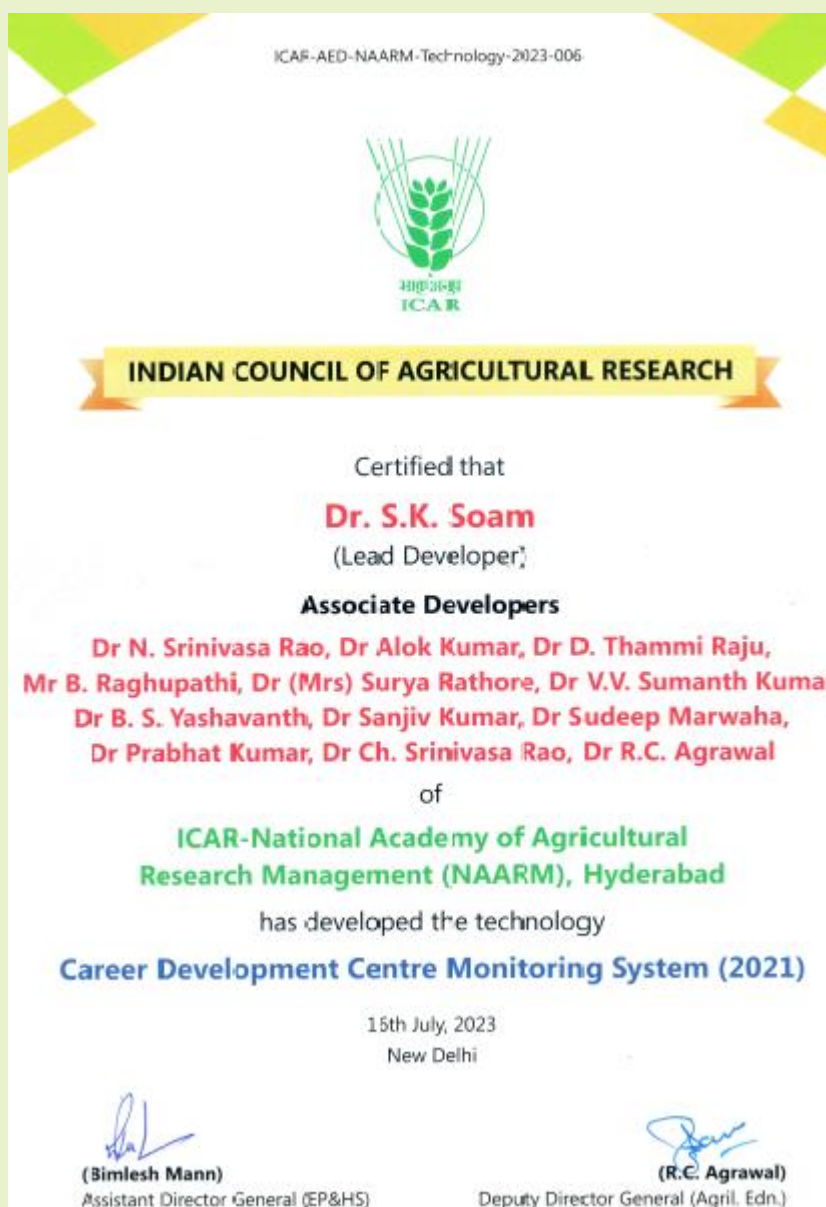
Review Meeting of Career Development Centers(CDCs) and Faculty Development Center(FDC)

The review meeting Career Development Centers(CDCs) and Faculty Development Center(FDC) of the project NAHEP Component 2 titled “Investments in Indian Council of Agricultural Research Leadership in Agricultural Higher Education was held on 17 August 2023 at Career Development Centre, Sri Venkateswara Veterinary University, Tirupati. Nodal officers and HR Executive officers of 05 Career Development Centres and Faculty Development Centre were attended this review meeting. All the CDCs and FDC presented their progress, success stories of FY 2022-23 and action plan for FY 2023-24. Dr S K Soam, CCPI, NAHEP Component discussed the strategies for sustenance of CDCs, FDC. This review meeting coordinated by Dr N Srinivasa Rao, Co-PI, NAHEP Component 2 and Dr K Sarjan Rao, Director of Research, SVVU, Tirupati.



ICAR Technology ID for Technology Developed under NAHEP

The Career Development Centre Monitoring System (<https://nahep.naarm.org.in/cdc/>) developed under National Agricultural Higher Education Project - Component 2 titled “Investments in ICAR for Leadership in Agricultural Higher Education” has been recognized by ICAR and has been given ICAR Technology ID: ICAR-AED-NAARM-Technology-2023-006.



A policy dialogue on “Agricultural Education System in USA and Potential Collaboration with India”

A policy dialogue on “Agricultural Education System in USA and Potential Collaboration with India” was organised in hybrid mode on 07-09-2023 at ICAR-NAARM in collaboration with ICAR-NAARM, NAHEP Component 2 and NAAS Hyderabad Chapter. Dr Ch Srinivasa Rao, Director, NAARM recited the importance of collaborations among higher educational institution in India and Abroad. Dr. Kumar Venkitanarayanan, Professor & Associate Dean of Research, College of Agriculture, Health and Natural Resources, University of Connecticut, USA and Dr Anup Kollanoor Johny, Associate Professor, Department of Animal Science, University of Minnesota, USA addressed the participants on Agricultural Education System in USA. In his presidential address, Dr. Ch. Srinivasa Rao, Director and convener of the NAAS Regional Chapter-Hyderabad appreciated the speaker for an elaborate coverage of the topic and stressed on the need for the more collaborations in terms of different activities viz Student-ships, Senior faculty training etc as per the need. He also called for One Health which could be very inclusive comprising components of Human, crop, animal and environmental health. The programme was

organized in hybrid mode and a total of 70 participants offline and more than 100 participants online from various ICAR institutions, SAUs, NAAS, Regional Chapter-Hyderabad fellows and associates. This activity is coordinated by Dr S Senthil Vinayagam, Co-PI, NAHEP Component 2 and Dr V V Sumath Kumar, Co-PI, NAHEP Component 2, ICAR-NAARM.



Workshops on “Sustainability of Career Development Centres”

ICAR-NAARM, in collaboration with CSK Himachal Pradesh Krishi Vishwavidyalaya (CSKHPKV), Palampur; Anand Agriculture University, Anand, Gujarat; Kerala Veterinary & Animal Sciences University, Wayanad, Kerala organized three one-day workshops titled "Sustainability of Career Development Centres” during October –November 2023. A total of 140 participants including Deans and Directors of various 28 nearby SAUs, 06 Private Universities participated in this workshops. The aim of this 03 one-day workshop was to sensitize all agricultural universities to the importance of CDCs and encourage them to establish their own centres and to scale up and institutionalize these Career Development Centers across all Agricultural Universities. These workshops were coordinated by Dr N Srinivasa Rao, Co-PI, NAHEP Component 2, ICAR-NAARM.

S.NO	Place of the workshop	No of participants	Date of workshop
1.	CSK Himachal Pradesh Krishi Vishwavidyalaya (CSKHPKV), Palampur	56	04-10-2023
2.	Anand Agriculture University, Anand, Gujarat	34	10-10-2023
3.	Kerala Veterinary & Animal Sciences University, Wayanad, Kerala	50	07-11-2023
	Total	140	



The feedback was collected from the students also through one-day interaction with students of SKN Agricultural University Jobner.

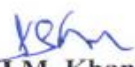


The key points discussed/suggested during the meeting are as followed:

1. The CC-PI demonstrated the various activities conducted by ICAR-NAARM regarding career development.
2. As the students suggested that
 - a. Soft skills activities should be conducted in small groups. It might be more feasible and practical.
 - b. Enhancement of negotiation skills as and when required.
 - c. Soft skills-related activities should be included in core courses on a credit basis.
 - d. The courses should be practice-based, assignments-based, and activities-based.
 - e. The activities should be conducted regularly, not on an ad-hoc basis.
 - f. The communication skills course should be based on a practical approach.
 - g. The activities should be conducted for a long time but daily.
 - h. Industrial exposure should be regular and based on the interest of students' choices.
 - i. Career counseling should be conducted periodically through industry persons to explore emerging areas of career and entrepreneurship.
 - j. Pre-placement talks should also be conducted periodically.
3. As the HR Executive Officer suggested, students should share their need for soft skills activities and try to make an effort to change their personalities on their own.
4. As proposed by the Nodal Officer, CDC, the practical, assignment, and activities-based training program for 30 hours, namely Career Boot Camp (CAB), may be conducted at every constituted college. The above program has already been completed for students of SKNCOA, Jobner, in the last two years. A proposal like CAB programming will be prepared and sent to ICAR-NAARM, Hyderabad, for necessary motivation and further guidance.

The meeting ended with a formal vote of thanks to all the participants.

Date: 16th Dec. 2023


(T.M. Khan)
DSW & Nodal Officer, CDC
SKNAU, Jobner

Copy to:

1. PS to Hon'ble Vice-Chancellor, SKNAU, Jobner
2. Dr. S. K. Soam, CC-PI, NAHEP Component 2, ICAR-NAARM, Hyderabad

Policy advocacy and strategies for implementation

All the regional recommendations were studied and major policy interventions identified for sustenance and institutionalization of the CDC as important component of Agricultural Higher Education in India, which may be institutionalised as implemented through Indian Council of Agricultural Research (ICAR) being a national body of Government of India:

1. CDCs are different than placement cells and fulfil wider objectives of enhancement of capabilities through soft skills & personality development, make them better professional through empathy and prototyping, providing knowledge inputs for career planning & progression, confidence building through alumni connect and exposure to real life situations in entrepreneurship and start-up ecosystem.

2. Every university must have a CDC, not only as a vibrant and dynamic student welfare organization but also as an ecosystem of personality traits identification, cultural adaptability, bring out customer oriented understanding and attitudinal changes to take up personal pursuits with societal responsibilities.
3. CDCs must play significant roles in specific niche areas too such as- veterinary graduates may be provided specific coaching which help in joining RVC, a military organization or nurturing entrepreneurship through live interactive sessions with the successful alumni entrepreneurs.
4. ICAR may consider ‘Institutionalization of CDCs’ through release of the budget in the name of CDCs in place of ‘Training and Placement Cells’, therefore SAUs will be motivated to establish CDCs at the earliest. ICAR accredited private universities may also be motivated to establish CDCs.
5. ICAR may provide guidelines and budgetary and administrative support for inter-university student internships through CDCs such as student from private universities and traditional universities and from universities abroad may come to SAUs for internships on payment basis.
6. CDCs may not be successful entities if these are not run by the highly professional and dedicated staff, there these must be established like section 8 company/ registered society/ KVK style with seed support from ICAR and later arrange their own funding through ‘Student Fee’, ‘Boys Fund’, Student Union fee, Alumni, CSR funds of industry, student internships, student forums, ICAR-ABIs, Agri Clinic and Agri-Business Center Scheme (ACABCs), State Government schemes such as- Student Start-up and Innovation Policy (SSIP), Entrepreneurship Capacity Building Cell (ECBC) of Govt. of Gujrat etc. Sustenance of CDCs can be done through industry oriented research and development and collaborative projects also. CDCs may play highly significant role to strengthen Academia-Industry linkages through several exclusive activities including facilitating research grants.
7. Busy schedule of the students, therefore it is suggested that few of the CDC activities may be as in-built ‘Credit Courses’. In addition, students may be permitted to take up entrepreneurial activity during studies (Graduate Course) period also.
8. Opportunities of selecting potential entrepreneurship talent at early stage and grooming them with professional support and help. NEP requirement, ranking requirement. Being single acceptable name in SAUs though out the country- therefore funding opportunities will be enhanced.

One – Day Workshop on “Development of Soft Skills for Entrepreneurship among Agricultural Graduates” / कृषि-उद्यमिता निमित्त छात्रोपयोगी ज्ञान एवं कौशल विकास पर एकदिवसीय कार्यशाला

First Program: CCRD (PG College), Muzaffarnagar, UP

A One-day workshop on “Development of Soft Skills for Entrepreneurship among Agricultural Graduates” / कृषि-उद्यमिता निमित्त छात्रोपयोगी ज्ञान एवं कौशल विकास पर एकदिवसीय कार्यशाला was organized at Ch. Chhotu Ram (P.G.) College, Muzaffarnagar, U.P. on 05-12-2023 under World Bank supported National Agricultural Higher Education Project (NAHEP) at ICAR- National Academy of Agricultural Research (NAARM), Hyderabad. The main objective of this workshop to develop Soft Skills for Entrepreneurship and support the agri-students in rural setup in Hindi speaking belt of Northern India. A total of 100 agri graduates were participated in this one-day workshop. Shri Kapil Dev Aggarwal, Hon’ble Minister of State (Independent Charge), Vocational Education and Skill Development Department, Govt. of U.P. also graced the occasion and addressed the students about the need of soft skills.



Second Programme: RMP (PG) College, Gurukul Narsan, Uttarakhand

A One-day workshop on “Development of Soft Skills for Entrepreneurship among Agricultural Graduates” / कृषि-उद्यमिता निमित्त छात्रोपयोगी ज्ञान एवं कौशल विकास पर एकदिवसीय कार्यशाला was organized at Raja Mahendra Pratap Post Graduate College, Gurukul Narsan, Uttarakhand. on 19-01-2024 under World Bank supported National Agricultural Higher Education Project (NAHEP) at ICAR- National Academy of Agricultural Research (NAARM), Hyderabad. The main objective





of this workshop to develop Soft Skills for Entrepreneurship and support the agri-students in rural setup in Hindi speaking belt of Northern India. A total of 100 agri graduates were participated in this one-day workshop. Senior officials from college and resource persons of entrepreneurship & skill development addressed the students about the need of entrepreneurship & soft skills.

10- days Training-cum-Certificate Course on Drone Technology in Agriculture

ICAR- National Academy of Agricultural Research Management (NAARM), Hyderabad in collaboration with G B Pant University of Agriculture and Technology, Pantnagar and Shobhit Institute of Engineering & Technology (Deemed to-be- University), Meerut organized 10- days Training-cum-Certificate Course on Drone Technology in Agriculture during 04-13 December 2023 at School of Agricultural Sciences and Technology, Shobhit University, Meerut. This programme is initiated as part of NAHEP Component 2 objective to assist agricultural universities in strengthening their linkages with industry – Development of model for Academia-Industry-Government linkages. A total of 36 studnets from GBPUAT, Pantnagar; SVPUAT, Meeurt; Shobhit Institute of Engineering & Technology (Deemed to-be- University), Meerut were participated.



An Interaction meeting with Students for Feedback on Career Development Centers

ICAR-NAARM under NAHEP Component 2 established Career Development Centers at 05 Agricultural Universities. NAARM also preparing the sustenance, institutionalization guidelines for CDCs. A meeting was conducted to collect the feedback from students who benefitted through

CDCs was organized at Sri Karan Narendra Agriculture University, Jobner on 16-12-2023. Dr Balraj Singh, Vice-Chancellor, SKNAU, Jobner and Senior Officials, CDC Committee members and students were participated in this meeting. Dr S K Soam, CCPI, NAHEP Component 2 also joined this interactive meeting.

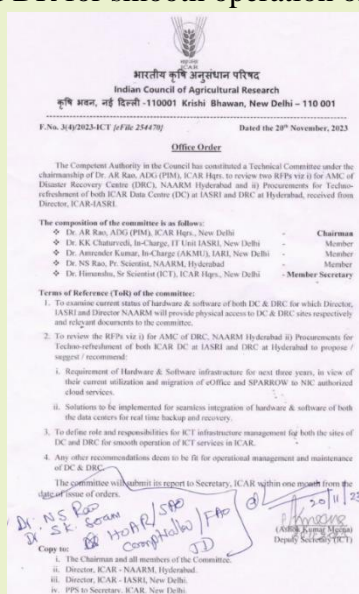


Technical Committee meeting of Disaster Recovery Centre (DRC), NAARM

The council has constituted a Technical Committee under the chairmanship of Dr. AR. Rao, ADG (PIM), ICAR Hqrs to review two RFPs viz i) for AMC of Disaster Recovery Centre (DRC), NAARM and ii) Procurement for Technical Refreshment of both DC at IASRI and DR at NAARM vide OO FNo. 3(4)/2023-ICT dated 20.1.2023. Dr. KK Chaturvedi from IASRI, Dr. Amarendra Kumar from IARI, Dr. Himanshu from ICAR Hdq, and Dr. N Srinivasa Rao from NAARM are the members of the committee.

In this regard, during 17-18 January 2024, Chairman and members of the committee physically visited DRC and team NAHEP hosted the meeting at DRC, NAARM, Hyderabad.

The committee discussed regarding issues such as synchronization between DR & DC, bandwidth constraints, and actions needed to enhance NKN connectivity and other issues. The committee physically inspected the DRC and monitored its functionalities, and assessed the utility of hardware, software applications, hosted applications, usage reports etc. They also analyzed requirement of hardware & software infrastructure for next three years in view of current utilization and integration of various applications, and steps to be taken up for seamless integration of hardware & software for DC and DR for smooth operation of ICT services in ICAR.



3. Information Technology Tools and Web Portals and Media Coverage

#	IT Tool/ Web portal Details	URL / Intranet Address
1.	NAHEP Web Portal	https://nahep.naarm.org.in/
2.	Career Development Centre Monitoring System	https://nahep.naarm.org.in/cdc/
3.	Inspired Teachers Portal	https://nahep.naarm.org.in/inspiredteachers/
4.	NAHEP Component 2 Events Information & Reporting System	http://192.168.44.69:8080/eirs/
5.	Faculty Development Centre Monitoring System	https://nahep.naarm.org.in/fdc/
6.	Academic Leadership - Training Reflections Tool	https://nahep.naarm.org.in/eval/
7.	KVC Alumni Portal	https://alumni.icar.gov.in/
8.	NAHEP Publications as EBooks	https://nahep.naarm.org.in/publications.php
9.	NAHEP Photo Gallery	http://192.168.44.69:8080/naarmgallery/
10.	NARES Scientist Abroad Training Information System	http://192.168.44.69:8080/abroad_training/





4. Financial Information

APPENDIX III

(Please see para 6.3 [ix])

Receipts & Payments for the period upto 31 March 2024

Name of the Project : NATIONAL AGRICULTURAL HIGHER EDUCATION PROJECT
 Name of the Component : 2A Investments in ICAR leadership in Agricultural Higher Education
 Name of the Implementing Centre : ICAR-NAARM, Hyderabad

(Amount in Rupees)

Sl.No.	Head of Account	Sanctioned Budget 2023-24 (A)	Opening Balance as on 01.04.2023 (B)	Grant received till date (C)	Expenditure upto date (including Advances) (D)	Refunds (E)	Closing Balance as on 31.03.2024 (E)=(B)+(C)-(D) (E)
A	Goods & Equipment						
	Equipment, Plant & Machinery	0	0	0	0	0	0
	Office Equipment	0	0	0	0	0	0
	Laboratory Equipment	0	0	0	0	0	0
	Furniture & Fixtures	0	24114	0	0	24114	0
	Computers & Peripherals (Hardware & Software)	0	0	0	-42857	42857	0
	Books & journals		0	0	0		0
	Sub Total - A	0	24114	0	-42857	66971	0
B	Civil Works						
	Minor Repair & Renovation work	0	10063	0	0	10063	0
	Sub Total - B	0	10063	0	0	10063	0
	Sub Total A+B	0	34177	0	-42857	77034	0
C	Human Capacity Building						
	National Level Trainings	0	0	0	0	0	0
	International Level Trainings	0	1100000	0	0	0	1100000
	Short Visits/ Seminars	0	1800000	0	0	0	1800000
	Meetings and Workshops	0	0	0	0	0	0
	Sub Total - C	0	2900000	0	0	0	2900000
D	Consultancy						
	National Level Consultancy	0	0	0	0	0	0
	Sub Total - D	0	0	0	0	0	0
E	Recurrent Cost						
	Travel Expenses	0	4258758	0	720888	0	3537870
	Contractual Services	3500000	4114614	0	2678076	0	1436538
	Operational Costs	2000000	9966269	0	1819760	0	8146509
	Institutional Charges	275000	248000	0	-1310850	0	1558850
	Sub Total - E	5775000	18587641	0	3907874	0	14679767
	Sub Total (C+D+E)	5775000	21487641	0	3907874	0	17579767
	Sub Total (A+B+C+D+E)	5775000	21521818	0	3865017	77034	17579767

Head of the Institution / PI


Comptroller



Dr. S.K. Soam
 Consortium Project Investigator(CPI)
 National Agricultural
 Higher Education Project (NAHEP)
 ICAR-NAARM, Hyderabad-500 030.

5. Publications

1. Research Papers

Soam, S. K., Subbanna, Y. B., Rathore, S., Sumanth Kumar, V. V., Kumar, S., Vinayagam, S. S., Rakesh, S., Balasani, R., Raju, D. T., Kumar, A., Srinivasa Rao, N., Krishnan, P., Marwaha, S., Agrawal, A., Srinivasa Rao, C., & Agrawal, R. C. (2023). Academia-Industry Linkages for Sustainable Innovation in Agriculture Higher Education in India. In *Sustainability* (Vol. 15, Issue 23, p. 16450). MDPI AG. <https://doi.org/10.3390/su152316450>

Soam, S. K., Rathore, S., Yashavanth, B. S., Dhumentarao, T. R., S., R., & Balasani, R. (2023). Students' Perspectives on Entrepreneurship and Its Intention in India. In *Sustainability* (Vol. 15, Issue 13, p. 10488). MDPI AG. <https://doi.org/10.3390/su151310488>

2. Proceedings

Soam, S. K., Dhumantharao, T. R., Nukella, S. R., Rathore, S. (2022). Proceedings of National Symposium on Mainstreaming of Agricultural Higher Education by Private Universities in India (pp. 1–76). Hyderabad, Telangana; NAHEP Component 2, ICAR- National Academy of Agricultural Research Management.



भाकृअनुप-राष्ट्रीय कृषि अनुसंधान प्रबंध अकादमी
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