

## Department of Veterinary Medicine

### Vanbandhu College of Veterinary Science and A.H.

Navsari Agricultural University, Navsari-396450 , Gujarat, India

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#### Departmental Activities:

##### Education:

The department of veterinary medicine provides effective teaching for the undergraduate courses as per VCI syllabus as well as offers post graduate courses as per ICAR syllabus using state of art learning modules. The undergraduate and post graduate courses taught by the department are as follow-

##### Undergraduate Courses

SN	Name of the Course	Course No.	Credit Hrs.
1	Veterinary Clinical Medicine-I (Gen. & Systemic)	VMD-411	3 (2+1)
2	Veterinary Preventive Medicine-I (Bact., Fungal & Rickett)	VMD-412	2 (2+0)
3	Veterinary Clinical Medicine-II (Metabolic & Deficiency)	VMD-421	2 (2+0)
4	Veterinary Preventive Medicine-II (Viral & Parasitic)	VMD-422	2 (2+0)
5	Animal Welfare, Ethics and Jurisprudence	VMD-511	2(2+0)
6	Zoo/Wild Animal Breeding, Nutrition, Management and Health Care	VMD-512	2(1+1)
7	Pet Animal Breeding, Nutrition, Management and Health Care	VMD-513	2(1+1)
	<b>Total Credits</b>		15(12+3)

##### Master's and Doctoral Degree Courses

##### Master's Degree: Veterinary Clinical Medicine, Ethics and Jurisprudence

SN	Name of the Course	Course No.	Credit Hrs.
1.	Master's Seminar	VCM 691	1+0
2.	Special Problem	VCM 790	0+1
3.	Avian Medicine	VCM 606	1+1
4.	Ruminant Medicine –I	VCM 601	2+0
5.	Ruminant Medicine – II	VCM 692	2+0

6.	Canine & Feline Clinical Medicine	VCM 604	2+0
7.	Clinical Diagnostic Techniques	VCM 612	1+2
8.	Clinical Practice I	VCM 614	0+3
9.	Clinical Practice II	VCM 615	0+3
10.	Veterinary Emergency Medicine	VCM 613	0+2
11.	Equine Clinical Medicine	VCM 603	2+0
12.	Swine Clinical Medicine	VCM 605	0+1
13.	Zoo, Wild & Laboratory Animal Medicine	VCM 607	2+0
14.	Production Diseases	VCM 609	2+0
15.	Diseases of Animals Caused by Toxicants	VCM 610	1+0
16.	Veterinary Forensic Medicine	VCM 611	1+1
17.	Master's Research	VCM 699	20

### **Doctoral Degree: Veterinary Clinical Medicine, Ethics and Jurisprudence**

<b>SN</b>	<b>Name of the Course</b>	<b>Course No.</b>	<b>Credit Hrs.</b>
1	Advances in Gastroenterology	VCM 701	2+1
2.	Advances in Cardio-pulmonary Medicine	VCM 702	2+0
3.	Advances in Neurological & Urological Disorders	VCM 703	2+0
4.	Advances in Endocrinology & Dermatological Disorders	VCM 704	2+0
5.	Advances in Production Diseases	VCM 705	2+0
6.	Advances in Paediatrics and Geriatrics	VCM 706	1+0
7.	Advanced Clinical Practice I	VCM 709	0+2
8.	Advanced Clinical Practice II	VCM 710	0+2
9.	Advanced Clinical Practice III	VCM 711	0+2
10.	Advanced in Veterinary Therapeutics	VCM 708	1+1
11.	Advances in Veterinary Diagnostics	VCM 707	1+2
12.	Doctoral Seminar I	VCM 791	1+0
13.	Doctoral Seminar II	VCM 792	1+0
14.	Ph.D. Thesis Research	VCM 799	45

### Master's Degree: Veterinary Epidemiology and Preventive Medicine

<b>SN</b>	<b>Name of the Course</b>	<b>Course No.</b>	<b>Credit Hrs.</b>
1.	Principles Of Epidemiology	VEP 601	2+0
2.	Applied Epidemiology	VEP 602	1+1
3.	Livestock And Poultry Disease Investigation	VEP 603	0+2
4.	Veterinary Clinical Epidemiology	VEP 604	1+1
5.	Biosecurity Practices In Disease Prevention	VEP 605	1+1
6.	Infectious Diseases of Ruminants I	VEP 606	2+1
7.	Infectious Diseases of Ruminants II	VEP 607	2+1
8.	Infectious Diseases of Equines	VEP 608	1+1
9.	Infectious Diseases of Canines And Felines	VEP 609	2+1
10.	Infectious Diseases of Poultry	VEP 610	2+1
11.	Infectious Diseases of Animal Species of Regional Importance	VEP 611	2+1
12.	Infectious Diseases of Laboratory and Zoo Animals	VEP 612	1+0
13.	Master's Seminar	VEP 691	1+0
14.	Master's Research	VEP 699	0+20

### Doctoral Degree: Veterinary Epidemiology and Preventive Medicine

<b>SN</b>	<b>Name of the Course</b>	<b>Course No.</b>	<b>Credit Hrs.</b>
1.	Recent Concepts in Epidemiology and Disease Forecasting	VEP 701	2+1
2.	Herd Health Management	VEP 702	2+1
3.	Data Collection , Management and Presentation	VEP 703	2+1
4.	Survey and Surveillance	VEP 704	2+1
5.	Emerging and Re-Emerging Animal Diseases	VEP 705	2+0
6.	Ecology of Diseases	VEP 706	2+0
7.	Molecular Approaches in Epidemiology	VEP 707	2+1
8.	Advances in Prevention & Control of Infectious Diseases of Ruminants	VEP 708	2+1
9.	Advances in Prevention and Control of Infectious Diseases of Equines	VEP 709	2+1
10.	Advances in Prevention and Control of Diseases in Pet Animals	VEP 710	2+1
11.	Advances in Prevention and Control of Diseases in Poultry	VEP 711	2+1
12.	Advances in Infectious Diseases of Laboratory and Zoo Animals	VEP 712	1+0
13.	Advances in Diagnosis and Management of Toxicological Conditions	VEP 713	1+1
14.	Special Problem	VEP 790	0+2

15.	Doctoral Seminar I	VEP 791	1+0
16.	Doctoral Seminar II	VEP 792	1+0
17.	Ph.D. Thesis Research	VEP 799	45

### Certificate Course:

The department is conducting 6 months certificate course on “First Aid in Avian Health Management” from July 2017 onwards.

### Research:

The faculty members are actively involved in the diagnostic and therapeutic management of clinical cases presented at Teaching Veterinary Clinical Complex, Veterinary College, Navsari. Besides this, the department has completed one research project and one research project is in progress. The details of research projects are as follow-

Type of Project	Title of Project	Principal Investigator	Year of commencements	Status of project	Remarks
Departmental	Epidemiological surveillance of common prevalent animal diseases in the periphery of Navsari town.	Dr.S.V.Mavadiya	2010	Concluded	Data generated for base line research
Departmental	Diagnosis & Management of Ascites in canines	Dr.A.A.Vagh	2015	Ongoing	--

### Thesis submitted in the Department:

#### Master Degree:

SN	Name of Student	Major Guide	Title of Thesis	Year
1.	Ronak Shrimali	Dr.M.D.Patel, Asst.Res.Scientist, LRS, Navsari	Prevalence and Clinico-therapeutic aspects of Fascioliosis in Goats of Navsari and Valsad Districts	2015
2.	Ravindra Thakor		Sero-Epidemiological aspect of Peste des Petis Ruminants (PPR) in Goats of Navsari and Valsad districts.	2015
3	Rohan N.Kelawala	Dr.R.M.Patel, Professor, Medicine	Clinico-heametobiochemical, imaging and therapeutic studies on ascites in canines	2016

### Doctorate Degree:

4	Dr.A.A.Vagh	Dr.R.M.Patel, Professor, Medicine	Ameliorative effect of medicinal herbs on gentamicin induced nephrotoxic rat model	2017
5.	Dr.S.A.Mehta		Sero – molecular diagnosis and therapeutic management of Canine parvovirus infection in and around Navsari district	2018

### Extension:

Every year, the faculty members sincerely participate and provide expertise treatments and advices in the various clinical camps organized by the Department of Animal Husbandry, Government of Gujarat, University and Veterinary College, Navsari. The faculties are deputed as an expert in the investigation team of outbreak occurred in the nearby places. Moreover, expertise services are also provided at **Deer Park, Vasanda (Gujarat)** managed by forest department as well during *Krishi Mahotsav* organized by the Government of Gujarat.

### Glimpses of departmental contribution in animal services



Hon.Chief Minister Smt.Anandiben Patel visiting during Mega Clinical Camp at Vyara

**Educational tour organized by the department**



Dudhsagar dairy, Mehsana



Kankaria Zoo, Ahmedabad

**Celebration of 'World Rabies Day' by the department**



**Clinical services at TVCC and Ambulatory clinics , Veterinary College, Navsari**



## ASCAD trainings and One day technical seminar organized by the department



### Miscellaneous:

- Dr.A.A.Vagh is serving as Associate NCC officer, Veterinary College, Navsari
- Dr.A.A.Vagh is serving as course director for certificate course on "First Aid in Avian Health Management"
- Dr.A.A.Vagh and Dr.S.A.Mehta are serving as advisors in the Student's Representative Council, Veterinary College, Navsari.
- Dr.S.V.Mavadiya, Dr.A.A.Vagh and Dr.S.A.Mehta nominated as a members of IAEC of various institutes of Gujarat by the Committee for Purpose of Control and Supervision of Experimentations of Animals, Government of India, New Delhi
- The faculties are also acting as advisors for Trekking programme (as per VCI syllabus)
- The faculties have served as Presiding Officer during various legislative and parliamentary elections.

### Facilities available in the department:

Diagnostic and Therapeutic Equipments Available:

Apart from regular diagnostic and therapeutic equipments and facilities, following state of art equipments are available:- Haemodialysis device, Color Doppler Ultrasound Unit, Automatic blood analyzer, Serum biochemical analyzer; ECG machine; Spectrophotometry

### Achievements of Faculty members:

1. During the XXXI Annual convention of Indian Society of Veterinary Medicine held at Veterinary College, Mhow on 9-11<sup>th</sup> January, 2013, the following awards were received by the faculty members of the department

- Dr.SV.Mavadiya got **best paper award** for oral presentation on “Clinico epidemiological studies on equine influenza in horses of Gujarat state” in the session of ‘Equine and Pack Animal Medicine’
- Dr.S.A.Mehta got **best paper award** for oral presentation on “The efficacy of bi-herbal plant extract on serum parameters in paracetamol induced hepatotoxic rats ” in the session of ‘Ethno Veterinary Medicine’