



Progress Report
(April, 2020 to March, 2021)

for

**Institutional Development Plan for
Improved Learning Outcome, Skill
and Entrepreneurship at Guru
Angad Dev Veterinary and Animal
Sciences University (GADVASU)
Ludhiana**

**Submitted to PIU – NAHEP,
ICAR**

April, 2021

Project Title: Institutional Development Plan for Improved Learning Outcome, Skill and Entrepreneurship at Guru Angad Dev Veterinary and Animal Sciences University (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.
- Simulation test series for ICAR entrance cum JRF examination for UG students.
- Online orientation of UG students for competitive examinations.
- Industry Academic Interface sessions on Entrepreneurship Development
- Tree plantation drive under Green initiative and environmental sustainability objective.
- Improvement of campus social amenities and student wellbeing.

(a) **Strengthening of Teaching infrastructure:** Strengthening and modernization of class room facilities was done by installation of Smart class room units in 13 different classrooms of

constituent colleges of GADVASU. It included interactive panels and LCD projectors with digital podium. Lab modules (20) were purchased and successfully installed in laboratories of constituent colleges of GADVASU. Orientation books (1000) for under-graduate students were printed and distributed.

-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 mode. Laptops purchased under IDP in financial year 2019-20 were being utilized for conduction of online classes for UG students of GADVASU.

Personal lockers (40), Steel Almirah (20), Four door book case (20), Online UPS (5), Photocopier Machine (4) and Sanitizer Stand (5) were purchased and distributed in various departments 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, Combating Covid-19 crisis for fisheries sector, entrepreneurship for goat farming for young graduates Employment opportunities in fisheries, pharmaceutical industry and livestock sector. Soft skills required by veterinary graduates to be successful. Recent technical innovations for pursuing carrier in research etc. (details are given in table).

Industry Interactions: A total of 15 Industry Academic Interface sessions on Entrepreneurship Development were organized during July 2020 to March 2021 and students along with faculty members interacted with industrialists and entrepreneurs.

(a) Improving of campus social amenities and student wellbeing:

- Washing machines for students' hostel has been purchased and installed.
- Various Gym equipment's have been successfully installed in hostels for students to attain good physical health.

- CCTV cameras have been purchased and installed at various locations in GADVASU.
- Various Signages regarding fire safety instructions have been placed in universities.
- Animal incinerators have been commissioned to support environmental safety.

- Project staff: During April to September, 2020; two SRF (Ms. Amandeep Kaur; DoJ: 20 th August and Dr. Komalpreet Kaur; Doj: 16th November 2020) and two office Assistants (Ms. Neetu Singh; DoJ 14 th August and Ms. Tulika Narang; DoJ 24 th August 2020) were recruited. The number of contractual staffs recruited in the project are as per sanctioned strength.

b) Major Innovations during the period

- In wake of COVID-19 crisis, a novel initiative has been taken by Guru Angad Dev Veterinary and Animal Sciences, University, Ludhiana. University has developed cost effective hand sanitizer which is having high potency and is affordable for public. It is used at all the offices, labs and farms of GADVASU.

- Online National Quiz competition on the topic ‘Importance of Quality Assurance of Milk in Dairy Entrepreneurship Development’ on 11th June, 2020 was conducted.

- Online celebration of World Veterinary Day on 25th April, 2020 on theme Environmental protection for improving animal and human health was done wherein students were made aware about various environment related issues and its protection for sustainable development.

- Online quiz on Veterinary education in India on World Veterinary Day was arranged.

- **Online poster making competition to motivate students on World Veterinary day-** A total of 16 students applied and designed their ideas on canvas and sent the entries to IDP cell through mail. Senior fine art judges evaluated all the posters and all the winners were felicitated.

- **All India e-Poster Competition on the theme “Impact of COVID-19 on Fisheries” on 4 th May 2020-** Posters were invited online from the B.F.Sc students of any Central University, Deemed

University and SAU of India. The participants were instructed to submit the soft copy-jpg or PDF format of their posters (original ideas) to the IDP-Cell, GADVASU, through email. In total, 62 students of 20 Universities all over India were participated in the event. The evaluation was done by panel of experts and all the winners were felicitated

• **Simulation test for ICAR entrance-cum-JRF exam for undergraduate students of College of Veterinary science was started by IDP cell.** The link to the online questions pertaining to Veterinary and Animal Science discipline were published online and the assessment was done. The specific queries of students were addressed and reference material for preparation of ICAR exam was suggested.

• A course on “**Online orientation of UG students for competitive examinations**” was started and students were briefed about different strategies for attending my competitive exam.

• A National training on “Personality Development” was organized and successfully conducted by IDP cell from 14-16 January 2021 for under-graduate students, wherein students were encouraged to be self-reliant and confident to become a successful person in life.

• A Five-day National conference on “Igniting Young Minds for sustainable Growth through Entrepreneurship and Skill Development: A Vet’s Vision” was conducted from 1-5th March 2021. More than 350 participants across India attended and participated in the conference. Various competitions such as Veterinary Quiz and Poster sessions were organized and conducted online. Webinars on Entrepreneurship and skill development were delivered by experts from various veterinary Universities. The evaluation was done by panel of experts and all the winners were felicitated.

• Official website of IDP was launched on 5th of March 2021 to have glimpse of activities performed under IDP.

• An e-poster contest on World Water Day (22-03-2021) on theme “Valuing water: Judicious & Efficient use” was conducted. A total of 16 students applied and designed their ideas on canvas and

sent the entries to IDP cell through mail. Senior fine art judges evaluated all the posters and all the winners were felicitated.

- A YouTube channel has been created containing different playlist of Veterinary, Dairy and Fisheries webinar conducted on the online platform.
- 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 tutorials (08) developed so far under the IDP

Content	Department	Video tutorial link
<ul style="list-style-type: none"> • Must Know Surgical Procedures for UG. • Rumenotomy in Bovines • Diaphragmatic Hernia • Tube cystostomy in calf & Fibreglass Cast application 	Veterinary Surgery & Radiology	https://www.youtube.com/watch?v=BEYWwOqCma8
<ul style="list-style-type: none"> • Approach, Handling and Restraining of Livestock and Poultry 	Livestock Production Management	https://www.youtube.com/watch?v=PNdjN5XbA2g

Content	Department	Video tutorial link
<ul style="list-style-type: none"> • Clinical anatomy demonstrating applied anatomical landmarks in different regions of domestic animals 	Veterinary Anatomy and Histology	https://www.youtube.com/watch?v=aEIVzcUw8uk
<ul style="list-style-type: none"> • Postmortem of large animals, Gross specimen examination • Processing of tissues Examination of slides • Clinico Pathological Examination • Epithelial tumours, Mesenchymal Tumours • Postmortem of Poultry birds • Gross specimens of Poultry birds and Rabies diagnosis. 	Veterinary Pathology	https://www.youtube.com/watch?v=lwZ6rdd603E

Content	Department	Video tutorial link
<ul style="list-style-type: none"> Demonstration of Common Practical's of Veterinary Public Health for UG students Microbial examination of milk and meat by SPC, Quality assessment of milk by MBRT Detection of milk adulterants, Isolation and identification of foodborne bacteria, Diagnosis of brucellosis by Rose Bengal Plate Test, Diagnosis of brucellosis by STAT, Detection of zoonotic and foodborne pathogens, Detection of residues by HPLC, Water potability testing by MPN method, Testing of water sample for residual chlorine and Testing of water sample for hardness. 	Centre for One Health	https://youtu.be/DzUn69WxE5Y

Content	Department	Video tutorial link
<ul style="list-style-type: none"> Milk and Milk Products Technology 	Livestock products Technology	https://www.youtube.com/watch?v=fq9Clmw79tA&list=PLn8gPMCpqqoDIdVHNKCYaZ92nq5dyEQwH&index=21
<ul style="list-style-type: none"> Blood and Digestive system 	Veterinary Biochemistry & Physiology	https://www.youtube.com/watch?v=4iMd3Hh7Qro&list=PLn8gPMCpqqoDIdVHNKCYaZ92nq5dyEQwH&index=24

practical's		
<ul style="list-style-type: none"> Urine analysis, Semen evaluation, Biochemistry 	Veterinary Biochemistry & Physiology	https://www.youtube.com/watch?v=dPDUoVMWN3c&list=PLn8gPMCpgoDIdVHNKCYaZ92nq5dyEQwH&index=25

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 2020-21

- Eight Senior Research fellows, three office assistants and nine field coordinators were recruited as per ICAR Norms and sanction letter received for project.
- The list of various seminars, workshops and interactive sessions conducted by different colleges of GADVASU during 2020-21 is presented as under:

S.No.	Title of Activity	Category	Date	No. of participants
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1	Beyond Graduation in Veterinary Science: Career Options in India & abroad	Webinar	16-17April, 2020	50
2	Veterinary Education in India	Quiz	24 April, 2020	94
3	World Veterinary Day: Environmental Protection for Improved Animal and Human Health	Poster Competition	25 April, 2020	16
4	After veterinary graduation, Be Successful Entrepreneur	Webinar	29-30 April,2020	50 students and faculty members
5	Tapping the Potential of Dairy Processing for Entrepreneurship Development	Webinar	1-2 May, 2020	40
6	All-India e-poster competition on the theme: Impact of COVID-19 on Fisheries	Poster Competition	04 May,2020	62 students of 20 universities all over India
7	Economic Analysis of Value-added Dairy Products	Webinar	07 May, 2020	32
8	Covid-19 Crisis: Mitigation Strategies for Shrimp Farmers of Punjab	Webinar	11 May, 2020	82 participants including students, faculty and shrimp farmers
9	Capacity Building of Dairy Science Students for Enhancing Entrepreneurial Skills- Eng Perspective	Webinar	20 May, 2020	53
10	Interactive session on Fermented Dairy Products- Current Status, Needs and Future'	Webinar	23 May, 2020	30

11	Indian Dairy Processing Sector amid COVID-19 Crisis	Webinar	04 June, 2020	47
12	Importance of Quality Assurance of Milk in Dairy Entrepreneurship Development	Quiz	11 June, 2020	62
13	Entrepreneurship Potential of commercial goat farming in Punjab	Webinar	22 June, 2020	>60
14	Technological Innovation & Entrepreneurship in Animal Industry By- Products	Webinar	27 June, 2020	> 100 participants (academicians, students and industry personnel) from 25 states and 2 union territories
15	Talking is Healing	Webinar	02 July, 2020	>60
16	“Global Corona Crisis: Impact and Strategic measures to uplift Poultry Industry”	Webinar	24 July, 2020	25
17	Entrepreneurship in Goat Farming for Young Graduates”	Webinar	01 Aug, 2020	30
18	‘Entrepreneurial outlook and opportunities for young veterinary graduates’	Webinar	20 Aug, 2020	65
19	Interactive session on “How to be an organized student”	Webinar	27 Aug, 2020	42

20	Future Perspectives of Dairy Technologists	Webinar	12 Sept, 2020	56
21	Safety and Quality Assurance of Dairy Products	Webinar	21 Sept, 2020	65 B.Tech (Dairy Technology) 3rd and 4th year students from different institutions of India
22	Eggcellent ways to promote health	Webinar	9-Oct-20	150
23	Lactic Acid Bacteria from Starter Cultures to Cell Factories for Probiotics	Webinar	14-Oct-20	79
24	Not on the grocery list (but still in the bag): Pathogens, One Health and the Food Supply	Webinar International	21-Oct-20	40
25	Status of aqua feed sector in India & employment opportunities	Academia-Industry Interface	22-Oct-20	53
26	Agri Business Incubation in Fisheries	Webinar	26-Oct-20	47
27	Learning from COVID-19: A One Health Approach for Preventing Future Zoonotic Edidemics	Webinar International	28-Oct-20	63
28	Echinococcus multilocularis- a foodborne parasite of great concern	Webinar International	29-Oct-20	57
29	Silage: A hidden treasure for Agri-Entrepreneurs	Webinar	3-Nov-20	27
30	Innovations in Aquaculture Feeding Technologies	Webinar Academia Industry Interface	4-Nov-20	53

31	Self Employment/ Entrepreneurship opportunities in Goat Value Chain for Young Vets	Webinar	4-Nov-20	57
32	Vaccine Development: Challenges and opportunities for budding Veterinarians	Webinar	5-Nov-20	230
33	Relative contributions of the different sources of Toxoplasma gondii, a global important pathogen of major public health concern	Webinar	5-Nov-20	251
34	Entrepreneurial Skill Development for Dairy Graduates	Webinar	5-Nov-20	65
35	Diagnosis of Canine Cardiac Diseases: Practical Approach for Veterinary Graduates	Webinar	7-Nov-20	220
36	Reproduction Health Management in Camels: A guide for undergraduate students	Webinar	9-Nov-20	217
37	Relevance of Biochemistry in Veterinary Education and Research- A Perception and Application	Webinar	10-Nov-20	175
38	Shrimp Farming- Opportunities Unlimited	Academia-Industry Interface	10-Nov-20	51
39	Entrepreneurship Opportunities in Dairy Sector	Webinar	11-Nov-20	104
40	Pig Proliferates Prosperity- A Promising Entrepreneurial Venture for Youth	Webinar	11-Nov-20	162
41	Ticks: from Biology to diseases-A One Health Approach	Webinar International	11-Nov-20	137
42	Career Opportunities for Veterinary	Webinar	12-Nov-20	211

	Graduates in Pharmaceutical Industry			
43	How Genetic Variation helps us understand the Biology and Epidemiology of Foodborne Parasites: Trichinella	Webinar International	12-Nov-20	197
44	An Insight on Wildlife Management and Conservation for Environmental Sustainability	Webinar	16-Nov-20	195
45	Recent Technological Interventions in Shrimp Farming and Hatchery Manangement	Academia-Industry Interface	17-Nov-20	47
46	Herbal remedies: A New Era of Entrepreneurship in Veterinary Medicine	Webinar	17-Nov-20	347
47	Entrepreneurship Development through Meat Processing and Value Addition for Young Veterinarians	Webinar	18-Nov-20	347
48	Staphylococcus pseudintermedius in dog and humans: One health solution for bacterial infections	Webinar International	18-Nov-20	5
49	Big Data and Artificial Intelligence in Animal Genomics: Opportunity and Challenges	Webinar	19-Nov-20	368
50	One Health and Rabies Control in India	Webinar International	19-Nov-20	139
51	Entrepreneurship Opportunities in Fisheries	Video Documentary Competition	21-Nov-20	91
52	Fundamentals of Fracture Fixation in Small Animals: A Guide for Under-Graduate Students	Webinar	21-Nov-20	327

53	Entrepreneurship in Dairy Processing: Aspiring Skill of Present Century	Webinar	23-24 Nov-2020	113
54	Innovation and Entrepreneurship: A Promising Key for Self-Reliance Amongst Young Graduates	Webinar	23-Nov-20	325
55	Advocating Best Practices for the Management of Pain in Animals	Webinar	24-Nov-20	328
56	Antimicrobial resistance in imported foods and the role of the global food chain in the dissemination of AMR	Webinar International	25-Nov-20	42
57	A One Health case study: where the wild things are	Webinar International	26-Nov-20	87
58	Topographic Anatomy of Abdomen of Bovines in relation to Clinical interventions	Webinar	26-Nov-20	326
59	Ornamental Fisheries- Opportunities Unlimited	Webinar	26-Nov-20	82
60	Blood smear review-everything you would like to know	Webinar International	30-Nov-20	313
61	Entrepreneurship Opportunities in Egg Processing for Young Veterinarians	Webinar	1-Dec-20	282
62	Entrepreneurship Opportunities in Fish Processing Sector	Academia Interface	2-Dec-20	56
63	Interpretation of Common Laboratory Diagnostic Tests in Small Animal Practice: A Practical Approach	Webinar International	2-Dec-20	365
64	Farm to Fork approach and Quality & Food Safety Management System	Academia-Industry Interface	3-Dec-20	49
65	Management and Control Strategies	Webinar	3-Dec-20	298

	against Gastrointestinal Parasitism with Special Emphasis on its Economic Impact			
66	Sustainability of Dairy Business and Research Innovation through Development of Technologies and their transfer to Entrepreneurs	Webinar	5-Dec-20	100
67	Career Opportunities for Veterinary Graduates in Armed and Paramilitary Forces	Webinar	7-Dec-20	272
68	Online Management in Fisheries-Production to marketing/ export	Academia Interface	8-Dec-20	47
69	Fish protein based functional foods-Recent advances	Academia-Industry Interface	9-Dec-20	50
70	Strategies for International Business in Fish Processing Sector	Academia-Industry Interface	10-Dec-20	52
71	Personality Development Tips for Aspiring Dairy Graduates	Webinar	10-Dec-20	120
72	Advances in Fish Health Management	Webinar	14-Dec-20	63
73	Clinical Practices in Aquaculture	Webinar	15-Dec-20	60
74	Entrepreneurship Opportunities in Aquaclinics	Academia-Industry Interface	16-Dec-20	67
75	Career Opportunities for Fisheries Graduate	Webinar	17-Dec-20	115
76	Dairy Graduates and Milk Handling Skills	Webinar	16-Dec-20	94
77	The Magic of Effective Communication	Webinar	17-Dec-20	110

	Skills			
78	Inculcating Professional Skills in Dairy Graduates for Better Career Opportunities	Webinar	22-Dec-20	100
79	Advances in Oceanography and Marine Biology	Webinar	24-Dec-20	117
80	Impact of Climate change on Aquatic Ecosystem	Webinar	28-Dec-20	94
81	Scope of Entrepreneurship Development in Aquaculture and Fisheries	Webinar	29-Dec-20	95
82	Latest Tools and Technologies for Driving Leadership as a Dairy Entrepreneur	Webinar	29-Dec-20	272
83	Startup of Entrepreneurial Venture	Webinar	30-Dec-20	66
84	Environmental DNA (e-DNA)- A Molecular Tool for Assessment of Fisheries Resources	Webinar	31-Dec-20	88
85	Traditional Systems of Medicines (Ethnoveterinary & Veterinary Ayurveda)	Webinar	5-Jan-21	295
86	Glycosaminoglycan Interactions with Virus Envelope Proteins	Webinar International	6-Jan-21	346
87	Personality Traits for a Successful Dairy Entrepreneur	Webinar	7-Jan-21	80
88	Redefining Self to attain Prosperity and Happiness	Webinar	11-Jan-21	325
89	Cows Create Career- Buffalos Build Business	Academia-Industry Interface	12-Jan-21	289

90	Basic ICT Tools	Webinar	13-Jan-21	80
91	New Dimesions in Food Safety and Public Health: Role of National and International Organizations	Webinar	13-Jan-21	296
92	Employment opportunities in poultry disease diagnosis for young veterinarians	Webinar	18-Jan-21	264
93	Skills for Development and Marketing of Novel Foods in Dairy Sector	Webinar	19-Jan-21	46
94	Managing Online Academic Stratrgies	Webinar	21-Jan-21	280
95	Time Management for achieving goals	Webinar	23-Jan-21	77
96	Dairy Entrepreneurship - A journey back to roots	Webinar	25-Jan-21	277
97	Daignosis and Management of Protozoan Parasitic Diseases of Economic Importance of Livestock	Webinar	27-Jan-21	297
98	Impact of COVID-19 on Dairy Sector of India	Webinar	28-Jan-21	89
99	Intradermal Rabies Vaccination with Local Wound infiltration of Rabies Immunoglobulins; A lifesaving Protocol in Domestic Bovine	Webinar	16-Feb-21	209
100	Database Management System	Webinar	18-Feb-21	66
101	Effective Interview Skills – in a competitive job market	Webinar	25-Feb-21	51
102	Importance of Rheology in the Food Processing	Webinar	25-Feb-21	47
103	How to be an organized Student	Webinar	8 April-21	
104	Veterinarians response to COVID -19 crisis	Webinar	21 April -21	120

105	Role of animals in the origin and transmission of SARS-COV-2	Webinar	24 April -21	172
106	Importance of hunting coronavirus carrier animals	Webinar	25 April -21	161

S.No.	Title of Activity	Category	Date	No. of participants
1	On Line Training on “Diagnostic Cytology”	Training	19-23 October, 2020	41
2	On Line Training on “Biopsy Interpretation”	Training	26-30 October, 2020	24
3	Post Mortem Examination of Animals	Training	02-06 November, 2020	30
4	On Line Training on “Rabies Diagnosis”	Training	9-13 November, 2020	25
5	On Line Training on “Poultry Diseases”	Training	16-20 November, 2020	10
6	On Line Training on “Molecular Techniques in Pathology”	Training	30 Nov- 4 Dec, 2020	12
7	Personality Development	Training	14-16 January 2021	142
8	“Igniting Young Minds for sustainable Growth through Entrepreneurship and Skill Development: A Vet’s Vision	Conference	1-5 March 2021	350

Plan ahead for 2021-22

- Skill Development for students
 - ✓ Student Entrepreneurship trainings
 - ✓ Student's skill Development Programmes
 - ✓ 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
- E-books and Journals purchase for University library
- Linkages with industries

- ✓ Industry experts/faculty for workshops and lectures
- ✓ Industry-Academia interface
- ✓ MoUs and technology transfers

1. Output-Outcome Monitoring

S.No.	Particulars	April'20 to March'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 (IIC-Industry Institution Interaction Cell / Start up cell / incubation cell / experiential learning unit / placement cell etc.)	13	13 (100% achieved)	<ul style="list-style-type: none"> • Smart classrooms units (13) have been installed and made operative
2.	Number of pilot courses added / upgraded on communication skills, entrepreneurial skills, information processing, creative and innovative thinking, leadership	07	07 (100% achieved)	<ul style="list-style-type: none"> • Pilot course on Advance Clinical Training • Certificate Course on Small Animal Anaesthesia • Certificate Course

	skills, industry-oriented courses etc.			<p>on Veterinary Diagnostic Imaging</p> <ul style="list-style-type: none"> • Short course on Veterinary Diagnostic Imaging • Post Graduate Diploma on One health (Distance Learning Programme) • Post Graduate Diploma on Small animal clinical practice • Post Graduate Diploma in Equine Clinical Practice
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	7,39,050	<ul style="list-style-type: none"> • Pilot course on advanced clinical training • Short course on Veterinary Diagnostic Imaging • Post graduate Diploma: One Health Distance Learning Programme • Post Graduate

				diploma: Small Animal Clinical Practice
5.	Number of MoUs signed with industry for knowledge exchange programs/ internships / short term training programs etc.	06	06 (300% achieved)	<ul style="list-style-type: none"> • Technical Collaboration with Food Sense • Technical Collaboration with Cargill • Technical Collaboration with Markfed • Technical Collaboration with BCL Industries Limited, Bathinda • Research Collaboration with Guru Nanak Dev Engineering College Ludhiana • Research Collaboration with ICAR- Central Institute of Post-Harvest Engineering and Technology (ICAR-CIPHET), Ludhiana
6.	Improved AU revenue generation (% change in internal revenue of AU)	0	97.15%	<ul style="list-style-type: none"> • As per the approved DPR and sanction, for 2020-21, improved AU revenue generation is nil but the center has achieved an increase

				% of 97.15.
7.	No. of International trainings undertaken by faculties under IDP comp	0	0	NA
8.	Number of national trainings undertaken by faculties under IDP comp	0	0	NA
9.	No. of International trainings undertaken by students under IDP comp	0	0	NA
10.	Number of national trainings undertaken by students under IDP comp	0	0	NA
11.	No. of direct beneficiaries of the project	1000	14,477	100 % of plan/target was achieved, however during period of lockdown, some of activities were stalled.
12.	No. of female beneficiaries out of total direct beneficiaries	-	6,176	--

2. Input and Activity Monitoring

Input/Activity Indicator	Sub Head/category	Expenditure/ input in INR lakhs		Justification
		Planned	Utilized	
Goods and Equipments	Equipment, Plant & Machinery	Nil	Nil	
	Office	16.17500	16.15996	Photocopier machine with at

	equipment			least 2 trays and 30 PPM (4): To facilitate office works and examination related works in the institute and to develop the office infrastructure of IDP cell
	Laboratory equipment	121.07368	101.79231	<p>1. Online UPS 6 KVA with 65 AH x 16 no.s of batteries rack with installation; One-year onsite warranty with 3 hours back up (5): Development of smart classrooms for strengthening academic programmes for improved learning outcome</p> <p>2. Hostel facilities includes Washing machines for hostels (30), Treadmill Heavy Duty (3), Cross Trainer (3), Spin bike (3), Multi Gym (3), Twister (3), Functional trainer (3), Weights 600 kg (4), Bench flat (9), Dumble rack (3), Rods (12), Flooring mats (3), Gym Ball (6): To strengthen basic students' amenities at hostels</p> <p>3. CCTV Camera Assembly: For improved social security at university campus</p>
	Furniture & fixtures	52.00050	51.16508	<p>1. Lab-module including accessories and worktop – 10*2.5 feet (10), Lab-module including accessories and worktop – 10*5 feet (10), Top Unit (10): For teaching purpose</p> <p>2. Personal locker for 18 students main unit (6 door plus) Add on personal locker unit (PLU) (6 door) Stand for 3 lockers- 1830x380x450: For</p>

				safety and convenience of students 3. Steel almirah (20): For keeping office/student related records 4. 4 door book case-1742x914x320 (20): For keeping books in library
	Computers and Peripherals	2.22500	-	
	Books and Journals	Nil	Nil	
Civil works	Minor repair and renovation work	165.00	156.46866	
Human capacity building	National level training	Nil	Nil	
	International level training	40.00	Nil	Not undertaken due to COVID-19
	Short visit/seminars	8.00	0.0	Not undertaken due to COVID-19
	Meetings and workshops	4.14387	0.34000	Honorarium paid
Consultancy	National level consultancies	Nil	Nil	
Recurrent cost / Miscellaneous	Travel	2.00013	0.65740	Revised Petrol and Diesel coupons
	Contractual services	72.20678	59.89383	Salary of Contractual Staff under IDP
	Operational costs	146.31	48.16513	For Contingency (Stationary, Consumables, Advertisement, Printing, Documentation, Hospitality, Vehicle hiring)
	Institutional charges	10.89	10.89	For partial payment of university electricity bills and Audit fee for FY 2019-20
Total		640.02496	445.53237	

3. Case studies/ success stories

Major category: Media coverage of project activities and achievements

- a. Print/Press release
- b. IDP sponsored National e-conference at Vet Varsity



ਵੈਟਨਰੀ ਯੂਨੀਵਰਸਿਟੀ ਵਿਖੇ ਸ਼ੁਰੂ ਹੋਈ ਕੌਮੀ ਈ-ਕਾਨਫਰੰਸ



ਲੁਧਿਆਣਾ 2 ਮਾਰਚ (ਰਾਮ ਰਾਜਪੁਤ)- ਗੁਰੂ ਅੰਗਦ ਦੇਵ ਵੈਟਨਰੀ ਅਤੇ ਐਨੀਮਲ ਸਾਇੰਸਜ਼ ਯੂਨੀਵਰਸਿਟੀ, ਲੁਧਿਆਣਾ ਦੇ ਸੰਸਥਾ ਵਿਕਾਸ ਯੋਜਨਾ ਸੈਲ ਵੱਲੋਂ ਇਕ ਪੰਜ ਦਿਨਾ ਦੀ ਕੌਮੀ ਈ-ਕਾਨਫਰੰਸ ਦਾ ਆਰੰਭ ਕੀਤਾ ਗਿਆ। ਇਸ ਦਾ ਵਿਸ਼ਾ ਹੈ ਉਦਮੀਪਨ ਅਤੇ ਕੌਸ਼ਲ ਵਿਕਾਸ ਰਾਹੀਂ ਨਿਰੰਤਰ ਵਿਕਾਸ ਲਈ ਯੁਵਾ ਮਨ ਨੂੰ ਅੰਦੋਲਿਤ ਕਰਨਾ। ਇਕ ਵੈਟਨਰੀ ਡਾਕਟਰ ਦੇ ਨਜ਼ਰੀਏ ਤੋਂ ਇਸ ਕਾਨਫਰੰਸ ਦਾ ਉਦਘਾਟਨ ਡਾ. ਆਰ ਸੀ ਅਗਰਵਾਲ, ਉਪ-ਮਹਾਂਨਿਰਦੇਸ਼ਕ ਭਾਰਤੀ ਖੇਤੀ ਖੋਜ ਪਰਿਸ਼ਦ ਨੇ ਕੀਤਾ। ਵੈਟਨਰੀ ਯੂਨੀਵਰਸਿਟੀ ਵਿਖੇ ਸੰਸਥਾ ਵਿਕਾਸ ਯੋਜਨਾ ਦੇ ਮੁੱਖ ਨਿਰੀਖਕ ਅਤੇ ਪ੍ਰਬੰਧਕੀ ਚੇਅਰਮੈਨ, ਡਾ. ਸਰਵਪ੍ਰੀਤ ਸਿੰਘ ਘੁਮਣ ਨੇ

ਸਾਰੀਆਂ ਸ਼ਖਸੀਅਤਾਂ ਨੂੰ ਜੀ ਆਇਆਂ ਕਿਹਾ ਅਤੇ ਇਸ ਯੋਜਨਾ ਤਹਿਤ ਕੀਤੀਆਂ ਜਾ ਰਹੀਆਂ ਗਤੀਵਿਧੀਆਂ ਬਾਰੇ ਚਾਨਣਾ ਪਾਇਆ ਉਨ੍ਹਾਂ ਨੇ ਅਗਲੇ ਪੰਜ ਦਿਨਾਂ ਵਿਚ ਹੋਣ ਵਾਲੀਆਂ ਗਤੀਵਿਧੀਆਂ ਦਾ ਵੇਰਵਾ ਦਿੱਤਾ ਅਤੇ ਕਿਹਾ ਕਿ ਸਾਡਾ ਮੁੱਢਲਾ ਯਤਨ ਇਸ ਗੱਲ ਦਾ ਹੈ ਕਿ ਬੀ ਵੀ ਐਸ ਸੀ ਦੇ ਹਰੇਕ ਵਰ੍ਹੇ ਦੇ ਵੱਧ ਤੋਂ ਵੱਧ ਵਿਦਿਆਰਥੀ ਸਾਰੇ ਮੁਲਕ ਵਿਚੋਂ ਇਸ ਵਿਚ ਭਾਗ ਲੈਣ ਉਨ੍ਹਾਂ ਦੱਸਿਆ ਕਿ ਜਿਥੇ ਸਵਾਲਾਂ ਜਵਾਬਾਂ ਦੇ ਸੈਸ਼ਨ ਕਵਿਜ਼ ਮੁਕਾਬਲਿਆਂ ਦੇ ਰੂਪ ਵਿਚ ਕਰਵਾਏ ਜਾਣਗੇ ਉਥੇ ਪੋਸਟਰ ਪੇਸ਼ਕਾਰੀ ਅਤੇ ਮਾਹਿਰ ਤਕਨੀਕੀ ਸੈਸ਼ਨ ਵੀ ਕੀਤੇ ਜਾਣਗੇ ਜਿਨ੍ਹਾਂ ਵਿਚ ਪੋਸਟ ਗ੍ਰੈਜੂਏਟ ਵਿਦਿਆਰਥੀ ਅਤੇ ਅਧਿਆਪਕ ਵੀ ਸ਼ਮੂਲੀਅਤ ਕਰ ਸਕਦੇ ਹਨ।



Institutional Development Plan (IDP) Cell, Guru Angad Dev Veterinary and Animal Sciences University (GADVASU), Ludhiana is organizing a five days National e-conference on “Igniting Young Minds for sustainable growth through entrepreneurship and skill development: A Vets’ vision”. Dr. R.C Agrawal, DDG (Edu.) and National Director, NAHEP-ICAR was the Chief Guest for the inaugural session of this conference. Dr. Sarvpreet Singh Ghuman, Principal Investigator of IDP at GADVASU and Organizing Chairman of the conference welcomed the dignitaries and briefed them about various activities being undertaken under umbrella of IDP. He also presented the detail of events to be held in coming 5 days and stressed that all events have been planned considering maximum participation from B.V.Sc. & A.H. students from all the professional years across the nation. He informed that conference encompasses events like quiz sessions (Vet Intellects, Smart Mind Vets and Vet-o-Holics), Poster presentations (e-canvas spills) for UG, PG and faculty members and expert technical sessions (Brain Manthan).



Dr. Inderjeet Singh, Vice Chancellor, GADVASU appreciated the efforts of IDP team for arranging such event. He informed the audience that a number of activities are being undertaken regularly by GADVASU for holistic development of students rather than just academic upgradation. New facilities are created like smart class rooms and advanced computer labs, in addition to installation of CCTV cameras in and around campus to ensure that all the students and faculty members feel safe and secure during off hours. On this occasion, a dedicated website

for IDP, GADVASU was launched by Dr. R C Agrawal, National Director, NAHEP. Along with that, four orientation booklets and Internship pack were released by Vice Chancellor for ready reference of students, particularly newly admitted ones.



Dr. P Ramasundaram, National Coordinator, IDP complemented efforts of GADVASU in implantation of the project and suggested some activities that can also be targeted with conviction. Dr. R. C Agarwal had words of praise for university for outshining in all spheres. He

applauded the zeal and meticulous planning of university in arranging varied events for undergraduate students in IDP project. He suggested that changes in academic structure is need of the hour as per New Education Policy and university should try to motivate students for educational excellence rather than academic excellence. The event concluded with vote of thanks by Dr Ramneek, Dean College of Dairy Science and Technology, GADVASU Ludhiana.

4. Photographs of activities: Attached in the last.

During this period (April 2020 to March 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 online test series, poster competitions and quiz etc.



N HEP



Institutional Development Plan (IDP) Cell
Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana

WORLD WATER DAY
22ND MARCH



Organizes
e-Poster Contest
on
World Water Day

Chief Patron
Dr. Inderjeet Singh
Hon'ble Vice Chancellor, GADVASU

Patron
Dr. S.P.S. Ghuman
PI- IDP & Dean, COVS, Ludhiana

Organizing Secretaries
Dr. Nirbhay K. Singh
Dr. Devendra Pathak

on the theme
“Valuing Water: Judicious
& Efficient Use”

Guidelines for Participation:

- All students (UG, PG & Diploma) of GADVASU, Ludhiana can participate in the following two categories.
 1. E-poster: e-poster to be submitted in the format (PDF/JPG) generated from single PowerPoint slide (size 100x70 cm)
 2. Drawing/painting: The soft copy of drawing/painting on canvas or paper can be submitted as PDF/JPG file.
- Posters should be based on original ideas.
- **No entry fees.**



Winners will be awarded Merit Certificate
All participants will be awarded Participation Certificate

Submit your entries to idpgadvasuconferences@gmail.com
by 20th March 2021

Webinars for students and faculty

Recording You are viewing Nand Mahajan's screen View Options

Challenges before poultry sector in the wake of ongoing Covid-19 pandemic

Prof. N .K.Mahajan
Retd. Dean PGS & Codst ,
Prof . & Head ,VPHE, LUVAS

Dr. Sajid Hussain
Dr. Tajeshwar Pr...
Kamini Barkatki
Nand Mahajan
Dr. Manish Chatti
Gg Barley
Dr. Rafiqul Islam

Recording Speaker View Exit Full Screen

Dr. Tajeshwar Pr...
Dr. Sajid Hussain
Kamini Barkatki
Nand Mahajan
Dr. Manish Chatti
DR YASHPAL SI...
Raja Rajpreet Si...
Daljeet Kaur
Gg Barley
Dr Mihir Sarma
Purneet
Harneet Kour
nityapunni
Nishtha Abrol
Srinathi Siliveru
Harpreet Kaur
Yuvraj Singh
Antarpreet Singh
Manmeet singh (L-2019-...
Karanjot Singh Balowian
Yuvraj Singh
Deepika Jamadar
Dr Ravi Kant
Manjot palyal
saksham

Unmute Start Video Participants 100 Chat Share Screen Record Reactions Leave

Recording... You are viewing Benjamin Rosenthal's screen View Options

Speaker View Exit Full Screen

How genetic variation helps us understand the biology and epidemiology of foodborne parasites

Lessons from the emerging field of genomics:
Trichinella
Benjamin M. Rosenthal
USDA- Agricultural Research Center

Unmute Start Video Security Participants Polls Chat Share Screen Pause/Stop Recording Reactions End

Recording... Speaker View Exit Full Screen

Vanshdeep Bhul...
GADVASU
Benjamin Rosent...
Kanika(L-2016-...
Rajnish Sharma
Harjot Mundi
Dharun L-2017-...

Ritesh Tandon GADVASU, Ludhiana Dr Gurpreet Kaur Rahul Singh Lovepreet singh...
Deepti Narang L 2017 V 41 B Jagmohan... Jaskaran Chauhan Kavisha L-2016-... mudichandra
Pritham Prateek... N J harkomal kaur R
Nabeel Jashn Girotra L 2019 V 38... Reet Gill (L-2018-V-61-8)
Bhanu Singla L-... P Jaiteg Grewal L-... Manjot PalyalL-...
ADITYA BANSAL A Navodita L-2017-V-60-B Balraj Singh Jassi SHRISHTI Ankur Mangat (...)

Unmute Start Video Security Participants Polls Chat Share Screen Pause/Stop Recording Reactions End

Success Stories-Entrepreneurship



GADVASU hand sanitizer for fighting against corona

- During the COVID-19 crisis, a novel initiative by University to developed cost effective hand sanitizer with high potency and affordable for public
- Various batches of B.V.Sc. & A.H. internship students of College of Veterinary Science, Ludhiana were trained for the formulation and development of this hand sanitizer
- This sanitizer is being used in Veterinary Clinics, Farms and Offices of the university



Tree plantation drive at GADVASU for environmental sustainability

Chief Patron
Dr. Inderjeet Singh
Hon'ble Vice Chancellor

Organizing Secretary
Dr. P S Brar

Coordinators:
Dr. Devendra Pathak
Dr. Nitin Mehta

<https://bit.ly/2PPokF0>

NOHEP

ICAR

Guru Angad Dev Veterinary and Animal Science University Ludhiana

IDP Cell, GADVASU Ludhiana organizes

Online Orientation of UG students For Competitive examinations

1 Each week one full fledged simulation test

2 Separate groups for Veterinary and Animal Science

3 Same day evaluation

<https://bit.ly/jrf2020>

Chief Patron
Dr. Inderjeet Singh
Hon'ble Vice Chancellor

Organizing Secretary
Dr. P S Brar

Coordinators:
Dr. Devendra Pathak
Dr. Nitin Mehta

NOHEP

ICAR

IDP Cell, GADVASU Ludhiana organizes

Online Simulation Tests

For ICAR PG entrance-cum-JRF examination

Online simulation test series and orientation for UG students



Photocopier Machine



Personal Locker



Online UPS



Lab Module

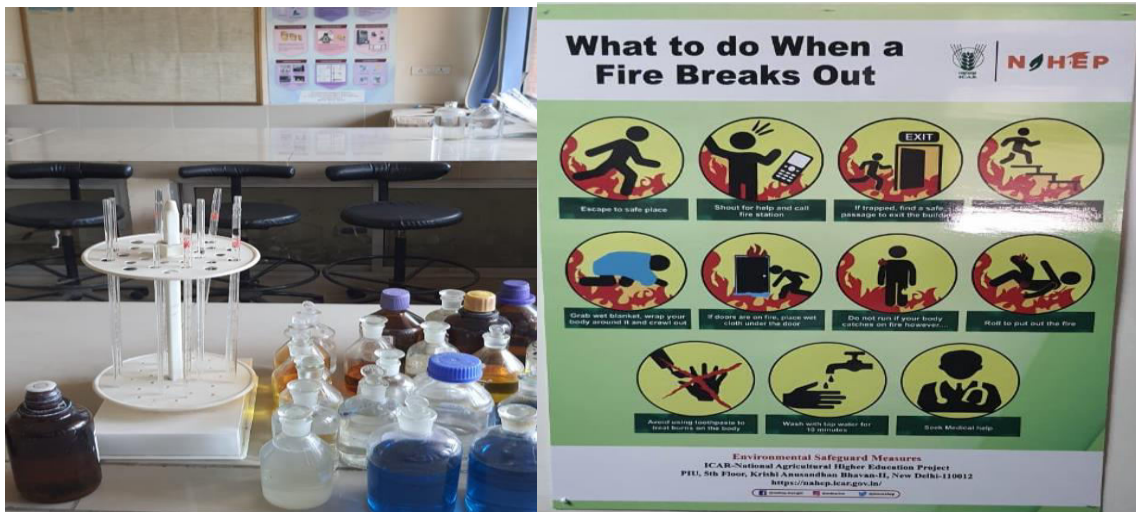
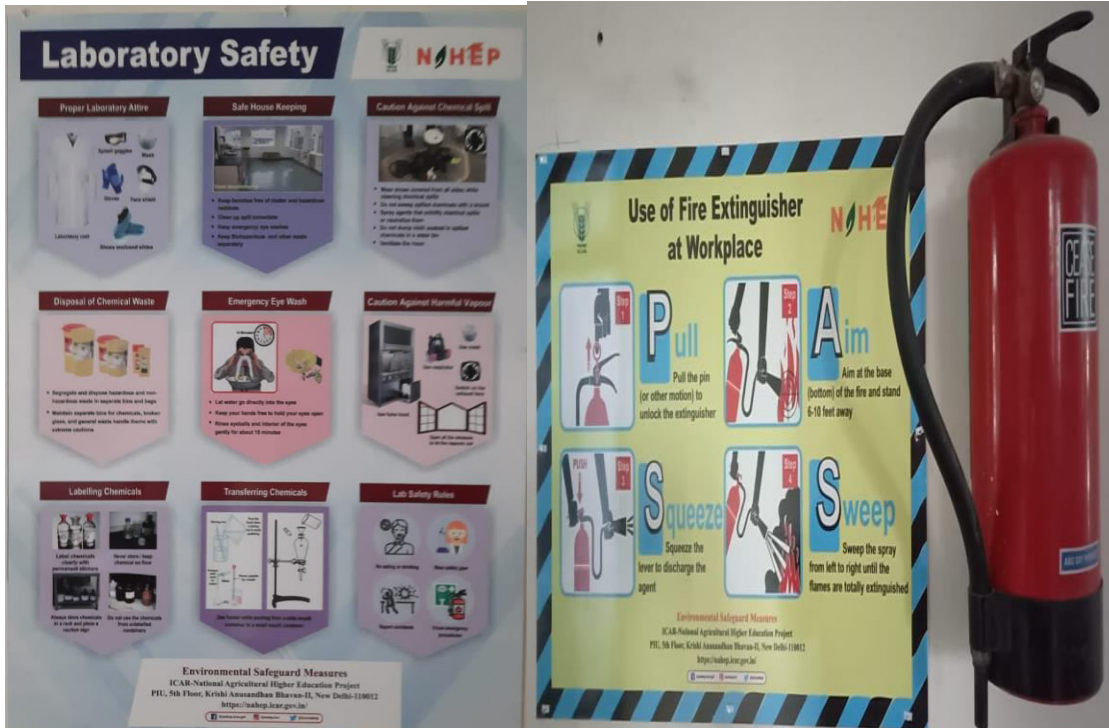


Book Shelf



Almirah

GOOD LABORATORY PRACTICES



SIGNAGES



Publications



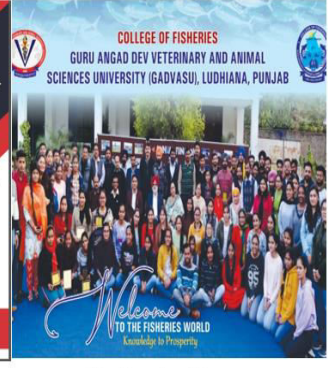
Veterinary Orientation Guide



Orientation Handbook: College of Dairy Science & Technology



Veterinary Internship: An Orientation Pack



Orientation Handbook: College of Fisheries

