



IDP-NAHEP Pantnagar Updates

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

No. 2 November 2019

Message of IDP Leader, GBPUAT, Pantnagar

Global Visibility Emerges with Quest of Quality at All Junctures

G B Pant University of Agriculture & Technology, Pantnagar has a strong infrastructure and a well-established system with which the University is efficiently serving Uttarakhand state in particular and the country in general. The University is known for the calibre and contribution of its faculty members however, the similar excellence is needed all across the cadres, may they be the Assistant Professors, the Associate Professors, the Professors, the Junior Research Officers, the Senior Research Officers, the Subject Matter Specialists or other officers. Few excellent and dedicated performers cannot drag the University to top unless the performance and contribution of each entity is above minimum threshold level of h-index, publication, citation, research project,



patent, national awards, fellowship of national science academies and other similar qualifications. This is the high time that each faculty member remandate their contribution, visibility and place among their fellow experts at national level to keep relevant as a renowned scientist of Pantnagar University. The requirement of the time is to compete with our own standards at each juncture, may it be the quality of teaching or thrust of research or field extension activities. The IDP-NAHEP project is aimed to build that quest of quality across the University through multiple endeavours. Let us target to build an innovation-based ecosystem with performance and partnership.

(Tej Partap)

The IDP Innovation and Incubation Centre

Building an Innovation Based Ecosystem

he Innovation and Incubation Centre under IDP-NAHEP is being reared by a multidisciplinary team of scientists from across the colleges. Dr. Ajay Upadhyay, Professor & Head in College of Veterinary and Animal Sciences and a fellow of HRD ministry's LEAP programme is leading the component as Coordinator. The component plans to support the students' innovations and provide them proper mentoring so that the ideas may develop into viable business propositions. Each selected idea will have an opportunity to be reared in the Incubation Centre under multi-dimensional nurturing environment.

The component is developing proper alignment with innovators, industry partners, venture capitalists, scientists and other incubators to support the students in adequate manner. The component plans to organise a sensitization workshop on November 7, 2019 and again an Innovators' meet on November 30, 2019. Meanwhile, the selected ideas and innovations will be raised under the patronage of a mentoring team comprising component scientists and experts. Total 20-25 teams will get a chance to be placed in the Incubation Centre in the first phase.



IDP-NAHEP formally inaugurated at Pantnagar on the auspicious occasion of Dhanteras in the presence of National Director NAHEP Dr. R.C. Agrawal, VC Dr. Tej Partap and National Coordinator IDP Dr. P. Ramasundaram

IDP Amphitheatre also inaugurated

DP Amphitheatre, an open-air theatre of 500 capacity was dedicated to the University by National Director NAHEP Dr. R.C. Agrawal in presence of VC Dr. Tej Partap and National Coordinator IDP Dr. P. Ramasundaram at Pantnagar on 25th October, 2019. This is the first theatre of its kind in Pantnagar campus and is located in the NAHEP-IDP campus of the University. On this occasion, two eminent dignitaries, three illustrious faculty of the university and Community Radio Pantnagar Janvani team were honoured for their invaluable contribution. The event marked the formal inauguration of IDP at Pantnagar University in the presence of National Director NAHEP and National Coordinator IDP.

The evening, on the pious day of Dhanteras, started with puja ceremony followed by unveiling of stone by National Director-NAHEP Dr. R. C. Agrawal. Thereafter, ribbon cutting ceremony for the inauguration of amphitheatre was done.



While addressing the gathering of faculty members, National Director Dr. R. C. Agrawal praised the structure, activity and planning done by the IDP team at Pantnagar to complete the targets. He especially commended the vision and plan of VC Dr. Tej Partap, aligning with IDP to take the project to great heights. It is to mention that a huge building has been dedicated to the IDP at Pantnagar where all the project activities are being managed in order to operate from a central point including all the labs,

virtual classroom, foreign language lab, innovation cum incubation centre and project monitoring and evaluation (PME) cell. Dr. S. K. Kashyap, PI of IDP Pantnagar welcomed the gathering and emphasized upon the targets to be fulfilled under IDP in the stipulated time duration. He elaborated the structure and organisation of IDP team at Pantnagar which comprises of about 100 faculty members under different components. He stressed upon the synergy and complementarity among the project scientists coming from all the disciplines of the University and declared it as the biggest strength of IDP Pantnagar. Dr. P. Ramasundaram, the National Coordinator of IDP, stressed upon the objectives and the operational challenges which the team should take care to lead the project to grand success. Dr. S. K. Guru, Nodal Officer Academic of the project, highlighted the achievements of the university and its journey from its early days till now, when it is a beacon to others. He discussed about the



achievements of university students who have set landmarks by qualifying national level competitions like GATE, ICAR-JRF and SRF. He also discussed about the role of NAHEP and its component IDP in updating knowledge, enhancing proficiency and strengthening skill set of faculty and students.

On this auspicious occasion, illustrious achievements were acknowledged on IDP platform through a Honour Ceremony. Following eminent personalities were honoured:



Dr. S. P. S. Beniwal, Former Regional Coordinator for Central Asia and Caucasus and Head, CGIAR Facilitation Unit, ICARDA in Tashkent, Uzbekistan; worked also at GBPUA&T and ICRISAT in India, and ICARDA programs in Ethiopia, Morocco, and Turkey. Presently, Dr. Beniwal is serving as Chairperson of Asian Agrihistory Foundation at Pantnagar.



 Dr. Gajendra Singh, Former Vice Chancellor & DDG (Engineering), ICAR, adjunct faculty member, Indian Agricultural Research Institute (IARI) who is a Pantnagar alumunus.



 Dr. Santosh Kumar, Professor, Department of Horticulture, GBPUAT, Officer Incharge, Garden Section who has made immense contribution in institution building through his consistent efforts and unique skills of design and landscaping.



 Dr. J. P. Jaiswal, Professor, Department of Genetics and Plant Breeding, Scientific Officer (Plant Breeding), U.P. Council of Agricultural Research (UPCAR), Lucknow (Uttar Pradesh) who recently received the Padma Shri Prof M V Rao Memorial Award for Distinguished Scientist.



Dr. R. K. Srivastava, Professor, Department of Environmental Sciences, GBPUAT, worked also as a Principal Investigator of two foreign funded & collaborated project with EPSRC/RC-UK and Indo UK Science Bridge projects and recently received recognition by IHE Delft Institute for Water Education, Netherlands for his work on Phytoremediation Technique.



 Team Community Radio Service, Pantnagar Janvani, for achieving National Community Radio Award 2018 and 2019.





The evening concluded with a cultural programme on the IDP Amphitheatre stage in which university students participated with high spirits showcasing the best of their talents. Dr. K. P. Raverkar, Nodal Officer PME of the project thanked

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students, faculty and dignitaries for the wonderful organisation and completion of the entire event and with the hope of achieving the target set under IDP-NAHEP in the best possible manner.



Pantnagar IDP team interacts with National Director NAHEP, Dr. R. C. Agrawal and National Coordinator IDP, Dr. P. Ramasundaram

Student beneficiaries also expressed their feelings on IDP-NAHEP initiatives

he National Director NAHEP Dr. R.C. Agrawal and National Coordinator IDP Dr. P. Ramasundaram interacted with the IDP faculty team of Pantnagar and discussed about the execution plan of the project in detail on 25th October, 2019. It is to note that the IDP workplan of Pantnagar has been divided in multiple component as academic, e-content, language lab, agri-informatics, innovation and incubation, industry collaboration, project monitoring and evaluation, procurement, alumni interaction and infrastructural development. All the components consist of multidisciplinary faculty team from all the colleges of the University. The entire IDP team comprises more than one hundred faculty members.



Speaking on the occasion, National Director Dr. R.C. Agrawal detailed the genesis and importance of NAHEP as an important initiative to strengthen agricultural education among SAUs and ICAR institutes of the country. He talked in detail about the factors which will lead the project activities to targeted success. He expressed his concern about the inhibition of financial sections at several universities in implementing the procurement and other financial regulations of NAHEP which is detrimental to the success of the project. He categorically emphasized that the PI in this project have been given full power in all respects to study its impact on pilot basis. He expressed his pleasure and satisfaction on the structure and plan of





implementation at Pantnagar and said that he is convinced that the Pantnagar project will lead to its targets efficiently. National Coordinator Dr P. Ramasundaram gave mantras of success and also cautioned about certain pitfalls which generally lead the project team towards dead ends.

Interaction with the beneficiary students

The interaction session between students and National Director NAHEP, Dr. R. C. Agrawal and National Coordinator IDP, Dr. P. Ramasundaram was also held on 25th October, 2019. Undergraduate students from College of Agriculture, College of Home Science, College of Veterinary and Animal Sciences, College of Technology, College of Basic Sciences and Humanities, and College of Fisheries participated in the session. Principal Investigator (PI) Dr. S. K. Kashyap, Nodal Officer (Academic) Dr. S. K. Guru and Co-Principal Investigator Dr. Ajeet Singh Nain were present, besides the Coordinators of different components. Dr. S.K. Kashyap, Pl and Dr. S.K. Guru, Nodal Officer (Academic) detailed the IDP achievements till date and the future plans and programmes of the project scheduled for November 2019.

On this occasion, many students presented feedback of the events organized by NAHEP-IDP hitherto.

- The 21 hours workshop on critical thinking skills provided us mantras which can be implemented in our daily life, and would thus have beneficial impact on our careers in long run.
 - Shruti Kashyap, College of Agriculture

- I learnt how to focus on my goals and develop effective plans for their timely and efficient completion.
 - Katyayani Singh, College of Home Science
- The guest lecture by Dr. Sandeep Gulia was extremely informative and his concept of opportunity and roadmap was equally interesting.
 - Shaurya Dumka, College of Veterinary and Animal Sciences
- Learning a new language is a skill that appears like an added achievement on CV and even provides a new means of expression. I am excited about the language classes that shall be soon starting under the IDP project.

- Sonal Joshi, College of Technology National Director Dr. R. C. Agrawal congratulated students for their successful completion of activities organized by NAHEP-IDP. He expressed satisfaction on the positive feedback of the students and talked in detail about other possible opportunities under IDP-NAHEP. He also emphasized on the importance of awareness and updates in agricultural arena across the globe which students should align with in order to succeed. He further shared some anecdotes to encourage students to think creatively. Dr. P. Ramasundaram added the avenues in the possible prospects provided to students by NAHEP-IDP and urged the students to carry forward the appeal of IDP-NAHEP to other University students for greater reach and impact.





Awareness Workshop for Foreign Language Classes Organized Under IDP-NAHEP Pantnagar

DP-NAHEP at Pantnagar has aimed to equip the University students in French, German and English language. A Language Lab Team has been created for the said purpose with Dr. Alka Goel, Professor & Head, College of Community Science as the University Coordinator and other college professors as representatives, to look after the Language Lab component of IDP-NAHEP in an integrated manner.

An Awareness Workshop for Foreign Language Classes was organized on October 10, 2019 in the IDP-NAHEP Building. Language experts from



Jawaharlal Nehru University, New Delhi and Amity University, Noida guided the University students in the workshop. Dean Student Welfare, GBPUAT, Pantnagar, Dr. Salil Tiwari was the Chief Guest of the workshop. He said that this initiative of training students in foreign languages and English is directly aligned with enhancing employability of students, hence it will have an overall positive impact on the professional career of the students. PI, IDP-NAHEP, Pantnagar Dr. S.K. Kashyap detailed about the activities under IDP and convinced the students to take utmost advantage of the upcoming opportunities to enhance their skill set. He



highlighted the advantage of knowing a foreign language as an additional asset for better career opportunities across the world.

Further, Dr. Naresh Thapliyal from Amity University discussed about the prospects of French language while Ms. Ankita Harbola from Jawaharlal Nehru University mentioned about the merits of expertise in German language. Mr. M.S. Adhikari, a language expert from Frehindi Education Pvt. Ltd. was also present on the occasion. All three language experts acquainted well with the gathering of around 200 students from across the University. Dr. Prabha Pant, Assistant Professor, Dept. of Social

Sciences, College of Basic Sciences and Humanities, Pantnagar further enthused the students regarding the advantages of learning various languages including English, for a brighter future with respect to both higher education and corporate career in foreign countries. The workshop witnessed the presence of the entire team of the Language



Lab component who supported in successful execution of the workshop.

Coordinator of Language Lab component of IDP-NAHEP, Pantnagar Dr. Alka Goel further detailed the plan of upcoming Language Classes. The first batch of language classes shall be initiating from November 1st, 2019 in which French language will be taught. The classes for remaining two languages i.e. German and English are scheduled to start from mid-November. Additionally, the English language shall have both basic and advanced version, in order to better equip the University students for higher studies in foreign institutes.



Guest Lecture on Study Options at Royal Veterinary College (RVC), London Held in IDP-NAHEP Building, Pantnagar

DP-NAHEP, Pantnagar is making regular efforts to make students aware of the opportunities for higher education in international institutes of repute. In this series, a lecture on *Study Options at Royal Veterinary College (RVC)*, *London, UK* was organized for students of College of Veterinary and Animal Sciences on October 23, 2019. Dr. Sandeep Gulia, alumnus of Royal Veterinary College (RVC), London delivered the guest lecture. He is currently working as a Veterinary Surgeon with Government of Haryana and is also an alumnus of GBPUAT, Pantnagar. The event was initiated by Dr. S.K. Guru, Nodal Officer (Academic) by a welcome address, followed by the lecture of Dr. Sandeep Gulia.

The lecture of Dr. Sandeep Gulia was highly informative and inspiring for the students. He initially elaborated on the study opportunities and academic life at RVC, London. Then, he made a roadmap for the students to select, equip and land in any foreign institute of repute for higher

education and emphasized on the timely efforts to be made by the students to translate a dream into reality. He made it clear that it is a strategic intervention to get overseas for studies and generating financial support rather than a matter of sheer luck. He even mentioned about diversified overseas career options and various scholarship programmes. The lecture was followed by a question and answer session, which was again highly interactive. The students hurled various queries to get clarity on overseas study options as well as about the process of admission in various postgraduate programmes. The student feedback was extremely positive about the event, and suggested that more such informative and interactive events should be organized on a regular basis. The event was concluded by a vote of thanks given by Dr. Aman Kamboj, Assistant Professor, College of Veterinary and Animal Sciences and Member, Academic Team, IDP-NAHEP Pantnagar.





One Day Workshop on Introduction to e-Content Development Organized by IDP-NAHEP Pantnagar Team

DP-NAHEP at Pantnagar has taken a mandate of developing e-content in text and video form for selected 50 fundamental UG courses in the first phase. The e-lectures to be developed under this activity are intended to be innovative, interactive and user-friendly in nature, such that the learner interest is retained for a longer duration. An initial sensitization workshop was organized for content

writers (who are professors of different colleges) of different courses along with the college coordinators and advisors of the e-content development team of IDP-NAHEP Pantnagar. The workshop was organized on October 12, 2019 in Conference Hall of College of Agriculture and was attended by a total of 69 faculty members, and 12 SRFs /PDF/ Ph.D. students.



The workshop was inaugurated by Dr. A. P. Sharma, Registrar, GBPUA & T, Pantnagar, in presence of the expert for the workshop, Dr. B. Jirli, Professor & Head, Agriculture Extension, BHU, Varanasi, Dr. S.K. Kashyap, PI, IDP-NAHEP; Dr. Ajeet Singh Nain, Co-PI IDP-NAHEP; and Dr. Anita Rani, Coordinator, e-Content Development, IDP-NAHEP. The workshop focused on the concepts of elearning, e-readiness, e-content development, four quadrant approach of e-content development, module planning, plagiarism, copyright, and certain precautionary measures. Further, innovative

approaches to e-content development were also

brainstormed so that interest and uniformity may be



achieved in the format. The participant faculty members generated an insight through intensive discussions and interactions with the expert, and even raised all their apprehensions regarding different practical aspects of e-content development.

The feedback of participant faculty members was gathered to understand the level of learning and the impact of the workshop. Nevertheless, they expressed their satisfaction about the content discussed in the workshop, and the pathway planned for generating the e-content. Detailed follow-up and implementation plan has also been developed.





Plans of International Exposure Under IDP-NAHEP Pantnagar

Dr. S. K. Guru Nodal Officer (Academic)

he teaching-learning strengthening under IDP-NAHEP is focused towards awareness, exposure, strengthening and upbringing. The international exposure under IDP-NAHEP is divided into three components:

- 1. Foreign internship of 3 months
- 2. Sandwich/twinning programme of one semester
- 3. Dual degree programme of two years

Foreign Internship of 3 Months

The foreign internship will be taken in foreign institutes of repute to provide utmost exposure and experience to undergraduate students in their discipline. The students will take a project in that time period and will work on that project under the guidance of scientists of that institute to learn the technological advancements in that area. The Universities and organisations where the students will be sent are being searched and contacted to finalize the internship plan. The trips will commence in the summers of year 2020.

Sandwich/Twinning Programme of 6 Months

This programme is to enroll students in a foreign University for one semester in which the students will shift to that University with credit transfer. The foreign University will teach the students for the semester and will provide the needed exposure in that subject/technologies. The students will complete rest of the degree programme at Pantnagar. The transferred credit and the foreign exposure will be mentioned in the transcript of the students.

Dual Degree Programme of 2 Years

This programme is focused towards providing a masters' degree to undergraduate students from any foreign university through direct shifting of the student to that foreign institute after UG programme from Pantnagar. The foreign institute will accept the Pantnagar student directly under a MOU and will enroll the student in a masters'

programme according to the rules and norms. Thus, the UG student will get a degree from Pantnagar and other degree from a foreign university within a total time span of six years.

Investment of students under these programmes

The visa, travel and all other investments including fee, stay etc. will be borne by the IDP-NAHEP project.

How many students will get the chance?

Total 52 students will get chance in internship programme whereas 20 students will get a chance under twinning/ sandwich programme. Total 10 students will get a chance under dual degree programme. The count of students may vary according to the per head expenses on the visits.

What will be the selection criteria?

The selection criteria is set by the Project Implementation Team of New Delhi and is uniform for the whole country. The declared criteria is as follows:

- Bonafide UG students of ICAR-accredited courses of the University may apply.
- The 3rd year students may apply for internship programme of 3 months and Sandwich programme of 6 months whereas the final year UG students may apply for Dual Degree programme.
- The selection criteria and the weightage of each criteria will be as follows:
 - academic performance (50%);
 - evaluation of cognition levels of learning in subject matter/specialization (20%);
 - character, conduct, personality and team spirit (10%);
 - sports activities (only those which the candidate represented the AU officially) and extra-and co-curricular activities recognized and rewarded by the AU (10%); and
 - personal interview (10%)



- Minimum GPA to apply for the programmes is 7.5 out of 10.
- There will be a written exam to check the basic knowledge and awareness of their discipline.
- There will be a language proficiency test to check their language command in spoken and written English.
- The selected students will be interviewed by a high-level committee constituted by the Vice-Chancellor to check the personality traits, learning aptitude and temperament.

How to apply?

Interested students fulfilling the above norms may apply in the prescribed proforma (yet to be released) which would be submitted to the Nodal Officer (Academic), IDP-NAHEP, G. B. Pant University of Agriculture & Technology, Pantnagar.

Foreign visit plan for faculty members under IDP-NAHEP, G. B. Pant University of Agriculture & Technology, Pantnagar

The foreign exposure visit plan for faculty members of the University will be of 2-3 months duration. The faculty members will be sent to a Centre of Excellence in their area of expertise. The institute could be any University, any reputed research institute or a world-renowned industry where adequate learning opportunity is available.

Investment of faculty under these programmes

The visa, travel and all other investments including fee, stay etc. will be borne by the IDP-NAHEP project.

How many faculty members will get the chance?

Total 45 faculty members will get chance in first phase. The count of faculty may vary according to the per head expenses on the visits.

When will the visit commence?

The visit will commence between April 2020 to August 2021 according to the confirmation from the respective foreign institute.

What will be the selection criteria?

The selection criteria is set by the Project

Implementation Team of New Delhi and is uniform for the whole country. The declared criteria is as follows:

- The faculty should be below 58 years of age.
- Sixty percent of the slots will be reserved for faculty less than 40 years age for whom, the training will be compulsorily of three months duration.
- 25% of the slots under IDP will be for faculty above 40 and below 50 years of age and the training programme shall not be more than three months duration.
- 15% of the slots under IDP will be for faculty above 50 and below 58 years of age and the training period shall not be more than two weeks duration in leadership/skill development /management.
- The faculty identified for training up to 50 years of age category should have at least two publications in the area identified for training in reputed peer reviewed journals (not less than a NAAS rating of 7.0) and not less than 10 citations.
- Faculty members of ICAR-accredited courses of the University may apply.
- The faculty members have to submit a project, detailing the urgency of their foreign visit and the learning agenda in light of their contributions made in the discipline till yet. The project will detail the nature of work they want to accomplish in a foreign environment/lab and the future plan to support the University teaching/research after returning to their own institute.
- It will be expected from the faculty member to propose name of aligning University/Centre for their foreign assignment and the details of the concerned foreign expert with whom the faculty member intends to work during the visit.
- Host institute should be internationally recognized academic/research institute for right type of expertise and excellence in the field of agriculture and should be willing to accept and extend necessary support to candidate for the proposed research work. A certificate of this intention from the host university will be required.



- The faculty members will be interviewed by a high-level committee constituted by the Vice-Chancellor for final selection.
- The trainee will devote whole time on the chosen area of training during the tenure and will not seek gainful employment elsewhere. He/she shall not accept any financial assistance from any other source.
- Every faculty trainee shall be required to execute a service bond duly accepted on nonjudicial stamp paper as per the AU rules.

How to apply?

Interested faculty members fulfilling the above norms may apply in the prescribed proforma (available on University website) which would be submitted to the Nodal Officer (Academic), IDP-NAHEP, G. B. Pant University of Agriculture & Technology, Pantnagar.

The Main Events of November 2019

S. No.	Event	Proposed Date	Venue	Nodal Unit	Convener
1.	Language Classes	1-11-2019 Onwards	IDP Office, Uni. Centre 2 nd Floor	Language Lab Team	Dr. Alka Goel, College of HS
2.	Sensitization Workshop on Innovation and Incubation	7-11-2019	IDP Office, University Centre 2 nd Floor	Innovation Cum Incubation Cell	Dr. A.K. Upadhyay, College of Veterinary and Animal Sciences
3.	Soft Skill Training on Communication Skills Visiting Expert: Dr. Girijesh Singh Mahra, Scientist ICAR-IARI, New Delhi Mr. Ankush Chawla, IIM Ahmedabad	8-11-2019 to 10-11-2019	IDP Office, University Centre 2 nd floor	Academic Team	Dr. S.K. Guru, College of Basic Sciences & Humanities
4.	Informal Moments with Guitarists of Pantnagar	16-11-2019	Amphitheatre IDP NAHEP	Project Team	_
5.	Innovative Idea Contest for IDP Building	Upto 15-11-2019	-	Innovation Cum Incubation Cell	Dr. A.K. Upadhyay, College of Veterinary and Animal Sciences
6.	Innovator's Meet	30-11-2019	IDP Office, Univ. Centre 2 nd Floor	Innovation Cum Incubation Cell	Dr. A.K. Upadhyay College of Veterinary and Animal Sciences
7.	Submission of Application for Overseas Student Exchange, International Faculty Exchange, International Faculty Training at nahep.idp.pantnagar@gmail.com	Upto 30-11-2019	_	Academic Team	Dr. S.K. Guru, College of Basic Sciences and Humanities





Flagship Programmes of IDP-NAHEP Pantnagar

- Overseas visits for three months and more for international exposure. Notices will come shortly to apply for the programme.
- Virtual reality and augmented reality lab for enhanced learning.
- Innovation cum incubation centre to create innovation-based ecosystem of learning.
- Skill and entrepreneurship development courses on regular basis.
- Frequent lectures of world-renowned stalwarts in different disciplines.

How many IDP Golden points have you earned till date? Many students have crossed 100 points. Keep earning, keep learning.

Participate in any IDP activity and earn IDP golden points worth redeeming for fabulous gifts, mind-blowing sessions, miraculous trips, mouth-streaming dinners..... earn your learning with IDP.

For each registration in any NAHEP event 2 points
For each shortlisting 5 points
Participation and completion of 1 day event 25 points
Participation and completion of 2-3 days event 50 points
Participation and completion of more than 3 days event 75 points
Participation and completion of Package courses (1 month or above) 100 points