



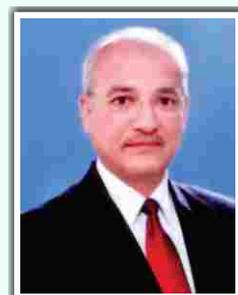
IDP-NAHEP Pantnagar Updates

G. B. Pant University of Agriculture & Technology
Pantnagar 263145, Uttarakhand

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Message of IDP Leader, GBPUAT, Pantnagar Sustaining the Reforms for Long-Term Impact

The NAHEP project of ICAR and World Bank is an exemplary case of empowerment and transformation in agricultural education scenario. The different agricultural universities and agricultural research institutes which are running different projects of NAHEP have indeed experienced developmental outcomes in terms of technological exposure, skill enhancement, infrastructural enhancement and administrative working. Overall, the impact of NAHEP project has been tremendous and has touched most stakeholders of agricultural education. Thus, at this point of time, I would urge all ICAR officials, NAHEP project leaders, vice-chancellors, and other administrative officials across all agricultural universities and agricultural research institutes to make plans and strategies to sustain the reforms introduced via NAHEP project and as far as possible institutionalize these reforms. The sustenance of reforms at all levels will go a long way in strengthening the outputs and outcomes of agricultural education and research at national level.




(Tej Partap)

Academic Management System installed in the University through NAHEP Component 2

University leaps into a new era

The NAHEP Component - 2 is taking various digital initiatives in order to enhance the governance and teaching-learning ecosystem of agricultural universities. One such initiative is the Academic Management System (AMS). The G.B. Pant University of Agriculture and Technology, Pantnagar has adopted and implemented this new system in a full-fledged manner. The AMS is a web-based comprehensive system with features of student management, fees management, faculty management, course management, class scheduling and e-learning. Looking into the strength of the students and the count of degree programmes running in Pantnagar University, it was a humongous task to implement the AMS in the University. With more than 4000 students enrolled in 14 undergraduate, 71 masters and 55 PhD degree programmes, the implementation task was executed by the collective efforts of the Registrar Office, Deans



of different colleges and the faculty members of the University. Through this new system, we hope that the overall scenario of education will strengthen not only in Pantnagar University but also in all agricultural universities of the country who have successfully implemented the AMS.



Webinar Held on Opportunities in Wildlife Research

Dr. Sanjeeta Sharma from USA guided the students

Wildlife has always been an area of interest for most of the people whether be it wildlife photography or research. The IDP-NAHEP, Pantnagar attempted to bring to the fore these issues through the webinar titled *Opportunities in Wildlife Research* organised on October 30, 2021. The expert of the session was Dr. Sanjeeta Sharma Pokhareal, Postdoctoral Researcher at Smithsonian's National Zoo and Conservation Biology Institute, USA. Dr. Pokhareal has immense field experience of working on Asiatic elephants.

Dr. S.K. Guru welcomed the expert and appreciated and admired the fact that Dr. Sanjeeta's

work emanates from field experience. He opined that the aim of organising such webinars is to make participants aware about the different avenues they can take up after graduation for further studies in various fields of wildlife research. Through this talk Dr. Sanjeeta highlighted the characteristics of Asiatic elephants, their types, nature, relationship between humans and animals. She emphasized on various areas of research in wildlife and encouraged students to take up multidisciplinary areas of research in higher studies. She urged to follow their passion with utmost dedication to gain success in life. Through creative story telling, she also clarified doubts and resolved multiple queries of the participants. At the end of the webinar, Dr. Aman Kamboj, Coordinator, Project Monitoring and Evaluation most articulately summarised the talk and appreciated expert's zeal of motivating the participants. A total of 42 students participated in the event.



Dr. Sanjeeta Sharma Pokhareal, Postdoctoral Fellow Smithsonian's National Zoo and Conservation Biology Institute, USA



Writing Studio Workshop Skilled Students on Science of Layout and Design

The seventh workshop of the IDP-NAHEP Writing Studio was organised in online mode from October 13-17, 2021 and was titled as *Learn to Design your Writeup: Concerns of Layout and Design*. The expert for the five-day workshop was Dr. Shweta Gupta, alumna of Pantnagar University, Fellow, IIM Indore, and Director, Arohana Management Solutions, Dehradun. Dr. S.K. Kashyap, Dean College of Agriculture and PI, IDP-NAHEP, Pantnagar welcomed the participants and introduced the session by making participants aware about the objectives of the workshop and importance of practically executing the learnings of the workshop. He emphasized on the importance of completing the assignments given at the end of the workshop. Dr. S.K. Guru, Nodal Officer (Academic), IDP-NAHEP, Pantnagar opined that the Writing Studio provides an opportunity to those students who want to excel themselves in numerous skills which are beneficial for their professional life.

During the five days workshop, the expert talked about the scientific concepts of colours and fonts. A detailed understanding of colour theory and applications of colour theory in printing process was generated among the participants. Dr. Gupta then discussed in length about typography including the anatomy of a font, classification of fonts, and application of fonts. The design principles were also talked about at length including cover design, page design and page spaces. Creative assignments and day-to-day evaluation made students to actively participate in the workshop and ensure effective learning. Through yet another insightful Writing Studio workshop, the participants got an opportunity to skill themselves in another area of writing.



Dr. Shweta Gupta, Fellow, IIM, Indore, Director, Arohana Management Solutions

Language Classes Switched Back to Offline Mode

On October 18, 2021, after almost a year and half after the COVID wreaked havoc on the world, Foreign Language classes under the Language Component of IDP-NAHEP, Pantnagar commenced offline. From March 2020, the classes went online due to the pandemic situation but students motivated to learn foreign language did not give up. French and German language classes were conducted virtually with the same enthusiasm but it lacked somewhere the essence of face-to-face communication and

interaction. Three batches of A1 (Beginners) and A2 (Intermediate) level were conducted in which 350 students were certified.

Attending the French class after a long duration, happiness could be seen on students' face. In their first class, students introduced themselves in French and a dialogue activity between two students was organized. Students participated with great energy showing their interest in language learning. Some of the experiences of the offline classes are given below.

1. Sparsh Jain, Id. No. 55910, College of Agriculture

I missed the little connections during the virtual classes such as coming to the class together with my friends in the evening, participating in role-play activities to enhance my language skills, or sometimes having chai-samosa after a seminar. To be frank, I am too excited for these offline classes and the all the fun learning experiences.

2. Ritika Pandey, Id. No. 56798, College of Agriculture

Even though I was very enthusiastic for foreign language learning, I always faced the network problem when classes were held online. It is not convenient for everyone to access a good network. It varies from day to day and place to place. Now that the language classes are back to classroom mode, I can focus well on improving my language knowledge.

Nurturing Students to Learn from Different Perspectives: Taking Cue of Photography Skills

The IDP-NAHEP, Pantnagar organizes various workshops throughout the year for University students to enhance their higher order cognitive skills. An offline photography workshop was organized under the aegis of IDP-NAHEP Pantnagar in which the participants were taught artistic photography techniques and were given insights on how learning can emerge from different perspectives. They were introduced to photographic threads like, how to make compositions and capture light effects for better results. The students were also taken to different locations on University premises and were guided to capture some interesting pictures. All the participants took part enthusiastically and most of the pictures were highly commendable. Those who needed to improve were given appropriate guidance. Students were able to express themselves through their pictures. In continuation of the same, on October 29, 2021, a photography contest was organized in University Centre-NAHEP Building, where the pictures captured by the students were displayed. A total of 22 entries were shortlisted for the final exhibition. Voting



Ballot proposition was also added to the contest where students were called to participate in the voting process. Dr. Ragini Mishra, Assistant Professor, College of Home Science, Ms. Sneha Kashyap, Architect and Product Designer, Director of Arohana Management Solutions, and Mr. Anurag Kumar, Photographer IDP-NAHEP were the judges for the competition. The competition helped students to enhance their creative skills, think beyond the box and develop self-confidence. The top three pictures were awarded Mr. Sai Kumar Banoth from College of Agriculture, Ms. Aakriti Adhikari from College of Fisheries and Mr. Devanshu Kumar from College of Agriculture obtained first, second and third position respectively.

IDP Pantnagar Provides Rare Opportunity to Second Year B.Sc. Agriculture Students

Will manage Hydroponic and Aeroponic Agri-Business Units for two semesters

The Innovation and Incubation Centre of IDP-NAHEP, Pantnagar established two agri-business units in the University Campus. These agri-business units are hi-tech precision farming units operating on the technologies of hydroponics and aeroponics along with high intensity plant propagation units. These units are specifically designed for second year undergraduate students of B.Sc. Agriculture and the proposed objective of these units is to introduce students to the latest technologies in agriculture and provide them hands-on learning experience, right from their initial stages of education.

Hydroponics and Aeroponics is the practice of growing plants in a nutrient-rich solution, skipping the soil whereas plant propagation is the process by which new plants grow from seeds, cuttings, and other plant parts. Students will be working in these agri-business units for 12 months on different varieties of crops and the revenue generated from these crops will be distributed among all the students. This hi-tech agriculture practice drive is being coordinated by Dr. V.P. Singh, Professor, Department of Horticulture, and

Dr. J.P. Purwar, Associate Professor, Department of Entomology with technical assistance from professionals of Indo-Dutch Horticulture Technologies Pvt. Ltd. and all planning and implementation support by the IDP-NAHEP team. Extensive data collection and impact assessment of this intervention will also be carried out.

The IDP-NAHEP, Pantnagar also organized an orientation cum training programme on October 27-28, 2021 with Mr. Siddhant Chaddha, Production Specialist, Indo-Dutch Horticulture Technologies. All 160 students enrolled in B.Sc. Agriculture second year were a part of this programme. The students displayed extreme enthusiasm as for the first time such a practical learning opportunity will be provided to second year students. The idea of establishment of these agri-business units was conceptualized by Dr. S.K. Kashyap, PI, IDP-NAHEP, Pantnagar. We are hopeful that indeed this novel initiative will enhance the competency of agriculture graduates and will result in increase in the count of agri-entrepreneurs coming from Pantnagar University.



4 Days Campus to Corporate Programme Organized by Coromandel International Limited and IDP Pantnagar

A four-days training cum interaction program called Campus to Corporate Programme was organized by IDP-NAHEP Pantnagar in collaboration with Coromandel International Limited from October 18-21, 2021. The four days programme focused on giving a comprehensive exposure to students about agriculture companies in general and Coromandel International Limited in particular. The programme consisted of lectures from eminent experts of Coromandel Group. Dr. A.K. Shukla, (Registrar, GBPUAT, Pantnagar), Dr. S.K. Kashyap, (Dean, College of Agriculture and PI, IDP-NAHEP, Pantnagar), Dr. A.S. Nain (Coordinator, Agri-Informatics Component, IDP-NAHEP, Pantnagar) and Dr. S.K. Guru (Nodal Officer (Academic), a IDP-NAHEP, Pantnagar) were also present during the various sessions of the four days programme.

The four days programme initiated with the keynote addresses of Mr. N.K. Rajavelu (EVP & Business Head) and Dr. Rajul Edoliya (VP, Business Development and Regulatory Affairs). Their talk gave an introduction about the work culture of Coromandel International Limited to the participants. The words of these two top management executives raised the curiosity of the students and they raised several queries which resulted in an insightful discussion. On day two of the programme, Mr. Roshan Mammen (Senior AVP, Innovation and Strategy and Head Exports, America) gave detailed information on the organizational structure and career opportunities in crop protection chemicals industry. Further Mr. K. Narsimha Rao

(Senior AVP and Head Exports, Bio and B2B) gave insights into the opportunities that are available for agri-graduates in organic and bio pesticides industry.

After two days of intensive, informative learning experience, the students were quite excited for the third day to begin. Mr. Shyam Sundar (Chief Marketing Officer, Retail Business) discussed about the new emerging areas in retail business. Talking about the organizational structure of Coromandel Group, Mr. Sundar highlighted various career opportunities available for agri-graduates in Coromandel Retail division. Thereafter, Mr. K. Murali Krishna (GM, eLearning and Training) and Mr. Tushar Joshi (AVP and Head, HR) interacted with the students. They detailed about the leadership and soft skills required by students to prepare for joining the corporate sector. Ms. Ashima Sehgal (Deputy Manager, HR) then took a session in which she emphasized the points which must be considered while preparing the resume and then explained the FAQs in interview.

The concluding day of the four days programme consisted of an open house interactive session where the students interacted with all the mentors from Coromandel Group and raised several interesting and thought-provoking queries. The students were also invited for their feedback which was indeed positive and motivating for the Coromandel Group. Mr. Anurag Bhatnagar (AGM, Regulatory Affairs) coordinated the entire programme from Coromandel Group's side. A total of 120 students participated in Campus to Corporate Programme.



Dr. P.K. Joshi, Former Director, IFPRI Delivers the World Food Day Lecture

A Guest Lecture was organized by IDP-NAHEP, Pantnagar in collaboration with Department of Food Science and Technology, Pantnagar on the occasion of World Food Day, i.e. October 16, 2021. The special lecture was delivered by Dr. P.K. Joshi, Former Director, International Food Policy Research Institute (IFPRI), New Delhi of IFPRI on the topic *Transformation of Agri-Food System in India*. Dr. Joshi made the occasion of World Food Day special for Pantnagar community with his gracious presence in Pantnagar campus. The guest lecture even had the presence of Dr. A.K. Shukla (Registrar, GBPUAT, Pantnagar), Dr. S.K. Kashyap (Dean, College of Agriculture and PI, IDP-NAHEP, Pantnagar), Dr. S.K. Guru (Nodal Officer (Academic), IDP-NAHEP, Pantnagar), Dr. M.A. Ansari (Chairman, College Academic Committee, College of Agriculture, Pantnagar), and Dr. S.K. Sharma (Head of Department, Food Science and Technology). Initiating the session, Dr. Shukla, stated the importance of food production and the factors affecting food security and storage highlighting the roles of agriculture graduates and agricultural universities.

Starting from his memories of Green Revolution unfolding in Pantnagar University, Dr. Joshi stated how agro food system is changing, who are the drivers of this transformation, how we have to accelerate these changes by keeping environmental sustainability in mind. He explained all the pillars of agro food system, how this system is important for our economic growth



and different factors that are transforming food system. Further including how government has to loosen its grip on agro food system, Dr. Joshi gave an insight into the future challenges, scope and changes in our food policies.

On this momentous occasion, Dr. Kashyap, also shared his views and discussed about how many institutions within or outside the university are linking together to make platform for innovations and researches in the food sector. Adding to his words, Dr. Guru, briefed about the mandates of IDP-NAHEP and shared the activities/seminars/workshops that are being organized from time-to-time for enhancing the learning of undergraduate students as per the requirement of global markets. The guest lecture was attended by 110 undergraduate students.

IDP ANGRAU Team Visits Pantnagar to Learn from the Success Case of IDP Pantnagar

A team of faculty members of IDP-NAHEP, ANGRAU (Acharya N.G. Ranga Agricultural University) Guntur, Andhra Pradesh headed by Dr. A. Pratap Kumar Reddy, Dean, College of Agriculture and Principal Investigator, IDP-ANGRAU visited Pantnagar on October 07, 2021. The IDP ANGRAU team included Dr. S. Joseph Reddy (Associate Dean, Dr. NTR College of Agricultural Engineering, Bapatla), Dr. N.C. Venkateswarlu (Associate Director of Research, RARS Nandyal), Dr. V. Sreenivasa Rao (Professor and University Head, Dept. of Statistics and Computer Applications, Agriculture College, Bapatla), Dr. V. Sailaja (Principal Scientist, SSAC, Lam, Guntur), and Dr. K. Uma Devi (Assistant Professor, ANGRAU). The

team arrived at University Centre - NAHEP Building and visited the units and laboratories established under IDP-NAHEP Pantnagar including the Virtual Lab, the Innovation and Incubation Centre, the Language Lab, the e-Content Development Studio and the Digital Classrooms. The visit was followed by an interaction between the members of IDP ANGRAU team and IDP Pantnagar team in which Dr. S.K. Kashyap, Dean, College of Agriculture and PI, IDP-NAHEP, Pantnagar gave an overview of the tremendous efforts being made by IDP Pantnagar to develop an ecosystem of excellence in teaching-learning as well as develop an overall innovation-based ecosystem in the University campus.



The Main Events of November 2021

S. No.	Event	Proposed Date	Venue	Nodal Unit	Convener
1.	Webinar on Emerging Technologies in Post-Harvest Management of Horticultural Crops	02-11-2021	Online	Academic Team	Dr. S.K. Guru, College of Basic Sciences and Humanities
2.	Webinar on Nanotechnology: A Recent Advancement in Agriculture and its Scope	15-11-2021	Online	Academic Team	Dr. S.K. Guru, College of Basic Sciences and Humanities
3.	3 Months French Language A1 Level Beginner's Course	15-11-2021 Onwards	Online	Language Lab Team	Dr. Alka Goel, College of Home Science
4.	3 Months German Language A1 Level Beginner's Course	15-11-2021 Onwards	Online	Language Lab Team	Dr. Alka Goel, College of Home Science
5.	Two Days Workshop on Design Thinking	18-11-2021 to 19-11-2021	Online	Academic Team	Dr. S.K. Guru, College of Basic Sciences and Humanities
6.	International Webinar on Potential Role of Internet of Things and Large Data Analytics in Agriculture	19-11-2021	Online	Academic Team	Dr. S.K. Guru, College of Basic Sciences and Humanities
7.	5 Days Workshop on Adding Rigour in Research Paper Writing	23-11-2021 to 27-11-2021	Online	Academic Team	Dr. S.K. Guru, College of Basic Sciences and Humanities
8.	Hands-On Workshop on Art and Design	24-11-2021	Online	Academic Team	Dr. S.K. Guru, College of Basic Sciences and Humanities
9.	International Webinar on Implications of Climate Change on Agri-Food System	26-11-2021	Online	Academic Team	Dr. S.K. Guru, College of Basic Sciences and Humanities



Launching a Unique Model of Year Long Skill Development Programme

Dr. S.K. Kashyap
Dean, College of Agriculture/PI, IDP-NAHEP, Pantnagar

The IDP-NAHEP, Pantnagar is committed for skill development of UG students of the University in a structured and scientific manner. Among the various novel initiatives of IDP Pantnagar team, another one in the series is an year long skill development programme for second year students of B.Sc. Agriculture. This unique programme will provide an opportunity to the students to work in hi-tech hydroponics and aeroponics polyhouses. The entire operations of the polyhouse will be handled by students, thus providing them a rigorous hands-on experience in precision farming. Also, the students will be learning the business part of managing the polyhouse by engaging in packaging, promotion and sale of the produce and will even get an opportunity to earn profits for themselves. Under this programme, students will be holistically trained in technical aspects, soft skills and entrepreneurial skills. This is thus a unique long-term endeavour to induce some real experiences and urge in the students to pursue entrepreneurship as a potential career.

