



वार्षिक प्रतिवेदन (२०२४-२५)
Annual Report (2024-25)

**National Agricultural Higher Education Project
(NAHEP) Component-2**

Collaborating Centre- 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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Preface

It is with great pleasure that I present the Annual Report for Financial Year 2024-25 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. Another model certificate course under PPP mode was conducted at Shoolini University, Solan under guidance of Dr YSP University of Horticulture and Forestry.

Thanks to Dr Inder Dev, Director, Extension Education at Dr YSPUHF and Dr PK Khosala, Chancellor, Shoolini University deserve special mention. 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 regional activities could be done with the help of local Nodal Officers such as CDC at three new places could be done due to active support of Dr Suneetha Salomi at Horticultural University, AP; Dr SK Guleria at SKUAST, Jammu; Dr C. Biradar at KVAFSU, Bidar. Dr Omkar Singh, Principal, Gochar Mahavidyalaya and Dr Naveed Bhat, Assoc. Prof, SKUAST, Srinagar helped in local niche developmental activities. The contributions from Senior Professors/ Research Managers viz. Dr Sarjan Rao SVVU, Tirupathi, Dr IM Khan, Agricultural University, Jobner, Dr Kaushik Pradhan, UBKV, Cooch Behar, Dr Sreeranjini, KAU, were very innovative, I thank them for all support. The new CDCs could be developed with the permission and support of the Hon'ble Vice Chancellors of the participating universities. I place on record my heartfelt thanks to Dr T. Janaki Ram (VC, Dr YSRHU, AP), Dr KC Veerana (VC, KVAFSU, Karnataka) and Dr BN Tripathi (VC, SKUAST- Jammu).

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



Rajendranagar, Hyderabad - 500 030, Telangana, India

Project Team for FY 2024-25

S.No	Name	Designation
1.	Dr. S.K. Soam	CCPI & Principal Scientist
2.	Dr. D. Thammi Raju	Co-PI & Principal Scientist
3.	Dr. N. Srinivasa Rao	Co-PI & Principal Scientist
4.	Dr. Yashavanth B S	Co-PI & Scientist
5.	Mr. Raghupathi B	Research Associate
6.	Dr. S Ajit Kumar	Research Associate

Our Team



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1. NAHEP Component 2A – An overview

Investments in ICAR Leadership in Agricultural Higher Education, the component-2 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.

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.
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.

Project Cost

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

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

Project Beneficiaries

The beneficiaries of NAHEP during FY 2024-25 comprises **253** participants including **143** Male and **105** Female from SAUs, CAUs, Deemed Universities, Central University with Agriculture Faculty.

Abstract of Beneficiaries from activities held at ICAR-NAARM

S. No	Programme Title	Coordinator	Number of Beneficiaries (Female)
1.	one-day awareness workshop ‘Development of Soft and Entrepreneurial Skills among Agricultural Graduates’ was done on 15th May 2024	Dr S K Soam	100(45)
2.	Training Workshop on "Entrepreneurship & Intellectual Property Rights" for Agri Graduates at SKUAST-K, Srinagar, Kashmir during 25-28 June 2024	Dr S K Soam	60(30)
3.	Review Meeting on Career Development Centers on 18-Jun-24	Dr N Srinivasa Rao & Dr S K Soam	10(1)
4.	Mainstreaming of Agricultural Higher Education in Colleges of Public Traditional Universities on 27-Aug-24	Dr S K Soam	27(5)
5.	10 day certificate course on ‘Agricultural Production Systems and Supply Chain Management’ during 25 July to 03 August 2024	Dr S K Soam	25(20)
6.	Training Programmes on Developing Winning Research Proposals during 15-19 July 2024	Dr S K Soam	31(4)
Total			253 (105)

Abstract of Beneficiaries from Career Development Centres (CDC) and Faculty Development Centre (FDC) during FY 2024-25

#	Centre Type and University Name	No. of Programme organized	Number of Beneficiaries (Female)
1.	CDC at Dr YSRHU, A. P.	05	2946 (2085)
2.	CDC at SKUAST Jammu	01	40(20)
3.	CDC at KVAFASU, Bidar, Karnataka	10	849 (242)
	Total	16	3835 (2347)

2. Snapshot Information of Activities

FY 2024-25

Total number of trainings/workshops organised	22
Total number of beneficiaries(female)	4088 (2452)
Number of institutions benefitted in the country	100+

Direct beneficiaries of the project activities in FY 2024-25 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 2 - Significant Achievements

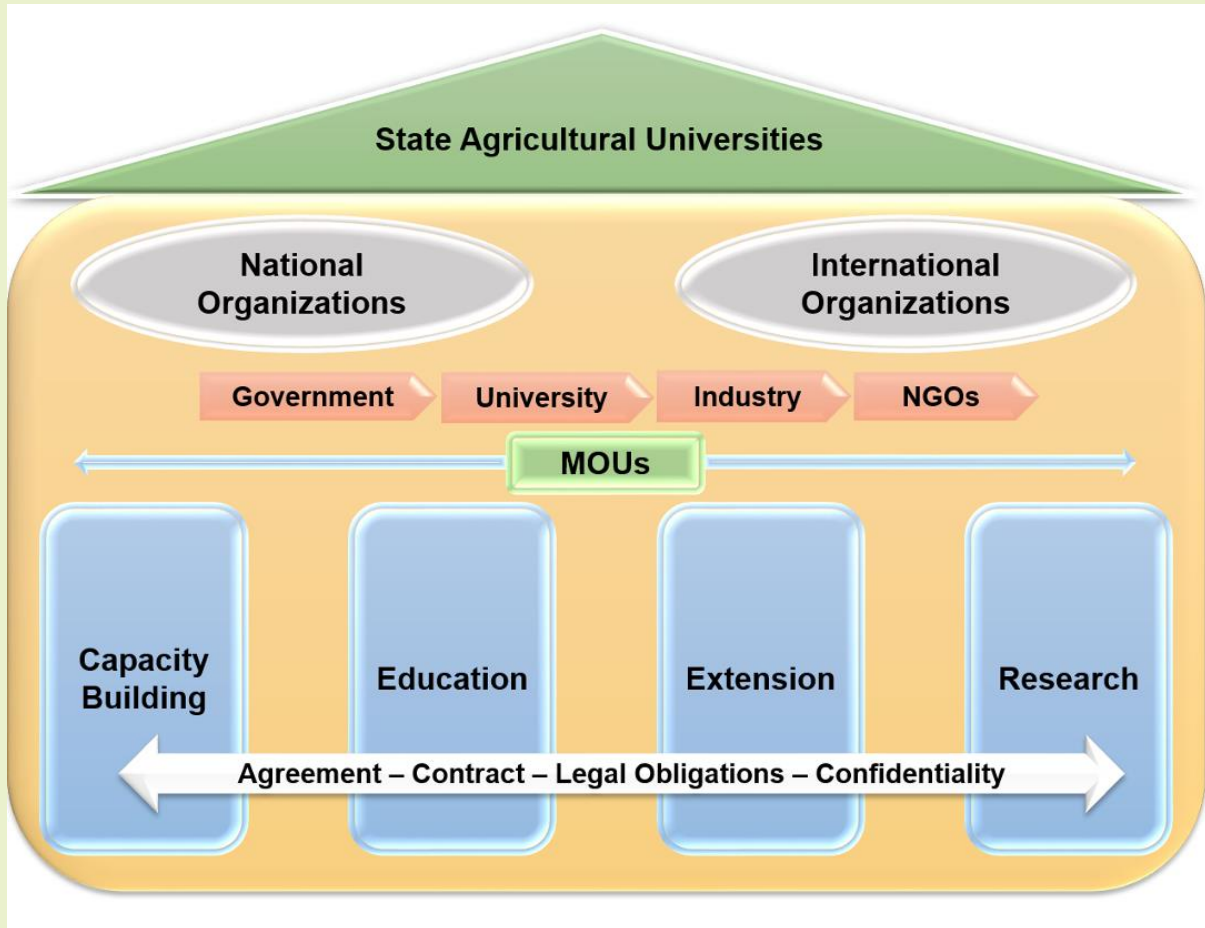
The academy has been assigned five objectives of component 2. This FY being extended period and few activities left under two objectives were taken up. Major achievements under each objective of the project during are presented in following paragraphs:

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

Analysis of existing MoUs of ICAR/AUs with foreign universities

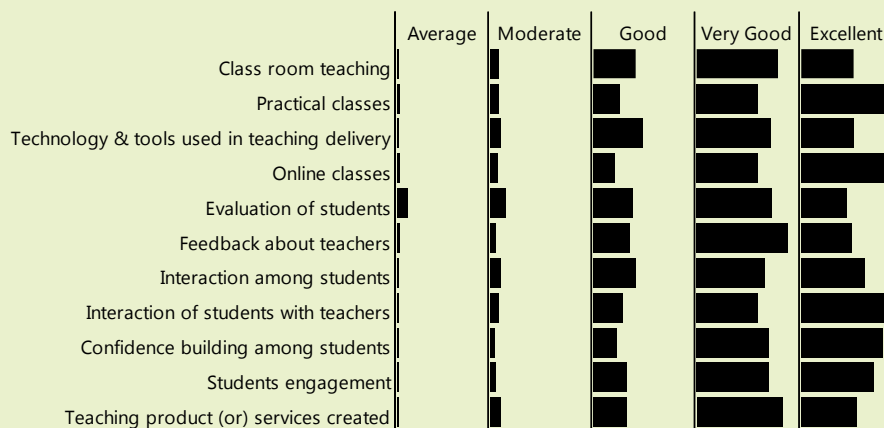
The comprehensive collection of MoUs consists the information about 19 State Agricultural Universities (SAUs) which signed MOUs with different national and international organizations focusing on the 04 priority areas as Capacity Building, Education, Extension and Research, along with the following:

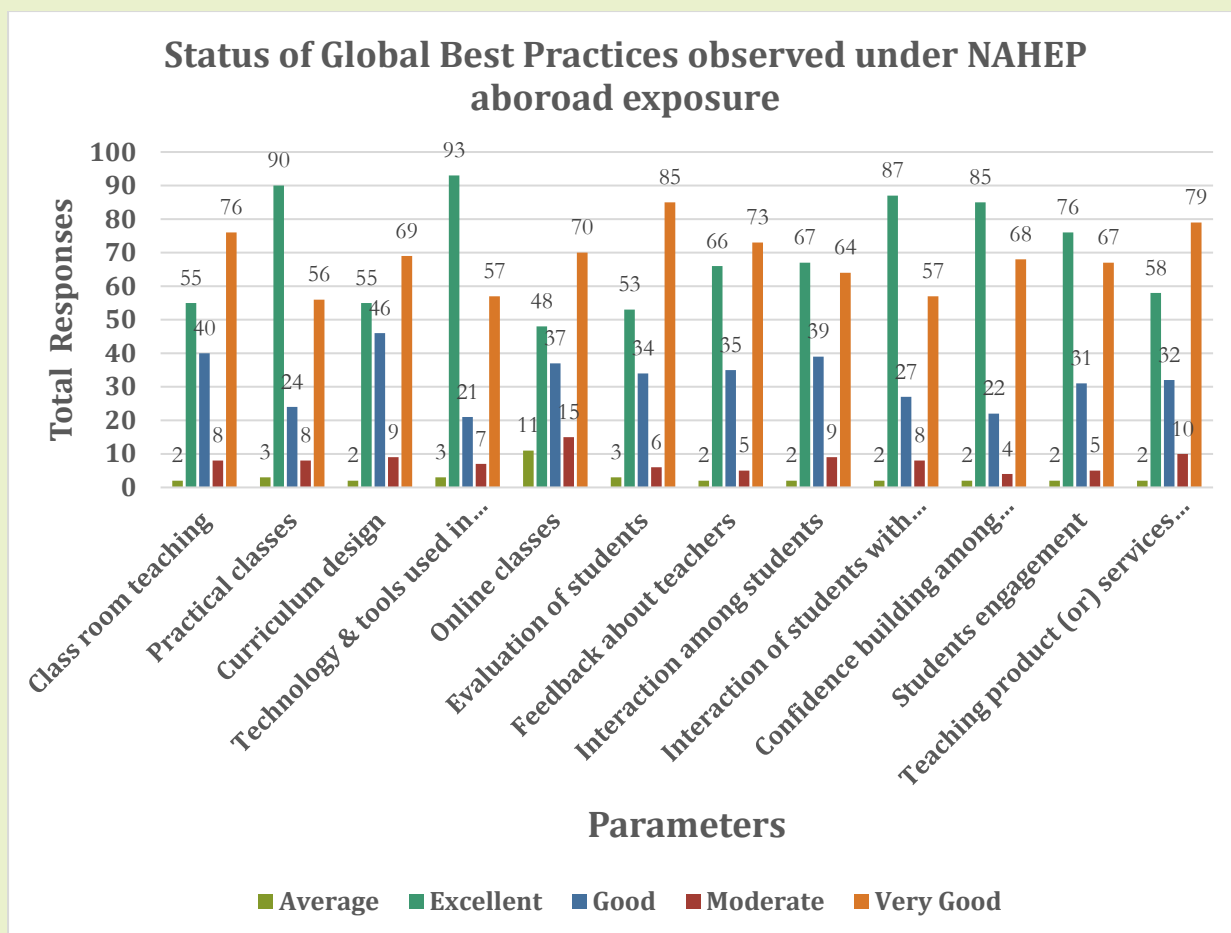
- ✓ Purpose of MOU
- ✓ Details of each partner
- ✓ Types of organization
- ✓ Types of collaborations
- ✓ Duration of MoU
- ✓ Description of agreed roles and responsibilities (goals, objectives and target outputs) of each organization to ensure the success of the project
- ✓ Description of how the partnership will benefit the project?



Perception analysis about global best practices observed in other countries

Under NAHEP faculty members and students from various agricultural universities visited several universities abroad in developed nations. For the purpose of policy analysis, during June-July 2024, we did a questionnaire survey to gauge their perception about several teaching-learning parameters. A quantitative approach was employed for data collection, 181 respondents (*i.e.*, 127 faculties, 54 students) participated in this survey.





Policy analysis of agricultural higher education by private universities

S.No	University Type	Number of Universities				
		2015-16	2016-17	2017-18	2018-19	2019-20
1	Public University	329	345	351	371	386
2	Private University	197	233	262	304	327
3	Deemed University	79	79	80	80	80
4	Institute of National Importance	75	100	101	127	135
5	Central University	43	44	45	46	48
6	Deemed University-Government	32	33	33	34	36

Percentage of enrolment in tertiary education in private institutions

Country	Year	Per cent enrolment
Australia	2021	22.04
Burkina Faso	2022	18.01
Belgium	2021	58.04
Brazil	2021	74.07
China	2022	14.06
Denmark	2021	0.04
Egypt	2022	24.05
Germany	2022	16.01
Ghana	2022	11.04
France	2021	23.09
Finland	2021	48.02
India	2022	56.05
Indonesia	2022	53.01
Ireland	2021	3.04
Japan	2020	79.01
Pakistan	2021	18.05
Philippines	2021	50.0
Rwanda	2022	55.04
Singapore	2022	22.02
Spain	2021	25.05
Sri Lanka	2022	13.09
Sweden	2021	11.06
USA	2021	27.06
Tanzania	2023	24.81

Source: UNESCO Institute for Statistics (UIS) <http://data.uis.unesco.org/Index.aspx>

**Percentage of graduates from tertiary education graduating from
Agriculture, Forestry, Fisheries and Veterinary Programmes**



<u>SL.No</u>	Country	Year	Per cent enrolment
1	India	2022	1.08
2	Australia	2021	0.71
3	Australia	2022	0.86
4	Brazil	2020	2.7
5	Denmark	2021	1.18
6	Egypt	2022	2.61
7	France	2022	1.52
8	Finland	2021	1.77
9	Germany	2021	1.71
10	Italy	2021	2.23
11	New Zealand	2021	2.01
12	Thai Land	2023	2.88
13	Indonesia	2018	4.1
14	Belarus	2022	7.48
15	Belgium	2022	4.48
16	Bosnia and Herzegovina	2022	4.14
17	Ukraine	2021	5.42
18	Uzbekistan	2021	6.32
19	Hungary	2021	3.14
20	Rwanda	2022	3.50
21	Albania	2022	3.52
22	Greece	2021	3.29
23	Philippines	2021	3.36
24	Uruguay	2021	3.79

Source: UNESCO Institute for Statistics (UIS) <http://data.uis.unesco.org/Index.aspx>

Strengthened national web portal for SAU alumni

The web portal developed under NAHEP component-2, the NAARM collaborating center played a significant role in strengthening by providing data and also supporting sustenance through creating awareness through all programmes at CDCs. Now it is proposed that CDCs can play significant role in further development. The alumni of colleges (affiliated with public traditional universities) may be permitted for alumni registration. Already enough awareness has been created through NAARM events during this FY. “Krishi Vishwavidyalaya Chhatr Alumni Network” कृषि विश्वविद्यालय छात्र अलुमनी नेटवर्क 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

Three more CDCs established during FY 2024-25

The ICAR – National Academy of Agricultural Research Management, Hyderabad as a part of National Agricultural Higher Education Project (NAHEP) Component 2 on “Investments in Indian Council of Agricultural Research Leadership in Agricultural Higher Education”, is facilitating the establishment of Career Development Centres (CDC) in five State Agricultural Universities (SAUs) as a pilot project by providing conceptual, technical and financial support.

Career Development Centres

The Career Development Centre aims to provide an enabling environment for students to develop the relevant skills and capabilities required to pursue careers as professionals and / or entrepreneurs.

Vision:

Empowering and enriching the students to cope up with global challenges in agriculture & allied sectors and contribute to Atmanirbhar India as a professional or agripreneurs.

Mission:

Developing a student-centric platform to achieve professional excellence through comprehensive futuristic career guidance and innovative training to develop professional, leadership and entrepreneurial skills for enhanced employability and most suitable career planning in academics or industry.

Objectives:

- Create an ecosystem for the development of soft skills and enabling the environment for acquisition of overall national and global knowledge for the holistic development of students beyond the curriculum.
- Build confidence among students through institutional support in career planning, career counselling, career exploration for further advancement in professional life
- Foster culture of entrepreneurship through training, mentoring and providing opportunities for networking with various institutions.

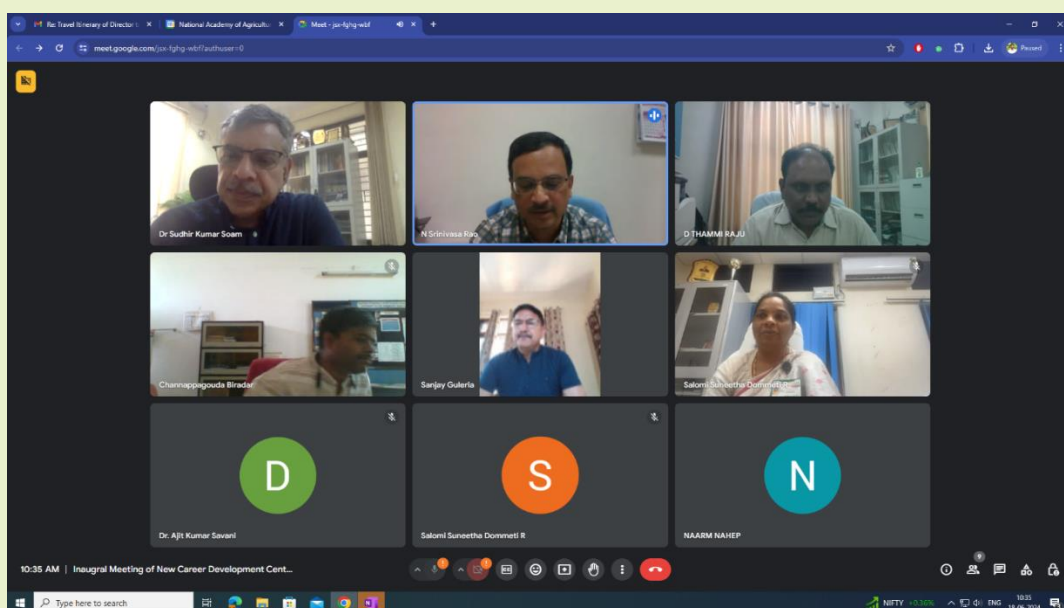
Verticals of Career Development Centres

- ✓ Capacity Building
- ✓ Media & Corporate Communication
- ✓ Alumni Co-ordination
- ✓ Placement Co-ordination
- ✓ Entrepreneurship & Innovation

ICAR-NAARM Establishes three new Career Development Centers (CDCs) under NAHEP

ICAR-NAARM established three new Career Development Centers (CDCs) at Dr.YSR Horticultural University, Venkataramannagudem, Andhra Pradesh; Karnataka Veterinary, Animal

and Fisheries Sciences University, Bidar; Karnataka & Sher-e-Kashmir University of Agricultural Sciences and Technology, Jammu. The tripartite agreement has made between, ICAR-NAARM, Universities and NAHEP. A virtual meeting was held on 18-06-2024 under the chairmanship of Dr. SK. Soam, Collaborating Centre Principal Investigator, NAHEP Component 2 to finalize the action plan of the career development centers. Dr. D. R. Salomi Suneetha, Nodal officer CDC, Dean of Student Affairs (FAC), Dr. YSRHU, Venkataramannagudem, Andhra Pradesh; Dr. Channappagouda S. Birdar, Nodal officer CDC, Associate Professor, Veterinary Extension, KVAFSU, Bidar, Karnataka; Dr. Sanjay Guleria, Nodal officer CDC, SKUAST, Jammu were attended this meeting and presented their plan of action in their respective universities. Dr. N. Srinivasrao, Co-PI, NAHEP Component 2, ICAR-NAARM coordinated the meeting.



Glimpse of Virtual meeting of newly established CDCs

The following were present during the virtual meeting

S.NO	Name	Designation
1	Dr S K Soam	Principal Scientist, ICAR-NAARM & CCPI, NAHEP Component 2, NAARM
2	Dr D Thammi Raju	Principal Scientist & Co-PI, NAHEP Component 2, NAARM
3	Dr N Srinivasa Rao	Principal Scientist & Co-PI, NAHEP Component 2, NAARM
4	Dr. D.R. Salomi Suneetha	Dean of Student Affairs (FAC) & Chairperson of CDC Dr. YSRHU
5	Dr. Sanjay Guleria,	Professor & Head, Division of Biochemistry F.B.Sc & I/c Counselling and Placement Cell, SKUAST, Jammu & Nodal Officer, CDC
6	Dr. Channappagouda Birdar	Associate Professor, Veterinary College, KVAFSU, Bidar, Karnataka & Nodal Officer CDC
7	Mr. B. Raghupathi	Research Associate, NAHEP Component 2, ICAR-NAARM
8	Dr. S. Ajit Kumar	Research Associate, NAHEP Component 2, ICAR-NAARM

Chairs persons and Nodal officers of newly established CDCs

University	Chairperson of CDC	Executive Officer/CEO/ Nodal officer of CDC
Dr. YSRHU	Dr. D.R. Salomi Suneetha Dean of Student Affairs (FAC)	Dr. R.V. Sujatha, Associate Professor (Agricultural Economics) & Horticulture Business Incubation Centre (HBIC) i/c College of Horticulture, Venkataramannagudem
SKUAST	Prof. Rajinder Peshin Director of Education	Dr. Sanjay Guleria, Professor & Head, Division of Biochemistry F.B.Sc & I/c Counselling and Placement Cell
KVAFSU	Dr. M.D. Suranagi Director of Students Welfare	Dr. Channappagouda Birdar Associate Professor, Veterinary Extension, Veterinary College, Bidar

The MoUs have been signed by Dr. Anuradha Agrawal, National Coordinator, NAHEP Component 2 NAHEP; Dr Ch Srinivasa Rao, Director, NAARM representing NAARM; Dr. Sudeep Marwaha, Principal Investigator, NAHEP Component 2, and Dr S K Soam CCPI, NAARM representing NAHEP Component 2. The Vice Chancellors of representing universities signed MoUs on behalf of SAUs

Snapshot of events organized by CDCs

Type of Activities	Dr. YSRHU	KVAFSU	SKUAST	Grand Total
Workshops/ Trainings/ Expert Talks	05	10	01	16
Total Beneficiaries	2946(2085)	849(242)	40(20)	3835(2347)

Below are the details of committees/activities undertaken at CDCs of 3 SAUs:

1. Career Development Centre at Dr. YSR Horticultural University, Venkataramannagudem, Andhra Pradesh

The University was established by the Government of Andhra Pradesh through G.O.Ms.No.134 dated 26-06-2007 at Venkataramannagudem, near Tadepalligudem in West Godavari District with the mandate of teaching, research and extension in horticultural sciences.

CDC Committee at Dr. YSR Horticultural University, Andhra Pradesh

S.No	Committee	Name & Designation	Organization
1	Chairperson	Dr. D.R. Slomi Suneetha Dean of Student Affairs (FAC)	Dr. YSR Horticultural University, Andhra Pradesh
2	Vice-chairperson	Dr. S. Sree Vijaya Padma Associate Dean, College of Horticulture, Chinnalataripi	Dr. YSR Horticultural University, Andhra Pradesh
3	Member (Faculty Representative)	Dr. A.V.D. Dorajee Rao, Professor (Hort.), CoH, Venkataramannagudem	Dr. YSR Horticultural University, Andhra Pradesh
4	Member (Faculty Representative)	Dr. P. Vinay Kumar Reddy, Associate Professor & Placement i/c, CoH, Venkataramannagudem	Dr. YSR Horticultural University, Andhra Pradesh
5	Member (Stakeholder Representative Industry)	Sh. V. Naga Praveen, Deputy General Manager, HR, Oil Palm Plantations	Godrej Agrovet Limited, Gubbagurthy Village, Khammam, Telangana
6	Member (Stakeholder Representative Industry)	Sh. A. Prasad Babu Associate Vice President	Jain Irrigation Systems Ltd., Hyderabad
7	Member (Student Representative)	Mr. Ramavath Thavurya Naik, VHM-22/37 M.Sc (Horticulture) 2 nd Year CoH, Venkataramannagudem	Dr. YSR Horticultural University, Andhra Pradesh
8	Member (Student Representative)	Ms. Kuma Padma Jahnavi, VH-22/97 B.Sc (Hons) Horticulture, 2nd Year CoH, Venkataramannagudem	Dr. YSR Horticultural University, Andhra Pradesh
9	Member Secretary (HR Executive officer)	Dr. R.V. Sujatha, Associate Professor & Horticulture Business Incubator (HBIC), i/c, College of Horticulture, Venkataramannagudem	Dr. YSR Horticultural University, Andhra Pradesh

Following is the list of activities conducted at Dr. YSR Horticultural University, Andhra Pradesh

S. No.	Activity Name	Type of Activity	Duration	Total No. of beneficiaries
1.	Capacity Building Programme on “Mastering Stress and Time (Empowering Strategies for Personal and Professional Excellence)” (Hybrid Mode)	Workshop	26-06-2024	767
2.	Igniting Entrepreneurial Spirit in students: Sensitization and Interaction Session on Entrepreneurship Development (Hybrid Mode)	Workshop	06-07-2024	825
3.	Placement coordination, Preparing for the future: Sensitization programme on how to crack interviews	Workshop	20-07-2024	587
4.	Placement Coordination Preparing for the future: Sensitization Programme on “Grow more with Less Investment –Effective Approaches for Efficient Efforts	Workshop	23-07-2024	491
5.	Alumni Coordination-Connecting Success :An Interactive Session with University Alumni	Workshop	30-07-2024	276

2. Career Development Centre, Karnataka Veterinary, Animal and Fisheries Sciences University (KVAFSU), Bidar, Karnataka

The KVAFSU was formed as per the Karnataka Act No. 9 of 2004 called The Karnataka Veterinary, Animal and Fisheries University Act 2004 and published in the Karnataka Gazette Extra-Ordinary on the 23rd day of February, 2004. The University was established exclusively for the development of education and learning; conduct of research and extension education and transfer the rural oriented technologies in the areas of Veterinary, Animal, Dairy and Fisheries Sciences in Karnataka.

CDC Committee at KVAFSU, Bidar, Karnataka

S.No	Committee	Name & Designation	Organization
1	Chairperson	Dr. M.D. Suranagi Dean of Student Affairs	KVAFSU, Bidar, Karnataka
2	Vice-chairperson (Dean/Associate Dean)	Dr. M.K. Tandle Dean, Veterinary College, Bidar	KVAFSU, Bidar, Karnataka
3	Member (Faculty Representative)	Dr. Shrikant Kulkarni, ICAR, Nodal Officer	KVAFSU, Bidar, Karnataka

4	Member (Faculty Representative)	Dr. Vijay Kumar, Professor, Veterinary College, Bidar	KVAFSU, Bidar, Karnataka
5	Member (Stakeholder Representative Industry)	Dr. Mallinath KC Assistant Professor (Representative from Alumni Association)	KVAFSU, Bidar, Karnataka
6	Member (Stakeholder Representative Industry)	Dr. Preetam Sangam Product Manager	Alembic Pharmaceuticals Pvt. Ltd
7	Member Secretary (HR Executive officer)	Dr. Channapagouda Birdar Associate Professor, Veterinary College, Bidar	KVAFSU, Bidar, Karnataka

Following is the list of activities conducted at KVAFSU, Bidar, Karnataka

S. No.	Activity Name	Type of Activity	Duration	Total No. of beneficiaries
1	Soft skills for successful career	Workshop	21-06-2024	111
2	Career counselling and student placement workshop for interns of KVAFSU, Bidar	Workshop	06-07-2024	68
3	Food safety training and certification (FoSTaC) workshop	Workshop	19-07-2024	39
4	The Plight of farmer- Stakeholders apathy (By Prof. S V N Rao)	Expert Talk	23-07-2024	197
5	Essentials of Teaching and Learning Process (By Dr. Shivakumar Radder)	Expert Talk	23-07-2024	
6	The Future of Veterinary Profession: prospects and challenges. (By Prof. S V N Rao)	Expert Talk	23-07-2024	
7	Two days basic photography workshop	Workshop	03-08-2024 to 04-08-2024	72
8	Cow Beyond Milk: Research and Innovation Opportunities	Expert Talk	14-08-2024	144
9	Exploring Exciting Career Paths in Private Veterinary R&D & Pharmaceutical orientation to outgoing graduates.	Expert Talk	23 rd & 24 th August 2024	146

S. No.	Activity Name	Type of Activity	Duration	Total No. of beneficiaries
10	Integration AI and Homeopathy for advanced mastitis detection and management	Expert Talk	25-08-2024	72

3. Career Development Centre, Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu (SKUAST-Jammu)

Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu (SKUAST-Jammu) came into existence on 20th September, 1999 following the amendment in Sher-e-Kashmir University of Agricultural Sciences and Technology Act, 1982, through the State Legislature. The establishment of SKUAST of Jammu has in its background aspirations, commitment and missionary zeal to cater the needs of Jammu Division for the region specific advances through education, research and extension in the field of agriculture. The university is mandated to address the basic, strategic and applied research related to enhanced production in agriculture and allied sectors (livestock health improvement and quality based products).

CDC Committee at SKUAST, Jammu

S.No	Committee	Name & Designation	Organization
1	Chairman	Director of Education	SKUAST, Jammu
2	Co-Chairman	Dean, F.V.Sc & AH	SKUAST, Jammu
3	Human Resource Executive Officer	Dr. Sanjay Guleria Professor & Head, Division of Bio-Chemistry, F.B.Sc & I/c Counselling and Placement Cell	SKUAST, Jammu
4	Member (Faculty Representative)	Dr. Vikas Abrol, Division of Soil Science and Agril. Chemistry, Faculty of Agriculture	SKUAST, Jammu
		Dr. Kamal Sarma, Professor, Division of Veterinary Anatomy, Faculty of Veterinary Sciences and Animal Husbandry, R.S.Pura	SKUAST, Jammu
		Dr. B.K. Sinha Associate Professor, Faculty of Basic Sciences	SKUAST, Jammu
		Dr. R.K. Srivastava,	SKUAST, Jammu

S.No	Committee	Name & Designation	Organization
		Professor & Head, Division of Soil and Water Engineering, Faculty of Agri Engineering	
		Dr. Lalit Mohan Gupta Professor & Head, Division of Forest Products and Utilization, Faculty of Horticulture and Forestry	SKUAST, Jammu
		Dr. Amita Salaria Faculty of Dairy Technology	SKUAST, Jammu
		Dr. Ravinder Singh Assistant Professor. Institute of Biotechnology	SKUAST, Jammu
5	Member (Stakeholder representative)	Sh. Gagan Jain Managing Director	VKC Nuts Pvt. Ltd, Jammu
		Sh. Annil Suri Managing Director	Satyam Cattle Feed, Jammu
		Sh. Rohit Gupta Co-Chairman	Sarveshwar Foods Ltd., Jammu
6	Member (Student Representative)	Ms. Mridula Sharma (J-21-Agri-1394) B.Sc (Hons) Ag. 3 rd Year, FoA	SKUAST, Jammu
		Mr. Saksham Gupta B.VSc & AH 3 rd Year FVSc & AH	SKUAST, Jammu
		Mr. Nishant Jasrotia Ph.D student Division of Statistics and Computer Science, FBSc	SKUAST, Jammu
		Mr. Sheikh Aadil Musthaq Ph.D student Division of Farm Machinery and Farm Engineering, FoAE	SKUAST, Jammu
		Mr. Sourabh Singh Ph.D student	SKUAST, Jammu

S.No	Committee	Name & Designation	Organization
		Division of Silviculture & Agroforestry, FoH &F	
		Mr. Suham B.Tech (Dairy Technology) 2 nd Year Student, FoDT	SKUAST, Jammu
		Ms. Supneet Kour Ph.D. Student Institute of Biotechnology	SKUAST, Jammu

The Career Development Centre (CDC) of Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu (SKUAST-Jammu), supported by the ICAR-National Academy of Agricultural Research Management (NAARM), Hyderabad, successfully conducted a four-day workshop on soft skill development for students from July, 22-25, 2024. Dr. Sanjay Guleria, has nominated as nodal officer for the CDC as per the NAHEP guidelines. Forty students from six faculties benefited from the programmes.

Photo Gallery

Glimpses of CDCs activities at the Newly established CDCs



@ Dr. YSR Horticultural University, Venkataramannagudem, Andhra Pradesh



@ KVAFSU, Bidar, Karnataka



@ SKUAST-Jammu

Media Gallery

Glimpses of Media coverage



@ Dr. YSR Horticultural University, Venkataramannagudem, Andhra Pradesh



@ KVAFSU, Bidar, Karnataka



@ SKUAST-Jammu

4. Details of Important Events

Mainstreaming of Agricultural Higher Education in Colleges in Rural Set-up affiliated with Public Traditional Universities

The agricultural higher education in the country started from pre-independence time through establishing agricultural faculty in colleges under public traditional universities, few such colleges are located in rural areas in UP and Uttarakhand. These colleges produce large number of students, who come primarily from lower middle-income group from hard core rural areas. Let us not forget that private universities are coming in a big way to offer agricultural higher education, these colleges can become better alternatives for many prospective students. Recognizing the importance of these colleges an interface meeting was conducted by NAARM on 'Mainstreaming of agricultural higher education in colleges/ departments affiliated with traditional public universities. This meeting under NAHEP component-2 held on 27th August 2024 at ICAR committee hall, NAAS, NASC, New Delhi.

There were around 40 participants from colleges side and ICAR/ NAHEP side. The principals of 10 colleges from 05 traditional universities in UP and Uttarakhand attended. Dr RC Agrawal, DDG (Agrl Education), ICAR Chaired the meeting. Besides NAHEP team, other notable attendees from ICAR were: Dr Seema Jaggi, ADG, Education Division, ICAR, New Delhi; Dr Rajender Parsad, Director, IASRI, New Delhi; Dr Anuradha Agrawal, NC and Director, DKMA, New Delhi; Dr Sudeep, PI, NAHEP component-2, IASRI, New Delhi; Dr SK Soam, CCPI, component-2, NAARM, Hyderabad; Dr NK Jain, NC, IDP, NAHEP, ICAR, New Delhi.

Dr SK Soam, CCPI, NAHEP component-2, visualised, conceptualised and implemented for strategic policy in partnership with GMV, Rampur Maniharan, the college has agricultural faculty and established in pre-independence era. Dr Omkar Singh, Principal, GMV, Rampur Maniharan was the convener of the meeting. Shri Kumar Rajesh, Director, Administration, NAHEP, New Delhi and Dr Sudershan Mishra, Assistant Professor, Gochar Mahavidyalaya, Rampur Maniharan coordinated the meeting.

Following are the major findings/ recommendations from the meeting:

- The participant informed that these colleges established pre-independence and produce around 12000 graduates and 3000 post graduates.
- Such colleges at country level need to be identified and proposal to be mooted to affiliate their agricultural faculty with the nearby SAUs on pattern of Rajasthan.
- Relevant policy decision required regarding collection of fees by KVKs for RAWE program of students of these colleges. KVK must not charge the fee for that.
- Faculty quality at such colleges is excellent, but they need to be strengthened through capacity building of them. ICAR institutes can take them into loop to conduct training programs jointly with them at their campuses or sharing resources under MoUs.
- NAHEP component-2 IT output such as alumni portal, eLearning etc can be shared



Skill Development Certificate Course Organized in PPP Mode

NAHEP as model linkages study funded a 10-days certificate course for 25 agricultural students of SAU and a private university. The certificate course on ‘Agricultural Production Systems and Supply Chain Management’ was organized jointly by SAU ‘Dr YS Parmar University of Horticulture and Forestry (Dr YSPUHF)’, Nauni, HP and a private partner ‘Shoolini University (SU)’, Solan, HP. This course was conducted during 25 July to 03 August 2024 at Shoolini University. Course covered various aspects of agricultural production systems, marketing, trade, storage, cold chains warehousing, entrepreneurship, IPRs etc. The main purpose of this certificate course was to strengthen the collaborations between public and private universities for social good at local level. Dr PK Khosala, Chancellor, Shoolini University in his valedictory address said that this programme was a beginning for future joint initiatives in academic, research and extension activities by both the Universities.

Following are main highlights of this study:

- Both universities are local, the faculty members and students have come closure and understood the attitude and functioning of each other very well.
- There is every possibility that both the universities will do faculty exchange and would put joint research projects.
- Both the universities also thought of internships of the UG students using facilities of each other.

Course Director:

Prof. Inder Dev, Director, Extension Education, UHF, Nauni, Solan

Course Coordinator(s):

1. Prof. Anil Sood, Joint Director (Communication), UHF, Nauni, Solan

2. Prof. Somesh Sharma, Assoc. Dean, School of Agriculture, Shoolini University

Course Co-coordinators(s):

1. Dr. Pratima Rana, Assistant Professor, Directorate of Extension Education (DEE), UHE, Nauni, Solan

2. Dr Ravinder Nath, Associate Professor, School of Agriculture, Shoolini University

3. Dr Santanu Mukherjee, Associate Professor, School of Agriculture, Shoolini University





Training Programmes on Developing Winning Research Proposals Under NAHEP Component 2

The Academy organised a 5-day training programmes on Developing Winning Research Proposals under NAHEP Component 2. The programs were held during Jul 15-19, 2024. The programme included theoretical and practical sessions on various topics including elements of research proposal, design thinking, building research concepts, tips on writing winning proposals, etc. The programme also included practical sessions on writing project proposals using Research Concept Writer and Project Logframe Writer. A total 31(04 Female) participants from 09 ICAR Institutions, 12 State Agricultural Universities and 10 private universities belongs to 11 states attended this training. This training programme was coordinated by Dr S K Soam, CCPI, NAHEP Component 2.



New Career Development Centers (CDCs) under NAHEP: Status and Progress

The Academy established three new Career Development Centers (CDCs) at Dr. YSR Horticultural University, Venkataramannagudem, Andhra Pradesh; Karnataka Veterinary, Animal and Fisheries Sciences University, Bidar; Karnataka & Sher-e-Kashmir University of Agricultural Sciences and Technology, Jammu. The chairpersons and the nodal officers were appointed by the concerned SAUs as per the NAHEP CDC guidelines for the effective coordination and functioning of the centers. The MoUs have been signed by Dr. Anuradha Agrawal, National Coordinator, NAHEP Component 2 NAHEP; Dr Ch Srinivasa Rao, Director, NAARM representing NAARM; Dr. Sudeep Marwaha, Principal Investigator, NAHEP Component 2, and Dr S K Soam CCPI, NAARM representing NAHEP Component 2. The Vice Chancellors of representing universities signed MoUs on behalf of SAUs. The CDCs organized a total of 16 activities which includes 05 workshops by Dr. YSRHU, 10 workshops by KVAFSU and 01 workshop by SUKAST, Jammu. The students are sensitized on capacity building programmes, igniting Entrepreneurial Spirit, soft skills and thought-provoking expert talks on their respective domains. A total 3835 students benefited under these new CDCs activities established the academy. The CDCs activities were coordinated by Dr. SK. Soam CCPI, NAHEP and Dr. N. Srinivasarao Co-PI, NAHEP from NAARM.



Soft and Entrepreneurial Skills: Workshop for Agri-students in Rural Setup

Under World Bank funded National Agricultural Higher Education Project (NAHEP) component-2 of NAARM, the specific efforts are being done for agricultural students studying in rural set up and in Hindi language. In this series, third one-day awareness workshop ‘Development of Soft and Entrepreneurial Skills among Agricultural Graduates’ was done on 15th May 2024. The workshop was conducted at Gochar Mahavidyalaya, Rampur Maniharan, District Saharanpur, UP. More than 100 agricultural UG students participated. Dr SK Soam, CCPI, NAHEP Component-2 provided the overall guidance. Dr Omkar Singh, The Principal of the college, was workshop director. Prof JP Singh and Prof Rajbir Singh coordinated the event. Dr Anuradha Agrawal, National Coordinator, NAHEP Component-2 Presided the inaugural session as Chief Guest. Dr Naresh Malik, the senior most Principal in Uttar Pradesh, Dr Satyandra Pal, Principal of PG College, Shamli were the Guest of Honour. The distinguished alumni of the college Shri Seth Pal Singh, who is a Padamshri awardee farmer, Shri Gyan Singh of Indian Postal Service and Shri Gulshan Nagpal, an innovative entrepreneur motivated the students in farming innovations, soft skills, and communication. Ch. Tej Singh, Secretary of college management Presided the valedictory function. During discussion with NC and Principals, one major issue has been identified that there are 25 such colleges in UP and adjoining state Hindi belt, which are imparting UG and PG courses but completely aloof from agricultural higher education mainstream, therefore ICAR must have some focused scheme because the students are from rural areas and completing their education in core rural setting.



रामपुर मनिहारान के गोचर महाविद्यालय में छात्र-छात्राओं को संबोधित करते मुख्य अतिथि • हिन्दुस्तान

कौशल विकास पर कार्यशाला आयोजित

रामपुर मनिहारान। गोचर महाविद्यालय में दिन बुधवार को कृषि उद्यमिता निमित्त छात्रोंपयोगी ज्ञान एवं कौशल विकास पर एक दिवसीय कार्यशाला का आयोजन किया। कार्यशाला में मुख्य अतिथियों द्वारा छात्र- छात्राओं को कौशल विकास के नए आयामों की जानकारी दी गई। विश्व बैंक समर्थित परियोजना नाहेप द्वारा गोचर महाविद्यालय के सभागार में आयोजित एक दिवसीय कार्यशाला का शुभारंभ मुख्य अतिथि डॉ. एस. के. सोम, प्राचार्य डॉ. ओंकार सिंह, डॉ. नरेश मलिक, डॉ. अनुराधा अग्रवाल, डॉ. सत्येंद्र पाल ने दीप प्रज्ज्वलित करके किया।

Training Workshop on "Entrepreneurship & Intellectual Property Rights" for Agri Graduates at SKUAST-K, Srinagar, Kashmir

ICAR-National Academy of Agricultural Research Management, Hyderabad under NAHEP Component 2 organized a four-day training workshop on "Entrepreneurship & Intellectual Property Rights" for agricultural graduates in collaboration with Sher-e-Kashmir University of Agricultural Sciences and Technology (SKUAST), Srinagar at SKUAST-K, Shalimar Campus during 25-28 June 2024. The workshop aimed to empower young graduates with essential skills and knowledge crucial for entrepreneurial ventures in the agricultural sector. The workshop inaugurated by Chief Guest Dr Ch Srinivasa Rao, Director, ICAR-NAARM, he inaugurated the program and 'Patent Wall' of SKUAST-K along with Prof. Nazir Ahmed Ganai, Vice Chancellor, SKUAST-K. Dr Anuradha Agrawal, National Coordinator, NAHEP Component 2, New Delhi; Dr Harron R. Naik, Director Research, SKUAST-K; Shri Rajinder Kumar Sharma, Director, J&K Entrepreneurship Development Institute, Srinagar; Dr Azmat Alam Khan, OSD to VC, SKUAST-K and Dr S K Soam

CCPI, NAHEP Component 2 were present during inauguration. Dr Naveed Hamid, Assistant Prof, SKUAST and CEO of University Incubator, SKIIE was the Nodal Officer.

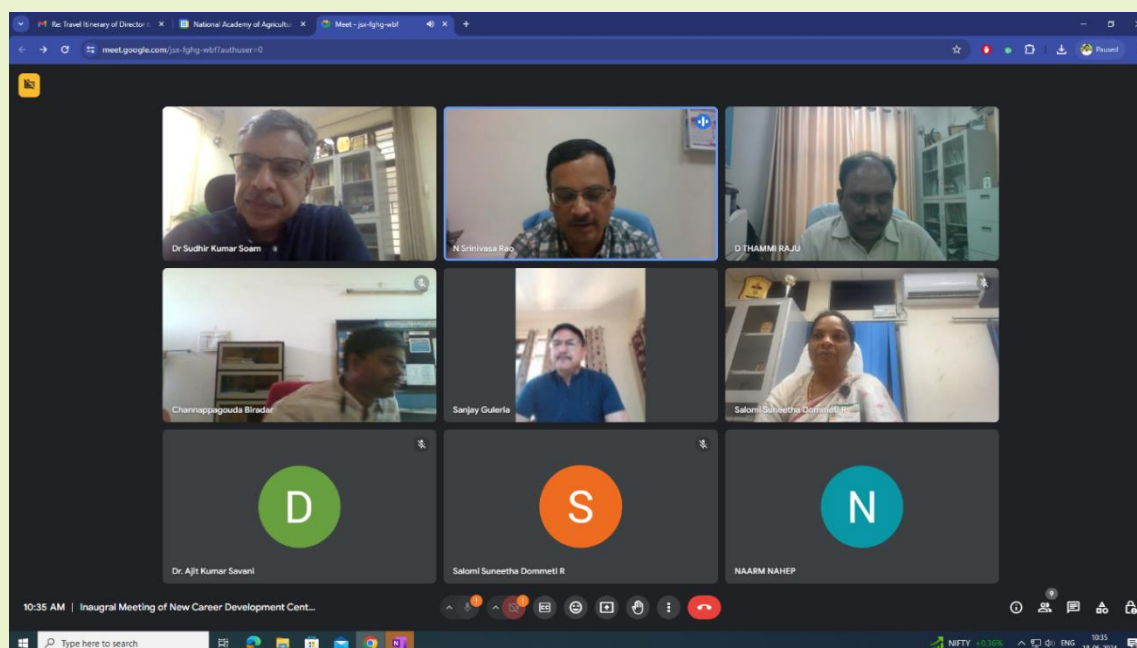


Dr Ch Srinivasa Rao Director, NAARM in his lecture motivated the students on agri entrepreneurship and presented the role of NAARM in agri entrepreneurship development. Students got an opportunity to learn about Intellectual Property Rights (IPR) relevant to agriculture and entrepreneurship, including patents, trademarks, copyrights, and plant breeders' rights during the workshop. Students also got an opportunity to meet with Geographical Indication registered product representatives Shri. Mohammad Saleem Sofi and Mr Nazir Ahmed Mir. Around 60 enthusiastic students and faculty participated in this workshop. The workshop received positive feedback from participants, highlighting its role in equipping them with practical skills and inspiring them to innovate within the agricultural sector.



ICAR-NAARM Establishes three new Career Development Centers (CDCs) under NAHEP

ICAR-NAARM establishes three new Career Development Centers (CDCs) at Dr.YSR Horticultural University, Venkataramannagudem, Andhra Pradesh; Karnataka Veterinary, Animal and Fisheries Sciences University (KVAFSU), Bidar, Karnataka, and Sher-e-Kashmir University of Agricultural Sciences and Technology (SKUAST-Jammu). The tripartite agreement has been signed between, ICAR-NAARM, Universities and NAHEP. A virtual meeting was held on 18th June under the chairmanship of Dr. SK. Soam, Collaborating Centre Principal Investigator, NAHEP Component 2 to finalize the action plan of the CDCs. Dr. D. R. Salomi Suneetha, Nodal officer CDC, Dean of Student Affairs (FAC), Dr. YSRHU; Dr. Channappagouda S. Birdar, Nodal officer CDC, Associate Professor, Veterinary Extension, KVAFSU; Dr. Sanjay Guleria, Nodal officer CDC, SKUAST- Jammu attended the meeting and action plan was discussed and finalized. The NAHEP Co-PIs Dr D. Thammiraju, clarified the role and expectations, and Dr. N. Srinivasrao, coordinated the meeting.



5. Information Technology Tools and Web Portals

#	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/emal/
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/

Weblinks for Videos Relating with Skill Development and Entrepreneurship for UG Students

About	Content	Weblink
Beejamrit	Formulation	https://naturalfarming.niti.gov.in/components/
Beejamrit	Reference video	https://www.youtube.com/watch?v=Kq6-wM7s-QI
jivamrit	Formulation	https://naturalfarming.niti.gov.in/components/
jivamrit	Reference video	https://www.youtube.com/watch?v=puX8Fmpc0T8
Plant Protection- Neemastra	Formulation	https://naturalfarming.niti.gov.in/components/
Plant Protection- Brahmastra	Formulation	https://naturalfarming.niti.gov.in/components/
Plant Protection- Agniastra	Formulation	https://naturalfarming.niti.gov.in/components/

Pancha gavya	Formulation	https://dsttara.in/InnerPages/Technology_Details.aspx?TechnologyId=2178&Title=Panchagavya%20-%20as%20a%20liquid%20formulation&Category=Agriculture%20And%20Animal%20Husbandry&NGOId=19&NGO=Vivekananda%20Kendra%20-%20Natural%20Resources%20Development%20Project
Vermicompost	Formulation	https://www.youtube.com/watch?v=O0BKA3RAwNs
Vermicompost	Formulation	https://www.youtube.com/watch?v=aXtPhyq5RPA
organic manure	Formulation	https://www.youtube.com/watch?v=MM1MVa4kLwc
organic manure	Formulation	https://www.youtube.com/watch?v=OZWdP-l8k9A
organic manure	Formulation	https://www.youtube.com/watch?v=3VrQ9XqppMM
Hydroponics	Basics of hydroponics and its setup, commercial viability , sales channel	https://www.youtube.com/watch?v=x5c11vqIu5Q
Hydroponics	Nutrition management in Hydroponics	https://www.youtube.com/watch?v=6S6n3E3F4z0
Hydroponics	How to make nutrient solution, links for Hydroponics fertilizers and equipments	https://www.youtube.com/watch?v=EN6Bi9iwIXg
Hydroponics	pH and TDS of different vegetables	http://www.homehydrosystems.com/ph_tds_ppm/ph_vegetables_page.html
Rice	Breeding and agronomic practices	http://www.knowledgebank.irri.org/
Rice	Breeding and agronomic practices	https://agritech.tnau.ac.in/agriculture/agri_index.html

Jowar cultivation	Breeding and agronomic practices	https://www.kisansuvidha.com/sorghum/?v=ad4f1670f142
Jowar cultivation	Breeding and agronomic practices	https://agritech.tnau.ac.in/agriculture/agri_index.html
Jowar cultivation	Breeding and agronomic practices	https://www.kisansuvidha.com/%e0%a4%ac%e0%a4%be%e0%a4%9c%e0%a4%b0%e0%a4%be-%e0%a4%95%e0%a5%80-%e0%a4%96%e0%a5%87%e0%a4%a4%e0%a5%80/?v=ad4f1670f142
Jowar cultivation	Breeding and agronomic practices	https://oar.icrisat.org/11531/1/Handbook%20on%20Sorghum%20production%20for%20NE%20printed%20version.pdf
Sugarcane Cultivation	Breeding and agronomic practices	https://agritech.tnau.ac.in/agriculture/agri_index.html
Tissue culture	Step wise information and important processes	https://www.youtube.com/watch?v=TORRxwbz7aY
Sugarcane Cultivation	Tissue culture	https://www.google.com/search?sca_esv=d7ed808a3c5b3242&sca_upv=1&sxsrf=ACQVn0-h-N6KAZwGBS3PTe4bhtN1T5ITHA:1712144978743&q=sugarcane+tissue+culture&tbm=vid&source=lnms&prmd=ivsnmbtz&sa=X&ved=2ahUKEwii74uK_aWFAxVxyzgGHR7rBOcQ0pQJegQIExAB&biw=1600&bih=773&dpr=1#fpstate=ive&vld=cid:a8fc2aa3,vid:_0XLX8XHfFc,st:0
Sugarcane Cultivation	Tissue culture plantlet plantation in field	https://www.youtube.com/watch?v=Wcp_IRNhhWo
Banana cultivation	tissue culture	https://www.youtube.com/watch?v=DAwmWdlMMwU
Maize	Breeding and agronomic practices	https://agritech.tnau.ac.in/agriculture/agri_index.html
Maize	Breeding and agronomic practices	https://www.kisansuvidha.com/%e0%a4%b8%e0%a5%8d%e0%a4%b5%e0%a5%80%e0%a4%9f-%e0%a4%95%e0%a5%89%e0%a4%b0%e0%a5%8d%e0%a4%a8-%e0%a4%95%e0%a5%80-

		https://www.kisansuvidha.com/%e0%a4%96%e0%a5%87%e0%a4%a4%e0%a5%80/?v=ad4f1670f142
Vegetable crops	Breeding and agronomic practices	https://agritech.tnau.ac.in/horticulture/horti_Vegetables.html
Vegetable crops	For Tomato	https://www.kisansuvidha.com/%e0%a4%9f%e0%a4%ae%e0%a4%be%e0%a4%9f%e0%a4%b0-%e0%a4%95%e0%a5%80-%e0%a4%89%e0%a4%a8%e0%a5%8d%e0%a4%a8%e0%a4%a4-%e0%a4%96%e0%a5%87%e0%a4%a4%e0%a5%80/?v=ad4f1670f142
Vegetable crops	For Okra	https://www.kisansuvidha.com/%e0%a4%ad%e0%a4%bf%e0%a4%a3%e0%a5%8d%e0%a4%a1%e0%a5%80-%e0%a4%95%e0%a5%80-%e0%a4%b5%e0%a5%88%e0%a4%9c%e0%a5%8d%e0%a4%9e%e0%a4%be%e0%a4%a8%e0%a4%bf%e0%a4%95-%e0%a4%96%e0%a5%87%e0%a4%a4%e0%a5%80-2/?v=ad4f1670f142
Protected cultivation of horticulture crops	Technical bulletin covering all the aspects of protected cultivation from setup of polyhouses,beds-to practices	https://krishi.icar.gov.in/jspui/bitstream/123456789/5381/1/Technical%20Bulletin_Protected%20Cultivation%20in%20Horticultural%20Crops.pdf
Potato powder	Making potato powder	https://www.youtube.com/watch?v=G2fRB9oU7x0

6. Publications

1. Research Papers

S. Rathore, **S. Kumar Soam**, Y. Basavapatna Subbanna, B. Shankar Sontakki, and R. Raghuvanshi (2024). Exploring the Entrepreneurial Readiness of Indian Agri – Graduates: Pathway to the Enhanced Entrepreneurial Ecosystem. *J. Agr. Sci. Tech.* (2024) Vol. 26 (4): 727-740.

2. Proceedings

Soam, S.K., Sudeep Marwah, Anuradha Agrawal (2024). Career Development Centres in Agricultural Universities: Policy Interventions for Sustainability and Scaling-Up. Proceedings and Recommendations of Regional Workshops on Sustainability of Career Development Centres (pp. 1-36) NAHEP component 2, ICAR-National Academy of Agricultural Research Management, Hyderabad, Telangana, India

7. Specific Achievements: DWRP online Training Module

Developing Winning Research Proposals (DWRP)- Training module developed under NAHEP component-2

To make learning more effective, we did innovation of '**Software Based Teaching-Learning**' and developed three online tools as explained in next paragraphs. These tools are available online under open access policy through Google search engine. The tools have been continuously evolved by team-NAARM and copyrighted.

Description: Consist of complete package of copyrighted three independently operating open access applications on internet i.e., **1. Research Concept Writer** (<https://naarm.org.in/dwrp/>) to identify and record key elements at conceptualization level, **2. AHP Analyser** (<https://naarm.org.in/ahp/>) to evaluate winning index of research concept using globally accepted methodology called Analytic Hierarchy Process (AHP), **3. Project Logframe Writer** (<https://naarm.org.in/logframe/>) to translate concept into full research project proposal with clarity and logically defined hierarchy of objectives, objectively verifiable M&E indicators, critical assumptions and risk factors.

Impact: As per Google analytics on 8th February 2024, combinedly for three applications there are **5606 registered** users in **120 countries**, total page views are 209,474. Since 2017 about 2000 FOCARS and other trainees including 200 Indian Forest Service (IFS) officer have been trained and all appreciated these software, the Director, Bay of Bengal informed that during December 2023, these have been used by senior officers of Government of Sri Lanka and they appreciated software. Impact analysis was done and **book published**, which is available at KRISHI portal of ICAR (<https://krishi.icar.gov.in/jspui/handle/123456789/7993/>). Using AHP Analyser a problem solving research was done and **paper published** in high impact international journal (<https://doi.org/10.3389/fenvs.2022.1099996>). These software take the learners to following route of learning and practice-by-doing.

1. Key Elements in Writing Research Concept (theory followed by practical)
2. Evaluating Winning Index of the Research Concept (theory followed by practical)
3. Learning to Prepare Project Logical Framework (theory followed by practical)

In provided YouTube lessons, the complete module is divided into three steps and each session is about 180 minutes duration and work flow is divided into following four parts:

- Theory by Dr SK Soam
- Demonstration of IT online tool by team led by shri B. Raghupathi
- Group work (4-5 participants in each group) using online tools
- Discussion for refinement of learning by Dr SK Soam and participants

You may go thru online Lecture-Demo-Practice under 03 Steps available on weblinks

Developing Winning Research Proposals (DWRP): **Step-1:** Conceptualizing a research project (theory and group practice using online open access tool- **Research Concept Writer**)

YouTube Link:

https://youtu.be/Tdw_HRjnJB8

Developing Winning Research Proposals (DWRP): **Step-2:** Knowing winning index of your research concept (theory and group practice using online open access tool- **AHP Analyser**)

YouTube Link:

https://youtu.be/v_OApgIYOUQ

Developing Winning Research Proposals (DWRP): **Step-3:** Making research project implementation plan (theory and group practice using online open access tool- **Project Logframe Writer**)

YouTube link:

<https://youtu.be/hjEF50ThdbU>

8. Disaster Recovery Center (DRC)

The Disaster Recovery Center (DRC) established at NAARM, Hyderabad, we successfully maintained the ICT and physical infrastructure, including non-IT components such as UPS, air conditioning systems, fire detection and control systems, generator units, lighting systems, power and network cabling, and related items during 2024-25.

We resolved an issue with the underground LT cable of the DRC by installing a new cable from the NAARM electrical room to the DRC. This repair work was carried out through CPWD and funded by the NAARM budget. Additionally, we replaced the DG set batteries after they were found to be exhausted.

The competent authority at ICAR constituted a Technical Committee (TC) under the chairmanship of Dr. A.R. Rao, ADG (PIM), to review the Requests for Proposals (RFPs) for (a) the Annual Maintenance Contract (AMC) of the DRC at NAARM, Hyderabad, and (b) the procurement for Techno-refreshment at both ICAR Data Center (DC) at IASRI, New Delhi, and the DRC at Hyderabad.

The concerned DRC staff from NAARM attended the following meetings, participated and provided necessary information of DRC :

1. The second meeting, along with a site visit by the Technical Committee, took place at ICAR DRC, NAARM, Hyderabad, on 18th January 2024.
2. The third meeting, with a visit to ICAR DC, IASRI, New Delhi, occurred on 13th March 2024.

Additionally, DRC review meetings were organized by IASRI, New Delhi, on 23rd February 2024 and 22nd August 2024. The concerned DRC staff attended these meetings, provided necessary inputs to the committee, and actively participated in the discussions related to DRC activities.

9. Financial Information for the FY 2024-25

Receipts & Payments for the period upto 17 September, 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 2024-25 (A)	Opening Balance as on 01.04.2024 (B)	Grant received till date (C)	Expenditure upto date (including Advances) (D)	Refunds (E)	Closing Balance as on 17.09.2024 (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	0	0	0	0	0
	Computers & Peripherals (Hardware & Software)	0	0	0	0	0	0
	Books & journals		0	0	0		0
	Sub Total - A	0	0	0	0	0	0
B	Civil Works						0
	Minor Repair & Renovation work	0	0	0	0	0	0
	Sub Total - B	0	0	0	0	0	0
	Sub Total A+B	0	0	0	0	0	0
C	Human Capacity Building						
	National Level Trainings	300000	0	300000	237900	62100	0
	International Level Trainings	0	1100000	0	0	1100000	0
	Short Visits/ Seminars	0	1800000	0	0	1800000	0
	Meetings and Workshops	200000	0	200000	110000	90000	0
	Sub Total - C	500000	2900000	500000	347900	3052100	0
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	300000	3537870	300000	171316	3666554	0
	Contractual Services	800000	1436538	800000	647471	1589067	0
	Operational Costs	2100000	8146509	2100000	2030297	8216212	0
	Institutional Charges	0	1558850	0	0	1558850	0
	Sub Total - E	3200000	14679767	3200000	2849084	15030683	0
	Sub Total (C+D+E)	3700000	17579767	3700000	3196984	18082783	0
	Sub Total (A+B+C+D+E)	3700000	17579767	3700000	3196984	18082783	0



भारत-राष्ट्रीय कृषि अनुसंधान प्रबंध अकादमी
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