

EVALUATIVE REPORT OF THE DEPARTMENT OF ANIMAL HUSBANDRY AND DAIRYING

1. Name of the Department: **Department of Animal Husbandry and Dairying**
2. Year of establishment **1981**
3. Is the Department part of a School/Faculty of the university? Yes, part of the Faculty of agriculture in the **University**
4. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.): UG at Faculty level and **PG and Ph. D at Departmental level**
5. Interdisciplinary courses and departments involved: **Department of Farm Engineering, Department of Botany**
6. Courses in collaboration with other universities, industries, foreign institutions, etc. **Nil**
7. Details of programmes / courses discontinued, if any, with reasons **Nil**
8. Annual/ Semester/Choice Based Credit System **Semester**
9. Participation of the department in the courses offered by other departments Agriculture extension and Agriculture Economics
10. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

Faculty	Sanctioned	Filled
Professor	01	01
Associate Professors	02	01
Asst. Professors	05	05

11. Faculty profile with name, qualification, designation and specialization (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided for the last 4 years
Dr. Alok Jha	Ph. D	Professor	Dairy Technology, Food Science	19	1
Dr. D. P. Singh	Ph. D	Professor	Poultry Genetics and Breeding	34	2
Dr. Jai Singh	Ph. D	Professor	Animal Nutrition, Dairy Technology	30	2
Dr. R. K. Pandey	Ph. D	Professor	Animal Husbandry and Dairy Technology	25	2
Dr. D. C. Rai	Ph. D	Professor	Dairy Technology	19	1
Dr. Tanweer Alam	Ph. D	Assistant Professor	Dairy Science and Technology	4	Nil
Dr. V. K. Paswan	Ph. D	Assistant Professor	Animal Nutrition; B.V. Sc. & AH	2	Nil

12. List of senior Visiting Fellows, faculty, adjunct faculty, emeritus professors: Nil

13. Percentage of classes taken by temporary faculty – programme-wise information: Nil

14. Programme-wise Student Teacher Ratio **M. Sc. 24 : 7; Ph. D 10 : 7**

15. Number of academic support staff (technical) and administrative staff: sanctioned and

filled

Support Staff Positions	Sanctioned	Filled	Vacant
Academic Support Staff (Technical)			
Sr. lab Assistant	01	01	Nil
Lab Attendant	01	01	Nil
Administrative Staff (Non-Teaching)			
Sr. Assistant	01	01	Nil
Office Peon	01	01	Nil

16. Research thrust areas recognized by funding agencies

- ✓ Method standardization and validation, shelf life enhancement and commercialization of traditional dairy products
- ✓ Development of novel function dairy foods like antioxidant enriched, ω -3 fatty acids enriched, low cholesterol, herbal based and mineral and vitamin fortified dairy products
- ✓ Improving production and reproduction potential of farm animals by newer biotechnological approaches like genomics and proteomics
- ✓ Selective breeding of livestock for thermo tolerance, disease resistance and increased milk production
- ✓ Strengthening animal nutrition by biotechnological modifications of rumen microorganisms to enhance animal productivity

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies and grants received project-wise.

Projects on National Funds - 1

Projects on International funds - 0

18. Inter-institutional collaborative projects and grants received

e) All India collaboration b) International (AIP funds for training programme)

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, etc.; total grants received. **UPCAR Funds (Rs. 14.55 lakh)**

20. Research facility / centre with

- state recognition : Nil
- national recognition : Nil
- international recognition : Nil

21. Special research laboratories sponsored by / created by industry or corporate bodies **Nil**
22. Publications:
- * Number of papers published in peer reviewed journals (national / international) **50**
 - * Monographs
 - * Chapters in Books **4**
 - * Edited Books
 - * Books with ISBN with details of publishers **1**
 - * Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
 - * Citation Index - range / average
 - * SNIP
 - * SJR
 - * Impact Factor - range / average
 - * h-index
23. Details of patents and income generated **Nil**
- 24. Areas of consultancy and income generated Dairy Science and Technology**
25. Faculty selected nationally/ internationally to visit other laboratories in India and abroad
 Prof. Alok Jha
 Prof. D. C. Rai
26. Faculty serving in
 a) National committees b) International committees c) Editorial Boards d) any other
 (please specify)
27. Faculty recharging strategies: By **Orientation and Refresher courses, other training programs like e-learning, course pedagogy etc.**
28. Student projects
- percentage of students who have done in-house projects including inter-departmental projects **100**
 - percentage of students doing projects in collaboration with other universities / industry / institute
29. Awards / recognitions received at the national and international level by
- Faculty **One**
 - Doctoral / post doctoral fellows

- Students

30. Seminars/ Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.

31. Code of ethics for research followed by the departments

32. Student profile course-wise:

Name of the Course (refer to question no. 4)	Applications received	Selected (Total)	Pass percentage (Total)
M. Sc.	1436	71	4.9
Ph. D.	134	13	9.7

33. Diversity of students

Name of the Course (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
M. Sc.	2.0	66.20	30.8	3.0
Ph. D.	0.0	69.23	30.77	0.0

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Examination	2009	2010	2011	2012
Civil Services and Defence services Examination	Nil	Nil	Nil	Nil
ICAR NET	Nil	Nil	01	Nil
SET	Nil	Nil	Nil	Nil
GATE	Nil	Nil	Nil	Nil
CSIR	Nil	Nil	Nil	Nil

35. Student progression

Student progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil.	NA
PG to Ph.D.	4.0
Ph.D. to Post-Doctoral	NA

Student progression	Percentage against enrolled
Employed	
• Campus selection	10
• Other than campus recruitment	25
Entrepreneurs	Nil

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	01
from other universities within the State	02
from universities from other States	04
from universities outside the country	Nil

37. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period **One**

38. Present details of infrastructural facilities with regard to

a) Library

b) Internet facilities for staff and students **Yes**

c) Total number of class rooms **Two**

d) Class rooms with ICT facility : One

e) Students' laboratories **One**

f) Research laboratories **One**

39. List of doctoral, post-doctoral students and Research Associates

a) from the host university **Doctoral- 8;**

b) from other universities **Nil**

40. Number of post graduate students getting financial assistance from the university. **7**

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. **Need to create Faculty of Veterinary and Animal Sciences was felt at all levels of University.**

42. Does the department obtain feedback from

g. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback? **Yes.**

h. Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

- i. Alumni and employers on the programmes offered and how does the department utilize the feedback?
43. List the distinguished alumni of the department (maximum 10)
Dr. R. K. Sharma, Director, American Soyabean Association, New Delhi
44. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.
- Dr. S. S. H. Rizvi, International Professor, Food Science, CALS, Cornell University, USA has visited the Department and delivered lectures on Traditional dairy foods.
45. List the teaching methods adopted by the faculty for different programmes.
- Power point Presentation
 - Internal Assessment
 - Seminars
46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?
47. Highlight the participation of students and faculty in extension activities.
48. Give details of “beyond syllabus scholarly activities” of the department.
49. State whether the programme/ department is accredited/ graded by other agencies? If yes, give details.
50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.
51. Future plans of the department.
Starting of Undergraduate degree programme of B. V. Sc. and AH and B. Tech (Dairy Technology)
52. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.
- * Qualified teaching staff
 - * Excellent internet and library facility
- Weaknesses:-**
- * Paucity of lab space for individual faculty member
 - * Limitation of funds
- Opportunities :-**
- * ICAR, DBT and DST Funds could be sources

Challenges:-

- * To attract quality students in PG & Ph.D.
- * To bring the funds for strengthen the research from different Govt. Agencies.

Post-accreditation Initiatives

If the university has already undergone the accreditation process by NAAC, please highlight the significant quality sustenance and enhancement measures undertaken during the last four years. The narrative may not exceed ten pages.