

Department of Anatomy & Histology

Profile:

The Department of Veterinary Anatomy was established in 1964 together with the inception of the college, as it deals with the basic courses of Veterinary Sciences at the level of under-graduate degree programme. At present as per the curriculum adopted under Veterinary Council of India, this department offers 4 different courses at under-graduate level. As per the ICAR, there are 8 different courses at Master's level & 10 different courses at Ph.D. level of teaching. Dr. D.R. Mudholkar was the first Head of the Department, followed by Dr. K.N. Vyas, Dr. A.S. Bagi, Dr. Y.L. Vyas and right now Dr. K.M. Panchal since February, 2015.

Faculties:

Sr. No.	Name	Designation	Phone (O)	Cell No.	Intercom	E-Mail
1	Dr. K.M. Panchal	Professor & Head	225910	9429329157	910	kmpanchal@aau.in
2	Dr. D.M. Bhayani	Professor	225910	9427457192	910	dmbhayani@aau.in
3	Dr. S.C. Dubal	Professor	225911	9601423217	911	scdubal@aau.in
4	Dr. S.P. Pandya	Associate Professor	225911	9898091826	911	Drsweta26@gmail.com

Major Activities:

I. Teaching:

A. Undergraduate Courses

Course No.	Course Title	Credits	Semester
VAN 111	Veterinary Gross Anatomy-I (Osteology, Arthology & Biomechanics)	1+2 = 3	I
VAN 121	Veterinary Gross Anatomy-II (Myology, Neurology, Angiology & Aesthesiology)	2+2 = 4	II
VAN 211	Veterinary Histology & Embryology	2+2 = 4	III
VAN 221	Veterinary Splanchnology & Applied Anatomy	1 + 1 = 2	IV

B. Postgraduate Courses

Course No.	Course Title	Credits	Semster
Master's Courses			
VAN 601	Comparative Osteology and Arthology	1 + 2 = 3	I
VAN 602	Comparative Splanchnology	2 + 2 = 4	II
VAN 603	Myology, Angiology, Neurology and Aesthesiology of Ox	1 + 3 = 4	II
VAN 604	Gross Anatomical Techniques	0 + 2 = 2	I
VAN 605	Theory and Practice of Histological and Histochemical Techniques	1 + 2 = 3	II
VAN 606	General Histology and Ultrastructure	3 + 1 = 4	I
VAN 607	Systemic Histology and Ultrastructure	3 + 1 = 4	II
VAN 608	Developmental Anatomy	3 + 1 = 4	I
VAN 691	Master's Seminar	1 + 0 = 1	I, II

VAN 699	Master's Research	20	I, II
Doctoral Courses			
VAN 701	Myology, Angiology, Neurology And Aesthesiology Of Equine, Canine And Porcine	0 + 3 = 3	II
VAN 702	Principles And Applications Of Biomechanics	2 + 0 = 2	I
VAN 703	Avian Anatomy	1 + 2 = 3	I
VAN 704	Neuroanatomy	3 + 1 = 4	I
VAN 705	Endocrine Anatomy	2 + 1 = 3	I
VAN 706	Theory and Applications of Electron Microscope	2 + 1 = 3	II
VAN 707	Histoenzymology and Immunocytochemistry	2 + 1 = 3	II
VAN 708	Applied Embryology and Teratology	1 + 2 = 3	II
VAN 709	Functional Veterinary Anatomy	2 + 0 = 2	I
VAN 710	Gross Anatomy of Laboratory Animals	1 + 1 = 2	II
VAN 790	Special Problem	0 + 2 = 2	I, II
VAN 791	Doctoral Seminar I	1 + 0 = 1	I, II
VAN 792	Doctoral Seminar II	1 + 0 = 1	I, II
VAN 799	Doctoral Research	45	I, II

II. Research

A. Research Projects Completed (2)

1. "Anatomy of the viscera of wild and zoo animals" funded by ICAR as ad hoc Research Scheme; Year: 2000-03 (Budget outlay: Rs.10,25,096=00)

PI: Dr. D.M. Bhayani; **Co-I:** Dr. K.M. Panchal

2. "Prepubertal development of mammary glands of Surti buffalo" funded by ICAR as ad hoc Research Scheme; Year: 2000-03 (Budget outlay: Rs.12,64,700=00)

PI: Dr. K.M. Panchal; **Co-I:** Dr. D.M. Bhayani

B. Research Projects On going: Nil

C. Number of M.V.Sc & Ph.D. degrees awarded

1. M.Sc. : 03

2. M.V.Sc. : 16

3. Ph.D. : 08

D. Research Publications: 360

E. Research Recommendations: Nil

III. Extension

A. Refresher Training Courses/Summer-Winter Schools conducted: Nil

B. Seminar/Symposia/Conference/workshop organized : 03

C. Diagnostic Services / Clinical Campus / Farmers' advisory : Nil

D. NSS Camps/ Krushi Mahotsav/ Pashudhan Sibirs / Radio & TV Talks Delivered / Exhibitions / Farmer's meet-day / Kisan Call Centres / Field Visits:

All the staff had performed their duties of Krushi Mahotsav throughout the 10 years at various places of the Central Districts of Gujarat, jointly organised by the State Govt. of Gujarat and AAU, Anand.

Dr. K.M. Panchal acted as an Expert Scientist in the Ravi-Krushi Mahotsav, 2014 & 2015 in Baroda District.

E. Expert services to State governments / Co-op. dairies/ Other agencies/NGOs:

Delivered Expert Lectures on Avian Anatomy during the Kite Flying Festival in the Bird Rescue Program organised jointly by NGO & College.

F. No. of Publications:

1. Popular articles : 30
2. Books : Nil
3. Booklets : Nil
4. Pamphlets : Nil
5. Leaflets : Nil
6. Souvenir : 03
7. Compendium : Nil
8. Chapters : 11
9. Lab Manuals : 04
10. Training Manual: 01
11. Lecture Notes : 04
12. Monograph : 01

G. Visitors : 04

Achievements:

A. Awards:

- i. Gold medals : 03
- ii. Bhaikaka Prerit Hari Om Ashram Award : 03
- iii. Recognitions : Nil
- iv. Appreciations : 05

B. Assignments

- i. Subject Experts : 04
- ii. Members (Selection Committee/Advisory Board) : 03

C. Advanced Instrumentation / Lab Facilities : Nil

D. Patents field / Technology Developed: : Nil

E. Other Recognitions

1. UGTC: Dr. K.M. Panchal, Prof. & Head (Since October 2006)
2. Hostel Rectors: Dr.K.M.Panchal, Dr. D.M. Bhayani; Dr.Sweta Pandya.
At present Dr. D.M. Bhayani (As Rector for 3 years)
3. Officer In-Charge: College Vehicles: Dr. D.M. Bhayani
4. Charge of Library Computers: Dr. S.C. Dubal

Future Thrust Areas:

The Department is intended to work on the basic research related to Gross and Histomorphological aspects of various systems of the Avian Species, Nervous system of the Goat and Buffalo, Viscera of the Wild Species as well as Sonographic land marks of various viscera of the buffalo as a source of basic & reference information for scientific research.