

# **Annual Progress Report (2021-22)**

## **NAHEP-INSTITUTIONAL DEVELOPMENT PLAN**

**Strengthening Institutional Capacity to Produce Skilled Professionals  
for Market Driven Agriculture**



Submitted By



**CCS Haryana Agricultural University, Hisar-125 004**

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## **1. Executive Summary**

### **NAHEP Project Objective:**

NAHEP is designed to strengthen the national agricultural education system in India with overall objective to provide more relevant and high quality education to agricultural university students. This programme will promote efficiency and competitiveness through changes in working mechanism of agricultural universities, raising the teaching and research standards through improved research and teaching infrastructure and enhanced faculty competency and commitments, and making agricultural education more attractive to talented students. There are four key components under NAHEP, namely; Institutional Development Plan (IDP), Centres for Advanced Agricultural Sciences and Technology (CAAST), ICAR to support excellence in agricultural universities (AUs), and ICAR Innovation Grants to AUs. It is envisaged that improved AU performance through quality enhancement, better employment and entrepreneurship opportunities created for agriculture graduates, non-accredited AUs attaining ICAR accreditation, and institutional reforms implemented in education division of ICAR and AUs under these components together shall contribute to the achievement of the overall program objective.

Under NAHEP, CCS Haryana Agricultural University (HAU), Hisar is implementing the Institutional Development Plan (IDP). The project is improving efficiency of Agricultural education through enhanced faculty competence, innovative partnerships with industry and international universities and strengthening/ renovation/modernization of existing physical facilities. It has been intended to initiate innovative courses and training programs in partnership with industry and universities abroad to enhance employability and nurturing entrepreneurial skills to produce the next generation of graduates and leaders for climate resilient market driven sustainable agriculture in a global context. Specific activities undertaken include institutional capacity building and global knowledge partnerships through faculty development, curriculum enhancement, student and faculty exchanges, internships and experiential learning with industry, skill development activities, alumni networks, agribusiness incubation centre, and university industry conclave.

## **2. Progress made during period**

The progress made across each components of NAHEP during April'21 to March '22 is provided.

### **i. Component 1a: Support to Institutional Development Plan (IDP) of AUs**

The IDP financed activities are more oriented towards capacity building and governance reforms leading to the greater autonomy and sustained accreditation of the University. The key provisions for funding under IDP include teaching and research infrastructure development, faculty development and training, networking and industry collaboration, vocational training, students job placement, own revenue generation and support to twinning plan. In addition to these priorities, emphasis is also being placed on effective industry linkages to enhance employability of agriculture graduate as well as to help AUs to generate their own resources. Renewed public-private partnership efforts will

strengthen stakeholder role in curriculum design and faculty and student development. This will help the agricultural higher education system in India to produce quality graduates with desired traits, exposure and experience, and skills in innovation, entrepreneurship, and agribusiness to solve current and emerging problems of agriculture.

**a. Procurement:**

- Equipment purchased upon approval in STEP

S.No.	Activity Reference No. / Description:	Procurement Category	Evaluation Options	Process Status
1.	IN-CCS HAU HISAR-90562-GO-RFQ / microwave oven	Goods	RFQ	Completed
2.	IN-CCS HAU HISAR-117122-GO-RFQ / NIR Spectrophotometer ( One in number)	Goods	RFQ	Completed
3.	IN-CCS HAU HISAR-117444-GO-RFQ / Dry bath (One in number)	Goods	RFQ	Completed
4.	IN-CCS HAU HISAR-90554-GO-RFQ / Nanodrop/microvolume spectrophotometer	Goods	RFQ	Completed
5.	IN-CCS HAU HISAR-169099-GO-RFQ / Digital Balance (One in number)	Goods	RFQ	Completed
6.	IN-CCS HAU HISAR-117433-GO-RFQ / 96-Well PCR Thermal Cycler machine (two in numbers)	Goods	RFQ	Completed
7.	IN-CCS HAU HISAR-90657-CW-RFQ / Modernisation of lecture rooms (COA) including smart class room accesories	Works	RFQ	Completed
8.	IN-CCS HAU HISAR-169103-GO-RFQ / Digital Microscope ( Five in number)	Goods	RFQ	Completed
9.	IN-CCS HAU HISAR-90593-GO-RFQ / office equipemts (paper shredder 6nos, office cabinet 7 nos, electric multibinder 4 nos, label printer 3 nos, photocopier 1no. and 1.5 ton AC with stablizer 1 no.)	Goods	RFQ	Completed
10.	IN-CCS HAU HISAR-117441-GO-RFQ / Micropipettes Sets (five in numbers)	Goods	RFQ	Completed
11.	IN-CCS HAU HISAR-169109-GO-RFQ / pH Meter (two in number)	Goods	RFQ	Completed
12.	IN-CCS HAU HISAR-169123-GO-RFQ / CCTV with recorder ( Five in number)	Goods	RFQ	Completed

13.	IN-CCS HAU HISAR-169261-GO-RFQ / Office Equipments (Air Conditioner (1.5tons) with stabilizer	Goods	RFQ	Completed
14.	IN-CCS HAU HISAR-169110-GO-RFQ / Hot Plate Stirrer	Goods	RFQ	Completed
15.	IN-CCS HAU HISAR-90620-GO-RFQ / Computers and Peripherals (Desktop student model computer 15nos, Desktop computer high configured 5 nos, printer heavy duty 1 no, multifunctional printer 5 nos, computer software 5nos, LCD projector with screen 4 nos.)	Goods	RFQ	Completed
16.	IN-CCS HAU HISAR-90679-GO-RFQ / Furniture and fixture (Office table 4nos, office chair 5nos, steel cabinet 5nos. book shelf 5nos.)	Goods	RFQ	Completed
17.	IN-CCS HAU HISAR-90633-GO-RFQ / Books and Journals	Goods	RFQ	Completed
18.	IN-CCS HAU HISAR-169258-GO-RFQ / Office Tables ( four in number), Standard table ( Five in number), Office Chairs (five in number), Book Shelf ( Five in number)	Goods	RFQ	Completed
19.	IN-CCS HAU HISAR-117124-GO-RFQ / Deep Freezer ( One in number)	Goods	RFQ	Completed
20.	IN-CCS HAU HISAR-117443-GO-RFQ / SPAD Plus Chlorophyll Meter (two in number)	Goods	RFQ	Completed
21.	IN-CCS HAU HISAR-117436-GO-RFQ / Ice Maker( One in number)	Goods	RFQ	Completed
22.	IN-CCS HAU HISAR-90639-CW-RFQ / renovation/repair/refurbshiment/extension of laboratory	Works	RFQ	Completed
23.	IN-CCS HAU HISAR-90541-GO-RFQ / Quantitative Real time PCR	Goods	RFQ	Completed
24.	IN-CCS HAU HISAR-90684-GO-RFQ / smart class room equipments (interactive panells, podium, microphone, audio system, cctv camera with recorder, visulaiser, biomteric attendance system)	Goods	RFQ	Completed

25.	IN-CCS HAU HISAR-117445-GO-RFQ / Oven (two in number)	Goods	RFQ	Completed
26.	IN-CCS HAU HISAR-117446-GO-RFQ / Equipment for precision farming (Drone for GPS based crop monitoring,Pneumatic Planter (6 row),Auto steer system for Tractor,LIDAR based Speed Device,PTO Torque Sensor)	Goods	RFQ	Completed
27.	IN-CCS HAU HISAR-90551-GO-RFQ / geel electrophoresis with power supply	Goods	RFQ	Completed
28.	IN-CCS HAU HISAR-117129-GO-RFP / Cooling centrifuge	Goods	RFQ	Completed
29.	IN-CCS HAU HISAR-90581-GO-RFQ / Puff gun machine	Goods	RFQ	Completed
30.	IN-CCS HAU HISAR-90662-CW-RFQ / Modernisation of lecture rooms (COHS) including smart class room accesories	Works	RFQ	Completed
31.	IN-CCS HAU HISAR-90647-CW-RFQ / Renovation/repair/refurbshiment/extension of laboratoty (COAE&T)	Works	RFQ	Completed
32.	IN-CCS HAU HISAR-117533-GO-RFQ / Computer and Peripherals (One Audio system for smart class , One LCD projector with screen , One Central server for IDP cell, Internet connectivity to IDP cell, smart class rooms, Advanced ICT teaching aid)	Goods	RFQ	Completed
33.	IN-CCS HAU HISAR-171106-GO-RFQ / Vacuum Dehydrator ( One in number)	Goods	RFQ	Completed
34.	IN-CCS HAU HISAR-171104-GO-RFQ / Cereal Flake production line ( One in number)	Goods	RFQ	Completed
35.	IN-CCS HAU HISAR-169096-GO-RFQ / Gel Electrophoresis System with Power Supply (One in number)	Goods	RFQ	Completed
36.	IN-CCS HAU HISAR-90653-CW-RFQ / Renovation/repair/refurbshiment/extension of laboratoty (COHS)	Works	RFQ	Completed
37.	IN-CCS HAU HISAR-171108-GO-RFQ / Cookie dropping Machine ( One in number)	Goods	RFQ	Completed

38.	IN-CCS HAU HISAR-90659-CW-RFQ / Modernisation of lecture rooms (COAE&T) including smart class room accessories	Works	RFQ	Completed
39.	IN-CCS HAU HISAR-90575-GO-RFQ / semolina making machine	Goods	RFQ	Completed
40.	IN-CCS HAU HISAR-169100-GO-RFQ / Water purifier system ( One in number)	Goods	RFQ	Completed
41.	IN-CCS HAU HISAR-117423-GO-RFQ / Vacum Fryer ( One in number)	Goods	RFQ	Completed
42.	IN-CCS HAU HISAR-169111-GO-RFQ / Growth Chamber ( One in number)	Goods	RFQ	Completed
43.	IN-CCS HAU HISAR-169122-GO-RFQ / Normalized Difference Vegetation Index ( One in number)	Goods	RFQ	Completed
44.	IN-CCS HAU HISAR-90570-GO-RFQ / Biscuit cutting machine	Goods	RFQ	Completed
45.	IN-CCS HAU HISAR-169119-GO-RFQ / Hybridization Oven ( One in number)	Goods	RFQ	Completed
46.	IN-CCS HAU HISAR-171109-GO-RFQ / Hunter Color Lab ( One in number)	Goods	RFQ	Completed
47.	IN-CCS HAU HISAR-169106-GO-RFQ / Fragment Analyser ( One in number)	Goods	RFQ	Pending Implementation
48.	IN-CCS HAU HISAR-176297-CW-RFQ / Renovation/repair/refurbshiment/extension of laboratoty two in number (One each in COA, Hisar and COBS&H)	Works	RFQ	Completed
49.	IN-CCS HAU HISAR-90691-GO-RFQ / software for students activity (online attendance, grade submission, plagerism etc.)			Cancelled
50.	IN-CCS HAU HISAR-169117-GO-RFQ / Infrared Thermometer ( One in Number)	Goods	RFQ	Completed
51.	IN-CCS HAU HISAR-178324-GO-RFQ / Modernisation of food processing lab One in number (All quartz double distillation unit, Biosafety Cabinet, Verticle deep freezer, Fume hood)	Works	RFQ	Completed

52.	IN-CCS HAU HISAR-176296-CW-RFQ / Modernization of lecture room five in number ( One lecture room each in COA Hisar, COA Kaul, COAE&T, COHS and COBS&H)	Works	RFQ	Completed
53.	IN-CCS HAU HISAR-173952-GO-DIR / Computer & Peripheral ( Anti Plagiarism tool, Computer Software)	Goods	RFQ	Completed
54.	IN-CCS HAU HISAR-173953-GO-DIR / Books & Journals (e-books for central library)	Goods	RFQ	Completed
55.	IN-CCS HAU HISAR-171110-GO-RFQ / Potter Tower ( One in Number)	Goods	RFQ	Completed
56.	IN-CCS HAU HISAR-169243-GO-RFQ / Smart class room equipment (Five in number) Interactive panels, podium, microphone, audio system, CCTV Camera with recorder, visualizer, bio metric attendance system	Goods	RFQ	Completed
57.	IN-CCS HAU HISAR-176434-GO-RFB / Automation, robotics and artificial intelligence lab equipment (Programming Boards with accessories, Product manufacturing Machines ,Robotics teaching kits,Equipments for measuring vegetation indices, Transducers and actuators, trainer kits.	Goods	RFB	Under Implementation

- Completed the renovation of lab No 57, Department of Nematology in COA, CCCSHAU, Hisar.
- Completed the renovation lecture room No 9, in COA.
- Completed the renovation of lecture room No. 3 in COHS.
- Completed the conversion of lecture room into smart class room at COA, Kaul.
- Completed the renovation of Lab no. 432 in dept. of biochemistry at COBS&H.
- Completed the conversion of lecture room into smart class room at COBS&H.
- Completed the renovation of lecture hall 5 at COAE&T.
- Relevant documents were uploaded on STEP.



**b. Trainings and workshops:**

• **For Students:**

S. No.	Details of training /workshops/ Interactive session/Guest Lectures	Student beneficiaries	No. of students benefited
1.	<b>An online seminar</b> was conducted by the department of Foods and Nutrition, COHS in collaboration with the Society “Food matters” on the topic <b>“Minerals: Their absorption and interaction with other nutrients”</b> by Dr. Sarita Verma on April 15 <sup>th</sup> 2021	Students and Faculty, CCSHAU, Hisar	40
2.	<b>An online webinar</b> was organized by the department of Foods and Nutrition in collaboration with the Society “Food matters” on the topic: <b>“Methods for estimating requirements and RDA of different nutrients for different age groups and physiological states”</b> on May 6 <sup>th</sup> 2021. The expert speaker was Dr. Suman, COHS, CCSHAU.	Students and Faculty, CCSHAU, Hisar	36
3.	To spread the awareness about the role of nutrition in disease management <b>an online webinar</b> was conducted by department of Foods and Nutrition, COHS in collaboration with the Society “Food Matters” on the topic: <b>“Diet Therapy in Renal and Hepatic issue”</b> by Dr. Neeta Kumari on 18 <sup>th</sup> may 2021. A total of thirty five participants benefited from the webinar and learned how the simple steps like improvement in diet will lead to prevention and cure of some sever diseases.	Students and Faculty, CCSHAU, Hisar	42
4.	<b>An online webinar</b> on the topic: <b>“Optical nano biosensor for aflatoxins detection”</b> was conducted by department of Foods and Nutrition, I.C. College of Home Science in collaboration with the Society “Food Matters” on 21 <sup>st</sup> May 2021. Dr. Nistha Khansili, a PhD scholar from National Institute of Food Technology Entrepreneurship and Management (NIFTEM), Panipat, was the expert of webinar.	Students and Faculty, CCSHAU, Hisar	46
5.	<b>An online essay competition</b> was organized	Students and Faculty, CCSHAU,	46

	marking the celebration of “ <b>World Food Safety Day</b> ” on 7 <sup>th</sup> June 2021. The beneficiaries were also from other states along with Haryana.	Hisar	
6.	<b>An online slogan writing competition</b> was organized marking the Celebration of “ <b>World Blood Donor Day</b> ” on June 14 <sup>th</sup> 2021. The participants were also from other states along with Haryana.	Students and Faculty, CCSHAU, Hisar	25
7.	One day online webinar entitled “ <b>Engineering interventions for reducing human drudgery in cotton crop</b> ” was organized by department of Farm Machinery & Power Engineering, College of Agricultural Engineering & Technology, CCSHAU, Hisar on 08 <sup>th</sup> July 2021. The aim was to make aware students, researchers and farmers about the various engineering interventions for reducing the human labor in cotton crop, which is a serious problem in cotton growing area of Haryana state.	Students and Faculty, CCSHAU, Hisar	100
8.	<b>An online webinar</b> was organized on the occasion of “ <b>World Hepatitis Day</b> ” on 28 <sup>th</sup> July, 2021. The key speakers of this webinar were Dr. Veenu Sangwan and Dr. Urvashi Nandal from CCSHAU. Dr. Veenu Sangwan described about Hepatitis: as a public health threat and Dr. Urvashi Nandal explained about the importance of dietary management in hepatitis	Students and Faculty, CCSHAU, Hisar	58
9.	<b>National Nutrition Month, 2021( 1<sup>st</sup> to 30<sup>th</sup> September) at village Balsamand &amp; Hindwan (Hisar district, Haryana)</b>	UG and PG students and faculty of CCS HAU, Hisar	279
10.	Slogan writing and poster making competitions were organized for adolescents girls in village Balsamand (15 <sup>th</sup> September, 2021)	Girl students of Village Balsamand & Faculty of CCS HAU, Hisar	39
11.	Lecture on “Balanced diet: a way to good health” was delivered by the expert on 15 <sup>th</sup> September, 2021 in village Balsamand for adolescents girls	Students of Village Balsamand & Faculty of CCS HAU, Hisar	41
12.	Slogan writing competition for adolescents girls and boys was organized in village Hindwan on 16 <sup>th</sup> September, 2021	Students of Village Hindwan & Faculty of CCS HAU, Hisar	38

13.	Lectures on “How to manage stress during COVID-19” delivered at village Hindwan on 16 <sup>th</sup> September, 2021	Students of Village Hindwan & Faculty of CCS HAU, Hisar	45
14.	Lecture (in hindi language) on “shighr nasht hone wale padharthoon ka sangrhikaran” was delivered to school students at village Hindwan on 16 <sup>th</sup> September, 2021	Students of Village Hindwan & Faculty of CCS HAU, Hisar	45
15.	Nutritious recipe competition for adolescent’s girls & ICDS Functionaries was organized in village Balsamand on 17 <sup>th</sup> September, 2021.	Girls students, ladies and Faculty of CCS HAU, Hisar	25
16.	Lecture (in hindi language) on “poshik tatwoon ki suraksha” was delivered to school students at village Hindwan on 17 <sup>th</sup> September, 2021	Students of Village Hindwan & Faculty of CCS HAU, Hisar	26
17.	Lecture (in hindi language) on “santulit aahaar tyar karte hue kuch aavayshak baatein” was delivered in village Hindwan on 17 <sup>th</sup> September, 2021	Students of Village Hindwan & Faculty of CCS HAU, Hisar	20
18.	Directorate of Students Welfare celebrated Haryanvi kala utsav under ‘Azadi ka Amrut Mahotsav’ on 20 <sup>th</sup> Sept. 2021 in order to preserve the cultural heritage of the state of Haryana.	Students and Faculty, CCSHAU, Hisar	50
19.	A team of five members from Acharya N.G. Ranga Agricultural University (ANGRAU), Hyderabad visited CCSHAU Hisar on 05-Oct-2021	Members from ANGRAU and IDP team of CCSHAU, Hisar	15
20.	Elocution, solo folk/patriotic dance, photography, anchoring and videography competitions were organized on the occasion of World Student’s Day at Directorate of Student Welfare, CCS HAU on 15 Oct 2021	Students and Faculty, CCSHAU, Hisar	76
21.	Slogan writing, poster making and videography competitions were organized on the occasion of World Food Day at Directorate of Student Welfare, CCS HAU on 16 Oct 2021	Students and Faculty, CCSHAU, Hisar	55
22.	One day awareness workshop was organized at Directorate of Students Welfare, CCS HAU on Development of soft skills for entrepreneurship among agri-graduates in collaboration of ICAR-National Academy of Agricultural Research Management (NAARM), Hyderabad on 2 <sup>nd</sup> Dec. 2021	Students and Faculty, CCSHAU, Hisar	106

### c. Overseas trainings

- 23 faculties identified for international training and **Three faculties** have successfully completed the International training at Texas A&M, USA, due to covid19 restrictions the remaining faculty could not undergone international training.
- Due to Covid-19, continuous lock down internship programme for students was postponed till the normalisation of situation worldwide. Selection of students is in progress for this year overseas training.

### d. Administrative work:

- Finance and related work:
  - All payments were done through PFMS system.
  - Audit for the year 2020-21 was completed from the CA team
  - Interest earned during 2020-21 was returned to ICAR
  - IUFRRs were submitted for all the four quarters and annual expenditure was also submitted
- Review meetings:
  - Review meetings conducted by PIU for PMTS, Procurement, EAP and ESP were attended by PI, Co-PIs and nodal officers.
  - The suggestions and instructions given during the review meetings were noted and implemented thereafter
- Student related:
  - Various numbers of online and offline national and International seminars, webinars and workshops, nutrition month and offline and online competition for essay, slogan and poster making were conducted during 2021-22 academic year.
  - Purchased E-books and Books for central library.
  - Two certificate courses have been started and one is under process.
- Environmental Sustainability Plan:
  - Rotavapour installed for disposal of hazardous liquid waste is being used for the safe disposal of lab generated hazardous liquid.
  - Fire extinguishers installed in laboratories and hostels
  - Bio hazardous waste bins installed in the Laboratories
  - World environment day and earth day was celebrated under ESP.
  - Plantation drive was carried out in university campus for the maintenance of green cover

All the compliances related to environmental safety were fully complied while implementing the construction / renovation activities carried out in the project.

- Equity Action Plan:
  - Sentry napkin wending machine has been procured and installed in colleges and girls hostels in Hisar, Kaul and Bawal campus
  - Incinerator machine for disposal of used sentry napkins have been installed for maintenance of hygiene in college and hostel premises
  - Web camera and speakers have been procured for effective online teaching
  - Facilities for physically disabled persons like toilets, ramps, lift were monitored and maintained in the campus

**e. Major innovations/achievements during the period**

- Procured different goods and equipments to improve the work efficiency of students and researchers.
- A number of offline/online national and International trainings, webinars, workshops, activities and competitions etc., were organized from April 2021 to March 2022.
- Virtual webinar on “Engineering interventions for reducing human drudgery in cotton crop” was to spread awareness among students, researchers and farmers about the various engineering interventions for reducing the human labor in cotton crop, which is a serious problem in cotton growing area of Haryana state.
- The essay competition, quiz, slogan writings, etc., were conducted on different themes such as food safety and security, blood donation, health and nutrition, balanced diet, etc.
- National nutrition month was celebrated during Sept. 2021 at Balasamand and Hindwan villages of Hisar district. Expert lectures, and various contest of slogan writing, poster making, recipe competitions were organized.
- Online Motivational lectures and career opportunity lectures were delivered to students of CCCSHAU Hisar, by eminent and successful alumni of CCSHAU.
- Elocution, solo folk/patriotic dance, photography, anchoring and videography competitions were organized on the occasion of World Student’s Day at Directorate of Student Welfare.
- Awareness workshop was organized at Directorate of Students Welfare, CCS HAU on Development of soft skills for entrepreneurship among agri-graduates in collaboration of ICAR-National Academy of Agricultural Research Management (NAARM), Hyderabad
- Nine lectures were organised by the adjunct overseas faculty through offline/online mode.
- Barcodes were prepared for the procured articles in IDP and pasted the barcodes stickers for the same.
- The newsletters published quarterly
- Completed the renovation and modernization of 5 lecture rooms and 2 labs in different colleges of University with latest ICT tools.

- Estimates for the smart class rooms and labs for different colleges have been submitted for the approval. The specification of the smart class room gadgets has been finalized and in process of purchasing of the same.
- All the trainings and workshops organized for students and faculty of CCSHAU were updated on NAHEP website periodically.

**ii. Progress made during period - Component 1a: Support to Institutional Development Plan (IDP) of AUs**

**a. Output-outcome monitoring**

S. N.	Particulars	Apr'21to March'22		Remarks (Action plan for areas where improvement is needed)
		Plan	Achievement	
1.	Number of new facilitative units established to enable academic and research infrastructure (IIC- Industry Institution Interaction Cell / Start up cell / incubation cell / experiential learning unit / placement cell etc.)	7	7	-
2.	Number of pilot courses added / upgraded on communication skills, entrepreneurial skills, information processing, creative and innovative thinking, leadership skills, industry-oriented courses etc.	3 Two certificate course in the Dept of Soil and Water Engg. and Processing and Food Engg. was planned in COAET college	2 Three month certificate course on : (i) Design Installati on, Operatio n and Mainten ance of Protecte d Structure	One is under process and will be carried out during 22-23

S. N.	Particulars	Apr'21to March'22		Remarks (Action plan for areas where improvement is needed)
		Plan	Achievement	
		and One Certificate course in the Deptt of. F&N was planned	s (ii) Value Addition And Post-Harvest Technology certificate course has been organised	
3.	Additional revenue generated through institutional activities with industries in INR lakhs	-	-	-
4.	Revenue generated through public usage of infrastructure for academic activities in INR lakhs	-	-	-
5.	Number of MoUs signed with industry for knowledge exchange programs/ internships / short term training programs etc.	-	5	-
6.	Improved AU revenue generation ( % change in Internal revenue of AU )	-	-	-
7.	Number of international trainings undertaken by faculties under IDP comp	23	3	Due to covid19 restrictions the remaining faculty could not undergone international training.

S. N.	Particulars	Apr'21 to March'22		Remarks (Action plan for areas where improvement is needed)
		Plan	Achievement	
8.	Number of national trainings undertaken by faculties under IDP comp	-	-	-
9.	Number of international trainings undertaken by students under IDP comp	20	-	<ul style="list-style-type: none"> <li>Selection of students is in progress for this year overseas training.</li> </ul>
10.	Number of national trainings undertaken by students under IDP comp	-	5	Virtual trainings organized for Students through Google met, Zoom platforms etc.,
11.	Number of direct beneficiaries of the project	5000	5318	
12.	Number of female beneficiaries out of total direct beneficiaries	2500	3095	

**b. Input and activity monitoring**

Input / Activity indicator	Sub- head / category	Apr'21 to March'22		Activity elaboration
		Expenditure / input in INR lakhs Planned	Utilization	
Goods and equipments	Equipment, Plant & Machinery	-	-	-
	Office equipment	0.47	0.0	
	Laboratory equipment	254.75	102.48	
	Furniture & fixtures	0.32	0.0	
	Computers and Peripherals	18.25	6.94	



Input / Activity indicator	Sub- head / category	Apr'21 to March'22		Activity elaboration
		Expenditure / input in INR lakhs		
		Planned	Utilization	
	Books and Journals	15.11	12.31	
<b>Civil works</b>	Minor repair and renovation works	27.96	0	
<b>Human capacity building</b>	National level training	0	0	
	International level training	216.73	29.09	
	Short visit/ seminars	25.0	0	
	Meetings and workshops	11.53	0	
<b>Consultancy</b>	National level consultancies	5.0	0	
<b>Recurrent cost / Miscellaneous</b>	Travel	10.12	0.72	
	Contractual services	62.91	60.59	
	Operational costs	697.81	6.15	
	Institutional charges	2.3	1.78	
<b>Total</b>		<b>1348.32</b>	<b>220.07</b>	

### 1. Case study/Success story:

#### a) Experience sharing:-

Three faculties deputed for three months overseas training at Texas A & M, USA. They have successfully completed the training and shared their advance knowledge with the faculty by delivering the seminar and submitted proposal in the area of renewable energy.

#### b) MoU signed and Publications

Sr. No.	Name of Organization	Date of signing
1	International Fertilizer Development Centre, USA	9.9.2021

**MoUs signed with National institutions:**

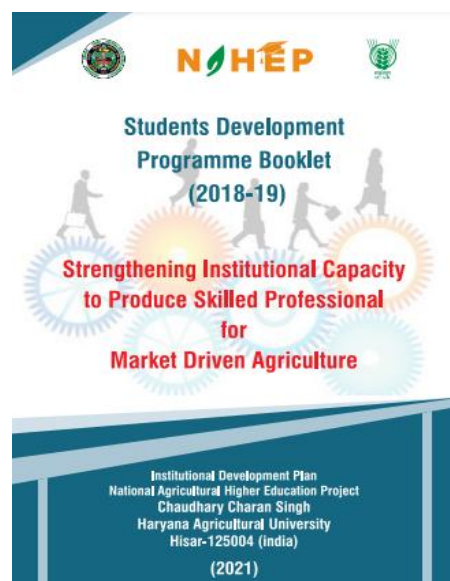
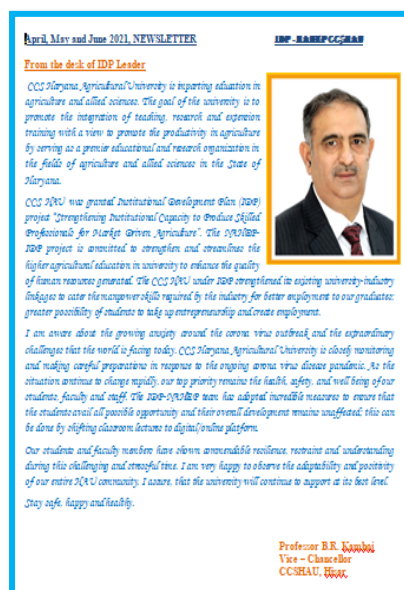
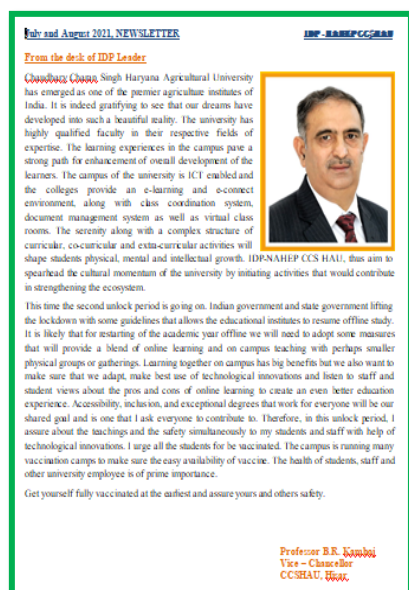
<b>Sr. No.</b>	<b>Name of Organization</b>	<b>Date of signing</b>
<b>1</b>	<b>ICAR-Indian Institute of Maize Research, Ludhiana, Punjab</b>	<b>09.02.2021</b>
<b>2</b>	<b>Sri Sri University, Cuttack, Odisha</b>	<b>07.08.2021</b>
<b>3</b>	<b>Renewal of IMD</b>	<b>22.9.2021</b>
<b>4</b>	<b>Shri Krishna Ayush University, Kurukshetra</b>	<b>27.12.2021</b>

**MoU signed with the industries**

<b>S. No.</b>	<b>Name of the Organization</b>	<b>Product/Process/ Technology</b>	<b>Date/Duration of MoU</b>
1.	Shri Sai Sadguru Seeds, Hyderabad	Bajra Hybrids HHB 67(I) & HHB 299	23.08.2021 (4 Years)
2.	Murlidhar Seeds Corporation, Kurnool	Bajra Hybrids HHB 299 & HHB 311	26.08.2021 (4 Years)
3.	Dev Agri-tech Pvt. Ltd., Gurugram	Bajra Hybrids HHB 299 & HHB 311	03.09.2021 (4 Years)
4.	AgroStar (Ulink Agritech Pvt Ltd), Pune	Raya Variety RH 725	02.09.2021 (3 Years)
5.	Dev Agri-tech Pvt. Ltd., Gurugram	Moong Variety MH 1142	03.09.2021 (3 Years)
6.	Dev Agri-tech Pvt. Ltd., Gurugram	Sorghum Variety CSV44F	03.09.2021 (3 Years)
7.	Coromandel International Limited, Secunderabad	Collaboration on Training, Research and Extension	22.02.2021 (3 Years)
8.	Dhanuka Agritech Limited, New Delhi	Collaboration on Training, Research and Extension	17.11.2021 (3 Years)
9.	Greenspace Agri Life Pvt. Ltd., Alwar	Raya Variety RH 725	28.01.2022 (3 Years)
10.	Mansoon Seeds Pvt. Ltd., Pune.	Onion Variety HOS3	28.04.2022 (3 Years)

## Publication:

- The university is publishing the monthly newsletter of CCSHAU-IDP showing the activities completed and the upcoming events in the university.



## c) Media coverage of project activities and achievements:







*Participants of virtual meetings, trainings, webinar and competitions*

**Village level activities (lectures, seminar and various competitions for school students (slogan writing, poster making etc.)**



*Glimpses of various activities at village level under NAHEP-IDP*

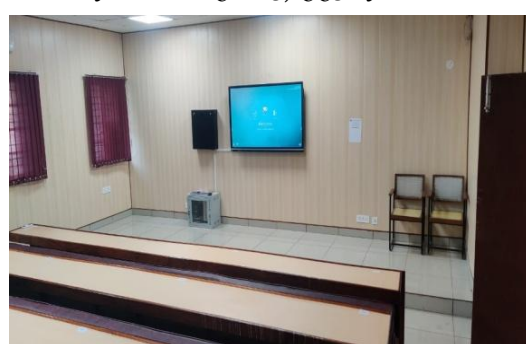


Glimpses of workshop organized at Directorate of Students Welfare, CCS HAU on Development of soft skills for entrepreneurship among agri-graduates on 2<sup>nd</sup> Dec 2021.





*Inauguration of smart classroom under NAHEP in COHS, CCSHAU*



*Smart class room renovated in department of Mathematic, COBS&H, CCSHAU*

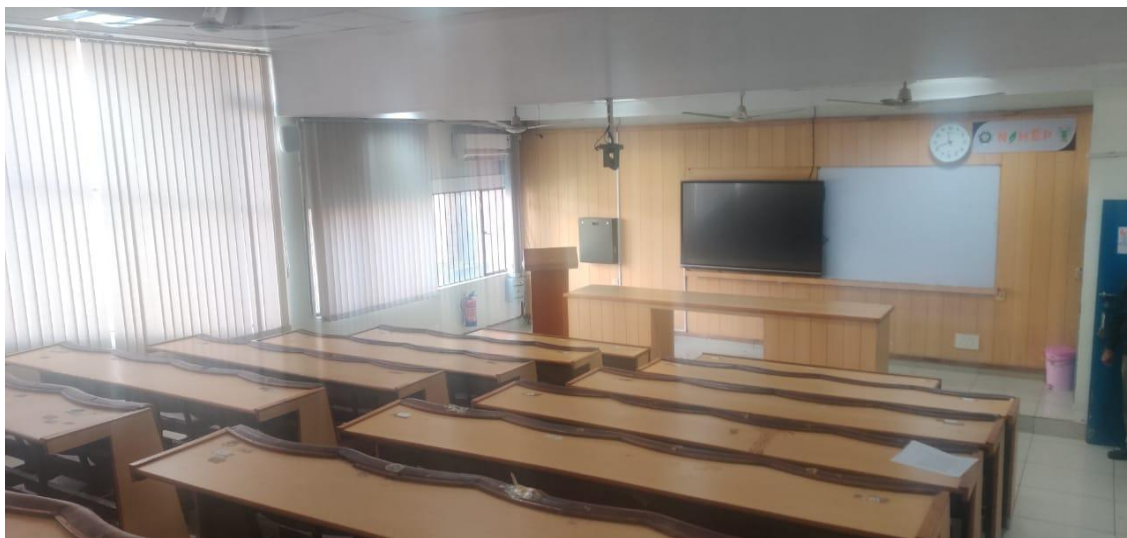
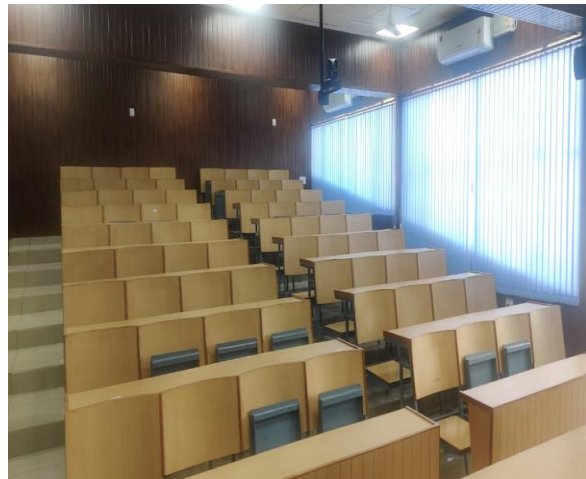
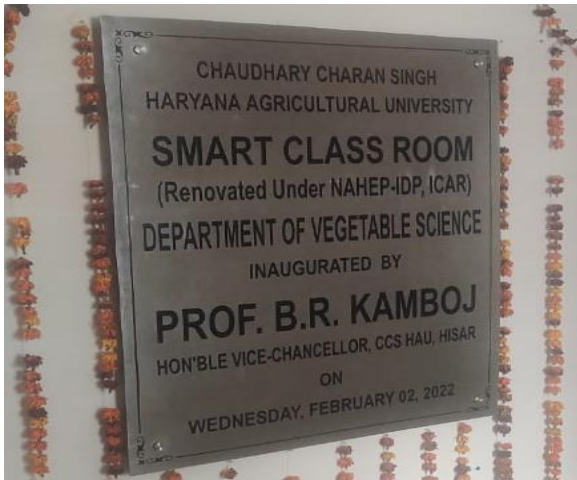


*Nematology Laboratory College of Agriculture, CCSHAU*



*Laboratory renovated at department of Biochemistry, COBS&H, CCSHAU*

**Renovated labs and lecture rooms at different colleges**



Renovated labs and lecture rooms at different colleges



### **Challenges faced and lessons learnt under Component 1 a:**

- Because of COVID19 crisis faculty and students international trainings could not be held.
- Conferences and workshops in offline mode could not be organized.
- Trainings for students were planned to be organized at MANAGE, Hyderabad and other national institutes could not be organized.
- Remedial classes could not be organised due to online mode of teaching

### **Plan ahead (Key activities) for next reporting period**

- **Students and faculty international training programme**
- **Students skill and entrepreneurial training**
- **Three certificate courses**
- **Skill enhancement and entrepreneurial training through agri incubation centre**
- **National and International conference (1 each), industry linkage conclave for better student placement avenues**

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