





Progress Report (May, 2021 to September, 2021) for

Institutional Development Plan for Improved Learning Outcome, Skill and Entrepreneurship at GADVASU Ludhiana

Submitted to PIU – NAHEP, ICAR September, 2021 Project Title: Institutional Development Plan for Improved Learning Outcome, Skill and Entrepreneurship at GADVASU Ludhiana

Project profile:

a. Component: 1a

b. Sub-project title: Institutional Development Plan

Project Objectives:

Objective 1: Strengthening academic programmes for producing industry and market-ready professionals and improving learning outcomes.

Objective 2. Harnessing on faculty and student development programmes for enhancing competence and diversity.

Objective 3. To develop innovative and sustainable revenue generation models.

Achievements of Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana

The major achievements/activities included:

- Training and capacity building of students through organization of various webinars and interactive sessions in online mode.
- Industry Academic Interface sessions on Entrepreneurship Development
- Improvement of campus social amenities and student wellbeing.

(a) Strengthening of Teaching infrastructure:

- Precision Dairy Farming System [Cow scout S-neck (quantity:100pc)]: -
- For application of artificial intelligence as educational tool to aid teaching in the field of monitoring of animal health
- Language lab software for 50 consoles: -
- To improve the language proficiency of the students.
- Books and journals purchased for undergraduate students to strengthen their academic curriculum.

Training and Capacity Building: A number of webinars and interactive sessions involving UG students and faculty were conducted for all the constituent colleges. Apart from that interactive sessions with many entrepreneurs had been arranged through online and offline mode. Laptops purchased under IDP in financial year 2020-21 were being utilized for conduction of online classes for UG students of GADVASU.

Seminars, webinars and workshops: Key thematic areas of webinars organized under IDP were career options after graduation, Entrepreneurship Development and capacity building for dairy science students for enhancement of entrepreneurial skills, Entrepreneurship Development and capacity building for fisheries sector, Soft skills required by veterinary graduates to be successful. etc. (details are given in table).

Industry Interactions: A total of 4 Industry Academic Interface sessions on Entrepreneurship Development were organized during May 2021 to August 2021 and students along with faculty members interacted with industrialists and entrepreneurs. Two MOUs has been signed with IIT Ropar and NABARD.

Strengthening Alumni network through Alumni meets

- (a) Improving of campus social amenities and student wellbeing:
- Gymnasium has been made operational at different colleges for students. Passes has been provided for effective utilization of equipment's.
- Project staff: During April to September, 2021; one SRF (Dr. Komalpreet Kaur; Doj: 6th September 2021) and one field assistant (Ms. Monika; DoJ 6th September) were recruited. The number of contractual staffs recruited in the project are as per sanctioned strength.
 - b) Major Innovations during the period
- A training on Molecular Techniques in Pathology was organized and successfully conducted by IDP cell from 17-21 May 2021 for under-graduate students, wherein students were made familiar with molecular techniques used in Veterinary Pathology.
- Guru Angad Dev Veterinary and Animal Sciences University organized online Training Programme on "Animal Welfare and Equine behavior" from 25th-28thMay 2021 for developing the understanding on Animal welfare, equine behavior and compassionate

- handling among Vet students under Institutional Development Plan (IDP) under NAHEP in coordination with Brooke Hospital for Animals (India). This training enhanced clinical competency of Veterinary students about equine practice, their knowledge about equine behavior interpretation, compassionate handling of equine and welfare issue of equine.
- An on-line training programme on "Poultry Diseases Diagnosis" was conducted by the Department of Veterinary Pathology under an initiative of NAHEP, ICAR in association with College of Veterinary Science, GADVASU. The training programme was of 5-day long duration from 7th June to 11th June, 2021.A total of 12 participants including faculty members and students across the various zones of our country took part in this training programme. The training extended a major impetus on practical aspects of managemental problem(s) leading to disease development and the various mitigation/preventive strategies to avoid disease scenario at farm levels.
- National Fish Farmer Day was conducted on 10 June 2021 to acknowledge the efforts of fish farmers towards ensuring food security.
- World Microbiome Day was celebrated on 28th June, 2021. The event comprised of a webinar on "Gut microbiota and its role in health and disease". In addition to this an e-poster competition was also organized on theme "Role of Microbiome in Health and Sustainability" wherein 18 students participated in the competition. Judges from Dept. of Veterinary Microbiology evaluated the posters and the winners were facilitated.
- Faculty International Training Programme: To accomplish one of the major objectives "Harnessing on faculty and student development programme for enhancing competence and diversity" Selection of Faculty for International training has been for students and faculty has been done as per the directions of PIU. The aim is to improve the teaching and research skills in their respective area of research.
- Video Tutorials for UG Students have been made and uploaded on YOUTUBE Channel so that they might not miss their classroom learning in unprecedented situations like COVID-19. List of

• Video tutorial (01) developed so far under the IDP.

Content	Department	Video tutorial link
Veterinary Andrology & AI (Semen collection, Evaluation & Infertility Investigations)	Veterinary Gynaecology & Obstetrics	https://www.youtube.com/watch?v=objpQV_4-m8&list=PLn-8gPMCpqoDIdVHNKCYaZ92nq5dyEQwH&index=13

Monitoring and Evaluation

All the activities carried out under IDP are monitored by concerned authority on frequent basis. Outcomes are evaluated regularly and further improvements are suggested on the basis of feedback received from beneficiaries. Project monitoring and Evaluation cell (PME) provides regular inputs for further improvement in the activities to be undertaken and progress is kept in tandem with set approved objectives and indicators.

Progress of IDP project made during 2021-20

- One Senior Research fellow and one field assistant were recruited as per ICAR Norms and sanction letter received for project.
- Two MOUs has been signed with IIT Ropar and NABARD.
- The list of various seminars, workshops and interactive sessions conducted by different colleges of GADVASU during May 2021-August 2021 is presented as under:

S.No	Title of Activity	Category	Date	No. of participants
1	Staying Organized for Effective Learning	Webinar*	13 May 2021	227
2	Dairy Farming as A Viable Entrepreneurial Option	Academia- Industry Interface^	20 May 2021	19
3	Cow Conservation and Revenue Generation	Webinar^	21 May 2021	230

4	Fundamentals of Computer Memories	Webinar*	3 June 2021	54
5	Establishment of Mini Dairy Processing Plant: Start-Up Entrepreneurial Initiative	Academia- Industry Interface^	10 June 2021	37
6	Basic Engineering Properties of Dairy Products Important for Designing Processing Equipment's	Academia- Industry Interface	23 June 2021	29
7	Gut Microbiota and Its Role in Health and Disease	Webinar	28 June 2021	22
8	Fishpreneurship Development Skills For 'Aatmanirbhar Bharat'	Webinar^	1 July 2021	28
9	An Overview on Q Fever: Indian Perspective	Webinar	16 July 2021	82
10.	One Health Approach to Tackle Brucellosis	Webinar	20 July 2021	107
11	Dairying in India - Opportunities and Challenges	Webinar^	23 July 2021	82
12	Yes I Can- The Life Changing Words	Webinar*	29 July 2021	121
13	Entrepreneurial Opportunities for Vets	Webinar^	31 July 2021	61
14	Effective Communication Skills for The Professional and Personal Growth	Webinar*	5 Aug 2021	106
15	Attitude Determines Altitude	Webinar*	11 Aug 2021	26
16	Role of Soft Skills and Effective Communication for Successful Entrepreneurship	Webinar*	16 Aug 2021	50
17	How Literature Designs/ Develops Life and Professional Skills	Webinar*	18 Aug 2021	11
18	Tik Tok-How to Manage Time Effectively	Webinar*	23 Aug 2021	71
19	Importance of Dietary Guidelines for Healthy Living	Webinar*	2 Sep 2021	24
20	The nexus of climate change, animal health and welfare	Invited Talk	7 Sep 2021	41
21	Effective communication for information infusion	Invited Talk*	16 Sep 2021	65
22	Depletion and protection of Ozone Layer	Invited Talk*	16 Sep 2021	89

23	World Rabies Day Celebration	Motivational Talk *	28 Sep 2021	99
24	Lavish spending and our life styles	Motivational Talk *	29 Sep 2021	34

^{*}Soft Skill Development

[^]Entrepreneurship Development

S.No.	Title of Activity	Category	Date	No. of
				participants
1	Molecular Techniques in Pathology	Training	17-21 May 2021	16
2	Online Training on Animal Welfare and Equine Behavior	Training	25-28 May, 2021	132
3	Poultry Disease Diagnosis	Training	7-11 June, 2021	24
4	International e-symposium on "One Health approach to tackle Zoonoses	e-symposium	6 July 2021	200
5	National e-Colloquium on "Perspectives and opportunities for Brucellosis Control in India	e-colloquium	7 July 2021	140
6	Zoonoses Awareness Camp	Awareness camp	8 July 2021	50
7	Brucellosis Awareness and Testing Camp	Awareness camp	9 July 2021	50
8	Brucellosis Awareness Camp	Awareness camp	12 July 2021	124
9	Brucellosis Awareness Camp	Awareness camp	13 July 2021	25
10	Brucellosis Awareness Camp	Awareness camp	14 July 2021	25
11	Brucellosis Awareness Camp	Awareness camp	15 July 2021	25
12	Zoonoses Awareness Camp	Awareness camp	19 July 2021	12

Plan ahead for 2021-22

- Skill Development for students
 - ✓ Student Entrepreneurship trainings
 - ✓ Student Skill Development Programme
 - ✓ Remedial courses for weaker section students
 - ✓ Certificate courses
 - ✓ Student short duration Internship
 - ✓ Student orientation courses
 - ✓ Artificial intelligence training of students
- Students' exposure visits and trainings
 - ✓ Students will be sent to various international universities and institutes of repute for academic exposure.
 - ✓ Exposure visit of students to Industries and plants
- Faculty upgradation
 - ✓ International level training for faculty to enhance efficiency and competence
- Visiting Professorship/Adjunct faculty/Guest faculty
- Linkages with industries
 - ✓ Industry experts/faculty for workshops and lectures
 - ✓ Industry-Academia interface
 - ✓ MoUs and technology transfers

1. Output-Outcome Monitoring

S.No.	Particulars		May'21 to Se	eptember'21
		Plan	Achievement	Remarks (Action plan for areas where improvement is needed)
1.	Number of new facilitative units established to enable academic and research infrastructure (IIIC-Industry Institution Interaction Cell / Start up cell / incubation cell / experiential learning unit / placement cell etc.)	0	0	
2.	Number of pilot courses added / upgraded on communication skills, entrepreneurial skills, information processing, creative and innovative thinking, leadership skills, industry-oriented courses etc.	2	0	
3.	Additional revenue generated through institutional activities with industries in INR lakhs	0	0	
4.	Revenue generated through public usage of infrastructure for academic activities in INR lakhs	0	0	
5.	Number of MoUs signed with industry for knowledge exchange programs/ internships / short term training programs etc.	06	02	
6.	Improved AU revenue generation (% change in internal revenue of AU)	-	-	
7.	No. of International trainings undertaken by faculties under IDP component	Under Prog	ress	
8.	Number of national trainings undertaken by faculties under IDP component	0	0	NA

9.	No. of International trainings	20	0	NA
	undertaken by students under IDP	students		
	comp			
	Number of students:20			
10.	Number of national trainings	0	0	NA
	undertaken by students under IDP			
	comp			
11.	No. of direct beneficiaries of the	1300	2059	•100 % of plan/target was
	project			achieved, however during
				period of lockdown,
				some of activities were
				stalled.
12.	No. of female beneficiaries out of	-	838	
	total direct beneficiaries			

2. Input and Activity Monitoring

Input/ Activity	Sub-Head/ Category	_	ture/ Input R lakhs	Justification
Indicator		Planned	Utilized	
	Equipment, Plant & Machinery	Nil	Nil	
	Office equipment	Completed in	n the Financial Y	Year 2020-21
Goods and Equipment	Laboratory equipment	125.13137	Under Implementati on. Supply order issued.	1. Cow scout S-neck 100pc with 2 no. antenna and accessories with installation, demonstration and training; 3-year onsite warranty; Hands-on training and advisory to faculty members during the first six months after installation as and when needed: For application of artificial intelligence as educational tool to aid teaching and research activities. 2. Language lab software for 50 consoles, on-site 1 year's warranty and upgradation of software; Complete on-site installation, demonstration and training: To improve the language proficiency of the students.

	Furniture &	Completed in	n the Financial Y	Year 2020-21
	fixtures			
	Computers and	Completed in	n the Financial Y	Year 2020-21
	Peripherals			
		25.00	Under	These books will help in facilitating
	Books and		Implementati	the teaching primarily practicals of
	Journals		on. Supply	various undergraduate courses.
			order issued.	-
Civil works	Minor repair and	Completed in	the Financial Y	Year 2020-21
	renovation work			
	National level	Nil	Nil	
	training			
Human	International level	40.00	0.00	Not undertaken due to COVID-19
Capacity	training			
Building	Short visit/	8.00	0.00	Not undertaken due to COVID-19
Dununig	seminars			
	Meetings and	3.80387	0.00	Not undertaken due to COVID-19
	workshops			
C V.	National level	Nil	Nil	
Consultancy	consultancies			
Recurrent	Travel	1.34273	0.00	Not undertaken due to COVID-19
Cost /	Contractual	46.95758	12.73382	Salary of Contractual Staff under
Miscellaneo	services			IDP
us	Operational costs	118.14487	0.00	
	Institutional	2.74	0.00	
	charges			
Total		371.1204	12.73382	

3. Case studies/ success stories

Major category: Media coverage of project activities and achievements

- a. Print/Press release
- b. IDP sponsored National Training on
 - (i) Molecular Techniques in Pathology
 - (ii) Online Training on Animal Welfare and Equine Behavior
 - (iii) Poultry Disease Diagnosis



• Guru Angad Dev Veterinary and Animal Sciences University organized online Training Programme on "Animal Welfare and Equine behavior" from 25th-28thMay 2021 for developing the understanding on Animal welfare, equine behavior and compassionate handling among Vet students under Institutional Development Plan (IDP) under NAHEP in coordination with Brooke Hospital for Animals (India). Dr. Rajesh Kasrija, organizing secretary, apprised that a total of 263 participants registered for this 4-day training programme. The experts for this training were Dr Nidhish Bhardwaj, Head of Animal Health & Welfare, Brooke India and Dr Sarita Negi, Veterinary Officer Animal Welfare and Training, Brooke India. The technical lectures on Animal Welfare & its frameworks; Natural Behavior of equine; How equines communicate; Welfare Assessment and welfare issues of working equines and Compassionate Handling.

• An on-line training programme on "Poultry Diseases Diagnosis" was conducted by the Department of Veterinary Pathology under an initiative of NAHEP, ICAR in association with College of Veterinary Science, GADVASU. The training programme was of 5-day long duration from 7th June to 11th June, 2021. A total of 12 participants including faculty members and students across the various zones of our country took part in this training programme.

The training extended a major impetus on practical aspects of managemental problem(s) leading to disease development and the various mitigation/preventive strategies to avoid disease scenario at farm levels. Dr. Shakti Kant Dash, Assistant Professor, Department of Livestock Farm, GADVASU, elaborated various points that essentially triggers disease occurrence at farm level with their possible origins and genesis. The conduct of post mortem examination of poultry birds along with identification of important gross lesions against various commonly noticed diseases was discussed. Additionally, an exclusive focus was also placed on special pathology of various viral and bacterial diseases of poultry along with parasitic diseases to achieve greater in depth knowledge for beginners and students.

4. Photographs of activities: Attached in the last.

During this period (May 2021 to August 2021), a number of webinars involving experts from industries, academia and various entrepreneurs, were conducted for students in online mode. Some of the activities could not be initiated as students have not joined their regular classes due to COVID crisis. However, some unique initiatives have been taken to motivate them like poster competitions etc.













Indian Council of Agricultural Research (ICAR) Institutional Development Plan (IDP) under NAHEP

Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana in coordination with Brooke (Hospital for Animals) India

Online Training Programme

on

"Animal Welfare and Equine behavior"

25th -28th May 2021

(2:00 pm to 3:30 pm daily)

Meeting Link:
https://zoom.us/i/97078798067?pwd=d
E1U2R2dEMzbnRZQXIwbmJVSjFjUT09
Meeting ID: 970 7879 8067
Passcode: 024296

Programme Schedule "Animal Welfareand Equine behavior"

Date: 25-28 Ma	ay, 2021	Timing	s-02:00-03:30 PM daily
Time	Topic	Speaker	
	First Day:25 May, 202	1 (Tuesday)	
02:00-03:30	Animal Welfare & its frameworks	86	Dr. Nidhish Bhardwaj Head of Animal Health & Welfare, Brooke In

	First Day:25 May, 2021 (Tuesday)		
02:00-03:30	Animal Welfare & its frameworks		Dr. Nidhish Bhardwaj Head of Animal Health & Welfare, Brooke India
	Second Day: 26 May, 2021 (Wednesday)		
02:00-03:30	How equines communicate/Interpretation of equine behavior	9	Dr. Nidhish Bhardwaj Head of Animal Health & Welfare, Brooke India
	Third day: 27 May, 2021 (Thursday)		
02:00-03:30	Welfare Assessment and welfare issues of working equines	9	Dr. Sarita Negi Veterinary Officer Animal Welfare and Training
	Fourth Day: 28 May, 2021 (Friday)		
02:00-03:30	Compassionate Handling of equines		Dr. Nidhish Bhardwaj Head of Animal Health & Welfare, Brooke India

Organizing Committee:

Chief Patron: Dr. Inderjeet Singh, Vice Chancellor, GADVASU, Ludhiana
Patrons : Dr Sarvpreet Singh Ghuman, Pl-IDP & Dean-COVS, GADVASU, Ludhiana

Organizing Secretary: Dr. Rajesh Kasrija, Associate Professor, GADVASU, Ludhian





Department of Veterinary Pathology
College of Veterinary Science
Guru Angad Dev Veterinary and Animal Sciences University,
Ludhiana





On Line Training on "Molecular Techniques in Pathology" 17th To 21st May, 2021



#Category	<u>Fee</u>
Veterinarians in Academics and Field	Rs. 1000/-
Students*	Rs. 500/-
Name of the Bank	Bank of Baroda
Account Name and No.	Comptroller, GADVASU-29380100012410
IFSC Code	BARB0PAULUD

Training Content

Nucleic acid isolation; Primer designing and Gene cloning strategies; PCR, In situ hybridization; Molecular approaches for Rabies diagnosis

Organizing Secretary Dr. B.S.Sandhu Head, Vety. Pathology

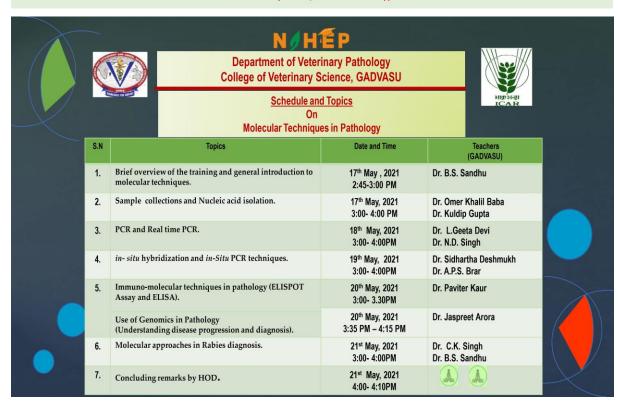
Last Date of *Registration: 14th May, 2021

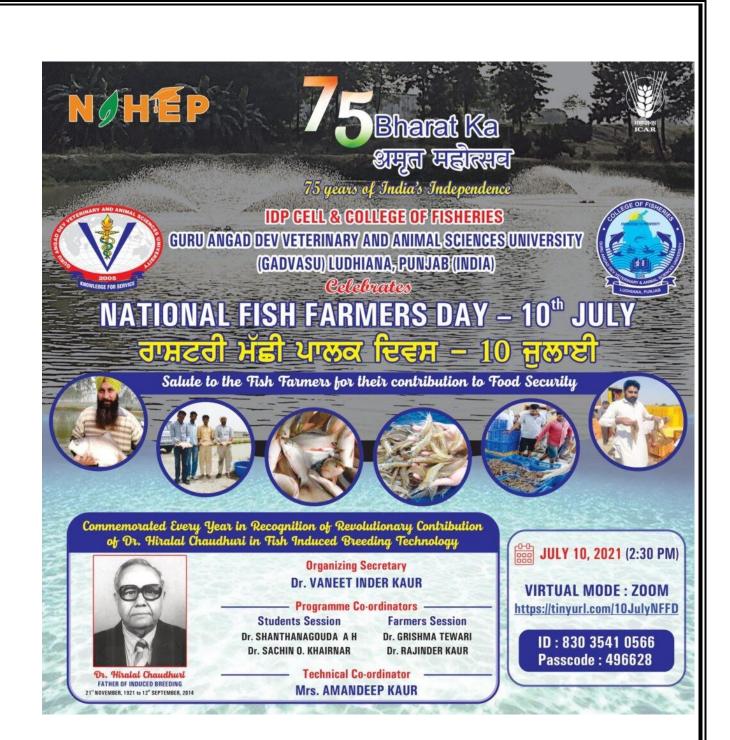
<u>Training Co-ordinators</u>
Dr. Sidhartha Deshmukh
Dr. L. Geeta Devi

Apply online to: sid0159@yahoo.com

* Free for GADVASU Undergraduate students.

Please mention your name, Affiliation and Whats App numbe











Institutional Development Plan (IDP) under NAHEP

Guru Angad Dev Veterinary and Animal Sciences University Department of Veterinary Microbiology



World Microbiome Day 2021 on 28th June 2021



Organizing Committee:

Organizing Secretary: Dr. Deepti Narang, Head, Veterinary Microbiology

Co-organizers: Dr. A.K. Arora, Dr. T.S. Rai, Dr. N.S. Sharma Co-ordinators: Dr. Mudit Chandra, Dr. Gurpreet Kaur, Dr. Paviter

Meeting Link

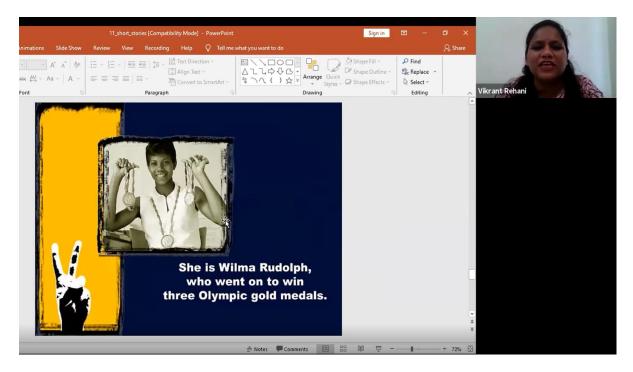
https://tinyurl.com/WMD28-june2021

Meeting ID: 898 0097 3654 Passcode: 234514

FIRST PRIZE Sanju Singh 2nd Year BVSc GADVASU, Ldh



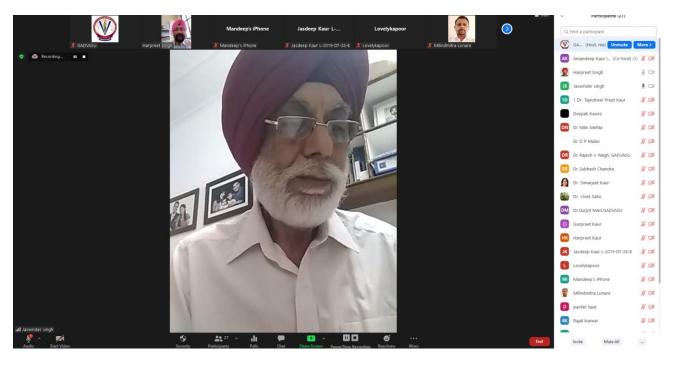


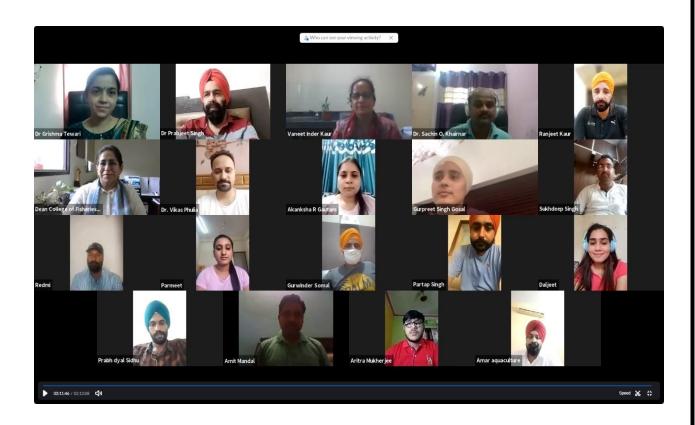


The nexus of climate change, animal health & welfare a brief introduction

Dr Christopher Browne

















Webinar

Role of Soft Skills and Effective Communication for Successful Entrepreneurship



Date: 16.08.2021 Time: 5:30 PM onwards

Organizing Secretary:

- Dr. Amandeep Sharma Associate Professor (Dairy Engineering), CODST Coordinators:
- Er. Gursharn Singh Assistant Professor, CODST
- Dr. Tajeshwar Preet Kaur Senior Research Fellow, IDP Cell, GADVASU

Click Zoom app to join the Webinar



Zoom Meeting Link:

https://tinyurl.com/16th-August-2021 Meeting ID: 848 9489 1421 Passcode: 141788

Mr. Arindam Deb Assistant Professor (Marketing) Birla Institute of Management and Technology **Greater Noida**

- Greater Noida

 About the speaker

 Mr. Arindam Deb has done his bachelor in Commerce with honors in Management from Assam University, Silchar in 2000. PG diploma in Business Management (Retail Management) from Birla Institute of Management and Technology, New Delhi in 2004. Masters in Business Administration from Sikidh Manipal University in 2016.

 Presently working with Birla Institute of Management Technology (BIMTECH), Greater Noida as Asst Professor Marketing (Retail Management, Brand Management, Luxury Management, Customer Relationship Management, Sales and Distribution Management, Retail Entrepreneurship).

 Over 21 of experience in Teaching, Academic Institute Building, Corporate Liaisoning for students, MDP, placement, internship and live project.

 Early adaptor / implementer of AACSB guideline on Course Learning Goals and Course Intended Learning Outcome at BIMTECH. Successfully implemented the impact measurement system by defined its rubrics.

 Regular Corporate Connect and creating opportunities for On the Job Training, Live Short Term Project and Internship for students. Organizing and participating various students interactions with industry domain experts practitioners.





