



IDP-NAHEP Pantnagar Updates

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

No. 21
June 2021

Message of IDP Leader, GBPUAT, Pantnagar

Congratulations IDP Team for Completing Procurement Successfully

The IDP-NAHEP, Pantnagar team has achieved tremendous outcomes for Pantnagar University since the inception of the project. Despite the odd conditions of the pandemic, the project team continuously struggled to fulfil all the project targets, and now it is the juncture that they have completed all their procurements in a timely manner. It was a herculean task to complete the procurements on time, as the entire procurement process was a stringent one with extensive procurement guidelines of World Bank, tough deadlines, rigorous documentation for World Bank STEP portal, submission of regular financial reports, and updation of data on NAHEP monitoring portals. However, now when the procurement process is completed, the IDP Pantnagar team has immense experience and learnings for themselves and the other University fraternity. It is indeed a matter of immense pleasure and I would put forth my appreciation for the entire team of IDP Pantnagar for their rigour, work spirit, and commitment to uphold the name of the University in a positive light among all IDPs running in the country in different agricultural universities. I am affirmative that the project targets in other components also would be fulfilled with same level of conviction and in time bound manner.



(Tej Partap)

Advanced Course on Mobile App Development: Sensitizing Students for Farmer Welfare

The Agri-Informatics component of IDP-NAHEP, Pantnagar, organized a two weeks online advanced course on *Mobile Application Development for Agricultural World* for undergraduate students of Pantnagar University. The course began on May 20, 2021 and concluded on June 2, 2021. In previous months, the fundamental of this course was launched and it was a great success, as it was one of a kind opportunity provided to agriculture students. The growth of mobile communication technology is creating a number of opportunities for agriculture, social empowerment, and grassroots innovation in developing countries. This short term course was initiated with the motive of sharpening technical skills of students, so that they can design mobile apps as per the needs of the Agricultural Community. The course





10 Days Training Held on Fundamentals of 3D Modeling

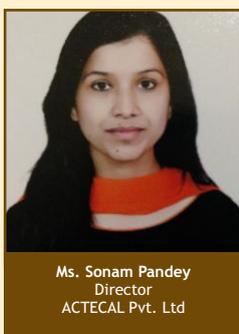
A ten days online training programme was organized by the Agri-Informatics component of IDP-NAHEP, Pantnagar on the topic 3D Modeling of G.B. Pant University. The dates of the training programme were April 28 - May 7, 2021. The expert of the training was Mr. Madan Burathi, who is currently serving as a Geospatial Information System Engineer in Kuwait Oil Company (KOC), Kuwait. This interesting training programme had 60 participants who were highly excited to learn about the 3D modeling and showed their keen interest through their engrossed participation.

During the 10 days training programme, the expert touched upon several topics including the basic requirement of 3D model and maps, vector and raster data, geodatabase, downloading high resolution google images, digitization techniques and tools, digital data collection methods, introduction to ArcGIS Pro, key components of ArcGIS Pro, geospatial data format supported by ArcGIS Pro, 3D data visualization and mapping using ArcGIS Pro, popular 3D tools and techniques, and some hands-on practice session on



aspects of 3D scenes creation, capturing building roof tops, etc. After undergoing both theory and hands on practice sessions, the participating students were divided into different groups and each of the group was allotted a part of the University campus. The student groups then captured their respective allotted buildings and areas and created a 3D image. All the 3D models were then collated to generate a 3D model of Pantnagar University.

(continued from page 1)



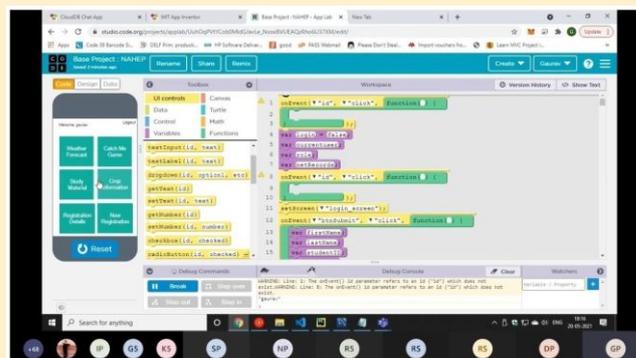
Ms. Sonam Pandey
Director
ACTECAL Pvt. Ltd



Mr. Gaurav Pant
Consultant
ACTECAL Pvt. Ltd

was mentored by Ms. Sonam, Director and Mr. Gaurav Pant, Consultant, ACTECAL Private Limited, Uttarakhand.

Dr. S.K. Kashyap, Dean, College of Agriculture and PI, IDP-NAHEP, Pantnagar stated that it is high time to think towards development of technology which can definitely boost the agriculture sector and agricultural education. He applauded the experts for providing such an enthrusting and simplified technical experience to the students. Dr. A.S. Nain, Coordinator, Agri-Informatics Component, IDP-NAHEP, Pantnagar said that farmers can also interact and get guidance from agriculture experts across the country via the apps.



These apps help in providing market information, facilitating market links, providing access to extension services, etc. He expressed his thankful words to the experts for guiding the University students on such a relevant and apt issue of the development of new services and applications in agriculture for the benefit of farmers and other stakeholders. The course was coordinated by Dr. Rajeev Ranjan, Assistant Professor, Agrometeorology, College of Agriculture, Pantnagar. He added that such short-term courses serve to give new dimensions of technical skills to the students. He further appreciated the efforts and the expertises of the mentors in nurturing the participating students.



Second Workshop of IDP-NAHEP Writing Studio Conducted on Research Based Review Writing

The IDP-NAHEP Writing Studio is an endeavour of IDP-NAHEP, Pantnagar which focusses on improving the writing skills of the University students. The second workshop of the Writing Studio was held in online mode from May 21-25, 2021 and was entitled as *Practicum on Writing Research based-Review Article*. The expert for the five-day workshop was Dr. Shweta Gupta, alumnus of Pantnagar University, Fellow, IIM Indore, and Director, Arohana Management Solutions, Dehradun. During the five days workshop, the expert comprehensively deliberated upon the concept of research, how writing can have additional dimensions with flavours of systematic research, how research is to be incorporated in writing articles, what research techniques must be followed, and how the writing structure is developed. She further discussed on how to quote references, how to paraphrase, and how to summarize. She kept a strong emphasis on giving daily assignments to the participants. The assignments submitted by the participants were critically

evaluated with focus on areas of improvement. The participants gave a very positive feedback of their learning from the workshop. Dr. S.K. Guru, Nodal Officer (Academic), IDP-NAHEP, Pantnagar stating the relevance of this workshop for undergraduate students said that writing skills have now become extremely crucial for students aspiring to pursue any profession and is therefore needed to be mastered by all. Dr. S.K. Kashyap, PI, IDP-NAHEP, Pantnagar also said that writing being an art as well as science is based on a set algorithm. He added that considering the relevance of writing as one of the critical skills for the graduates of the 21st century, such workshops will be organized on monthly basis. A total of about 80 students participated in the five-days workshop.



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

Honing Skills of Foreign Languages and Foreign Culture: 6 Days Workshop Organized

The Language Lab component of IDP-NAHEP, Pantnagar organized a six days workshop on Diversity in French Language and Francophone Countries from May 10-18, 2021. Dr. Varun Dev Sharma, Assistant Professor and Head, Department of French and Francophone Studies, Doon University, Dehradun was the expert. During the initial days of the workshop, the expert introduced the students to the science of linguistics that shows how to make sounds and pronounce French words. He told students that

phonetics should be interesting because knowing how the French people make their sounds could help French language learners achieve a perfect pronunciation across the globe. On the following days, Dr. Sharma explained the 'Faire' verb, an important verb of French language as it has more than 300 meanings. Further, to practice the different phonetic sounds, students participated in a tongue twister activity with great enthusiasm making the activity fun and entertaining. There were also two cultural sessions on May 17 and 18. In the first session entitled 'How well do you know Belgium?', the expert discussed with the students about the country of Belgium, a neighbouring country of France where French language is spoken. He mentioned that along with French, Dutch and German are also spoken in Belgium as it is also bordered by The Netherlands in the north and



Dr. Varun Dev Sharma
Assistant Professor and Head
Dept. of French and Francophone Studies
Doon University, Dehradun

1. Sons voyelles		2. Sons consonnes	
[i]	i : ille - pie - ami	[p]	p, pp : pour - apprendre - pipe - papa
[y]	y : Yves - il y a - pyjama	[b]	b : bon - beau - robe
[a]	a : arbre - arboré - carnaval	[t]	t, tt : tapis - ligne - attirer
[e]	e : thé - élève - fermes	[d]	d, dd : lundi - dimanche - addition
[er, ez]	er, ez : boucher - fermes - nez - fermes	[k]	c, cc : canard - accord - lépi
[é, è]	é, è : élève - livre - tite - liste	[g]	g, gg : queue - cozi - requin
[è]	è : fouet - joust	[ch]	ch : choral - orchestre
[ett, elle, err]	ett, elle, err : assiette - pelle - balle - terre	[gare]	gare - grenouille - bague - guitare
[er + cons]	er + cons : mir - fir - lire - serpent	[chillon - elacor]	chillon - elacor
[ai, ai, ei]	ai, ai, ei : lait - maîtresse - neige	[ph]	ph : phare - pharmacie
[e]	e : cheval - me - cheveux	[v, w]	v, w : volci - voiture - livre - wagon
[eu]	eu : heureux - joyeux - cheveux	[s, ss]	s, ss : saphir - course - assez - assiette
[eau, eu]	eau, eu : ciseau - saut - jeune - bonheur	[c, q]	c, q : glace - citron - leçon - balançoire
[t, sc]	t, sc : attention - patience - scie	[z]	z : zèbre - zoo
[r]	r : maison - chemise - fraise	[s]	s : maison - chemise - fraise
[ch]	ch : chien - chameau - hache	[j]	j : jeudi - je - joli
[jeudi - je - joli]	jeudi - je - joli	[g(e), g(0)]	g(e), g(0) : capot - pigeon - rouge - gilet
[l, ll]	l, ll : lapin - bol - balle - elle	[r, rr]	r, rr : roi - fer - terre - arriver
[m, mm]	m, mm : mamman - matin - homme - pomme	[n, nn]	n, nn : non - nid - âne - bonne
[gn, ni]	gn, ni : peigne - montagne - panier	[i]	i : parking
[oi]	oi : roi - peignoir - loi - manoir		

* suivant les régions, la différenciation [r] / [r] n'est pas toujours pertinente.

(continued on page 6)



Idea to Venture Creation: One Day Workshop Organized by IDP Pantnagar

The Innovation and Incubation Centre of IDP-NAHEP, Pantnagar organized a one day workshop on *Idea to Venture Creation*. The workshop was held on May 7, 2021 and was mentored by Mr. Dheeraj Kaushik, Founder Director, Dezyne Technologies Pvt. Ltd., a leading IT consulting company in India. The workshop began with the discussion on emergence of ideas, and how gradually regular ideas convert into



entrepreneurial ideas. Mr. Kaushik highlighted how engaging into hobbies and other creative tasks helps in generation of entrepreneurial ideas. He even shared examples where individuals having hobbies like cooking and playing a sport led to the development of successful entrepreneurial ventures. He even suggested on how looking at the existing products and services and going for their critical analysis can help us

with the idea of design and development of new products. The expert also discussed that an entrepreneurial venture must have the capability of solving the market problem through any means. Several case studies and success stories were then shared with the participants including that



Mr. Dheeraj Kaushik
Founder Director
Dezyne Technologies Pvt. Ltd.

of Ola and Uber. He also focused on different elements associated with entrepreneurial ventures such as desirability (what do people desire for), viability (what can be financially viable), and feasibility (what is technically and organizationally feasible). Meanwhile, he also discussed with the participants the preparation of different business model canvas which are needed to be presented while making efforts to secure funding from venture capitalists or large businesses. While concluding the workshop, an interesting query session was held, post which Dr. A.K. Upadhyay, Professor and Head, Veterinary Public Health and Epidemiology and Coordinator, Innovation and Incubation Centre, IDP-NAHEP, Pantnagar gave the closing remarks. He extended his gratitude to the expert for providing a wholesome learning experience to the participants and encouraged the students to participate in the upcoming events of the Innovation and Incubation Centre.

(continued from page 5)

Germany in the east. Also, the food, historic locations, and other interesting facts about Belgium and France were discussed. In the musical session named 'Discovering Francophone Music', students listened to the music of different Francophone artists (artists who sing in French language). They did an activity of completing the French lyrics after listening to the songs. Talking about higher education in these European countries, the expert also focused on some Belgian Universities that provide scholarships to students and he added how learning French language could boost up the chance of getting selected. Forty students of the French Language A1-A2 level courses registered under IDP-NAHEP, Pantnagar participated in this six-day workshop.

Pistes	Réponses	Chanteur / Chanteuse
Chanson 1 - MA PHILOSOPHIE	AMEL BENT	A ■ Edith Piaf
Chanson 2 - SAINT DENIS	GRAND CORPS MALADE	B ■ Jacques Brel
Chanson 3 - LA RUMEUR	DANY BRILLANT	C ■ Charles Aznavour
Chanson 4 - EMMENEZ-MOI	CHARLES AZNAVOUR	D ■ Grand Corps Malade
Chanson 5 - LA TERRE EST RONDE	ORELSAN	E ■ Stromae
Chanson 6 - LA VIE EN ROSE	EDITH PIAF	F ■ Céline Dion
Chanson 7 - PAPAOUTAI	STROMAE	G ■ Dany Brillant
Chanson 8 - LE REVE DU PECHEUR	LAURENT VOULZY	H ■ Jean-Jacques Goldman
Chanson 9 - DERNIERE DANSE	INDILA	I ■ Lara Fabian
Chanson 10 - QUELQUE PART	JEAN-JACQUES GOLDMAN	J ■ Laurent Voulzy
Chanson 11 - FATOU YO	TOURE KUNDA	K ■ Orelsan
Chanson 12 - QUAND ON A QUE L'AMOUR	JACQUES BREL	L ■ Alain Ramanisum
Chanson 13 - JE LUI DIRAI	CELINE DION	M ■ Amel Bent
Chanson 14 - JET'AIME	LARA FABIAN	N ■ Indila
Chanson 15 -	ALAIN RAMANISUM	O ■ Touré Kunda



Inducing Motivation: Sustaining Optimism in Adversities

Motivational Lecture Delivered by PI, IDP-NAHEP, Pantnagar

Adversities are opportunities which help an individual evolve as a winner in life. With this thought, an online motivational lecture was organized under IDP-NAHEP, Pantnagar in association with Bharat Vikas Parishad, Rudrapur on May 27, 2021 with Dr. S.K. Kashyap, Dean, College of Agriculture, Pantnagar and PI, IDP-NAHEP, Pantnagar. Addressing a total of 100 participants present in the session, Dr. Kashyap initiated by stating that adversities help a person to be a winner, as it demands one to be stable, optimistic and responsible in his ideas, thought process and decision making. He added that every individual wants that the conditions around him/her must remain favourable throughout but as one confronts challenges in life the worries start emerging and happiness as well as peace vanishes from life all of a sudden. Putting special focus on what should be done to handle adversities, Dr. Kashyap stated that trying to solve the adversities and evolving a way to get out of them is the only solution. He stated that there are three types of personalities in the world. First, those who succumb before the adversities and start generating as well as spreading negativities all around; the other being the ones who handle situations by setting routines, generating positive narratives, integrating their family



into creating positive thoughts all around; and the third ones are such who become role model for their locality as well as community by dedicating themselves for the good of a larger mass. Dr. Kashyap emphasized that our cultural legacy that we have inherited from our forefathers teaches us to be in the second and third category of people and become fearless with the light and spark of hope and optimism in our hearts. Giving inference from the life of great freedom fighter Veer Savarkar, he stated that we must take inspiration from his life as even after being imprisoned in Kalapaani twice, he constantly aspired for beautiful days of the Indian Motherland. Concluding the talk, Dr. Kashyap said that the time indeed is full of adversities but we must always keep the faith and hope of better tomorrow with us.

5 Days Training Held on Role of Smart Farming in Indian Agriculture System

The IDP-NAHEP, Pantnagar organised a five days training programme from May 10-14, 2021 on the topic *Role of Smart Farming in Indian Agriculture System*. The motive of the training was to make the participants acquainted with application areas of C programming language in agriculture. The training programme initiated with the words of Dr. S.K. Guru, Nodal Officer (Academic), IDP-NAHEP, Pantnagar. He addressed the participants and emphasized the significance of emergence and adoption of technology in agriculture sector. He added that production capacity in farming and animal husbandry has increased due to the usage of computer programming and thus we must seek out ways to further capitalize the computing technology in different modes. The five days training programme was mentored by Dr. Ashish Agrawal, Assistant Professor, Shri Ram Murti Smarak College of Engineering and Technology, Bareilly.

The training programme covered the concepts of precision agriculture and elaborated aspects of C programming language including the history of C, basic data types, operators, C compiler, etc. Several examples pertaining to agricultural issues were undertaken and practice



exercises were given to write suitable codes for addressing those agricultural problems. Some of the issues included, planting patterns, waste water management, and livestock and supply chain challenges. The expert ensured extensive involvement of the participants through quizzes, coding assignments, and lot of question and answers. The training concluded with a satisfactory response from both the participants and the expert.

Interactive Sessions Held on COVID-19 and Its Management Strategies

The current time of the pandemic is holding huge lot potential of becoming a serious threat to humanity with the false myths and wrong notion about the behaviour of virus and the science underlying in its containment. With this perspective in picture, online interactive sessions entitled as *Understanding the World of Virus: Threats and Management Strategies* in reference to COVID-19 was organized from May 10 - 13, 2021. A total of three experts took the sessions on three different days. The session of the first day was taken by Dr. Yogita Bohra who is presently serving as Assistant Professor in the Department of Plant Pathology at Punjab Agricultural University, Ludhiana. She threw light on the introductory aspect of virus, viroids, virions, prions, and their structure and difference in mechanism of action due to structural variations. Talking in context of COVID-19, she explained how exactly the virus enters the human body and causes fatality inside the body. Dr. Bohra also explained the drugs being administered in the treatment of COVID-19 with specific focus on their mode of action. On the second day, the interactive session was led by Dr. Ram Sevak Tomar, Faculty (Biotechnology), College of Horticulture and Forestry, Rani Lakshmi Bai Central Agricultural University,



Dr. Ram Sevak Tomar
Faculty (Biotechnology)
College of Horticulture and Forestry
RBCAU, Jhansi



Dr. Yogita Bohra
Assistant Professor
(Plant Pathology)
PAU, Ludhiana



Dr. Niraj Kumar
Assistant Scientist
(Animal Biotech.)
GADVASU, Ludhiana

Jhansi. He focussed on explaining the diagnostic tool kits for viruses, antigen-antibody interaction, the science underlying the RT-PCR test and the difference between RT-PCR and antigen-antibody test. Lastly, the third day of the interactive session series was undertaken by Dr. Niraj Kumar who is working as Assistant Scientist (Animal Biotechnology) at Guru Anand Dev Veterinary and Animal Science University, Ludhiana. Dr. Niraj in his presentation talked of the science of vaccination, non-vaccination measures and other management practices followed for containment of the virus. Speaking about the interactive sessions, Dr. S.K. Guru, Nodal Officer (Academic), IDP-NAHEP, Pantnagar appreciated the young scientists for deliberating on the critical issues surrounding the pandemic with such clarity. He extended his heartfelt gratitude to the experts and the participants for making these sessions insightful.





The Main Events of June 2021

S. No.	Event	Proposed Date	Venue	Nodal Unit	Convener
1.	One Week Workshop on Startup Week: From Idea to Revenue	02-06-2021 to 08-06-2021	Online	Innovation and Incubation Centre	Dr. A.K. Upadhyay, College of Veterinary and Animal Sciences
2.	4 Days Online Workshop and Quiz Competition on Environmental Consciousness in France	07-06-2021 to 10-06-2021	Online	Language Lab Team	Dr. Alka Goel, College of Home Science
3.	Webinar on Emerging Issues and Concerns related to Planetary Health: Making our Planet Chemically Safe	07-06-2021	Online	Academic Team	Dr. S.K. Guru, College of Basic Sciences and Humanities
4.	Webinar on Emerging Issues and Concerns related to Planetary Health: Ecological Restoration of Degrading Wetlands	08-06-2021	Online	Academic Team	Dr. S.K. Guru, College of Basic Sciences and Humanities
5.	10 Days Online Training on Applications of Machine Learning in Agriculture	10-06-2021 to 19-06-2021	Online	Agri Informatics Team	Dr. A.S. Nain, College of Agriculture
6.	5 Days Workshop on How to Build Successful Self Profile	23-06-2021 to 27-06-2021	Online	Academic Team	Dr. S.K. Guru, College of Basic Sciences and Humanities
7.	4 Days Training on Applications of Smart Farming Techniques for Enhancing Quality of Plant Nutrients	23-06-2021 to 26-06-2021	Online	Agri Informatics Team	Dr. A.S. Nain, College of Agriculture



Precious Lessons: Insights and Experiences from IDP-NAHEP Project

Dr. S.K. Kashyap

Dean, College of Agriculture/PI, IDP-NAHEP, Pantnagar

The IDP-NAHEP project running in Pantnagar University is a unique project owing to its transformational guidelines and procedures. The project team at Pantnagar has learnt some precious lessons during last 21 months. The financial management of the IDP-NAHEP project emerged with utmost efficiency. The stringent online systems and regular critical reviews enhanced the overall effectiveness of the project teams. Also, the facilitative role of the finance team of PIU NAHEP, New Delhi played a pivotal role. They made utmost efforts to promote and encourage the project teams for maximising the fund utilization under both capital and revenue heads. Moreover, regular procurement reviews in accordance with the STEP portal of World Bank in order to look into the stepwise efforts and achievements of different project teams in different universities, enhanced the procurement efficiency. The extensive usage of technology, time bound reviews, promotive attitude, and target based efforts were the key elements that led to successful implementation of the IDP-NAHEP projects in different agricultural universities and in Pantnagar in particular.

