



# IDP-NAHEP Pantnagar Updates

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

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## Message of IDP Leader, GBPUAT, Pantnagar

### Marching Ahead for Agricultural Faculty Excellence

It is a matter of great pleasure that NAARM-ICAR has selected G.B. Pant University of Agriculture and Technology, Pantnagar to lead the Faculty Development Centre of the country. The importance of faculty excellence and faculty capacity building was mandated across the globe for decades. The Land Grant Pattern universities like University of Illinois, USA and others initiated dedicated centres for teaching and learning excellence where teachers were formally trained in teaching pedagogy and advancements in educational technology. Pantnagar is also known for brilliant teachers who have demonstrated their knowledge and wisdom through excellence, effort, and sincerity which led to emergence of illustrious students. This Faculty Development Centre will provide yet another opportunity to build multifaceted capacity of the teachers especially in soft skills and academic leadership which is the dire requirement of the time.



(Tej Partap)

## Pantnagar Acknowledged for Performance and Potential

### Received FDC and Virtual Classroom under NAHEP Component 2

The land of Pantnagar is a trademark of determination, excellence and responsibility. In last 60 years of existence, G.B. Pant University of Agriculture and Technology has stood the test of time and contributed for national welfare. Recently, in the 92<sup>nd</sup> ICAR Foundation Day held on July 16, 2020, the University was awarded Sardar Patel Outstanding ICAR Institution Award. Also, the dedication and strategic working of IDP-NAHEP Team at Pantnagar has been instrumental in bringing several landmark developments in the University. Moreover, in the current pandemic situation, the complete onus of initiating and implementing online systems of teaching-learning was on the IDP-NAHEP and it emerged as a effective operation as for the first time in the history of University, online examinations were conducted successfully for all undergraduate, masters and doctoral programme students. Looking into the



capacity and contribution of IDP-NAHEP, Pantnagar and the overall potential of the University, the two facilities under NAHEP Component 2 namely Faculty Development Centre and Establishment of Virtual Classroom have been granted to Pantnagar University. The Faculty Development Centre at Pantnagar has been initiated under the guidance of ICAR-National

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## Online Examinations Successfully Conducted in the University

### IDP Team Played a Pivotal Role

In the present context of COVID-19 global pandemic, the educational institutes around the globe are witnessing and coping with new systems of imparting education. The new system has ushered digitalization in the widest possible sense and this unprecedented, unplanned digitalization has led to unprepared adoption as well. However, institutes are making best possible efforts to train both the teachers and the students in order to continue with the educational activities. Pantnagar University has also been making

the month of August-September, 2020 the final examinations of the semester were also conducted successfully. The examinations were held not only for final year graduating students but for all the students of the University enrolled in different undergraduation, masters and PhD programmes. Mr. Nikhilesh Kumar and Ms. Pratima Tewari both working as Programmers in the IDP-NAHEP project of Pantnagar led the entire technical arrangement of online examinations. The examinations were conducted over



concerted efforts right from the month of March 2020 when the initial closure of academic institutes and the initial lockdowns were announced. The responsibility of spearheading this digital drive was borne by IDP-NAHEP, Pantnagar team. Right from generating a system of online training to online classes to online examinations, the IDP team worked from the scratch and worked tirelessly to generate a system to continue the semester online without much hassle and delay. In

a time span of 40 days (August 1 - September 9, 2020) and for all 40 days, the IDP team supported the faculty members and students in all possible ways including creating online questions papers, uploading and downloading of answer scripts and other troubleshooting wherever needed. Thus, this digital experience has brought forth an additional capability to the University which will help in treading a long path of increased educational reach.

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Academy of Agricultural Research Management, Hyderabad and is meant for enhancement of quality and relevance of agricultural education through faculty excellence fortified with institutional excellence and academic leadership. A dedicated space has been allotted for the FDC in the University Centre - NAHEP Building. While, the Establishment of Virtual Classroom is being coordinated by ICAR-Indian Agricultural Statistics Research Institute, New Delhi in order to strengthen ICT interventions in teaching-learning in agricultural universities. The virtual classroom will work using a centralized software in Krishi Megh (cloud server of ICAR) and will promote the usage of blended learning. Overall, these two initiatives at Pantnagar will provide a chance to



contribute comprehensively not only for nurturing and betterment of University faculty members but also for teaching/research professionals in other agricultural universities of the country.

## Agriculture Secretary Applauds IDP-NAHEP Developmental Activities

A meeting was recently held on August 29, 2020 at the University Centre-NAHEP Building in which the newly appointed Secretary (Agriculture) of Government of Uttarakhand Dr. H.S. Chugh was invited. He is also the alumnus of Pantnagar University. The meeting was attended by honourable Vice-Chancellor Dr. Tej Partap, Registrar, Deans, Directors, and Head of the Departments of the University alongwith complete team of IDP-NAHEP, Pantnagar. Initially, Dr. H.S. Chugh, Secretary (Agriculture), Government of Uttarakhand, was formally welcomed by Dr. Tej Partap, followed by an overview address given by Dr. S.K. Kashyap, PI, IDP-NAHEP and Dean, College of Agriculture about the University and the



NAHEP project developments. Praising the efforts of all the University officials who continually strive for the success of the University, he then discussed about the NAHEP project which has been taking several initiatives for transforming the infrastructural outlook and generating innovation based ecosystem in the University. The IDP component under NAHEP is diligently harnessing the cognitive, interpretive, psychomotor, language and critical thinking skills of the students so as to create an environment of excellence in academic as well as entrepreneurship fields. His emphasis on concept of virtual classrooms with the provision of augmented reality (AR) and virtual reality (VR) has been one of the latest innovations which has been developed.

Further, Dr. Tej Partap expressed the telescopic view of excellence and improvement in academic and administrative field. He strongly supported the University's research base, technological advancements, and academic improvements and highlighted the problems such as vacant positions, challenges in research in recent times and training ineffectiveness. He suggested that the multi-disciplinary efforts are needed to be streamlined diligently by both the state government and the

University to take this institute to its maximum heights. Dr. J. Kumar, Registrar also took the opportunity to appreciate the efforts of the faculty members and the students in making the online examinations a path breaking example across the country. He even wholeheartedly applauded the IDP-NAHEP, Pantnagar team for their extensive support in generating the digital infrastructure, training the faculty members, and providing complete technical and other backend support as and when required.

Expressing delight on the performance of the University amidst critical situations, Dr. H.S. Chugh reflected that today once again he is proud of his alma mater. The developments, initiatives and activities of



IDP-NAHEP are exemplary and should be replicated in other universities of the state, said Dr. Chugh. He thereafter pondered over the issues raised by the research and extension departments seriously and had his positive opinion regarding solving the issues. He emphasized on the words of the Vice-Chancellor in establishing a cooperative team for the University. He also focused on the efforts and outputs from researches conducted in order to establish better adaptability. Strengthening of educational sector and complementary functioning of University and line departments are the need of the hour. The identification of state needs by the University in further development can be way more effective. The gaps in extension are seriously needed to be addressed. After a detailed review and remarks on University activities, Dr. H.S. Chugh concludingly said that he is all hopeful that in days to come University will continue doing path-breaking works and will more comprehensively address the concerns of agriculture stakeholders. After the discussion meeting, the tour of NAHEP building treasured the dignitaries with a view of innovative labs, faculty development centre, several units of IDP-NAHEP, cafeteria, lawn and the statue of Pt. Gobind Ballabh Pant.



## Feedback of Interns of Internship Pathshala-2



**Aditi Gangola, III<sup>rd</sup> Year, College of Home Science**

As an intern for the IDP-NAHEP Pathshala, I got a great opportunity to learn team work. This internship programme enhanced my knowledge and technical writing skills. It played a crucial role in my overall development and improvement in my way of working.

**Avishka Sengar, I<sup>st</sup> Year, College of Technology**

Being a part of the NAHEP Internship Pathshala, I feel fortunate to get a chance to work as an intern. This has helped me to take my thought process to the next level at this early stage of my life. Completing the daily targets along with my studies helped me brush up my time management skills.



**Bhumit Sah, III<sup>rd</sup> Year, College of Agriculture**

NAHEP Internship Pathshala-2 has given me this golden opportunity to explore, finesse and challenge myself. It is a process of continuous learning, research and gaining skills. Every day is a new challenge, but by keeping a headstrong objective and clear vision we achieve our goals ultimately.

**Aakash, I<sup>st</sup> Year, College of Technology**

It is a kind of learning by doing internship in which I get to learn new things every day. While working on this project I have improved both my soft skills and hard skills. I get a new task to complete and after completion, it gives me a sense of accomplishment and drives me to perform better the next day.



**Janvi Kochar, III<sup>rd</sup> Year, College of Home Science**

It is a process of gaining skills, knowledge and generation of new perspective. It is a Pathshala where we are mentored by many experienced people, who assign us the daily tasks to be fulfilled by the end of the day. Assignment based learning is really helpful in imbibing as well as in achieving the daily goals.

**Jayamani Yadav, III<sup>rd</sup> Year, College of Home Science**

Being a part of NAHEP internship has been an exuberating experience through which I have got an extremely fitting opportunity to contribute to an exciting, real world project which has exposed me to an amazing array of opportunities for learning and skill development.



**Mohd. Faiz Ali Siddiqui, III<sup>rd</sup> Year, College of Agriculture**

The internship has helped me to develop confidence, enhance soft skills, and develop a sense of responsibility. Valuable suggestions from the mentors also helped me enhance my knowledge as well as skills. I learned to manage things and how systematic approach can make difficult task seem so easy.

**Munish Singh Danu, III<sup>rd</sup> Year, College of Technology**

Interning at NAHEP has imparted me with research skills and qualities, providing me with greater knowledge and understanding of areas explicitly relating to AR and VR in academics. I have become well-acquainted with fellow interns which motivates me to seek opportunities for continuous learning.



**Nitesh Bhardwaj, III<sup>rd</sup> Year, College of Agriculture**

Internship Pathshala-II has been the best learning experience I have had in a very long time. This Pathshala has put my observational and analytical skills to use and I have learnt so much new stuff I was totally unaware of. Internship has helped me to interact with people.

**Shreya Priyadarshi, III<sup>rd</sup> Year, College of Agriculture**

Amidst the corona pandemic which had brought life to a monotonous juncture, NAHEP Internship Pathshala-2 emerged as a ray full of new experiences and learning towards something highly productive. The entire experience is inexpressibly supercalifragilisticexpialidocious.



**Shruti Kashyap, III<sup>rd</sup> Year, College of Agriculture**

The Internship is providing me an opportunity to interact with the friends, the mentors and other stakeholders who are trying to give me a perspective of life. I am working on one topic but beyond it for me this topic is providing me opportunity to get into lots of examples and cases across the world.

**Shruti Mishra, III<sup>rd</sup> Year, College of Agriculture**

NAHEP Internship Pathshala-II has given me the platform to learn, gain experience and to contribute something towards my university. I was exposed to new things and realized the importance of working together as a team, sharing responsibilities, and gain valuable work experience.



**Shubham Singh, II<sup>nd</sup> Year, College of Technology**

With sequential learning interweaved along with concatenated analysis and foreseeable near future implementations, NAHEP Internship Pathshala-2 has so far offered a decent range of opportunities for me to learn, gain, know and explore in the field of Entrepreneurship, Agriculture and Incubation Centres.

**Siddhi Pant, I<sup>st</sup> Year, College of Technology**

It is a great rewarding internship that is enhancing every intern personally and professionally. It is giving me an opportunity to acquire practical knowledge. I am blessed to get such a great opportunity and I look forward to give my best in upcoming weeks.



**Yanshi, IV<sup>th</sup> Year, College of Veterinary and Animal Sciences**

It is a wonderful and great learning experience for me to work in the NAHEP Pathshala. It is a completely new and different platform to work on. This internship opportunity in between the pandemic has taught us to be optimistic in difficult situations and nothing is unachievable if one has confidence in oneself.

## Guest Lecture on Technological Advancements in Coastal Aquafarming Held

### Veteran Expert from ICAR-CIBA Invited

Entrepreneurship in fisheries sector is an emerging avenue with increasing preference of people for healthy food and other valuable products from the water bodies. Seeking this, Dr. V.S. Chandrasekaran, who served the prestigious ICAR institute, the Central Institute of Brackishwater Aquaculture, Chennai was called for an online guest lecture by IDP-NAHEP, Pantnagar team on August 10, 2020. Dr. Vipul Gupta, Project Scientist, Academic Team, IDP-NAHEP who coordinated the event stated that the talk intended to enlighten the individuals associated with fisheries discipline to get aware of technological advancements taking place in the country and world, in the field of aquaculture and to identify the entrepreneurial opportunity. Dr. Chandrasekaran initiated with the scenario, status as well as historical background of aquaculture in India and abroad. He highlighted upon changing trends of fish production, its scope and opportunities that have made the sector more lucrative and employable with time. The expert added that with more and more exploration of the water diversity the potential candidates have increased from shell fish and bony fishes to molluscs, seaweeds, crustaceans, echinoderms, etc. He also briefed upon the extensive, modified and semi-modified

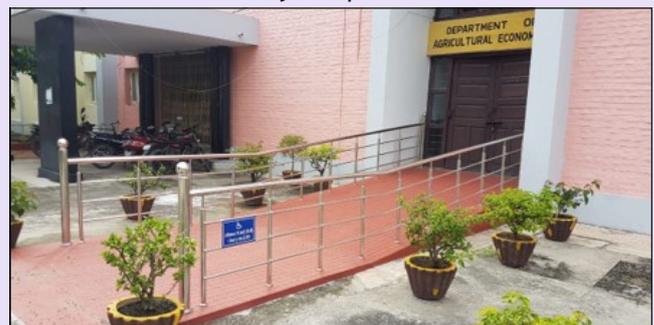


aquaculture systems that are employed on exploring the innovative techniques in shrimp culture, bio-floc technology, indoor vertical farming, cage farming, maricultural technologies such as integrated multi-trophic aquaculture technology, mussel farming, lobster culture, sea urchin and sea cucumber culture and seaweed cultivation. Dr. Chandrasekaran also elaborated upon the process of pearl culture that is being followed for commercial pearl production. He elaborated on many of the successful cases of transfer of proven technologies generated by ICAR-CIBA with the SHGs for empowering the women and the aquafarming community in getting self-sustained livelihood. The session was attended by more than 60 participants who generated entrepreneurial insights from the guest lecture.

## EAP Activities in Pantnagar: A Step Towards Inclusiveness

Inclusiveness is one of the fundamental principles of existence. However, over the years this principle has been least practiced and thus discrimination in thoughts and actions has crept into human minds. The IDP-NAHEP, Pantnagar through its various activities and events made an honest effort to reemphasize upon the principle of inclusiveness not merely through words but through firm actions which would help in generating inclusiveness via infrastructural

developments. Among the various initiatives, the one major initiative has been construction of ramps across all seven colleges of the University, Administrative Building, Central Computing Facility (CCF), University Library, and University Centre - NAHEP Building. This infrastructural development in the University has been the first such kind of development and will provide actual support to individuals with special needs and will make the University campus more inclusive.





### 3 MoU Signed by IDP-NAHEP, Pantnagar Amidst COVID-19

- An MoU has been signed between College of Agricultural, Consumer and Environmental Sciences (ACES) University of Illinois at Urbana-Champaign, USA and G.B. Pant University of Agriculture and Technology, Pantnagar to establish a cooperative relationship through mutual assistance in the areas of education and research, offering opportunities for activities and



programmes, such as teaching, research, exchange of faculty members and students to foster a collaborative relationship.

- To foster the industry connect, IDP-NAHEP, Pantnagar signed an MoU with Bajaj Auto, SIDCUL,

Pantnagar. This MoU aims at strengthening and supporting the IDP initiatives with regard to skill development of students through internships, exposure visits, and live industry projects.



Furthermore, this MoU will also serve the purpose of mutual capacity building of both the signing parties.

- The alumni networking is an essential component of IDP-NAHEP, Pantnagar. Taking this task further, the



Chairman of Agriculture Alumni Association of Pantnagar (AAP), Mr. N.K. Arora facilitated the signing of MoU between IDP-NAHEP, Pantnagar and Crystal Crop Protection Pvt. Ltd. The Crystal Group commits to support the agriculture and research based projects to be executed under IDP-NAHEP. Moreover, the organization also showed readiness to provide consultation in generating futuristic research proposals and placements of University students.

### Plantation Drive Organized Under ESS Action Plan

The Environment Sustainability Plan (ESP) of IDP-NAHEP is a critical component of the project. Several initiatives are being undertaken in this component such as installation of solar panel on the roof top of University Centre - NAHEP Building, establishment of green lawns at University Centre - NAHEP Building, construction of green washrooms in market areas and other field areas of the University, and water harvesting structures and composting unit at Gandhi Bhawan hostel. In continuation with the

efforts, IDP-NAHEP, Pantnagar team joined hands with the Corporate Social Responsibility (CSR) wing of Mahindra Group on August 8, 2020 for the plantation campaign and planted 100 trees in the University Centre - NAHEP Building. Under the mission of Mahindra Group to plant 50,000 trees in Udham Singh Nagar district, 500 trees would be planted in Pantnagar University. The first 100 trees of this plantation drive were thus planted in the University Centre - NAHEP Building.



## Pantnagar Participated in AMS Launched by ICAR under NAHEP-2

The National Agriculture Higher Education Project (NAHEP) is providing an opportunity to agricultural universities to upscale the university infrastructure and upskill the faculty members and students. The different variants of the project are enabling the digital leap for agricultural universities. Recently, Pantnagar University was granted the Faculty Development Centre and Establishment of Virtual Classroom project under ICAR-NAARM, Hyderabad and ICAR-IASRI, New Delhi respectively. Along with the abovementioned two projects, the University has also been granted with Academic Management System (AMS) by ICAR under NAHEP Component 2. A common workshop for five agricultural universities which have been identified for



implementation of AMS was organized by ICAR-IASRI, New Delhi for an initial introduction on AMS benefits, modules, master data requirements, operational architectures, data management, online reporting, functionalities, and practical demonstration. The IDP-NAHEP, Pantnagar team and several other faculty members of Pantnagar University attended this online joint sensitisation AMS implementation workshop on August 4, 2020 and thus understood the working and functionalities of AMS to facilitate its smooth implementation in the University.

### The Main Events of September 2020

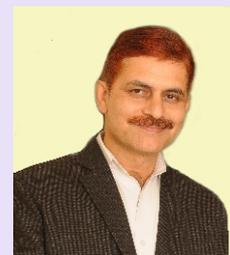
S. No.	Event	Proposed Date	Venue	Nodal Unit	Convener
1.	Two Months NAHEP Online Internship for UG Students	10-07-2020 to 10-09-2020 25-07-2020 to 25-09-2020 11-09-2020 to 11-11-2020	Online	Academic Team	Dr. S.K. Guru, College of Basic Sciences and Humanities
2.	Celebration of Pant Jayanti	10-09-2020	University Centre - NAHEP, Building	IDP-NAHEP Team	Dr. S.K. Kashyap PI, IDP-NAHEP, Pantnagar
3.	Online Certificate Courses of College of Agriculture on Mass Production of Important Biocontrol Agents, Sericulture, Nursery Management and Production, Bee Keeping, and Protected Cultivation of Horticultural Crops	Fourth Week of September, 2020	Online	Academic Team	Dr. S.K. Guru, College of Basic Sciences and Humanities
4.	Online Guest Lectures and Skill Development Workshop	Third and Fourth Week of September, 2020	Online	Academic Team	Dr. S.K. Guru, College of Basic Sciences and Humanities
5.	Online English Remedial Classes	Fourth Week of September, 2020	Online	Academic Team	Dr. S.K. Guru, College of Basic Sciences and Humanities



## Thanks to NAARM-ICAR for Providing FDC

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

**P**antnagar University initiated Educational Technology Cell in the Department of Agricultural Communication of College of Agriculture decades back to focus on capacity building of faculty members. Since then the Educational Technology Cell has undertaken ample initiatives from induction programmes of newly recruited teachers and capacity building training on different aspects of teaching pedagogy for not only Pantnagar faculty members but also for faculty members from all across the country. Now when this responsibility of Faculty Development Centre has been bestowed upon us, therefore from the insights and experiences of running the Educational Technology Cell will come handy to design and develop need based capacity building programmes looking into the advancement in educational and instructional technology. It is more about providing hands on skills to the faculty members to move up with the regularly changing scenario of teaching-learning especially in context of online teaching. We are sincerely working to generate the structure, curricula, and timeline of FDC so that a robust programme could be delivered to the faculty members of all agricultural universities of the country.



## Top Scorers of IDP Golden Points Till August 2020



**Sarthak Kothiyal**  
ID : 51662  
College of Agriculture  
Points Earned : 755



**Rekha Bhandari**  
ID : 52961  
College of Agriculture  
Points Earned : 530



**Yogesh Pandey**  
ID : 50192  
College of Basic Sciences and Humanities  
Points Earned : 755



**Shubham Singh**  
ID : 53734  
College of Technology  
Points Earned : 505



**Yanshi**  
ID : 49758  
College of Veterinary and Animal Sciences  
Points Earned : 705



**Aakash**  
ID : 53561  
College of Technology  
Points Earned : 475



**Varsha Kamboj**  
ID : 53217  
College of Home Science  
Points Earned : 680



**Pallavi Bisht**  
ID : 52958  
College of Agriculture  
Points Earned : 455



**Sumit Tiwari**  
ID : 52963  
College of Agriculture  
Points Earned : 555



**Samyak**  
ID : 53589  
College of Technology  
Points Earned : 455