



COLLEGE OF DAIRY SCIENCE & TECHNOLOGY

SELF-STUDY REPORT 2021

Published By

LALA LAJPAT RAI UNIVERSITY OF
VETERINARY AND ANIMAL SCIENCES

Hisar, Haryana-125004

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6.4. Self-Study Report for the Programme

6.4.1. Brief History of the Degree Programme

College of Dairy Science and Technology (CoDST) is a constituent college of Lala Lajpat Rai University of Veterinary and Animal Sciences (LUVAS), Hisar. It was established in the year 2014 with a vision to strengthen the dairy production and processing sector in the state of Haryana. The primary mission of college is to develop highly professional dairy specialists through value-based education, research, and dairy technology training to meet technological and societal needs. To accomplish this mission following objectives have been set:

- To organize teaching programmes at undergraduate and postgraduate levels in dairy science and technology for human resource development for the dairy sector.
- To undertake research in new area of milk processing technologies.
- To organize training programmes, consultancy services and formulate package of practices in the area of milk processing technologies to disseminate scientific knowledge to the end-user.

From the academic year 2016-17, college has started 4-year graduate programme offering Bachelor of Technology (B. Tech.) in Dairy Technology with the course curriculum prepared by considering the recommendations of Indian Council of Agricultural Research (ICAR), New Delhi. The college has a capacity to admit 26 students of Haryana who are selected based on the entrance test for students who have completed 10+2 with Physics, Chemistry and Mathematics. Presently, 87 students are being taught in different batches of B.Tech. (DT) degree programme.

The college is being run in the building of the Department of Livestock Product Technology, College of Veterinary Sciences, LUVAS. The construction of college building is in full swing at the new university campus of LUVAS. The new building of CoDST was likely to be completed by start of academic year 2020-21. Due to COVID-19 situation, the building completion work was delayed and is expected to be completed within six months.

6.4.2. Faculty strength:

The appointment of all the faculty members working in the college is permanent in nature. There are no part-time faculty / guest faculty/ contractual faculty/ extension staff/ research staff hired to complete the curriculum. Following are details in tabulated form:

Designation	Sanctioned faculty	Faculty in place	Vacant position against sanctioned position	Faculty recommended by the ICAR/ UGC/ VCI/ other regulatory bodies
Dean	1	1	1	1
Professor	3	1	2	5
Associate Professor	5	0	5	10

Assistant Professor	17	10	7	20
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Note: In near future, other teaching posts of CoDST are going to be advertised and are likely to be filled up within 4-6 months.

6.4.3. Technical and Supporting Staff:

Sanctioned staff	Staff in place	Vacant position
Administrative (AAO)	1	0
Ministerial (PA, Assistant, Clerk, JSS, Comp. Operator, Asstt. Manager, Dairy Supervisor)	23	12
Technical	14	6
Supporting	9	9

6.4.4. Classrooms and laboratories: Mention the number of classrooms and function laboratories available for the degree program and justify if it is sufficient to meet the course curriculum requirement list major equipment, laboratories, farm facilities, workshops and other instructional units being utilized for the award of the degree program may be given. Mention theory and practical batches for the degree program.

In college of Dairy Science and Technology, the number of seminar rooms, theory classrooms, and laboratories will be as follows:

Detail about	Total
Seminar Room	1
Classroom Theory	4
Laboratory for Practical	5

Details of the list of equipment's/ workshop's facilities/ instruments available at CoDST:

S. No.	Name of lab	Name of the equipment	Year of installation	Quantity
1.	Dairy Technology Lab-I	Rheometer	2020	01
2.		Oven Toaster Griller	2019	01
3.		Microwave Oven	2019	01
4.		Tray dryer	2017	01
5.		Homogenizer	2019	01

6.		Juicer Mixer Grinder	2019	01
7.	Dairy Technology Lab-II	Spray Dyer	2020	01
8.		Glass water distillation unit	2021	01
9.		Cream separator	2021	01
10.		Desiccator	2021	01
11.		Digital pH meter	2021	01
12.		Water bath with Temp Controller	2021	01
13.		Gerber Centrifuge with electrically operated	2021	01
14.		Thermometer (0-50 °C) Alcohol	2021	04
15.		Thermometer (0-110 °C) Alcohol	2021	04
16.		Thermometer (0-250 °C) Mercury	2021	04
17.		Digital pH meter (Portable)	2021	01
18.		Hand Refractometer (0-32 %)	2021	01
19.		Hand Refractometer (28-62 %)	2021	01
20.		Hand Refractometer (58-92%)	2021	01
21.		Deep Freezer (-20 °C, 245L)	2021	01
22.		Refrigerator (Double Door 350L)	2021	01
23.		Heating Mantle (1L)	2021	01
24.		Hot Plate with thermostat controller 8" diameter	2021	01
25.		Magnetic Stirrer with Heating (2L)	2021	01
26.		Weighing scale-1 mg to 300 gm	2021	01
27.		Weighing scale-500 mg to 15 Kg	2021	01
28.		Packet Sealing Machine Manual	2021	01
29.		Spirit Lamp Aluminum	2021	05
30.		Milk testing kit (Milk, skim milk, cream, butter, cheese)	2021	01 set
31.		Ghee BR meter	2021	01
32.		Spray Dyer	2020	01
33.		Glass water distillation unit	2021	01
34.		Cream separator	2021	01
35.		Dairy Microbiology Lab	Fermenter	2016
36.	Autoclave		2016	1
37.	Compound microscope		2016	1

38.		Laminar flow	2016	1
39.	Dairy Chemistry	Tray dryer	2017	1
40.		Muffle furnace	2016	1
41.	Dairy engineering Lab	Angle Grinder	2017	1
42.		Jigsaw	2017	1
43.		Hand-held circular saw	2017	1
44.		Impact drill	2017	1
45.		Drawing Board with Stand	2017	30
46.		Height Adjustable Stool	2017	30
47.		2 stroke engine petrol cut section model	2017	1
48.		4 stroke engine diesel cut section model	2017	1
49.		4 stroke engine petrol cut section model	2017	1
50.		Lubrication system cut section model	2017	1
51.		Fuel supply system of a petrol engine carburetor type	2017	1
52.		Fuel supply system of a diesel engine	2017	1
53.		Water cooling system of an I.C. engine	2017	1
54.		Biogas plant model	2017	1
55.		Cut section model of Lancashire Boiler	2017	1
56.		Cut section model of Cochran Boiler	2017	1
57.		Cut section model of Locomotive Boiler	2017	1
58.		Cut section model of Babcock and Wilcox Boiler	2017	1
59.		Sectional models of boiler accessories and mountings	2017	1
60.		Multifunction meter (to monitor & display V,I,KW,KVA,KVAR,F,Cos ϕ)	2017	2
61.		Digital Frequency meter (0-55 Hz)	2017	2
62.		Digital Ammeter (0-10A)	2017	2
63.		Digital Voltmeter (0-500V)	2017	2
64.		Digital Wattmeter (0-1000Watt)	2017	2
65.		Digital Stop Watch	2017	2

66.		Digital Tachometer (Non-Contact type)	2017	2
67.		Digital clamp-on meter	2017	2
68.		Digital Energy meter	2017	2
69.		Soldering & De-soldering Station	2017	1
70.		Experimental setup for study the connection / Measurement of Voltage and Current, Energy Meter and Consumer Unit, MCB Wiring, Tube Light Wiring, Two-way switch wiring, Short Circuit Fault, Switchboard Ceiling Fan, Series & Parallel Operation on Load	2017	1
71.		Lux meter	2017	1
72.		Single phase dimmer stat (VARIAC)	2017	1
73.		Three phase dimmer stat (VARIAC)	2017	1

The yearly intake of students in the College of Dairy Science and Technology for B.Tech. degree programme is 26. Since the number of students is manageable therefore, the classes for B.Tech. (Dairy Technology) are held in a single batch. While the students perform the practical classes in a batch of five.

6.4.5. Conduct of practical and Hands-on-training: It is important to have a sound grasp of the theory that underlies any professional degree. But there are some skills that can only be learned through hands-on -practice. It is important that much of the learning material in any given course should be provided in a way that allows students to get as involved as possible to increase their knowledge and abilities. Clearly mention how far students are getting desired practical and hands-on-training as per the curriculum and meeting above mentioned requirements.

The college aims to provide the best laboratory facilities in the country for teaching and conducting practical classes for undergraduate and post-graduate students of Dairy Science and Technology.

- All laboratories are equipped with advanced and modern analytical instruments. As per the requirements of course curricula, practical classes are conducted in designated laboratories of the college in each department.
- Besides teaching and research laboratories, the college is also having an Experimental Dairy Plant of 2KLPH milk handling capacity which is working on 365 days basis.
- As per the individual course requirements, some of the practical classes and hand-on-training of undergraduate students are also conducted in the Experimental Dairy Plant.

- There are five sections in the Experimental Dairy Plant viz., liquid milk processing and packaging section, dairy products manufacturing and packaging section, Traditional dairy products section, Frozen dairy products section, Fermented dairy products, and engineering section.
- Besides pasteurized milk, a number of dairy products viz., *cream, butter, ghee, paneer, dahi, lassi, khoa, milk cake, peda*, mozzarella cheese, ice cream, whey drink etc. are manufactured in the experimental dairy plant on regular basis, wherein students are getting hands-on-training.
- Moreover, college is also having its locational advantage of being adjacent to the VITA Milk Chilling Centre. To show the students the primary processing, we take them to VITA milk chilling centre as and when required.

6.4.7. Feedback of stakeholders (Students, parents, industries, employers, farmers etc.): Mention the feedback mechanism (duly supported by the documents) from different stakeholders of the degree programme. What action the University has taken in last five years to address the issues raised in the feedback?

Feedback of Stakeholders:

Progressive farmers routinely visit CoDST, LUVAS, Hisar for updating their knowledge about dairy processing. All the queries raised by them are answered and solved by the faculty members from time to time. Many of them have appreciated the facilities, equipment, and machinery at the college and have shown desire for training on dairy processing.



Dairy Farmers Visited CoDST, LUVAS on 21/03/2021

The college administration also received feedback from the farmers regarding project titled, “Milk Processing Demonstration cum Exhibition Van (*Doodh Ki Chakki*)” (whose main aim is to demonstrate as well as process the milk at the door step of farmers). The *Sarpanch* of village Riwasa in Mahendragarh district appreciated the contribution of *Doodh Ki Chakki* in increasing the awareness about the dairy processing (Annexure IA). Buoyed by the tremendous response of farmers towards *Doodh Ki Chakki*, a request was also obtained from Sh. Ram Bilas Sharma, former Cabinet Minister for installation of a new milk processing plant in Riwasa, Mahendragarh (Annexure IB). for which the request has been placed to the government for providing funds. For the guidance of farmers one faculty from CoDST has been transferred to Mahendragarh.



A Lateral View of Milk Processing Demonstration cum Exhibition Van (*Doodh Ki Chakki*)



Demonstration of Dairy Processing to Farmers in *Doodh ki Chakki*

The college also organised ICAR Short Course on “Role of Hygiene in Food Safety and Quality Control” from 9th to 18th September, 2019 in which faculty members from various SAUs participated. The feedback from the participants has been attached herewith. The overall opinion of the participants about the training program was rated as excellent (Annexure – II).

ICAR Short Course
On
Role of Hygiene in Food Safety and Quality Control
9th September to 18th September 2019



First Row (from left to right): Dr. D.P. Sharma (Dean, CoDST, LUVAS), Dr. Gurdial Singh (Vice-Chancellor, LUVAS), and Dr. Sharanagouda B. (Course Director)

Second Row (from left to right): Mr. Kadape Beleshwar Babasaheb, Ms. Swapna Balu Gaikwad, Ms. Ashwini Ashok Chothe, Dr. Indu Panchal (Course Coordinator), Dr. Anju Kumari, Dr. Rekha Dahiya, Dr. Suman Bishnoi, Dr. Neha Thakur, Dr. Dnyaneshwar Devrao Patange, Dr. Kushal Kumar Sandey, Mr. Yogesh Nana Patil, Dr. Yogender Singh Yadav, Dr. Sumit Mahajan (Course Coordinator), Dr. Edukondalu Lingathoti, and Dr. Pushkraj Jaywantrao Sawant

Apart from above feedback mechanisms, verbal feedback is also taken from farmers during trainings organized under RKVY project titled, “Skill development and training for SC/ST women, small & marginal farmers and other weaker segments of the society”. All the questions and queries raised by the farmers are answered satisfactorily on the spot.



Skill Development Training on “Milk Processing and Value Addition” held from 27.12.2018 to 31.12.2018 at Village – Thaska, District – Hisar (Haryana)



Skill Development Training on “Milk Processing and Value Addition” held from 11.01.2019 to 16.01.2019 at Village – Palri Panihara, District – Mahendergarh (Haryana)



Skill Development Training on “Milk Processing and Value Addition” held from 12.03.2019 to 16.03.2019 at Village – Kharia, District – Hisar (Haryana)



Skill Development Training on “Milk Processing and Value Addition” held from 22.03.2019 to 26.03.2019 at Village – Dhandoor, District – Hisar (Haryana)

Further, students also contact dairy farmers during READY-1 and take their feedback in the form of data collection about different aspects of dairy farming e.g., market access, price received, breeding facilities, extension facilities etc.



Data Collection from Farmers by Students During READY-I

Action taken in last five years to address the issues raised in feedback

- As mentioned above, a request was obtained from Sh. Ram Bilas Sharma, former Cabinet Minister for installation of a new milk processing plant in Riwasa, Mahendragarh. In response to the request, the college has submitted one project titled “Setting up of Milk Processing Unit at Haryana Pashu Vigyan Kendra, Mahendragarh (Haryana) under RKVY-RAFTAAR. Apart from submitting proposal, a request has also been placed to the government for providing funds (Annexure III).
- Further, to curb the menace of adulteration, a project titled, “Establishment of Milk and Milk Product Testing Laboratory” has also been submitted under RKVY-RAFTAAR for food testing which will be beneficial for consumers, producers, and processors.
- Also, the findings of READY-I programme suggested difference in prices and services received by the farmers from the cooperatives and to study the same, a research project titled, “A Comparative Study of Dairy Farmers Supplying Milk to VITA and AMUL in Haryana” has been submitted to ICSSR, New Delhi so as to look into the issue and suggest possible solutions to the different stakeholders.
- In addition, all the questions and queries raised by the farmers, trainees, stakeholders and trainees belonging to SC/ST are answered and solved by the faculty of the college.

6.4.8. Student Intake and Attrition in the programme for the last five years:

The sanctioned strength for intake in the B.Tech. (Dairy Technology) degree programme has been 26 each year since the inception of the degree programme in year 2016.

Self-Study Report of College of Dairy Sci. & Tech.

Name of Degree Programme	Actual Students admitted in the last five years					Attrition (%)				
	2016-	2017-	2018-	2019-	2020-	2016-	2017-	2018-	2019-	2020-
B.Tech. (Dairy Technology)	17	18	19	20	21	17	18	19	20	21
	25	26	22	25	26	8	27	18	0	0

6.4.9. ICT Application in Curricula Delivery:

Detail About	Remarks
Mention whether the degree programme is meeting the expectations?	<p>Yes</p> <ul style="list-style-type: none"> • Interactive board, projector and laptops are used by the faculty during theory as well as practical classes for enhanced learning proficiency among students • Technical videos are also used by the faculty for supplementing learning perceptions of the students for better understanding • Power point presentations are also used to reinforce the teaching delivery system
Whether there is any shortfall?	No

6.4.12. Certificate (Applicable when SSR is submitted for Programme)

I, Dr. Jagat Bir Phogat, Dean, CODST hereby certify that the information contained in Section 6.4.1 to 6.4.9 is furnished as per the records available in the college and degree awarding university.

Jagat Bir Phogat
26/5/21

Signature of Dean of the College with Date & Seal
College of Dairy Science & Technology
LUVAS, Hisar

6.5. Self-Study Report for the Colleges

6.5.1. College Administration:

6.5.1.1. College Dean's Office Establishment:

Details	Remarks
Whether Dean's post has been Sanctioned by the appropriate authority as per ICAR's Model Act/ UGC guidelines	Yes
Date of selection of present Dean	01-04-2021
Mode of selection	Additional Charge (as previous Dean retired)
Tenure	Till further orders from Competent authority
Staff and Infrastructural facilities available in the Dean's Secretariat	
Staff	
AAO	1
Personal Assistant	1
Assistant	7
Clerk	7
JSS	5
Computer Operator	1
Assistant Manager	1
Dairy Supervisor	1
VLDA	1
Lab. Technician	4
Lab. Assistant	4
Lab. Attendant	5
Messenger	5
Car/Jeep Driver	2
Book Self Attendant	2
Infrastructural Facilities	
Existing building	
Dean's Room	1
Dean Office (Administrative cum Account Office)	1
New Building (Getting ready to shift)	
Dean's Room	1
Dean's Office Administrative Office Accounts Office	1
Committee Room	1

Visitor's lobby	1
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6.5.1.2 Monitoring Mechanism For Quality Education (on-line): whether the college is having an internal quality assurance system with appropriate structure and processes and with enough flexibility to meet the diverse need of stakeholders which is required for planning guiding and effectively monitoring of teaching research and extension across the department is being conducted and mention the impact of monitoring on the outcome of college with reference to students excelling in academics research and extra-curricular activities.

The teaching material of B. Tech Degree program under college of Dairy Science & Technology is available to students under e-gov module of the university which can be accessible to students through login. With the availability and accessibility of course material on-line, it greatly enhances students' academic excellence and they can also take up their doubts with teachers at any time. The on-line module of e-gov is constantly under monitoring by Dean of the college. It immensely contributes to timely updating of the lectures and avoid any delays. On-line module of education has greatly empowered the college to continue its high-quality teaching in virtual mode even during testing times of Covid-19. The college has made all efforts to continue quality education to students at all times.

Various extra-curricular activities like debates and quiz have been organized in on-line mode to keep the students motivated. Our faculty members are also taking on-line training lectures (capacity building lecturers for Scientists & farmers of various institutions such Extension Education Institutions, Nilokheri, and working extensively) and other on-line lectures in their areas of expertise for many institutions and state and central universities.

6.5.1.3. CC/Board of Studies:

Details	Remarks
Whether the CC in the Department level is in Place?	No
Whether the Board of Studies (BoS) at the College is in place?	No, however, at present it is merged with COVS BOS. The other various decisions regarding the distribution of courses among faculty, submission of the book chapter/ research articles/ review articles, submission of projects, and participation in training/ conferences/ workshops/seminars or any other matter concerned are discussed as agenda in the faculty meeting. The decision taken in the meetings are recorded, circulated, and maintained in the CODST.

6.5.1.4. Anti-ragging Cell: In pursuance to the Judgment of the Hon'ble Supreme Court of India dated 08.05.2009 in Civil Appeal No. 887/2009, the University Grants Commission

has framed “UGC Regulations on curbing the menace of ragging in higher educational institutions, 2009” which have been notified on 4th July, 2009 in the Gazette of India. Does the College follow this regulation and subsequent guidelines issued in the matter in letter and spirit? Give details.

Ragging is banned with zero tolerance in the university. If any incident of ragging comes to the notice of the University Authority, strict action will be taken as per the rules and regulations of the university. Affidavits in this regard have to be submitted by the candidates and their parents/guardians on the day of registration.

S.no.	Details	Remarks
1.	Does the College follow 'UGC Regulations on curbing the menace of ragging in higher educational institutes, 2009 and subsequent guidelines issues in the matter in letter and spirit	Yes
2.	Rules regarding prevention of ragging	Yes (Annexure III)
3.	Self-Declaration by students and parents at the time of admission	Yes (Annexure IVA and IVB)
4.	Awareness and sensitization of students	Yes
5.	Counseling of students (through student advisors)	Yes

6.5.1.5. Biological waste disposal facility: Whether wastes (chemical, biological, radioactive, universal, and recyclable) are generated by a variety of research, clinical, service, maintenance, and cleaning operations at the College level? If yes, then mention the disposal mechanism being adopted as per the government guidelines.

Whether wastes (chemical, biological, radioactive, universal, and recyclable) are generated by a variety of research, clinical, service, maintenance, and cleaning operations at the College level? Yes

The disposal mechanism being adopted:

- The biological waste generated in the college is disposed of as per the guidelines for Biomedical Waste Management Rules, 2016, GOI, Ministry of Environment, Forest and Climate Change.
- The biological waste generated at the point of generation is segregated in accordance with schedule-I in Yellow, Red, White and Blue bags/ containers, respectively.
- Pre-treatment is done at the point of generation using 10% Sodium Hypochlorite having 30% residual chlorine for twenty minutes as given in Schedule-III.
- Syringes/ needles are mutilated and plastic waste is cut before segregation.
- Awareness posters are installed at point of segregation for mass awareness.

Workers involved in handling of biomedical waste are provided regular training along with routine health checkup and immunization against Hepatitis-B and Tetanus.

Type of Waste	Category or type of bag used	Treatment	Disposal management
Broken or discarded and contaminated glass	Cardboard boxes with blue colored marking	Discarded in respective category of bag at veterinary clinic facility for the next treatment process at university level	As per Bio-medical Waste Management Rules, 2016. Ministry of Environment, Forest and Climate Change. Govt. of India.
Laboratory cultures, stocks or specimens of microorganisms, production of biological, residual toxins, dishes and devices used for cultures.	Yellow bag with autoclave safe plastic bags.	Autoclaving as per standards of Bio-medical Waste Management Rules, 2016. Discarded in respective category of bag at veterinary clinic facility for next process at university level.	

6.5.1.6. Institutional Ethics Committee for Experiment on Animals: Whether the institute/ College is following CPCSEA guidelines and constituted an Institutional Animal Ethics Committee (IAEC), get their animals house facilities inspected and get their project cleared by CPCSEA and IAEC before commencing them? The College should make statement that it is adhering all guidelines in the matter.

There is a centralized Institutional Ethics Committee (IEC) for Experiment on Animals at university level.

6.5.1.7. Committee for Prevention of Sexual Harassment of Women at Work Places: Does the institution is adhering the sexual harassment of women at workplace (Prevention, Prohibition and Redressal Act, 2013) in letter and spirit. Mention the constitution of sexual harassment committees and date of proceedings conducted in last five years in tabular form.

At the university level, there is a taskforce to monitor women's safety and security issue in the campus, which was constituted on 10.08.2020, vide DHRM Memo No. DHRM/2020/1031. Representative from all colleges including from the College of Dairy Science and Technology are member of taskforce/ committee. The list is as follows:

Name	Designation
Dr. (Mrs.) Nirmal Sangwan, Chairperson	Director, HRM
Dr. (Mrs.) Sushila Maan, Member	Principal Scientist & Head, Department of Animal Biotechnology, College of Veterinary Sciences, LUVAS

Dr. Pawan Kumar, Member	Professor cum Head, Department of Veterinary Anatomay, College of Veterinary Sciences, LUVAS
Dr. (Mrs.) Vandana Chaudhary, Member	Assistant professor, College of Dairy Science and Technology, LUVAS
Mrs. Sushma, Member	P.A to Dean PGS
Ms. Vaishali (2109V12D) , Member	Ph.D Student
Ms. Sapna Nimbali (2017V58B) , Member	UG Student
Dr. S.K Kalra, Member	General Secretary, Vanprastha (NGO), H.No 1507, Urban Estate II, Hisar
Ms. Anamika Gupta, Member	Advocate, H.No A-1, Housing Board Colony (Inside Vidyut Nagar), Hisar

No of Proceedings-01 dated: 26.10.2020

6.5.2. Faculty

6.5.2.1. Faculty Strength: Mention the Faculty position (both in sanctioned and in-position) at the College.

Detailed Faculty Profile

Designation	Sanctioned faculty	Faculty in place	Vacant position against sanctioned position	Faculty recommended by the ICAR/ UGC/ VCI/ other regulatory bodies
Dean	1	1	1	1
Professor	3	1	2	5
Associate Professor	5	0	5	10
Assistant Professor	17	10	7	20

Other establishments involved in the routine functioning of the college

For smooth completion of administrative, academic, research, extension and extra-curricular activities, the following establishments of LUVAS support the College of Dairy Science & Technology regularly.

Name of the establishments
• O/o Registrar
• O/o Dean Postgraduate Studies
• Directorate of Student Welfare -Cum- Estate office
• Directorate of Extension Education

• O/o Director of Research
• O/o Comptroller
• O/o Controller of Examination
• O/o Department of Animal Genetics and Breeding
• O/o Department of Livestock Production Management

6.5.2.2. Faculty Profile (Department wise): Mention department wise faculty profile in tabular form and mention whether present profile is sufficient to meet the academic requirement of the College.

Department wise faculty profile

College of Dairy Science & Technology has five Departments viz. Department of Dairy Technology, Department of Dairy Engineering, Department of Dairy Chemistry, Department of Dairy Microbiology and Department of Business Management. The faculty profile for each department is given below:

Name of the Department	In Position		
	Professor	Associate Professor	Assistant Professor
Department of Dairy Technology	01	-	02
Department of Dairy Engineering	-	-	03
Department of Dairy Chemistry	-	-	01
Department of Dairy Microbiology	-	-	01
Department of Business Management	-	-	03

Note: The process of creation of departments has been cleared by Board of Studies and will be cleared in upcoming Academic Council meeting within three months.

Whether present profile is sufficient to meet the academic requirement of the College?

Present faculty strength is sufficient to meet the academic requirement of the College.

Adjunct Faculty: The following well known subject experts have visited the college and delivered specialized lecture(s) to the faculty and students and had personal interaction/discussion and suggested for improvement in teaching and research activities.

Name & Designation	Address	Date of Visit
Dr. Alka Sharma, Prof. & Head, Deptt. of Food Technology	GJUS&T, Hisar, Haryana	September, 2019

Dr. Naresh Kumar, Principal Scientist	ICAR-NDRI, Karnal, Haryana	September, 2019
Dr. P N Raju, Senior Scientist	ICAR-NDRI, Karnal, Haryana	September, 2019
Dr. M.K. Garg, Ex-Prof. & Head, Deptt. of Food Engineering	COAE, CCS HAU, Hisar, Haryana	September, 2019

6.5.2.3. Credentials of the Faculty: Whether the institution has employed competent faculty members qualified to accomplish the mission and goals of the institution? Give the highest qualification received by each faculty, related work experiences in the field, professional licensure and certifications, honors and awards, continuous documented excellence in teaching, or other demonstrated competencies and achievements that contribute to effective teaching and student learning outcomes.

The university had employed competent faculty members qualified to accomplish the mission and goals of the institution? **Yes**

The faculty in College of Dairy Science and Technology has very vast experience of industry, teaching, and research.

Name of faculty	Highest qualification	Related work experience (Y and M)	Documented excellence** and demonstrated competencies as earned project (PI and Co-PI)	Job responsibility
Dr. J.B. Phogat	Ph.D.	31 Y 6 M (Dean CoDST since 1 st April 2021)		Administration (Teaching, Research, Extension, Consultancy)
Dr. Sharanagouda. B. Professor (DT)	Ph.D.	14 Y and 6 M	07 (PI, 01; Co-PI, 06)	
Dr. Ruby Siwach, Asstt. Professor. (DC)	Ph.D.	4 Y and 10 M	01 (Co-PI, 01)	
Dr. Tejinder Pal Singh (DM)	Ph.D.	5 Y	Nil	
Dr. Yogender	Ph.D.	6 Y and 5 M	02 (PI, 01; Co-PI,	

Singh Yadav (DE)			01)
Dr. Sumit Mahajan, Asstt. Professor (DBM)	Ph.D.	6 Y	04 (PI, 02; Co-PI, 02)
Dr Sandeep Duhan, Asstt. Professor (DE)	Ph.D.	4 Y and 2 M	02 (PI, 01; Co-PI, 01)
Dr. Rachna, Asstt. Professor (DBM)	MVSc.	8 Y and 11 M	01 (Co-PI, 01)
Dr. Indu, Asstt. Professor (DE)	Ph.D.	7 Y	02 (PI, 01; Co-PI, 01)
Dr. Shalini Arora, Asstt. Professor (DT)	Ph.D.	9 Y and 04 M	03 (PI, 01; Co-PI, 02)
Dr. Vandana Chaudhary Asstt. Professor (DT)	Ph.D.	8 Y and 09 M	03 (Co-PI, 03)
Dr. Satish Jangra Asstt. Professor (DBM)	MBA	1Y and 10 M	01 (Co-PI, 01)

* Y-Years, M-Months. ** (**publication**) The research papers, book chapters published by the faculty is mentioned below

Research contribution of faculty (Projects and publications)

PROJECTS

SNO.	Title of the projects
1.	Dr. Yogender Singh Yadav, Principal Investigator, Dr. Vandana, Dr. Shalini and Dr. Rachna are the Co-Principal Investigator of RKVY project entitled "Skill development and training for SC/ST women, small & marginal farmers and other weaker segments of the society"
2.	Dr. Yogender Singh Yadav, Dr. Vandana and Dr. Sumit Mahajan are the Co-Principal Investigator of project entitled "Milk Processing Demonstration at Farmer's Doorstep (Doodh Ki Chakki)" Funding Agency – HLDB, Panchkula
3.	Dr. Shalini Arora, Principal Investigator, Prof. Sharanagouda B, Dr. Satish Jangra, Dr. Vandana, Dr. Ruby Siwach and Dr. Sandeep Duhan are the CO-PI of Institutional project entitled 'Studies on the development of fox-nut (Makhana) fortified functional paneer'.
4.	Dr. Sumit Mahajan, Principal Investigator, Dr. Indu and Dr. Shalini Arora Co-Principal Investigator received the institutional project on 'Consumption Pattern and Nutritional

	Contribution of Milk and Milk Products in India' for two year 2019-21
5.	Dr. Indu, Principal Investigator, and Prof. Sharanagouda B, Dr. Sumit Mahajan Co-Principal Investigator, received the institutional project on 'Development of Instrument for Detection of Mastitis in Dairy Cattle' for two year 2019-20
6.	Dr. Sumit Mahajan, Principal Investigator, received the research project on 'A Study on Choice of Availing Veterinary Services in India' for one year 2019-20 funded by ICSSR, New Delhi.

Publication (Research papers)

Prof. Sharanagouda B

S.no.	Title of the paper	NAAS ratings
1	Sharanagouda, B. Shankarlingayya V.S. and Arora S (2019). Optimization of inoculation level of probiotics (L. Acidophilus la5 & B. Bifidum bb12) on the quality parameters of whey protein enriched probiotic concentrated yoghurt. <i>The Haryana Vet.</i> 58 (2), 220-223	4.46
2	Application of soft computing models for prediction of subclinical mastitis in indigenous breed of dairy cattle in India Indu Panchal, Sumit Mahajan, Sharanagouda B, Kanta Yadav and IK Sawhney	Accepted for publication

Dr. Ruby Siwach

1	Siwach, R., Tokas, J. and Seth, R. (2018), Lycopene: A natural antioxidant for anhydrous buffalo milk fat. <i>Int J Dairy Technol</i> , 71: 164-173. https://doi.org/10.1111/1471-0307.12335	7.23
2	Naagar, S., Seth, R., Siwach, R., (2017). Oxidative stability of anhydrous cow milk fat supplemented with docosahexaenoic acid (DHA). <i>Ruminant Science</i> 6(1): 149-154.	5
3	Siwach, R., and Tokas, J. (2018). Analysis of purified lycopene extract obtained from fresh tomatoes. <i>International Journal of Chemical Studies</i> 6(1): 597-601.	5.31
4	Tokas, J. Yadav P., yashveer, S., Siwach, R., and H. R. Singal (2018). Application of biodegradable aloe vera gel to maintain the quality and longer shelf life of tomato (solanum lycopersicum) during storage. <i>Annals of biology.</i> 34(1): 88-91	4.08
5	Naagar, S., Seth, R., Siwach, R., (2018). Effect of fortification of buffalo ghee with DHA on BR Reading and FFA content during storage. <i>Indian Journal of Dairy Science.</i> 71(1): 47-53.	5.26
6	Ghalawat, S., Girdhar A. and Siwach, R., (2017). Insights into college student's perception towards cell phone advertisements. <i>International Journal of Education and Management Studies.</i> 7(2): 241-245.	4.79

Dr. Tejinder pal Singh

1	Singh TP, Kaur G, Kapila S and Malik K. (2017) Antagonistic activity of <i>Lactobacillus reuteri</i> strains on the adhesion characteristics of selected pathogens. <i>Front. Microbiol.</i> . doi: 10.3389/fmicb.2017.00486.	10.23
2	Garg S, Singh TP, Reddi S, Malik, R.K. and Kapila, S. (2017) Intervention of probiotic <i>L. reuteri</i> fermented milk as an adjuvant to combat protein energy malnourishment induced gut disturbances in Albino mice. <i>Journal of Functional Foods</i> . 36: 467-479.	9.70
3	Garg S, Singh TP, Malik RK. (2019) In Vivo Implications of Potential Probiotic <i>Lactobacillus reuteri</i> LR6 on the Gut and Immunological Parameters as an Adjuvant Against Protein Energy Malnutrition. <i>Probiotics & Antimicro. Prot.</i> 12, 517–534 (2020). https://doi.org/10.1007/s12602-019-09563-4	9.53

Dr. Yoginder Singh Yadav

1	Madhu, Y. S. Yadav and Navdeep Jindal (2017) Study on the Effect of Etherification on Physicochemical, Pasting, Morphological and Thermal Properties of Buckwheat Starch (<i>Fagopyrum Esculentum</i>). <i>Chemical Science Review and Letters</i> , 22(6): 1036-1043.	4.75
2	A. K. Pathera, C. S. Riar, S. Yadav, D. P. Sharma, Y. S. Yadav and M. Kumar (2017) Optimization of dietary fiber enriched chicken nuggets for different cooking methods. <i>Journal of Food Measurement and Characterization</i> . DOI 10.1007/s11694-017-9517-2	7.65

Dr. Sandeep Duhan

1.	Duhan, S., & Kar, A. (2018). Optimization of process parameter combinations for pasteurization of sugarcane juice using continuous flow microwave system. <i>The Indian Journal of Agricultural Sciences.</i> , 88(8) : 1253-1257.	6.25
2.	Beniwal, B.S., Jaglan, V., & Duhan, S.K. (2018) Comparison of efficacy of BIS and FSSAI methods for estimation of total solids in cultured Dairy Products. <i>Haryana Veterinarian.</i> , 57 (2), 189-190.	5.36
3.	Duhan, S., Kar, A., & Bhan, C. (2017). Kinetics of colour changes in marigold petals during microwave drying. <i>International Journal of Agricultural Engineering.</i> , 10(1): 92-97	4.43

Dr. Sumit Mahajan

1.	Panchal, I., Mahajan, S., Sharanagouda B., Yadav, K. and Sawhney, I.K. (2020). Application of Soft Computing Models for Prediction of	5.95
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	Subclinical Mastitis in Indigenous Breed of Dairy Cattle in India. <i>Indian Journal of Dairy Science</i> , 73(1):67-72	
2.	Naik, Y.K., Choudhary P.L., Khare, A. and Mahajan, S. (2020). Preparation and techno-economic feasibility of whey-based watermelon beverage using betel leaves distillate. <i>J Entomol Zool Stud</i> , 8(6):1553-1558.	5.53
3.	Mahajan, S., Papang, J.S., Ghule, A., Arora, S. and Indu. (2019). Analysis of Dairy Cooperative Movement in Haryana. <i>Indian Journal of Dairy Science</i> , 70(2): 554-61	5.95
4.	Arora, S., Patel, A.A., Gurditta, H., Yadav, S. and Mahajan, S. (2019). Estimation of Production Cost for Hard-variant of <i>Chhana-murki</i> (Indian cottage cheese-based dessert). <i>Haryana Veterinarian</i> , 58(2):174-80	5.58

Dr. Vandana Chaudhary

1.	Chaudhary, V., Bishnoi, S. & Argade, A. (2019). Development and Characterization of Aloe vera juice incorporated Burfi. <i>The Pharma Innovation Journal</i> 8(5):407-411.	5.03
2.	Devi, R., Khanna, N., Argade, A., Vaquil, Chaudhary, V. & Ahlawat, S.S. (2019). Studies on shelf-life of developed strawberry pulp based shrikhand incorporated with soy milk at refrigeration (4±1 °C) temperature. <i>Haryana Veterinarian</i> 58(2): 292-294.	5.46

Dr. Rachna

1.	Rachna, Gautam, Malik, Anika, Sangwan, S.S., Kamaldeep and Khirbat, Richa (2017). Factors affecting constraints perception of women practising mixed dairy farming. <i>Asian J. Animal Sci.</i> , 12(1): 49-55.	5.36
2.	Rachna, Gautam, Malik, Anika, Sangwan, S.S., Khirbat, Richa and Kamaldeep (2017). Socio-economic profile of dairy farmers in Hisar district of Haryana. <i>Asian J. Animal Sci.</i> , 12(1): 88-94.	5.36

Dr. Shalini Arora

1.	Arora, S., Gurditta, H., Patel, A. A., Yadav, U., Singh, R. R. B., & Rekha.	7.95
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	(2021). Modelling and optimization of process parameters for production of desiccated <i>Chhana-murki</i> (Indian cottage cheese-based dessert). <i>Journal of Food Science and Technology</i> . doi:10.1007/s13197-020-04920-6	
2.	Yadav, U., Singh, R. R. B., Chatterjee, A., prakash, k., & Arora, S. (2020). Development of high protein extruded snack using composite flour and milk proteins through response surface methodology. <i>Journal of Food Processing and Preservation</i> , 44. doi:10.1111/jfpp.15025	7.41
3.	Yadav, U., Singh, R. R. B., prakash, k., Arora, S., & Chatterjee, A. (2020). Suitability studies of different milk proteins for supplementation in functional extruded snack. <i>Indian Journal of Dairy Science</i> 73, 419-424. doi:10.33785/IJDS.2020.v73i05.005	5.95
4.	Gurditta, H., Patel, A., & Arora, S. (2019). Selection of dietary fibres for sucrose replacement in functional Chhana-murki (Indian Cottage cheese-based dessert) and their effect on sensory, physical and instrumental texture parameters. <i>International Journal of Dairy Technology</i> , 72. doi:10.1111/1471-0307.12624	7.64
5.	Singh, T.P., Chauhan, G., Mendiratta, SK., Agrawal, RK, Arora, S. (2019). Optimization of ingredients for preparation of low calorie fiber enriched chhana balls-Sandesh like product. <i>Journal of Food Science and Technology</i> 56 (6):3043-3054.	7.95
6.	Yadav, U., Singh, N., Arora, S., & Arora, B. (2019). Physicochemical, pasting, and thermal properties of starches isolated from different adzuki bean (<i>Vigna angularis</i>) cultivars. <i>Journal of Food Processing and Preservation</i> . doi:10.1111/jfpp.14163	7.41
7.	Arora, S., Patel, A.A., Gurditta, H., Yadav, U and Mahajan, S. (2019) Estimation of production cost for hard-variant of chhana-murki (Indian cottage cheese-based dessert) <i>The Haryana Vet.</i> 58 (2), 174-180	5.46
8.	Mahajan S, Papang J S, Ghule, A, Arora S, Indu (2019). Analysis of dairy cooperative movement in Haryana. <i>Indian J Dairy Sci</i> 72(5): 554-561 DOI: 10.33785/IJDS.2019.v72i05.014	5.96
9.	B. Sharanagouda, V.S. Shankarlingayya and Arora S (2019). Optimization of inoculation level of probiotics (<i>L. Acidophilus</i> la5 & <i>B. Bifidum</i> bb12) on the quality parameters of whey protein enriched probiotic concentrated yoghurt. <i>The Haryana Vet.</i> 58 (2), 220-223	5.46
10.	Yadav, U., Singh, R., & Arora, S. (2018). Evaluation of quality changes in nutritionally enriched extruded snacks during storage. <i>Journal of Food Science and Technology</i> , 55. doi:10.1007/s13197-018-3319-3 IF -7.96	7.95
11.	Yadav, U., Singh, R.R.B., Arora, S. (2018) Consumer acceptance study on milk protein enriched extruded snacks. <i>Indian Journal of Dairy Science</i> 71 (6), 546-551.	5.95
12.	Arora, S., & Chaturvedi, R. (2017). Impact of TRIPS on providing easy access to affordable medicines in India. <i>Journal of Intellectual Property Rights</i> , 22, 257-265.	-

Dr. Indu Panchal

1	Panchal, I., Mahajan, S., Sharanagouda B., Yadav, K. and Sawhney, I.K. (2020). Application of Soft Computing Models for Prediction of Subclinical Mastitis in Indigenous Breed of Dairy Cattle in India. <i>Indian Journal of Dairy Science</i> , 73(1):67-72	5.95
2	Mahajan, S., Papang, J.S., Ghule, A., Arora, S. and Indu. (2019). Analysis of Dairy Cooperative Movement in Haryana. <i>Indian Journal of Dairy Science</i> , 70(2): 554-61	5.95

Book chapters published by the faculty

S.no.	Title of the Chapter
1.	Chaudhary, V. (2018). Soft Carbonated Beverages In: D. Mudgil & S. Barak <i>Beverages Processing and Technology</i> Scientific Publishers, Jodhpur, Rajasthan: 90-111.
2.	Yadav, V., Chaudhary, V. & Ali, U. (2019). Food Defense-Another Technical Jargon or A New Era in Food Protection In: <i>Food Frontiers</i> . New Delhi Publisher, New Delhi. 105-125
3.	Nehra, M., Chaudhary, V. & Amanjyoti (2020). Product Formulations In Punia et al. (ed) <i>Pearl Millet: Properties, Functionality and its Applications</i> 165-177. ISBN 9780367354862 Published March 24, 2020 by CRC Press
4.	Yadav, V., Chaudhary, V., Yadav, Y.S. (2020). Advancement in the Traceability and Transparency of Food Supply Chain 157-198 (Accepted)
5.	Chaudhary, V. & Kajla, P. (2020). Properties: Physical, Chemical and Functional In Dhull et al (ed) "Essential Fatty Acids Sources, Processing Effects, and Health Benefits": 73-88. ISBN 9780367335403 CRC Press
6.	Kajla, P. & Chaudhary, V. (2020). Effect of thermal and non-thermal processing on EFA In Dhull et al (ed) <i>Essential Fatty Acids Sources, Processing Effects, and Health Benefits</i> : 101-116. ISBN 9780367335403 CRC Press
7.	Punia, S., Dhull, S.B., Siroha, A.K., Sandhu, K.S. & Chaudhary, V. (2020). Mechanism of action of Essential Fatty Acids In Dhull et al (ed) <i>Essential Fatty Acids Sources, Processing Effects, and Health Benefits</i> : 89-100. ISBN 9780367335403 CRC Press
8.	Singh TP, Pophaly SD and Siwach R (2018). Biopreservatives for Improved Shelf-Life and safety of Dairy Products: Biopreservatives for Dairy Products. <i>Microbial Cultures and Enzymes in Dairy Technology</i> . IGI Global. Pg. No. 69-86.
9.	Pophaly SD, Chauhan M, Tarak J, Bashetty SB, Singh TP, Tomar SK. Aerobic Respiration in Lactic Acid Bacteria: Current and Future Applications in Dairy Starter Culture. In Budak and Ceren et al edited "Microbial Cultures and enzymes in dairy Technology. IGI Global, USA. 87-100.
10.	Singh TP and Arora S. Safety aspects of novel bacteriocins. book volume to be published by Apple Academic Press, Inc.: <i>Novel Strategies to Improve Shelf - life and Quality of Foods</i> Under book series, "Innovations in Agricultural and Biological Engineering"

11.	Mahajan, S., Papang, J.S. and Indu. (2020). Economics of Milk Production: An Indian Overview. In: Kumar, D. and Mahajan, V., editors. Livestock Improvement Strategies: An Update. Delhi: IBS. pp 1-8.
12.	Yadav U., Arora S., Kaushik I. (2020) Rice (<i>Oryza sativa</i>) Bran. In: Tanwar B., Goyal A. (eds) Oilseeds: Health Attributes and Food Applications. Springer, Singapore. https://doi.org/10.1007/978-981-15-4194-0_16

6.5.2.4. Technical and Supporting Staff: Whether the College has appointed (in place) sufficient technical/ laboratory/ farm staff to cater the need of practical and field experiments. Mention, Department wise distribution of technical, supporting and field staff in the tabular form.

Summary of the technical and supporting staff

Sr. No.	Staff Type	Sanctioned	Filled	Vacant
1.	Administrative staff (AAO, PA, Assistant, Clerk, JSS, Comp. Operator, Asstt. Manager, Dairy Supervisor)	24	12	12
2.	Technical Staff (VLDA, Lab. Technician, Lab. Asstt., Lab Attendant)	14	8	6
3.	Supporting Staff (Car/Jeep Driver, Messenger, Book Self Attendant)	9	-	9

*SDO, Electrician, carpenter, plumber and landscaping personnel are involved in routine activities of the College; #Personnel from security office of the DSW, LUVAS

6.5.3. Learning resources: Learning resources are texts, videos, software, and other ICT enabled materials that teachers use to assist students to meet the expectations for learning defined by ICAR recommended curricula. Information on the following shall be submitted.

The college has its own library. The University Library was also set up in 2011 after the Lala Lajpat Rai University of Veterinary, and Animal Sciences was established in 2010. Since its inception, the library is serving to update the knowledge of teachers, scientists, students and staff members of the university to keep them informed about the field of their interest. The library has a unique collection of about 2750 hard-bound books of various disciplines of veterinary and animal sciences and 694 e-books and e-journals of international and national repute. The library has led a vital role in the digitalization of Masters. and Doctoral theses of different departments of the university. The list of the e-Books from sites of Science Direct, CABI, Taylor & Francis, EBSCO subscribed by LUVAS can be downloaded from university website.

However, **LUVAS is also sharing the joint facility of library with Nehru Library of CCSHAU, Hisar.** Nehru Library subscribes to different types of e-resources and manages access of e-resources subscribed by the library as well as provided by the CeRA. IP authenticated campus-wide access of these essential resources to main campus users and users at RRS (Uchani) campuses are being provided. The library has provided access to the following e-resources under period of report:

- **OCLC:** Due to the implementation of e-Granth Project, Nehru Library, CCSHAU, Hisar has become member of OCLC which is the largest library network in the world with a membership of 16,964 libraries. OCLC and its member libraries cooperatively produce and maintain WorldCat (more than 397,546,551 bibliographic records and 2,564,087,849 holdings), the largest on-line public access catalog (OPAC) in the world. Nehru Library, CCSHAU, Hisar is one of those 41 Indian libraries that are members of this big network and maintaining its catalog on the WorldCat. Though, the project completed in March 2014 yet holdings of Nehru Library have been updated on the WorldCat.

- **Krishikosh:** Krishikosh is e-repository of all collection related to agricultural & allied sciences like old & rare books, theses, old journals, research articles, conference proceedings, annual reports, monographs, case studies, newsletters etc. It was created under a NAIP project named e-granth. in 2009. ICAR directed all agricultural universities to update the repository by updating the respective community (University) with its collection in e/digitized format. During the period under report, Nehru Library CCSHAU had uploaded all the theses received after 2012 on Krishikosh portal (as KrishiPrabha project was over in 2012). Nehru Library has uploaded theses of its own university on the portal and uploaded theses of other six universities viz. NAU, PAU, YSPAU, MAFSU, SKUAST and LUVAS received from 2012-2015. A total of 416+1708 theses were uploaded on Krishikosh by the library during 2016-17.

- **CeRA e-Journals** About 3952 e-journals published by American Association for the Advancement of Science-2, American Society of Microbiology-13, American Society of Agronomy-6, Annual Reviews Inc.-25, Bio One-165, CSIRO-8, International Society for Horticultural Science-1, IWA-12, Oxford-42, Springer- 120, Springer ME collection-49, Springer EEC collection-134, Nature-2, Ovid-1, Elsevier416, 1212 e-journals published by Taylor and Francis and 298 Indian Journal and 515 J-Gate full text e-journals were made accessible on-line to user community through J-Gate Plus Service subscribed by the CeRA. Library subscribed e-journal on-line access of 21 foreign, and 10 Indian Journals was provided to the university users from the library Portal.

- **Indiastat.com:** Library subscribed a statistical website indiastat.com. which is a cluster of 57 sites including India specific, region-specific & state-specific sites. It provides socio-economic statistical data about India & its states, region & sector on more than 35 Variables. The user community of the university logged in to this e-tool 2473 times and viewed/downloaded/printed more than 3568 tables for their academic purposes during the period.

- **Britannica Online Academic Edition (BOLAE):** It is world known electronic tool for promoting knowledge and learning. It provides timely, relevant & reliable information. It is accessible to library users since Jan. 2014. It provides access to e-dictionary, Thesaurus, Biographies of great world personalities, e-books and primary sources, full-length video priority in-depth coverage of media collection on every subject quotation of great personalities etc. This important on-line reference the users used tool for their academic purposes in 733 sessions and 1, 17,571 hits were recorded on the site during the period.

- **E-books:** Library purchased 413 e-books (31 from ASAP Globe and 216 from CRC/Taylor and Frances) during 2016-17. These e-books are accessible in the university as well as in a few outstations and downloadable. The access link is on library portal.

6.5.3.1 College Library (digital): Mention the information about location of the library, present staff position (in place) and availability of Wi-Fi, sufficient books and other reading materials, periodicals and research journals, internet with sufficient number of computers, seating capacity, employing the latest technology in library sciences, stocking arrangements, collection of volumes on different subjects, latest publications in the fields of relevant subjects, automation and user services through computer, opening hours, subscription of journals of national and international repute, national dailies, magazines etc.

Central Library: At the university level, there is a centralized University Library with a modern facility to collect, evaluate and organize information resources that adequately support the curricula of the colleges, the research programmes and the general informational needs of the university. The students are also utilizing the Nehru Library facility in the Campus. The library is computerized and automated of its operations. The library allows open access to its collection and provides services to its users. State of the art IT services has been used/ utilized to provide a single point on-line access to various digital resources and other library services to its users.

Facilities provided by University Campus Library

- The library has a unique collection of about **2750** hard-bound books of various veterinary and animal sciences disciplines.
- It has a subscription of **694 e-books and e-journals** of international and national repute on-line.
- It has **600** hardbound and digital form of Masters. and Doctoral theses of different departments of the university which has also been uploaded on krishikosh.
- It has 42 computers with internet which can accommodate around 80 persons at a time with LCD projection facility.

Opening hours of the library-

- 9.0 AM - 4.30 PM (August-April)
- 7.0 AM - 1.30 PM (May-July)

Nehru Library, CCS HAU, Hisar

The facility of Nehru Library, CCS HAU, Hisar is being utilized by the faculty members and students of LUVAS as and when required. Nehru library is well equipped with a large number of books and other facilities like Krishi Prabha, CeRa, video conferencing and multimedia. It provides information support to its teachers, scientists, extension specialists, students, and other members drawn from nonteaching staff and general public. During summer, the working hours of library are 7.00 AM to 8.00 PM and during holidays 7.00 AM to 1.30 PM. Working hours during winter are 8.30 AM to 9.00 PM and during holidays 9.00 AM to 4.00 PM. It has 6 Reading Halls with seating capacity of 650 readers. Night Reading Hall with modern facilities, exquisite furniture, air-conditioned environment and uninterrupted power supply -opens

immediately after the library's closure and remains open up to midnight on all days of week. It has seating capacity of 80 readers.

College Library

- College of Dairy Science and Technology has a college book bank, established in year 2016. College book bank is dedicated to support the academic programmes of students concerning their broad subject matter knowledge
- The books cater to the needs of various college departments like Dairy Technology, Dairy Microbiology, Dairy Engineering, Dairy Chemistry, and Dairy Economics and management.
- Some of the books existing in the library are specialized books that serve as a reference material for undergraduate and post graduate programs.
- Students can explore the college book bank between working hours from 9am to 4:30 pm. The purpose of the college library is to assist students with their assignments, preparatory work etc.
- One faculty personnel is involved in taking care of the belongings of the library.

6.5.3.2. Laboratories, Instructional farm, Workshops, Dairy Plant, Veterinary Clinic, Hatchery, Ponds etc.: Clearly mention about laboratories, instructional farm, workshops, dairy plant, veterinary clinic, hatchery, ponds etc. facilities available in the College with its numbers, space, specialty to conduct practical/hands on training.

College of Dairy Science and Technology has well-established teaching/ research labs and an instructional dairy farm for teaching, research, demonstration and training purpose, including experiential learning/ hands on training/ skill development.

New Building (under construction)

The new building of CoDST was likely to be completed by start of academic year 2020-21. Due to COVID-19 situation, the building completion work was delayed and is expected to be completed within six months.

Name	Number	Space (Sq. ft.)	Specialty
1	Product Development Laboratory	01	As per the recommendations of the 5 th dean committee Teaching, Research, Demonstration etc.
2	Product Characterization and Rheology	01	
3	Packaging Laboratory	01	
4	Sensory Evaluation Laboratory	01	
5	Central Instrumentation Laboratory	01	
6	Food Technology Laboratory	01	
7	UG Dairy Technology Lab	01	
8	PG Dairy Technology Lab	01	
9	Bioprocess and Dairy Engineering Laboratory	01	
10	UG Dairy Engineering Lab	01	

11	Fluid Mechanics Laboratory	01		
12	Heat Transfer Thermodynamics Laboratory	01		
13	Refrigeration and Air Conditioning	01		
14	Thermodynamics Laboratory	01		
15	Electrical Laboratory	01		
16	Instrumentation and Process Control Laboratory	01		
17	Dairy Engineering Workshop	01		
18	Engineering Drawing Hall	01		
19	Dairy Food Analysis Laboratory	01		
20	UG Chemistry Lab	01		
21	PG Chemistry Lab	01		
22	Dairy Food Quality and Safety Laboratory (Microbiology)	01		
23	UG Microbiology Lab	01		
24	PG Microbiology Lab	01		
25	Tissue Culture Lab	01		
26	Biosafety Lab	01		
27	Molecular Lab	01		
28	Starter Culture and Fermented Foods Lab	01		
29	Computer Laboratory	01		
30	Audio-Visual Laboratory	01		
31	Language Laboratory	01		

Experimental Dairy Plant: Experimental Dairy Plant is an excellent training facility that is used on sharing basis by College of Dairy Science and Technology with Department of Livestock Product Technology (LPT), College of Veterinary Sciences, LUVAS. It has milk handling capacity of 10,000 LPD into a diverse range of dairy products. There are five sections in the Experimental Dairy Plant viz., liquid milk processing and packaging section, Traditional dairy products section, Frozen dairy products section, Fermented dairy products section and engineering section. Besides pasteurized milk, the number of dairy products viz., *cream, butter, ghee, paneer, dahi, lassi, khoa, milk cake, peda*, mozzarella cheese, ice cream, whey drink, etc manufactured in the experimental dairy plant regularly, wherein students are getting hands-on-training. Moreover, the college is also having its locational advantage of being adjacent to the VITA Milk Chilling Plant, Hisar. To show students the commercial level of dairy processing, we organize visit to VITA and other milk processing industries like Lakshay Foods, Jind; Modern Dairy Plant, Karnal, Danone etc. as and when required. Currently, the plant has the following facilities:

- Batch type and continuous ice-cream manufacturing with hardening cum storage unit.
- Bulk milk cooler and milk storage tank
- Butter manufacturing unit
- Can washing and sterilization unit
- Cream separation and standardization of milk unit
- Ghee manufacturing and packaging unit

- Liquid milk processing including online milk standardize cum cream separator and packaging section
- Paneer, cheese manufacturing and packaging unit
- Product storage (walk-in cold room) unit
- Steam generation (Boiler) unit
- Refrigeration unit

6.5.3.4. Curricula Delivery through IT (smart class rooms/interactive board etc.): Whether the College is using smart class rooms/ interactive board etc. for teaching and practical. Number of class rooms upgraded as smart class rooms should be mentioned.

Detail About	Remarks
Whether the College is using smart class rooms/ interactive boards etc. for teaching and practical's	<p>Yes</p> <ul style="list-style-type: none"> • Interactive board, projector and laptops are used by the faculty during theory as well as practical classes for enhanced learning proficiency among students • The faculty also use technical videos for supplementing learning perceptions of the students for better understanding • Power point presentations are also used to reinforce the teaching delivery system
Number of classrooms upgraded as smart class-room	04

6.5.4.1. Student Intake and Attrition: The information about student intake and attrition, for the Colleges a whole but separated in UG, PG and PhD categories shall be provided in tabular form for last five years.

Name of Degree Programme	Actual Students admitted in the last five years					Attrition (%)				
	2016-17	2017-18	2018-19	2019-20	2020-21	2016-17	2017-18	2018-19	2019-20	2020-21
B.Tech. (Dairy Technology)	25	26	22	25	26	8	27	18	0	0

6.5.4.2. Average Number of Students in Theory and Practical Classes: Mention the Degree Programme-wise number of students sitting in a class for theory and practical, separately in tabular form.

Name of the Degree Programme	Batch of students in theory class	Batch of students in practical class

B. Tech (Dairy Technology)	One batch of 26 students	One batch
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6.5.4.3. Admission Process: Clearly give complete mechanism of admission for UG, PG and programmes, fee payment mechanism, registration procedure, academic schedule publication at the start of the semester etc. Write information in one page only.

Admission Programme	Admission mechanism	Fee payment mechanism	Registration procedure	Academic schedule publication
B.Tech.(Dairy Technology)	Based on Merit in Entrance Test (ET) conducted by LUVAS through counselling as per given schedule in Chapter – III of the B.Tech.(Dairy Technology) Prospectus.	On-line payment mode	As per prescribed Academic Calendar schedule	Published in the B.Tech.(Dairy Technology) Prospectus.

6.5.4.4. Conduct of Practical and Hands on Training: Mention the brief report on how the practical and hand-on-training is being conducted in different courses to meet the student satisfaction. Write information in one page only.

Following methods are used for conducting the practical's and hands-on-training in different departments of the college.

Department	Methods for conducting the practical's and hands on training
Dairy Technology	<p>Following facilities for providing practical exposure and hands-on-training in different aspects of Dairy Technology are available in the College</p> <p>For practical classes students are divided into three groups (nine students in each groups) and practical classes are conducted at the dairy technology labs.</p> <p>Whereas, for Hands on Training module, students are divided into four batches (six students in two batches and seven students in two batches). Each batch is assigned with different section works like procurement, processing, product and marketing cum accounts section. Each batch works in that section for four weeks, then the rotation of batches takes place to next section. So that all students get a hands-on experience of working in a dairy plant. Each group is also assigned for preparation of practically workable small project. They have to submit it at the end of semester. While preparing the projects, students are constantly guided by the faculty with their expertise in concern subject.</p> <p>For conducting this hands-on training, a committee is formed under the guidance of Dean. Faculty from each department and expert from the field</p>

	<p>are taken as member of this committee.</p> <p>Experimental Dairy Plant – Experimental dairy plant of the college is one of the excellent features of the infrastructure with milk handling capacity of 10,000 liters per day. This facility is shared with Department of LPT, College of Veterinary Sciences, LUVAS.</p> <p>Following visits are conducted for field exposure and interactive sessions with the dairy professionals to learn about the commercial processing of milk and manufacturing of milk products.</p> <ul style="list-style-type: none"> • Visit to M/s. Lakshya Milks Pvt. Ltd., M/s. VITA milk federation, for milk, curd, cream, butter, ghee and milk powder production. • Visit to M/s. Yakult Danone India Private ltd. plant near Delhi for fermented probiotic dairy products production and marketing.
<p>Dairy Engineering</p>	<p>Following facilities for providing practical exposure and hands on training in different aspects of dairy engineering are available in the College</p> <ul style="list-style-type: none"> • Refrigeration and air conditioning lab: For learning techniques related to refrigeration systems used in dairy industry. It is also used to give demonstration to students to make them, understand various air conditioning principles. • Dairy and Bio Process Engineering lab: It has facility for teaching and doing research work for testing the engineering parameters of the dairy products. • Dairy Engineering workshop: The workshop facility is shared with CCSHAU, Hisar where various operations related to machining, welding and fitting are taught to under graduate students. • Well-equipped thermodynamics and heat transfer labs - For learning techniques related to thermodynamics, heat and mass transfer during various processes ion dairy industry. • Food Engineering laboratory: For teaching and research purpose, where novel techniques are used to enhance shelf-life of dairy products, to study rheology of dairy foods, study of various preservation techniques for food products. <p>Following visits are conducted for field exposure</p> <ul style="list-style-type: none"> • To various refrigeration units in dairy plants • Visit to cold chain system of fruits and vegetables • Visit to waste water treatment plants
<p>Dairy Chemistry</p>	<p>The Department of Dairy Chemistry is well equipped and contains basic and infrastructure facilities to conduct fundamental and applied research</p>

	<p>for understanding the chemistry of milk and milk products.</p> <ul style="list-style-type: none">• Chemistry of milk course deals with estimation of various milk components, including fat, solid-not-fat, protein, lactose and ash content, and checking the quality of milk using gravimetric methods/ advanced instruments.• Chemical quality assurance: In this course students have an exposure to sampling techniques of milk and milk products, detection of adulterants and preservatives in milk, calibration of dairy glassware and preparation & standardization of common reagents used in dairy industry.• In Physical chemistry of milk course, students learn to determine the physicochemical properties of milk, including specific gravity, surface tension, viscosity, refractive index, conductivity, pH and acidity of milk, etc.• In the chemistry of dairy products, students get practical exposure to chemical composition (Fat, protein, ash, carbohydrates, moisture, etc.) of different milk products.• Food chemistry course deals with estimation of chemical composition of the different food products including wheat flour, fruit juice, ketchup, beverages etc.
Dairy Microbiology	<p>The Department of Dairy Microbiology is well equipped to carry out basic and advanced research in different areas of Microbiology, including milk and milk products quality, starter culture, industrial microbiology. Besides, department also equipped facilities for studying molecular biology of beneficial milk strains. Infrastructural facilities such as continuous water, power supply and telecommunication including computer and internet facilities are also available. The department provides exposure to both UG and PG students in different microbiology and molecular biology components.</p> <p>Biosafety Lab delivers expertise for maintaining and handling of pathogenic strains; besides proper methods for discarding biological waste. This facility is shared with College of Veterinary Sciences, Hisar</p> <p>Starter Culture Lab provides exposure with the starter and beneficial strains of milk origin. Students get exposure with the propagation, handling and maintenance of lactic acid bacteria strains, besides studying their morphology and growth dynamics.</p> <p>Molecular Lab gives hands-on training on the isolation of DNA and the application of molecular techniques for identifying bacterial strains. High end facilities including PCR, Real Time PCR, Gel Documentation Unit and Gel electrophoresis unit are available in molecular laboratory. This facility is shared with College of Veterinary Sciences, LUVAS, Hisar</p> <p>Cell/ Tissue Culture Lab expose students to application of microorganisms as bio-therapeutics. PG student research also involves a small component on cell culture, so that they are industry ready following Master's degree.</p> <p>Following visits are conducted for exposure</p>

	<ul style="list-style-type: none">• Visit to quality labs of dairy plants• Visit to breweries for exposure to industrial fermentation units• Visit to Yakult for exposure to probiotic based dairy products• Visit to biotechnology labs including Panacea Biotech, ICAR-NDRI Karnal for exposure to molecular labs and their industry application.
Dairy Business Management	<ul style="list-style-type: none">• Students are given field oriented and Business oriented exposure, practicals of Dairy Business Management,• Collection of real data from field and preparing project reports using various feasibility tools.• Accounting based analysis of Livestock Enterprises• Formulation of the simplex matrices for typical farm situations and solving the problems using linear programming for getting optimum results.• Improving the students' communication skills by engaging them in group discussions, extempore, impromptu presentation, etc.• Solving the dairy-related problems using various statistical techniques such as Z, t, Chi-square, F test etc., correlation, regression analysis, analysis of variance and preparing control charts for variables and attributes.



Visit to Lakshay Foods, Jind



Visit to Yakult, Kundli

6.5.4.5. Examination and Evaluation Process: The evaluation of students' performance is a central task of College administration. A brief report on examination and evaluation process for UG, PG and PhD be given separately mentioning external/ internal components. System of evaluation should clearly be mentioned for UG, PG and PhD.

UG Programme

Courses	Experiential learning	In-plant training	Educational Tour
I. Theory Mid-term Examination - (weightage 50%) Internal End-term Examination - External (weightage 50%)	The students undergo the Experiential Learning Program during 8th Semester of their degree program and submit a report which is evaluated as per the 5 th Dean Committee recommendations by an Evaluation Committee constituted by the Dean at College level.	The students undergo In-Plant Training Program during 7 th Semester of their degree program and submit a report which is evaluated as per the 5 th Dean Committee recommendations by an Evaluation Committee constituted by the Dean at College	Due to the covid pandemic, the tour program could not be successful till date. Yet the mandate of the tour program is that every student has to undergo compulsory Education Tour and submit Tour Report along with the In-Plant Training Report for evaluation Dairy plants and Institutes visited during Educational Tours <ul style="list-style-type: none"> • Yakult -Sonipat
II. Practical End Semester Examination –			

<p>Internal (100%)</p> <p>Evaluation is internal for all the examinations</p> <p>Question paper setting for end-term theory examination is external.</p>		<p>level.</p>	<ul style="list-style-type: none"> • NDRI- Karnal • ICAR- New Delhi • Mother dairy plant, Delhi • SMC college of dairy science and technology • Vidya Dairy-Anand • Kaira district plant-Anand • Mother dairy-Gandhinagar • Lotus dairy-Rajasthan • Rajasthan cooperative-Jaipur
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Breakup of marks for theory and Practical examinations of UG degree program

Educational Tour: Every student must undergo a compulsory **Education Tour** and submit **Tour Report**. Education Tour is conducted during semester break of 4th year of the degree program.

Proportionate weightage of theory and practical is on the following pattern with a weightage of 50% in theory for external examination:

Credit hours (Theory & Practical)	Marks (Theory + Practical)	Distribution of theory marks			Bifurcation of practical marks	
		Mid Term	Final external	Assignment	Practical	Assignment
0+1	0+100	-	-	-	75	25
1+0	100+0	40	50	10	-	-
2+0	100+0	40	50	10	-	-
3+0	100+0	40	50	10	-	-
1+1	50+50	25	25	-	35	15
2+1	70+30	35	35	-	25	05
3+1	75+25	35	40	-	20	05
1+2	30+70	15	15	-	60	10
2+2	50+50	25	25	-	45	05
3+2	60+40	30	30	-	35	05

6.5.4.6. NCC/ NSS/ RVC Units: Clearly mention the existence and functioning of these units and how it is benefiting the student development. A brief report should be given.

Besides sports, the undergraduate students can also register themselves in NCC (non-mandatory). The NCC unit of the university has a staff of one commanding officer, one ANO,

one Senior JCO and one CHM. The authorized strength of the Squadron is 200 for candidates from CCS HAU and LUVAS. Interested students can join the NCC for training.

6.5.4.7. Language Laboratory: It is required of any student to have a good command of the language for communication purposes, with clarity and accuracy being vital for effective and efficient communication. What helps one to acquire such proficiency in a language is the process and the method of learning that language. Mention which of these type of Conventional, Lingua Phone, Computer Assisted Language Laboratory and Multimedia Hi-Tech Language Laboratory are being used for language teaching in the college.

As per the recommendations of Vth Deans committee, the College is offering a course on **Communication Skills of 2 (1+1) credit hrs** at UG level. **We have a smart classroom in the college. Further,** All the PG students of College of Dairy Science & Technology take up a compulsory course on '**Technical Writing and Communication Skills**' (Credit Hrs. 0+1) for acquiring expertise in technical/ scientific writing and improving their communication skills, so that they can communicate and deliver better in academics as well as profession.

6.5.4.8. Cultural Center: Does the college has cultural center to empower student leaders to explore, celebrate, and educate the campus community about the diversity among them? Does the college offer an inclusive and reflective space, multicultural programming, and support services that encourage positive interaction, academic persistence, and growth among students, faculty, and staff?

Adequate facilities are available in the university for the students interested in music and theatre, fine art, literary and adventure sports. The university has a cultural center that provides students opportunities to showcase their talent in various art forms like theatre, fine arts, music, dance, etc. Students are encouraged to participate in different events at College and University level competitions. Expert faculty is available in the Directorate of Students' Welfare for teaching dance, music and theatre activities. For teaching these activities, one Assistant Professor (Culture), one Folk Dramatist, one Harmonium Player, one Tabla Player, one Dholak Player and one Folk Musician are in position. College has constituted a cultural and youth activities committee to look after students' extra-curricular events and encourage them to participate in the same. A separate building covering the Directorate of Students' Welfare has full-fledged music room with all required musical instruments. Directorate of student's welfare organizes Inter College Youth Festival at University level once a year and winning team participates at zonal and thereafter at the national level. Participation in extra-curricular activities makes students aware of cultural background diversity and develops a harmonious relationship with their peer group. Such event also enhances the confidence and personality of students.





Students of CoDST, LUVAS, Hisar Actively Participating in Cultural Activities

6.5.5. Physical facilities:

6.5.5.1. Hostels: Clearly mention the number of hostels available for the College students for boys and girls, separately with its total capacity, students per room accommodated in each hostel, mess facility, drinking water, indoor games specially for girls, cleaning of hostel premises, transport facility, emergency medical facility etc.

There is a shared hostel facility at university level. All students admitted to the college can avail this facility depending on his/ her requirements. There is separate hotel facility for boys and girls. Hostel facility is provided to both boys and girl students of the college at the university level by the Director of Student Welfare Cum Estate Officer

No. of girls hostel available:	01
No. of boy's hostel available:	02
Total capacity	
Girls Hostel:	48 Rooms (144 capacity)
Boys Hostel:	266 Rooms (404 capacity)

Student Per Room	
Girls Hostel:	3 Seater
Boys Hostel:	3-4 Seater and cubicles
Mess facility:	Yes
Drinking water:	Yes
Indoor games	
Girl's hostel:	Yes
Boy's hostel:	Yes
Cleaning of hostel premises:	Yes
Transport facility:	Yes
Emergency medical facility:	Yes

6.5.5.2. Examination hall: Mention the availability of number of examination halls, its capacity etc. for the College.

Examination facility is provided at the University level, where mid-term and end semester examination of UG students and comprehensive examinations of PG students are conducted under CCTV surveillance by Controller of Examination.

No. of examination Hall	03
Seating capacity	228

6.5.5.3. Sports and Recreation Facilities: Clearly mention the number of indoor and outdoor sports facilities available for the College students. A brief note on day-to-day management and use of these facilities shall be provided in the report.

The university has central sports and recreation facilities which are shared with CCS HAU, Hisar. The Giri Centre for students' welfare and activities is an outstanding feature of this university with sports and other activities. It has two indoor Badminton Courts with a seating capacity for 600 spectators, two indoor squash courts, hobby rooms, two multi-purpose indoor gymnasiums with a reasonable seating capacity. Grounds/courts/tracks/links are available in the University Sports Complex. A synthetic track of international standard has also been provided in the Athletic Stadium. Volleyball grounds have lighting arrangements for playing at night. Hockey, Football, Cricket and Basketball grounds are well maintained.

Sports In-charge at college level and Assistant Professor for Physical Education (at university level) co-ordinate and conducts practice sessions at college/ university level.



Students of CoDST, LUVAS, Hisar Actively Participating in Sports

6.5.5.4. Auditorium: Does the college have auditorium? Mention its year of construction, sitting capacity and how frequently being used for the College functions.

A central facility of auditorium is available at university level and College of Dairy Science & Technology regularly sharing the same facility for functions and programmes.

- UG and PG/ Ph.D. admission counseling
- Annual Prize Distribution Function
- Lectures by Adjunct Faculty/ Experts
- College Performance Reviews
- Placement meetings

Celebrations of special days e.g., World Milk Day, World Environment day, Voters Day, World water Day etc.

6.5.7.1. Student Performance in National Examinations: Provide detailed information in tabular form about student performance in JRF/SRF/NET/ARS/and other national examinations for last five years. Only those students receiving fellowships should be mentioned here.

Since only one batch of the students has graduated yet (in academic year 2019-20), their performance in JRF/SRF/NET/ARS/and other national examinations conducted in the year 2019-20 is as follows:

Student Performance Category	No. of Students	Name of Student	Institute
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JRF	2	Diksha Bhardwaj	M.Tech.(DC), NDRI, Karnal
		Sapna	M.Tech.(DC), NDRI, Karnal
Other National Examination (GATE)	1	Aniket	M.Tech.(Food Tech. & Mgmt.), NIFTEM, Kundli
Higher Education (India)	10	Anuj	M.Tech.(DT), CoDST, LUVAS, Hisar
		Deepak	M.Tech.(DT), NDRI, Karnal
		Gaurav Sharma	M.Tech.(DE), GADVASU, Punjab
		Hardwari Lal	M.Tech (DT), CoDST, LUVAS, Hisar
		Mukul	MBA, MANAGE, Hyderabad
		Prince	M.Tech.(DC), CoDST, LUVAS, Hisar
		Rahul Kumar	M.Tech.(DE) NDRI, Karnal
		Rohit	M.Tech.(DE), CoDST, LUVAS, Hisar
		Sohan	M.Tech.(DT), CoDST, LUVAS, Hisar
Somveer	M.Tech.(DE) NDRI, Karnal		

6.5.7.2. Students Placement Profile: Provide detailed information in tabular form about student performance in ARS/and other national examinations/State level examinations or equivalent. Year wise placement profile shall be provided.

Since only one batch of the students has graduated yet (in academic year 2019-20), the placement profile of the students who have passed out in the year 2019-20 is as follows:

Students Placement Profile Category	No. of Students	Name of Student	Institute/Employer
ARS	-	-	-
National Examination	08	Diksha Bhardwaj	M.Tech.(DC), NDRI, Karnal
		Sapna	M.Tech.(DC), NDRI, Karnal
		Aniket	M.Tech.(Food Tech. & Mgmt.), NIFTEM, Kundli
		Deepak	M.Tech.(DT), NDRI, Karnal
		Gaurav Sharma	M.Tech.(DE), GADVASU, Punjab
		Mukul	MBA, MANAGE, Hyderabad
		Rahul Kumar	M.Tech.(DE) NDRI, Karnal

		Somveer	M.Tech.(DE), NDRI, Karnal
State Examination or Equivalent	-	-	-
Placement in Dairy/ Food Industry	04	Devender Rao	Bikanerwala, Delhi
		Gautam Aghi	Modern Dairy, Karnal
		Muskan	Mahan Foods, Amritsar
		Sidharth Verma	Anik Dairy Milk Products, Dewas, Madhya Pradesh

6.5.7.3 Award/ recognition/certificate: provide information on awards/ recognitions/ certificates in the tabular form for last five years separately for students and faculty

Award/ recognition/certificate of the students

SNo	Details	Name of the student (batch)
1.	Inter college golden jubilee youth conclave (CCS HAU) - 2019- Declamation contest - First position	Diksha (2016-20)
2.	National Milk Day - 2017 - Declamation contest- First position, Swachhta pakhwada - 2017 - Elocution contest - Second position	
3.	National Milk Day- 2018- Declamation contest - First position	
4.	Workshop on Communication skills and personality development- 2020- Extempore speech - Winner	
5.	World Milk Day- 2018- Declamation contest- Second position	
6.	Participated in 18th All India Inter Agri Universities Youth Festival (Agri Unifest 2018)	
7.	Sri Satya sai Seva organization- 2018 - Declamation contest- Appreciable position	
8.	CFST, CCS HAU -2017- Declamation contest -Participation Certificate	
9.	World Milk Day 2018 - Poster Competition- Participation Certificate	
10.	World milk day- quiz competition – 2018 -2 nd position	Deepak (2016-20)
11.	Inter college golden jubilee youth conclave (CCS HAU) - 2019- elocution– 2 nd position	
12.	National Milk Day - 2017 – Quiz competition- First position	
13.	All India Agri-Sports meet-2017-18	Priyanka (2017-2021)
14.	District level basketball competition – 3 rd position	
15.	Quiz competition – World milk Day- 2018	Ritwik (2017-2021)
16.	Declamation competition held on World Milk Day 2020 – 1 st prize	Neha (2018-2022)
17.	Participated in Inter Agri Sports Meet 2020 held in SRI Venkateswara Veterinary University, Tirupati, Andhra Pradesh.	

18.	Declamation Competition held on National Milk Day 2019 - 2nd prize	
19.	Slogal Writing Competition held on National Milk Day. 2019- 1st prize	
20.	Inter - College Declamation Competition held on LUVAS FOUNDATION DAY- 2019- 2 nd prize	
21.	2nd prize in Declamation Competition held on National Milk Day-2018	
22.	Received Consolation prize in District level Declamation competition held in Thakur Das Public school organized by Sri Sathya Sai Seva Organisation (Haryana, Chd). 2018	
23.	Consolation prize -poster making competition - National Milk Day- 2019 and 2 nd position in poster making competition - National Milk Day- 2019	Shweta (2018-2022)
24.	National Milk Day - 2018 – Quiz competition- second position, 2019 poster making 2 nd runner-up	Kuldeep (2018-2022)
25.	Folk dance- IGKV UNIFEST -2020	Kiran (2019-2023)
26.	First prize in inter- college declamation competition held on LUVAS Foundation day, First prize in declamation competition on national milk day, 2019	Gurpreet (2018-2022)
27.	Second prize in quiz competition held on national milk day,2019	
28.	Declamation contest Second prize in held on national milk day, 2020	
29.	Represented LUVAS in elocution & quiz contest in Agriunifest, 2020 held at I.G.K.V, Raipur, Chattisgarh participation	
30.	Consolation in college level essay writing competition organized by LUVAS in Hisar district on agricultural education day	
31.	Agri-India- Hackathon 2021- participation certificate issued by PUSA, ICAR-IARI	Rahul and Yashpal (2017-2021)
32.	Inter-Agri Sports Meet 2020 held in SRI Venkateswara Veterinary University, Tirupati, Andhra Pradesh- basketball- 1 st Prize	Indu (2019-2023)
33.	Inter Agri Sports Meet 2020 held in SRI Venkateswara veterinary university, Tirupati, Andhra Pradesh -basketball and relay race-1 st Prize	Komal (2019-2023)
34.	Slogan writing -National Milk Day -2018 – Ist prize	Saurav (2018-2022)
35.	Certificate of excellence- world veterinary day-2021	Bharti (2019-2023)
36.	National milk day -2018- quiz competition – 1 st Prize	Rohit (2018-2022) (2017-2021)
37.	Inter- college poster competition – 1 st Prize on LUVAS foundation	Ravinder

	Day 2019	(2018-2022)
38.	Poster competition -1 st Prize, national milk day -2019	
39.	Quiz competition - consolation prize in Slogan Writing - 2 nd position	Prajwal (2018-2022)

Award/ recognition/certificate of Faculty

S.no.	Award /recognition/ certificate
1.	Dr. Yoginder Yadav Awarded First prize in poster presentation in “National Conference on Advances in Food Science and Technology” organized by Department of Food Technology, Eternal University, Baru Sahib (H.P.), India from 24-25 March 2017.
2.	Dr. Yoginder Yadav Awarded “Young Scientist Award” by Agricultural Technology Development Society (ATDS) during 3rd International Conference GIASE-2019 held on June 16-18, 2019 at Tribhuvan University, Nepal
3.	Dr. Sumit Mahajan received “Excellence in Teaching” award by the Applied Research and Development Organisation in the year 2020 for his significant contribution in the field of Agricultural Economics- Dairy Economics
4.	Dr. Shalini Arora received Indian Patent Agent registration and certification –INPA-3639, GOI

6.5.7.4. Employability: What are the set of achievements such as skills, understandings and personal attributes that make College students more likely to gain employment and be successful in their chosen occupations, which benefits themselves, the workforce, the community and the economy? Provide one page note on the subjects.

Training and Placement Cell of the University plays a vital role in identifying the professional needs of the students in terms of professional trainings, educational and industrial visits, and interactions to help the budding graduates get placed in reputed government organizations, semi-government organizations and dairy industry through on-campus and off-campus placement. Continuous interaction and counseling sessions on personality development and other professional attributes are being organized by inviting experts from the industry and other institutes. The first batch of students passed out in 2019-20.

6.5.8. SSR of the College must have the SSR of all its Degree Programmes (following section 6.4), then the report of the Colleges shall be considered.

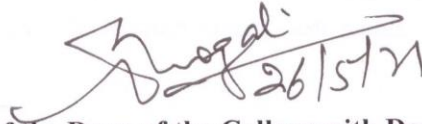
As stated in section 6.4, this college provides degree B.Tech. (Dairy Technology) after passing the undergraduate programme. From the academic year 2020-21, we have started Masters programme in disciplines of Dairy Technology, Dairy Engineering, Dairy Chemistry and Dairy Microbiology for which M.Tech. degree shall be awarded on successful completion of the programme. As the masters programme has been started from the current academic session, so details of the masters programme are not incorporated separately, and the SSR is submitted for accreditation of the college for undergraduate programme only.

Self-Study Report of College of Dairy Sci. & Tech.

Self-Study Report of College of Dairy Sci. & Tech.

6.5.9. Certificate (Applicable when SSR is submitted for Programmes & College).

I, the Dean Dr. Jagat Bir Phogat, hereby certify that the information contained in Sections 6.4 and Section 6.5.1 to 6.5.7.4 are furnished as per the records available in the College and degree awarding University.



Signature of the **Dean** of the College with Date & Seal
Dean
College of Dairy Science & Technology
LUVAS, Hisar

ANNEXURES

ANNEXURE-IA

ग्राम पंचायत - रिवासा, जिला - महेंद्रगढ़

सेवा में

श्रीमान कुलपति महोदय

(क्षेत्रीय निदेशक के माध्यम से)

लाला लाजपत राय पशु चिकित्सा एवं पशु विज्ञान विश्वविद्यालय,
हिसार

विषय: हरियाणा पशु विज्ञान केंद्र, रिवासा (महेंद्रगढ़) में दूध प्रसंस्करण प्लांट स्थापित करने एवं डेरी विज्ञान फैकल्टी की सेवाएं प्रदान करने हेतु।

महोदय,

लाला लाजपत राय पशु चिकित्सा एवं पशु विज्ञान विश्वविद्यालय का महेंद्रगढ़ में स्थापित हरियाणा पशु विज्ञान केंद्र, रिवासा (जो निर्माण की प्रक्रिया में है) क्षेत्र के पशुपालकों को अपनी सेवाएं प्रदान कर रहा है जिसमें पशुओं के रोग निदान तथा दूध उत्पादन बढ़ने में बहुत ही सराहनीय योगदान दे रहा है इसके अलावा "दूध की चक्की" प्रोजेक्ट भी यहाँ पर शुरू किया गया जिसका किसानों का रुझान दूध प्रसंस्करण के व्यवसाय बहुत हद तक बढ़ा है लेकिन अब यह प्रोजेक्ट शायद किसी भी कारणों से बंद हो गया है। जो इस क्षेत्र के लिए बहुत ही निराशाजनक है। आज के समय के हिसाब से दूध प्रसंस्करण व्यवसाय किसानों की आमदनी बढ़ाने के लिए बहुत ही सार्थक है अतः इस सेंटर में भी स्थाई दूध प्रसंस्करण प्लांट स्थापित करने की कृपया करें जिससे पशुपालक दूध एवं दूध उत्पादों व्यवसाय शुरू करने के लिए प्रशिक्षण भी ले सकें। इसी के साथ साथ प्रशिक्षण देने के लिए विश्वविद्यालय से डेरी विज्ञान फैकल्टी की सेवाएं प्रदान की जाये। इसी विषय को ध्यान में रखते हुए आप से विनम्र निवेदन है कि हरियाणा पशु विज्ञान केंद्र, रिवासा (महेंद्रगढ़) में दूध प्रसंस्करण प्लांट स्थापित करने एवं डेरी विज्ञान फैकल्टी की सेवाएं प्रदान कि कार्यवाई जल्द से जल्द शुरू की जाये इसके लिए रिवासा ग्राम पंचायत और समस्त ग्रामवासी हरसंभव मदद के लिए सदा तैयार हैं।

धन्यवाद सहित।

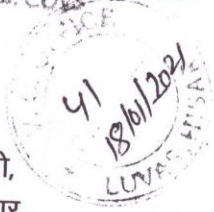
(राजकुमार)

Raj Kumar सरपंच
मुख्य अधिकारी
रिवासा पंचायत

ANNEXURE-IB

Receipt No. 647 05/3/2021
To Dean, COES, HIAS, HISAR

राम बिलास शर्मा
Ram Bilas Sharma



Dr. Patel to Duremi
D.O. No.
शिक्षा, तकनीकी शिक्षा, पर्यटन,
निर्वाचन, संसदीय मामले,
पुरातत्व एवं संग्रहालय तथा
सत्कार मंत्री हरियाणा।

Education -
Technical Education,
Tourism, Elections, Parliamentary
Affairs, Archaeology & Museums and
Hospitality Minister, Haryana

Dated, Chandigarh 14.01.2021

श्री गुरदयाल सिंह जी,
नमस्कार

Dean Coes 12 647
05/3/2021

महेन्द्रगढ़ क्षेत्र के लोगों ने मुझ से हरियाणा पशु
विज्ञान केन्द्र रिवासा महेन्द्रगढ़, हरियाणा में दुध प्रसस्करण इकाई
स्थापित करने की मांग की है। मेरे क्षेत्र के लोगों में दुधारू ~~बढ़े~~
पशुओं का पालन-पोषण करके जीवनयापक करते हैं।

कृपया इनकी मांग को ध्यान में रखते हुये मेरी आपसे
अनुरोध है कि इस इकाई को रिवासा अस्पताल में स्थापित किया जाए।
धन्यवाद सहित।

जतिष्ठा में

श्री गुरदयाल सिंह
वाईस चांसलर
लुवासा, हिसार

आपका
राम बिलास शर्मा
(राम बिलास शर्मा)

Dear Coes to take up the issue
18/1/21

कार्यालय : कमरा नं. 32, तल 8, हरियाणा सिविल सचिवालय, चण्डीगढ़ - 160001
निवास : कोठी नं. 32, सेक्टर 3, चण्डीगढ़ - 160001
दूरभाष : 0172 - 2740793 (कार्यालय), 0172 - 2741714 (फैक्स), 0172 - 2742032 (निवास)
E: educationministerharyana@gmail.com
Forwarded to
Dean Coes

ANNEXURE-II

10/14/2019



PRATICIPANT EVALUATION PROFORMA



PROGRAMME TITLE : ROLE OF HYGIENE IN FOOD SAFETY AND QUALITY CONTROL
ORGANIZED BY : LALA LAJPAT RAI UNIVERSITY OF VETERINARY AND ANIMAL SCIENCES
(LUVAS), HISAR, HARYANA
ORGANIZER : DR. SHARANAGOUDA B, DR. INDU, DR. SUMIT MAHAJAN
DATE : 09-09-2019 TO 18-09-2019 (DURATION: 10 DAYS)

1. No. of participants (Applied) : 43
2. No. of participants (Approved) : 23
3. No. of participants (Attend) : 13
4. No. of participants (Not Attend) : 0
5. Gender wise distribution of participant : Male : 7 Female : 6
6. ICAR / SAU wise distribution of participant : ICAR : 0 SAU (and Others) : 13

7. State wise distribution of participant :

SNo.	State Name	No. of Participant
1	Andhra Pradesh	1
2	Chhattisgarh	1
3	Haryana	5
4	Karnataka	1
5	Madhya Pradesh	1
6	Maharashtra	13
7	Uttar Pradesh	1

8. Discipline wise distribution of participant :

SNo.	Discipline Name	No. of Participant
1	Dairy Technology	5
2	Livestock Products Technology	3
3	Agricultural Structure & Process Engineering	2
4	Food & Nutrition	1
5	Food Science & Technology	4
6	Dairy Engineering	2
7	Horticulture-Post Harvest Technology	1
8	Agricultural Engineering	1
9	Microbiology	1
10	Others	3

I. General information about training

1/5

10/14/2019

1. How did you come to know about this training program?
 - a) CPB Portal / ICAR Website 10
 - b) Colleague in the same department / organization 1
 - c) Immediate superior (like HoD) 0
 - d) Head of the organization 0
 - e) Friend in other organization 1
 - f) Personally contacted by CAFT Director / Faculty 1
 - g) Any other 0
 - h) Not Specify 0

2. What was your main motive to attend this training?
 - a) Training theme was relevant to my job 6
 - b) Training was related to my subject area 5
 - c) To update my knowledge and skills 2
 - d) To fulfill CAS / promotion requirement 0
 - e) Desired by Head of the Organization 0
 - f) To seek change from daily routine 0
 - g) Any other 0
 - h) Not Specify 0

3. In your opinion what is your ranking with respect to knowledge / skills / attitude in the beginning and at the end of this training programme?
 - a) Rank 1 7
 - b) Rank 2 3
 - c) Rank 3 1
 - d) Rank 4 1
 - e) Rank 5 1

II. Opinion towards training design and delivery

S. No.	Opinions	Excellent	Very Good	Good	Poor	Very Poor	Total
1.	Training program environment	10	1	2	0	0	13
2.	Laboratory facilities available for the training program	9	4	0	0	0	13
3.	Participation in decision making and planning of program in future	11	0	1	1	0	13
4.	Behavior of resource persons (faculty members)	11	2	0	0	0	13
5.	The course materials were designed as per the objectives of the training	11	2	0	0	0	13
6.	The tools / techniques used during the training	9	2	2	0	0	13
7.	Adequate resource persons	11	1	1	0	0	13

2/5

10/14/2019

	involvement						
8.	Boarding facilities	12	0	0	1	0	13
9.	Lodging facilities	12	0	0	1	0	13
10.	Transport facilities	13	0	0	0	0	13
11.	Exposure visits / practical exposue / field orientation	12	1	0	0	0	13
12.	Providing platform for future networking / applications	11	1	1	0	0	13
	Total	132	14	7	3	0	

III. Topics rating of training program

SNo.	Very Well	Fairly Well	Pool Covered	Topic Name	Most Useful	Useful	Not Useful
1	12	1	0	Visit to Dairy Industry	12	1	0
2	9	3	1	Automatic milk analyzers Demo	9	4	0
3	10	3	0	Cost involved in up keeping the quality and food safety of products	12	1	0
4	11	2	0	Detection of drug & pesticide residues in milk & milk products	10	3	0
5	10	3	0	Visit to processing facilities and University library	12	1	0
6	11	2	0	Current quality and safety scenario of dairy and dairy products quality	11	2	0
7	7	3	3	Importance of hygiene in Dairy plant design and layout	9	3	1
8	12	1	0	HACCP and its applications	12	1	0
9	10	3	0	Understanding FSSAI and its policies	12	1	0
10	12	1	0	Emerging trends in safety management in processing and value addition of dairy products	12	1	0
11	10	2	1	Detection of adulterants in milk and milk product	9	4	0
12	11	2	0	Importance of hygiene in food safety and quality control	12	1	0
13	12	1	0	Smart packaging for dairy and food products with respect to food safety	12	1	0
14	9	4	0	Evaluation and food safety assessment using advance techniques	11	2	0
15	12	1	0	Assessing the efficacy of sanitizes and detergents in dairy industry	12	1	0
16	10	2	1	CIP of Membrane with respect to processing of dairy and food industry	9	3	1
17	11	2	0	Detection of heavy metals in food/milk and milk products	12	1	0
18	8	3	2	IPR with respect to food Industry	11	1	1
19	12	1	0	Role of Hygiene on farm processing of milk and milk product	12	1	0
20	10	2	1	Design consideration in selection of equipment for commercial dairy plant	12	1	0
21	11	2	0	Chemical aspects in food quality and safety	12	1	0
22	12	1	0	Inauguration	11	1	1
23	12	0	1	Interaction with faculty (General Discussion) and Training	11	1	1

3/5

10/14/2019

				Evaluation (Examination of Trainees)			
24	12	0	1	Registration of participants	12	1	0
25	10	3	0	Personnel hygiene with respect to food processing	12	1	0
26	12	1	0	Valedictory Function	11	1	1

IV. Overall opinion about training pogram

1. How was the daily program?
 - a) Very tight 7
 - b) Tight 2
 - c) Comfortable 3
 - d) Light 1
 - e) Very light 0
 - f) Not Specify 0

2. Have your expectations from the training program fulfilled?
 - a) To great extent 11
 - b) To some extent 2
 - c) Not at all 0
 - d) Not Specify 0

3. What should be the optimum duration of the training program? (Kindly suggest the optimum duration from 2 to 6 weeks)
 - a) Two weeks 9
 - b) Three weeks 1
 - c) Four weeks 3
 - d) Five weeks 0
 - e) Six weeks 0

4. What would be your most preferred time to undergo training program? (Please name the month suit better for this training program)
 - a) Janunary 4
 - b) February 3
 - c) March 0
 - d) April 0
 - e) May 0
 - f) June 1
 - g) July 0
 - h) August 0
 - i) September 1
 - j) October 2
 - k) November 1
 - l) December 1

5. What is your overall opinion about the training program?

4/5

10/14/2019

a) Outstanding	0
b) Excellent	12
c) Very good	1
d) Good	0
d) Average	0
e) Not Specify	0

ANNEXURE-III

Lala Lajpat Rai University of Veterinary and Animal Sciences

Hisar-125004(Haryana), India

(Established by Haryana Act No 7 of 2010)



COLLEGE OF DAIRY SCIENCE & TECHNOLOGY

Prof. J.B. Phogat

Dean

No. CoDST/2021/

Dated: 16/2/2021

To

Sh. Ram Bilas Sharma Ji,
Ex. Minister , Govt. of Haryana.

Sub: Regarding Milk Processing Unit in HPVK, Riwasa, Mahendergarh.

Reference : In reference of your D.O. letter Dated 14.01.2021.

On the above noted subject it is informed to your goodself that there is no budgetary provision for setting up of Milk Processing Unit at Haryana Pashu Vigyan Kendra, Riwasa, Mahendergarh in the current financial year and funds. In future if any budgetary provision and funds will be available, matter will be taken up on priority basis. It is also requested that if possible make efforts at your level for funds from any funding agency like Animal Husbandry Deptt., Haryana Live Stock Development Board etc.

This is for your kind information please.

Phogat
16/2/21

Dean, CoDST
LUVAS, Hisar

Dean, CoDST
LUVAS, Hisar

ANNEXURE-IV

RULES REGARDING PREVENTION OF RAGGING

Title, Commencement and Applicability

These Rules shall be called the “Lala Lajpat Rai University of Veterinary and Animal Sciences Rules on Curbing the Menace of Ragging, 2013”. The University has adopted the UGC Regulations on Curbing the Menace of Ragging in Higher Educational Institutions, 2009 as well as the directions of the Hon’ble Apex Court.

They shall apply to all the students enrolled in certificate, diploma, UG and PG degree programmes or any other category of courses in which instruction/education is imparted by the Lala Lajpat Rai University of Veterinary and Animal Sciences and which includes its departments, constituent/affiliated colleges and all the premises, whether being academic, residential, playgrounds, canteen or other such premises of the University whether located within the campus or outside/outstations/Research Stations, and to all means of transportations of students, whether public or private, accessed by students for the pursuit of studies in this University.

Objectives

To prohibit any conduct by any student or students whether by words spoken or written or by an act which has the effect of teasing, treating or handling with rudeness a fresher or any other student, or indulging in rowdy or indisciplined activities by any student or students which causes or is likely to cause annoyance, hardship or psychological harm or to raise fear or apprehension thereof in any fresher or any other student or asking any student to do any act which such student will not in the ordinary course do and which has the effect of causing or generating a sense of shame, or torment or embarrassment so as to adversely affect the physique or psyche of such fresher or any other student, with or without an intent to derive a sadistic pleasure or showing off power, authority or superiority by a student over any fresher or any other student; and thereby, to eliminate ragging in all its forms from this University, by prohibiting it under these Rules, preventing its occurrence and punishing those who indulge in ragging as provided for in these Rules and the appropriate law in force.

What constitutes Ragging

Ragging constitutes one or more of any the following acts:

- i) any conduct by any student or students whether by words spoken or written or by an act which has the effect of teasing, treating or handling with rudeness a fresher or any other student;
- ii) indulging in rowdy or indisciplined activities by any student or students which causes or is likely to cause annoyance, hardship, physical or psychological harm or to raise fear or apprehension thereof in any fresher or any other student;
- iii) asking any student to do any act which such student will not in the ordinary course do and which has the effect of causing or generating a sense of shame, or torment or embarrassment

- so as to adversely affect the physique or psyche of such fresher or any other student;
- iv) any act by a senior student that prevents, disrupts or disturbs the regular academic activity of any other student or a fresher;
- v) exploiting the services of a fresher or any other student for completing the academic tasks assigned to an individual or a group of students;
- vi) any act of financial extortion or forceful expenditure burden put on a fresher or any other student by students;
- vii) any act of physical abuse including all variants of it: sexual abuse, homosexual assaults, stripping, forcing obscene and lewd acts, gestures, causing bodily harm or any other danger to health or person;
- viii) any act or abuse by spoken words, e-mails, post, public insults which would also include deriving perverted pleasure, vicarious or sadistic thrill from actively or passively participating in the discomfiture to fresher or any other student;
- ix) any act that affects the mental health and self-confidence of a fresher or any other student. With or without an intent to derive a sadistic pleasure or showing off power, authority or superiority by a student over any fresher or any other student.

Anti-Ragging Committee

To be proposed by the DSW and headed by the Registrar, and consisting of representatives of civil and police administration, local media, Non-Government Organizations involved in youth activities, representative of faculty members, representatives of parents, representatives of students belonging to the fresher's category as well as senior students, non-teaching staff; and shall have a diverse mix of membership in terms of levels as well as gender. Action to be taken by the Deans/Principals of the Constituent Colleges on receipt of the recommendation of the Anti-Ragging Squads or on receipt of any information concerning any reported incident of ragging, the Deans/Principals shall immediately determine if a case under the penal laws is made out and if so, either on his own or through a member of the Anti-Ragging Committee authorized by him in this behalf, proceed to file a First Information Report (FIR), within twenty four hours of receipt of such information or recommendation, with the police and local authorities, under the appropriate penal provisions relating to one or more of the followings, namely;

- (i) Abetment to ragging;
- (ii) Criminal conspiracy to rag;
- (iii) Unlawful assembly and rioting while ragging; (iv) Public nuisance created during ragging;
- (v) Violation of decency and morals through ragging; (vi) Injury to body, causing hurt or grievous hurt;
- (vii) Wrongful restraint;
- (viii) Wrongful confinement;
- (ix) Use of criminal force;
- (x) Assault as well as sexual offences or unnatural offences;

- (xi) Extortion;
- (xii) Criminal trespass;
- (xiii) Offences against property;
- (xiv) Criminal intimidation;
- (xv) Attempts to commit any or all of the above-mentioned offences against the victim(s);
- (xvi) Threat to commit any or all of the above-mentioned offences against the victim(s);
- (xvii) Physical or psychological humiliation;
- (xviii) All other offences following from the definition of “Ragging”.

Provided that the Deans/Principals shall forthwith report the occurrence of the incident of ragging to the Vice-Chancellor. Provided further that the Constituent College shall also continue with its own enquiry and other measures without waiting for action on the part of the police/local authorities and such remedial action shall be initiated and completed immediately and in no case later than a period of seven days of the reported occurrence of the incident of ragging.

Administrative action in the event of ragging

- 1 The Deans/Principals shall punish a student found guilty of ragging after following the procedure and in the manner prescribed herein under:
 - i) The Anti-Ragging Committee of the University shall take an appropriate decision, in regard to punishment or otherwise, depending on the facts of each incident of ragging and nature and gravity of the incident of ragging established in the recommendations of the Anti-Ragging Squad.
 - ii) The Anti-Ragging Committee may, depending on the nature and gravity of the guilt established by the Anti-Ragging Squad, recommend, to those found guilty, one or more of the following punishments, namely;
 - a. Suspension from attending classes and academic privileges.
 - b. Withholding/withdrawing scholarship/fellowship and other benefits.
 - c. Debarring from appearing in any test/examination or other evaluation process.
 - d. Withholding results.
 - e. Debarring from representing the institution in any regional, national or international meet, tournament, youth festival etc.
 - f. Suspension/expulsion from the hostel.
 - g. Cancellation of admission.
 - h. Rustication from the institution for period ranging from one to four semesters.
 - i. Expulsion from the institution and consequent debarring from admission to any other institution for a specified period. Provided that where the persons committing or abetting the act of ragging are not identified, the institution shall resort to collective punishment.

- 2 The appeal shall lie with the Vice-Chancellor within fortnight from the date of issue of orders.
- 3 Where in the opinion of the appointing authority, a lapse is attributable to any member of the faculty or staff of the University, in the matter of reporting or taking prompt action to prevent an incident of ragging or who display an apathetic or insensitive attitude towards complaints of ragging, or who fail to take timely steps, whether required under these Rules or otherwise, to prevent an incident or incidents of ragging, then such authority shall initiate departmental disciplinary action in accordance with the prescribed procedure of the institution, against such member of the faculty or staff.

SUSPENSION

- 1 After having regard to the nature and gravity of the incident of ragging, the Dean of the college concerned/Principal of the Constituent/Affiliated College with respect to the students is satisfied that it is necessary/desirable in the interest of the University to place under suspension, the student found involved in an act of indiscipline, he/she may place such student under suspension. Such suspension will not amount to any penalty having been imposed under the provisions under these rules.
- 2 Such suspension will debar a student from availing any facility of the University

ANNEXURE-VA

Affidavit by The Student

I, _____ S/o D/o Sh. _____, having been admitted to _____ (Name of institution), have received a copy of the LUVAS Rules on Curbing the Menace of Ragging, 2009, (hereinafter called the "Rules") carefully read and fully understood the provisions contained in the said Regulations.

- 2) I have, in particular perused clause 3 of the Rules and am aware as to what constitutes ragging.
- 3) I have, in particular, perused clause 7 and clause 8.1 of the Regulations and am fully aware of the penal and administrative action that is liable to be taken against me in case I am found guilty of or abetting ragging, actively or passively, or being part of a conspiracy to promote ragging.
- 4) I hereby solemnly aver and undertake that
 - a) I will not indulge in any behaviour or act that may be constituted as ragging under clause 3 of the Rules.
 - b) I will not participate in or abet or propagate through any act of commission or omission that may be constituted as ragging under clause 3 of the Rules.
- 5) I hereby affirm that, if found guilty of ragging, I am liable for punishment according to clause 8.1 of the Rules, without prejudice to any other criminal action that may be taken against me under any penal law or any law for the time being in force.
- 6) I hereby declare that I have not been expelled or debarred from admission in any institution in the country on account of being found guilty of, abetting or being part of a conspiracy to promote, ragging; and further affirm that, in case the declaration is found to be untrue, I am aware that my admission is liable to be cancelled.

Declared this _____ day of _____ month of _____ year.

Deponent

Verification

Verified that the contents of this affidavit are true to the best of my knowledge and belief and no part of the affidavit is false and nothing has been concealed or misstated herein.

Verified at _____ this _____ day of _____ month of _____ year.

Deponent

Solemnly affirmed and signed in my presence on this the _____ day of _____ month of _____ year after reading the contents of this affidavit.

OATH COMMISSIONER

ANNEXURE-VB

Affidavit by the Parent/Guardian

I, _____ father/mother/guardian of _____, who has been admitted to _____ (name of institution), have received a copy of the LUVAS Rules on Curbing the Menace of Ragging, 2009, (hereinafter called the “Rules”) carefully read and fully understood the provisions contained in the said Regulations.

2) I have, in particular perused clause 3 of the Rules and am aware as to what constitutes ragging.

3) I have, in particular, perused clause 7 and clause 8.1 of the Regulations and am fully aware of the penal and administrative action that is liable to be taken against my son/daughter/ward in case he/she is found guilty of or abetting ragging, actively or passively, or being part of a conspiracy to promote ragging.

4) I hereby solemnly aver and undertake that

a) My ward will not indulge in any behaviour or act that may be constituted as ragging under clause 3 of the Rules.

b) My ward will not participate in or abet or propagate through any act of commission or omission that may be constituted as ragging under clause 3 of the Rules.

5) I hereby affirm that, if found guilty of ragging, my ward is liable for punishment according to clause 8.1 of the Rules, without prejudice to any other criminal action that may be taken against him/her under any penal law or any law for the time being in force.

6) I hereby declare that my ward has not been expelled or debarred from admission in any institution in the country on account of being found guilty of, abetting or being part of a conspiracy to promote, ragging; and further affirm that, in case the declaration is found to be untrue, I am aware that the admission of my ward is liable to be cancelled.

Declared this _____ day of _____ month of _____ year.

Deponent

Name _____

Address _____

Telephone/Mobile No. _____

Verified that the contents of this affidavit are true to the best of my knowledge and belief and no part of the affidavit is false and nothing has been canceled or misstated herein.

Verified at _____ this _____ day of _____ month of _____ year.

Deponent

Solemnly affirmed and signed in my presence on this the _____ of _____ year after reading the contents of this affidavit.