



**Department of Animal Nutrition,
College of Veterinary Science and Animal Husbandry,
Kamdhenu University,
Rajpur (Nava), Himmatnagar.**

About the Department:

The department of Animal Nutrition was established in 2019, since the inception of College of Veterinary Science and Animal Husbandry, Kamdhenu University, Rajpur (Nava), Himmatnagar. The main objective of Department is to impart education to under graduate and postgraduate students. The department is being strengthened for providing the educational and research facilities to UG, PG and Diploma students and to conduct quality research in the field of Animal Nutrition.

The department has basic feed and fodder analysis laboratory setup, appreciable number of charts and small feed and fodder museum for the teaching of UG students of veterinary stream. Department has well equipped proximate analysis facility and advanced instruments for analysis and research in the field of animal nutrition like NIRS, Automated Fat and Protein analyzer and Bomb Calorimeter.

Research Project Details:

Sr. No.	Title of Research Programme	PI	Year	Status
1	Study of nutritional management practices in organized dairy farms of Sabarkantha District	Dr. S. N. Patel	2022	On Going

List of Faculty Publication:

1. Prajapati, D. C., Patel, D. C., Patel, S. N., & Dhama, A. J., (2022). Effect of Feeding Rumen Bypass Fat on Productive and Reproductive Performance of Buffaloes under Field Conditions. *Ind J Vet Sci and Biotech.* 18(5), 34-39.
2. Prajapati, D. C., Patel, D. C., Parmar, A. B., & Patel, S. N. (2022). Influence of Rumen Protected Fat Supplementation on Nutrient Intake and Feed Conversion Efficiency in Buffaloes. *Ind J Vet Sci and Biotech.* 18(5), 40-45.
3. Patel S. N., Parnerkar S. and patel D. C. (2021). AFLATOXIN M₁ IN MILK: OCCURENECE, TOXICITY AND MITIGATION. *International Journal of Agricultural Sciences.* 13(10): 86-93.
4. Patel S. N., Patel D. C., Parnerkar S., Chauhan P. A., Singh C. S. (2019). In vitro Evaluation of Green gram (*Vigna radiata* L.) Straw in The Total Mixed Ration for Cattle. *International Journal of Agriculture Sciences,* 11 (6): 93-95.
5. Chauhan P. A., Patel D. C., Singh C. S., Parnerkar S., Parmar V. N., Makwana M. D., Patel N. R., Joshi O.B. and Patel S. N, (2017) Effect of Incorporation of Gram (*Cicer arietinum* L.) Straw in Total Mixed Ration on *In-Vitro* Studies in Cattle. *International Journal of Agriculture Sciences,* 9 (7): 34-35.

6. Chaudhari, K. I., Prajapati, D. C., Lunagariya, P. M, Sorathiya, K. K., Patel, S. N., Patel, R. P. and Nayak, A. L. (2017). AN IMPORTANCE OF CHOLINE CHLORIDE FOR POULTRY AND CATTLE: AN OVERVIEW. *International Journal of Science, Environment and Technology*, 6 (5): 4-10.
7. Singh C. S., Gupta R. S., Parnerkar S., Chauhan P. A., Parmar V. N., Makwana M. D., Patel N. R., Joshi O.B. and Patel S. N., (2016). *In Vitro* Evaluation of Pigeon Pea (*Cajanus cajan*) Straw in Total Mixed Ration. *International Journal of Agriculture Sciences*, 8 (60), 51-52.

Academics:

Undergraduate (UG)

Theory and Practical (as per VCI MSVE, 2016)

Sr. No.	Courses Offered	Credits Hours
Subject: Animal Nutrition		3+1
	Theory	
1.	Unit 1 : Principles of Animal Nutrition and Feed Technology	
2.	Unit 2 : Applied Ruminant Nutrition-I	
3.	Unit 3 : Applied Ruminant Nutrition-II	
4.	Unit 4 : Applied Non-Ruminant Nutrition	
	Practical	
1.	Unit 1 : Principles of Animal Nutrition and Feed Technology	
2.	Unit 2 : Applied Ruminant Nutrition-I	
3.	Unit 3 : Applied Ruminant Nutrition-II	
4.	Unit 4 : Applied Non-Ruminant Nutrition	

