

Format for Dept Information for AAU Web Site for Up Grading: June 2016



Name of Department: Veterinary Surgery and Radiology

Profile (In Brief): The Department is a part of College of Veterinary Science & Animal Husbandry is a reputed educational and research institute in India. Established on 16th August, 1964 by the Govt. of Gujarat, the department along with college became a part of Gujarat Agriculture University in the year 1974 and at present is constituent department of recently formed Anand Agricultural University. It has played a key role in the development of livestock sector in Gujarat state. The Department of Surgery & Radiology is a **REFERRAL CENTER** for diagnosis and treatment of animals brought from length and breadth of Gujarat and neighboring states.

First Time in history of Veterinary Surgery in India:

- Large animal operation theatre integrated with Padded Recovery Room.
- Theloscopy and Theloressectoscopy Unit for teat surgery
- Use of C -arm in orthopaedic surgery
- Computerized Radiographic Unit
- Use of CO2 and Diode Laser unit in Veterinary Surgery
- Large Animal Tip Chute cum claw trimmer for hoof trimming under field conditions
- Experimental evaluation of drug eluting and bar metal stents in Rabbits and Dogs
- Dry Lab and Wet Lab facilities for Ophthalmic and microsurgical training
- Ophthalmic Unit – undertakes Cataract and other Surgeries.
- For the first time in India introduced the concept of Eye and dental clinical camp, Camel camp and Goat camp.

Faculties:

Sr. No	Name with photograph	Designation	Phone (O)	Cell No	Inter Com No.	E-Mail
1	Dr. P. V. Parikh 	Professor and Head	02692-263634	9879027547	971	pvpaikh@aaui.in
2	Dr. J. J. Parmar 	Assistant Professor		8866216358	929	jjparmar@aaui.in
3	Dr. J. K. Mahla 	Assistant Professor		9426319832	972	jkmahla@aaui.in

Major Activities:

I. Teaching

A. UG Courses :

Code	Course Title	Credit
VSR-411	General Veterinary Surgery, Anaesthesiology & Diagnostic Imaging	2+2=4
VSR-421	Veterinary Orthopedics and Lameness	1+1=2
VSR-511	Regional Veterinary Surgery	2+1=3

B. PG Courses :

Code	Course Title	Credit
VSR 601	Principles Of Surgery	2+0
VSR 602	Clinical Practice – I	0+3
VSR 603	Clinical Practice – II	0+3
VSR 604	Small Animal Anaesthesia	2+1
VSR 605	Large Animal Anaesthesia	2+1
VSR 606	Diagnostic Imaging Techniques	2+1
VSR 607	Veterinary Ophthalmology and Dentistry	1+1
VSR 608	Small Animal Soft Tissue Surgery	2+1
VSR 609	Large Animal Soft Tissue Surgery	2+1
VSR 610	Orthopaedic and Limb Surgery	2+1
VSR 691	Master's Seminar	1+0
VSR 699	Master's Research	20
VSR 701	Clinical Surgical Practice – I	0+2
VSR 702	Clinical Surgical Practice – II	0+2
VSR 703	Clinical Surgical Practice – III	0+2
VSR 704	Anaesthesia of Wild and Laboratory Animals	1+1
VSR 705	Advances In Anaesthesiology	2+1
VSR 706	Advances In Diagnostic Imaging Techniques	2+1
VSR 707	Neurosurgery	2+1
VSR 708	Experimental Surgical Techniques in Animals	1+1
VSR 789	Special Problems in Anaesthesia	0+2
VSR 790	Special Problems in Surgery	0+2
VSR 791	Doctoral Seminar I	1+0
VSR 792	Doctoral Seminar II	1+0
VSR 799	Doctoral Research	45

II. Research

A. Research Projects Completed (No., Title, Agency, Period, Budget Outlay, PI/Co-PI):

No	Title	Agency	Period	Budget Outlay	PI/Co-PI
1	Newer Approaches in Surgical Treatment of Animals	RKVY B.H. :18375	4 years	1 st phase- 174 lacs; 2 nd phase- 169.82 lacs	PI: Dr. D. B. Patil Co-PI: Dr. P. V. Parikh Dr. P. H. Tank
2	Molecular understanding of Progressive retinal Atrophy in dogs bred in India	DBT B.H. 18479	3 year	92,76,400/-	PI: Dr. D. B. Patil Co-PI: 1. Dr. C. G. Joshi, Prof. & Head, Dept. of Ani. Biotechnology, Dr. 2. Dr. P. V. Parikh, Prof., Dept. of Vety Surgery & Radiology, 3. Dr. P. G. Koringa, Asst. Prof., Dept. of Ani. Biotechnology, 4. Dr. Madhvi Sheth, Vitreoretinal Surgeon, Vadodara

B. Research Projects On going (No., Title, Agency, Period, Budget Outlay, PI/Co-I)

No	Title	Agency	Period	Budget Outlay	PI/Co-PI
1	Strengthening of Livestock & Veterinary component at Anand.	GOG	January, 2001 to continue	9834000/-	PI: Dr. Dr. P. V. Parikh Co-PI: Dr. J. J. Parmar Co-PI: Dr. J. K. Mahla

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

No. of PG Students	No. of PhD Students
101	8

D. Research Publications (No.): 80

E. Research Recommendations: 04

(For Scientific / Farmers Community; Year wise; Text)

For Scientific Community

1. Year 2011

The wet lab model using cadaver teats is useful for hands on training in endoscopic teat surgery. During theloscopy and theloressectoscopy teats filled with air and water, respectively provides better visualization.

2. Year 2011

For ultrasonography of forestomach in goats, 7.5 MHz convex probe is suitable, while 15-18 MHz linear probe is ideal for rumeno-reticular groove, longitudinal, transverse and coronary omaso-abomasal grooves, rumen papillae and reticular wall.

3. Year 2015

For surgical removal of *Setaria spp.* worm from anterior chamber of horse by modified clear corneal stab incision, a 2.8 mm pointed tip 45⁰ angled keratome is suggested.

For Farmer Community

1. Year 2011

Reduction in milk production (32.33%) in animals especially maintained on pakka floor and stall fed was observed due to hoof disorders, hence should be subjected to hoof trimming at least once in a year.

III. Extension

A. Refresher Training Courses / Summer-Winter Schools conducted

Sr. No.	Title of Training Courses/ Summer-Winter School	Year	Place
1	Advance Training on Veterinary Surgery and Radio-imaging Techniques for Field veterinarians from Chhattisgarh state under RKVY	2010	Dept of VSR
2	ASCAD Training on Surgery aspects including Surgical techniques & X- ray techniques	2011	Dept of VSR
3	Training and Demonstration on Ophthalmological Examination of Laboratory Animals.	2011	Dept of VSR

4	Training on Management of injured birds	2011	Dept of VSR
5	Training on Ideal Panjrapole Management	2011	Dept of VSR
6	ASCAD Training on Surgery aspects including Surgical techniques & X- ray techniques	2013	Dept of VSR
7	ASCAD Training on Surgery Aspects Including Surgical & X-Ray Techniques	2014	Dept of VSR
8	ASCAD Training on Surgery Aspects Including Surgical & X-Ray Techniques	2014	Dept of VSR

B. Seminar/Symposia/Conference/Workshop organized:

Sr. No.	Title of Seminar/Symposia/Conference/Workshop organized:	Year	Place
1	XXXIV Annual Congress of ISVS & International Symposium on “Ruminant Surgery in Polyclinics Co-operative Dairies and Shelters: Perspective 2020”	2012	Dept of VSR
2	Workshop on Management of injured birds	2013	Dept of VSR
3	Workshop on Surgical ophthalmology in small animal practice	2013	Dept of VSR
4	Workshop on Surgical ophthalmology in small animal practice	2013	Dept of VSR
5	Workshop on Management of injured birds	2013	Dept of VSR
6	Workshop on Ophthalmic Surgeries in Small Animal Practices	2014	Dept of VSR
7	Workshop on “Management of injured birds”	2014	Dept of VSR
8	Workshop on “Surgical Ophthalmology in Small Animal Practice”	2015	Dept of VSR
9	Workshop on “Management of injured birds during Utarayan”	2016	Bodakdev, Ahmedabad
10	Workshop on “Management of injured birds during Utarayan”	2016	Dept of VSR

C. Diagnostic Services / Clinical Camps/Farmers’ advisory services/Ambulatory Clinics/Vaccination camps

Sr. No.	Title	No.
1	Diagnostic Services	600
2	Clinical Camps	340
3	Farmers’ advisory services	580
4	Ambulatory Clinics	Once In a every three months
5	Vaccination camps	50

**D. NSS Camps/ Krishi Mahotsav/ Pashupalan Shibirs/Radio-TV Talks
Delivered/Exhibitions/Farmers' meet-day/Kisan Call Center/Field Visits**

Sr. No.	Title	No.
1	NSS Camps	0
2	Krishi Mahotsav	3
3	Pashupalan Shibirs	5
4	Radio-TV Talks Delivered	1
5	Exhibitions	10
6	Farmers' meet-day	10
7	Kisan Call Center	10
8	Field Visits	100

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

Sr. No.	Title	No.
1	State Government	85
2	Co-op. dairies	120
3	Other agencies (Forest Dept)	60
4	NGOs	45

**F. No. of Publications of Popular articles /Books /Booklets /Pamphlets /Leaflets/
Souvenir/Compendium/ chapters/ Lab Manuals / Training Manuals etc.**

Sr. No.	Title	No.
1	Popular articles	18
2	Books	2
3	Compendium	1
4	Training Manuals	8

G. Visitors

Sr. No.	Date	Name	Designation, Company/ Institute
1	14/10/2009	Anjani Kumar	Director Animal Welfare, M/O Environment and Forest, New Delhi
2	06/06/2010	Major General Y V Mohan	Commandant, EME School, Vadodara
3	11/07/2011	Kamal Kishor	Under Secretary, Animal Welfare Division, M/O Environment and Forest, New Delhi
4	18/03/2013	Dr. S. Abdul Rahman	President, Common Wealth Veterinary Association
5	30/05/2014	The Kenya Dairy Farmers federation and the East Africa Dairy Development Project Team	The Kenya Dairy Farmers federation and the East Africa Dairy Development Project Team
6	11/02/2015	Dr. Jigeesha Sheth	Vice President, Gujarat Municipal Finance Board, Gandhinagar
7	11/02/2015	Mr. Jagdish Parekh	Director, Gujarat Municipal Finance Board, Gandhinagar.
8	23/03/2016	Capt. Nitin Shere	Mumbai

A. Any other items

Achievements:

A. Awards/Honours/Recognitions/Appreciations

Sr. No	Name	Award/ Appreciation	Society/Agency	Place	Year
1	Dr. D. B. Patil	Exemplary Vet Award	Gujarat Veterinary Association	Ahmedabad	2010
2	Dr. P. V. Parikh	National Fellow of ISVS Award	Indian Society for Veterinary Surgery	Kolkata	2010
3	Dr. P. V. Parikh and Dr. D. B. Patil	Prof. J. P. Trivedi Award	Gujarat Association for Agricultural Sciences.	Ahmedabad	2012
4	Dr. D. B. Patil and Dr. P. V. Parikh	2 Gold Medals for best paper presentation	Indian Society for Veterinary Surgery	Bikaner	2014

5	Dr. D. B. Patil & Dr. P. V. Parikh and Dr. J. J. Parmar	Appreciation Award for paper presentation	Indian Society for Veterinary Surgery	Bikaner	2014
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B. Assignments as Subject Expert / Member (Selection Committee/Advisory Board)

Sr. No.	Name of the Scientist	Place	Year	Committee
1	Dr. P. V. Parikh	Rajasthan Public Service Commission, Ajmer	2008	Selection Committee
2	Dr. P. V. Parikh	SAG Bidaj Farm	2000	Technical Advisor
3	Dr. P. V. Parikh	Selection of Associate Professor and Head, Bikaner, RAJUVAS	2013	Selection Committee
3	Dr. P. V. Parikh	Selection of Assistant professor, Junagadh	2015	Selection Committee
4	Dr. P. V. Parikh	Selection of Assistant Professor, Anand Agricultural University	2015	Selection Committee
5	Dr. P. V. Parikh	Rajasthan Public Service Commission, Ajmer	2016	Selection Committee

C. Advanced Instrumentation / Lab Facilities

Sr. No.	Name of the Instrument/ Lab Facilities/ Operation Theatre	Sr. No.	Name of the Lab Facilities/ Operation Theatre
1	Theloscopy & Theloresectoscopy Unit	1	Soft tissue Operation Theatre
2	X-Ray Machine	2	Orthopedic Operation Theatre
3	Computerized Radiography Unit	3	Ophthalmology Operation Theatre
4	Ultrasonography Unit	4	Dental Unit Operation Theatre
5	3 Meter Long Video Endoscope	5	Large Animal Operation Theatre
6	Padded Recovery Room	6	Dry Lab for PGs and Trainees
7	Portable Large Animal Operation Table	7	Wet Lab for PGs and Trainees
8	Ophthalmic Micro Surgical Unit	8	Animal House
9	Hoist Sling	9	Surgical Patient Indoor Ward

D. Patents filed / Technology Developed

E. Other Recognitions (SRC/NSS/AGRESCO Convener/Hostel Rector etc.)

Sr. No.	Name of the Scientist	SRC	Year
1	Dr. P. V. Parikh	Advisor Indoor Game	2005-2006
2	Dr. J. J. Parmar	Advisor Indoor Game	2015-2016
3	Dr. J. K. Mahla	Advisor Outdoor Game	2015-2016



MARS India Ltd. Ophthalmic Training



Bird Release



Surgical Camp