



**CENTRE OF ADVANCED FACULTY TRAINING
IN
VETERINARY CLINICAL MEDICINE, ETHICS AND JURISPRUDENCE
MADRAS VETERINARY COLLEGE
CHENNAI**

Introduction:

The Indian Council of Agricultural Research funded Centre of Advanced Faculty Training in Veterinary Clinical Medicine, Ethics and Jurisprudence, is functioning in the Department of Veterinary Clinical Medicine, Ethics and Jurisprudence, Madras Veterinary College, TAMILNADU VETERINARY AND ANIMAL SCIENCES UNIVERSITY, Chennai from May 1995.

The Center has the distinction of not only the oldest, but the most advanced and premier centre of excellence in the country in the field of veterinary clinical medicine in clinical education, research, technology development and transfer, training and skill development, patient care and is known worldwide for the leadership in its clinical care and tertiary care. International Students Clinical Externships at this Hospital and its Referral Clinics are increasing year on year and it bears testimony to its excellence. International Experts are frequent visitors for knowledge exchange and skill development.

Beside its national and international eminence for education and research, the Center has an excellent infrastructure for the conduct of basic and advanced trainings, skill and professional development programmes, faculty and professional development programmes for a different kind of professionals like veterinary academicians, faculty, scientists and researchers of SAUs, SVUs, ICAR and related institutions as well as field veterinary practitioners and specialty practitioners.

The Centre has a State of the art Seminar Hall equipped with latest multimedia and audiovisual equipments, communication systems, networking facilities, wireless connectivities and air conditioners. Since the inception of the Centre, the training programmes of this Centre are in high demand throughout India as well as from South Asia and Southeast Asia. So far 35 National Training Programmes (of 21 day durations) were conducted successfully with more than 95% attendance by participants from all over India.

Objective of CAFT:

- Providing training and retraining in specialized and need based subjects primarily, for augmenting the teaching-learning capacity of faculty.

Faculty Strength/Expertise in identified area of CAFT, with Names and Designations (as on 30.09.2011):

Core Faculty of Clinical Medicine at CAFT:

Sl.No	Name and Designation	Area of specialization	No. of research paper published in area of specialization
1.	Dr.A.P.Nambi, Professor cum Director	Emergency Medicine & Dermatology	25
2.	Dr.P.S.Thirunavukkarasu, Professor	Ophthalmology & Internal Medicine	25

3.	Dr.R.V.Suresh, Professor	Internal Medicine	15
4.	Dr.M.G.Jayathangaraj, Professor	Internal Medicine & Exotic Species Medicine	10
5.	Dr.M.Maheshkrishna, Associate Professor	Internal Medicine	10
6.	Dr.S.Kavitha, Associate Professor	Nephrology, Gastroenterology & Dermatology	15
7.	Dr.P.Selvaraj, Associate Professor	Emergency Medicine, Cardiology & Dermatology	15
8.	Dr.M.Chandrasekar, Associate Professor	Cancer Medicine & Internal Medicine	10
9.	Dr.B.Gowri, Assistant Professor	Medical Imaging & Internal Medicine	5
10.	Dr.P.Thirunavukkarasu, Assistant Professor	Emergency Medicine & Internal Medicine	5

Faculty of Clinical Medicine at line departments supporting CAFT Activity:

Sl. No	Name of the Resource Person	Area of Specialization	No. of research paper published in area of specialization
1.	Dr.P.Dhanapalan, Prof & Head, Bioinformatics	Cardiology, Internal Medicine & Bioinformatics	50
2.	Dr.S.R.Srinivasan, Dean, MVC & Faculty of Basic Sciences	Nephrology & Internal Medicine	50
3.	Dr.S.Prathaban, Director of Clinics	Medical Imaging & Internal Medicine	50
4.	Dr.B.Nagarajan, Professor, Dept.of Clinics	Dermatology & Respiratory Medicine	20
5.	Dr.K.Jeyaraja, Assistant Professor, Clinics	Cardiology & Neurology	15
6.	Dr.Bala Gangathara Thilagar, Assistant Professor, Clinics.	General Medicine & Clinical Toxicology	10
7.	Dr.D.Sumathi, Assistant Professor, Clinics	Gastroenterology & Dermatology	5
8.	Dr.G.Bharanidharan, Asst Professor, ECCU.	Emergency & Critical Care Medicine	5
9.	Dr.C.S.Arunaman, Asst Professor, ECCU	Emergency & Critical Care Medicine	5
10.	Dr.V.Vijayanand, Asst Professor, VUPH	Gastroenterology	15

11.	Dr.D.Chandrasekaran, Asst. Professor, Clinics	Internal Medicine &Medical Imaging	5
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**Human Resource Development :
Particulars of Short Courses /Training Programes for HRD conducted during XI
plan period**

Year	Name of Program	Period	No. of Participants		Total	No. of Beneficiaries other than the Host institution	
			Internal	External		Institutions	States
2007-08	An Update on Diagnostic and Therapeutic Procedures in Veterinary Practice.	18th January 2007 and 07th February 2007	2	18	20	RAGACOVAS, KVAFSU, ICAR-NEH, SKUAST	Pondicherry, Karnataka, Meghalaya, Jammu and Kashmir,
2007-08	Current Clinical Concepts in Veterinary Practice	29.11.2007 to 19.12.2007	2	16	18	KVAFSU, RAGACOVAS, MAFSU, UAS-Dharwad, SVVU, Bihar veterinary College, IVRI, KVAFSU, MASU,	Karnataka, Pondicherry, Maharashtra, Karnataka, Andhra Pradesh, Bihar, Uttar Pradesh, Karnataka,
2008-09	Current Concepts in Veterinary Emergency and Critical Care Practice	10.09.2008 to 30.09.2008	2	13	15	KVAFSU, RAGACOVAS, MAFSU, SVVU, Bihar veterinary College, IVRI, KVAFSU, MAFSU	Karnataka, Pondicherry, Maharashtra, Karnataka, Andhra Pradesh, Bihar, Uttar Pradesh, Karnataka,
2008-09	Updates in Veterinary Internal Medicine	5.11.2008 to 25.11.2008	2	13	15	MAFSU, NRC-Pigs – Assam, RAU, KVAFSU, CSWRI, KAU, SKUAST	Maharashtra, Assam, Bihar, Karnataka, Himachalpradesh, Kerala, Jammu and Kashmir
2009-10	Current Trends in Farm and Pet Animal Practice under Changing Economic Scenario	03.03.2010 to 23.03.2010	1	18	19	AAU, BMAU, WBUAFS, RDSKVK, MAFSU, KUAVS, DUVASU, SVVU, RAGACOVAS	Assam, Jammu and Kashmir, Jharkhand, Maharashtra, Kerala, Puducherry Tamil Nadu
2010-11	Clinical Procedures and Skill Developments in Veterinary Clinical Curriculum	24.11.2010 to 14.12.2010	1	16	17	AAU, BMAU, WBUAFS, RDSKVK, MAFSU, KUAVS, DUVASU, SVVU, RAGACOVAS	Assam, Jammu and Kashmir, Jharkhand, Maharashtra, Kerala, Puducherry Tamil Nadu
2011-12	Advanced Diagnostic and Therapeutic Techniques	03-23 Aug 2011	2	13	15	KVAFSU, RAGACOVAS, MAFSU, SVVU, Bihar	Karnataka, 4 Pondicherry, Maharashtra, Karnataka, Andhra Pradesh. Bihar.

Infrastructure development (equipments etc.,)

Under CAFT Funds during XI Plan Period:

- ❖ Coagulation Analyzer
- ❖ Replacement of CAFT Seminar Hall Multimedia Projector
- ❖ Replacement of CAFT Seminar Hall Air conditioners

Renovation of Lecture Room/Laboratories

Works under University Funds and Other Grants:

New Referral Clinics Established:

- ❖ **Critical Care Unit (CCU)**
 - The First of its kind in India
 - State of the Art Life Support Facilities & Critical Monitoring Facilities
 - Round the Clock support for Advanced Emergency Care

Strengthening of Existing Referral Clinics:

- ❖ **Cardiology Referral Clinic**
 - Cardiology Referral Clinic established in 1985 was strengthened with advanced diagnostic and therapeutic equipments
 - Digital Phonocardiography with Training and Teaching Modules
 - Doppler Blood Pressure Monitor
 - Digital 24 Hour Ambulatory ECG / Holter ECG
 - Mutipara Monitor with NIBP (Noninvasive Blood Pressure)
 - Exercise ECG System
 - Advanced & Computerized 12 Lead ECG System
 - Tele-cardiology capabilities
- ❖ **Endoscopy Referral Clinic**
 - Endoscopy Referral Clinic established in 1990 was strengthened with advanced diagnostic and therapeutic equipments
 - Fully Digital Endoscopy and Documentation System
 - Large Animal Respiratory and Gastrointestinal Endoscopes
 - Video Gastroduodenoscopy for Small Animals
 - Video Colonoscopy for Small Animals
 - Video Bronchoscopy for Small Animals

- **Video Rhinoscopy for Small Animals**
- **Advanced Digital Endosuction Unit**
- **Interventional Endoscopic Instruments for Endo diagnosis & therapy**

❖ **Nephrology Referral Clinic**

- **Nephrology Referral Clinic established in 1990 was strengthened with advanced diagnostic and therapeutic equipments**
 - **Commissioned an Advanced Hemodialyzer in place of technologically obsolete Kobe Dialyzer.**
 - **Advanced Monitoring Capabilities strengthened.**
 - **Medical grade RO system for Hemodialysis commissioned.**

FACILITIES AVAILABLE AT THE CENTRE WITH CAFT/CAS FUNDING in Previous Plan Periods

- Rumen Medicine Laboratory
- Udder Clinic and Mastitis Laboratory
- Modernized Air-conditioned Seminar Hall
- Air-conditioned Committee Meeting Hall
- Videography Unit
- Multimedia Unit
- Referral Clinic I – Cardiology Unit equipped with Pulse Oximeter and ECG Monitor with defibrillator
- Referral Clinic II - Equipped with Ultrasound Scanner haemodialyser, endoscopes and EEG, Coagulation analyzer

Awards/Recognitions:

Sl No	Name of the Staff	Name of the Award	Year
1.	Dr.G.Vijaya Kumar	Best Poster presentation Award Best oral presentation award – canine session ISVM Appreciation award 2006	ISVM 2007
2.	Dr.S.Prathaban, Dr.B.Nagarajan Dr.P.Selvaraj Dr.S.Kavitha	Best research article presentation awarded	ISVM 2009
3.	Dr.S.R.Srinivasan, Dr.R.V.Suresh, Dr.P.Selvaraj Dr.B.Gowri	Best research article presentation awarded	ISVM 2007
4.	Dr.S.R.Srinivasan	Fellow of ISVM awarded	ISVM 2010
5.	Dr.A.P.Nambi Dr.S.Kavitha	Best research article presentation awarded	ISVM 2008

	Dr.S.R.Srinivasan		
6.	Dr.S.Kavitha Dr.S.Prathaban Dr.P.Dhanapalan Dr.K.Vasu	Best Clinical article	ISVM 2007
7.	Dr.S.Prathaban	Fellow ISVM	ISVM 2007
8.	Dr.P.S.Thirunavukkarasu	Canine medicine Award	ISVM 2009
9.	Dr.M.Chandrasekar	ISVM Appreciation award	ISVM 2009
10	Dr.P.Selvaraj	World Congress of Veterinary Dermatology Scholarship	ISVM 2008
11	Dr.P.Selvaraj	Dr.D.C.Blood Gold Medal for meritorious contributions in Veterinary Medicine	ISVM 2010

Publications:

Research Papers:

S.No.	Author	Title	Name of the Journal	Issue /Volume No.	Month & Year	Page No.
1.	A.P.Nambi, S.Kavitha and S.R.Srinivasan	Evaluation of Effect of oral Ivermectin combined with oral antibiotic in the treatment of demodicosis in dogs.	Intas Polivet,	Vol 11: No 1	2010,	69-73
2.	V.Vanitha, A.P.Nambi, B.Gowri and S.Kavitha	Rumen impaction in cattle with indigestible foreign bodies in Chennai.	Tamilnadu J.Veterinary &Animal Sciences	6(3),	June 2010,	138-140
3.	V.Vanitha, G.Sarath Chandra and A.P.Nambi,	Polychlorinated Biphenyl in milk and rumen fluid of stray cattle in Chennai.	Tamilnadu J.Veterinary &Animal Sciences	6(3),	June 2010,	71-74
4.	Ponnuswamy, K.K., Arthanari Eswaran. M., Selvaraj.P and Subramanian. M.	Bronchoscopic diagnosis of Pulmonary Aspergillosis in a Buffalo,	Ind.Vet.J		2010,	
5.	P.Selvaraj, K.Senthil Kumar, S.Vairamuthu, S.Prathaban and S.R.Srinivasan	Babesia gibsoni : An emerging challenge in Canine Pediatric Practice in Chennai	Tamilnadu J.Vet. Anim. Sci., &		2010.	
6.	K.Senthil	Antibiogram patterns of	Tamilnadu		2010	

	Kumar, P.Selvaraj , S.Vairamuthu, Malashammi and D.Kathiresan	Bacteria isolated from Otitis externa in dogs,	J.Vet. & Anim. Sci.,			
7.	M.Chandrasekar , P.Vijayalaksmi, P.S.Thirunavukkarasu , D.Sumathi, C.S.Arunaman and A.P.Nambi	Echocardiographic findings of idiopathic pericardial effusion in a dog	Intas Polyvet	11: 102- 107	2010	
8.	M.Chandrasekar , P.Vijayalaksmi, P.S.Thirunavukkarasu , S.R.Srinivasan and A.P.Nambi	Pathology of canine Monocytic Ehrlichiosis in a dog – a case report	Ind.J.field vet,	Vol: 6,	2010	29-30
9.	R.V.Suresh ,S.R.Srinivasan, B.Gowri , and M.Mahesh Krishna	Clinical efficacy of long acting enrofloxacin in bovine subclinical mastitis a report of six cases.	Intas Polyvet ,	11: 1,	2010	31-33
10.	R.V.Suresh , A.Arunprasad , S.Prathaban, M.Shiju simon and C.Balachandran,	Cerebral babesiosis in a dog –a case report ,	Ind.J.field.Ve t	5:,4,	2010.	31-32
11.	S.R.Srinivasan , M.Mahesh Krishna, R.V.Suresh and B.Gowri ,	Efficacy of Ivermectin as an acaricides in cattle .	Ind.J.Vet.Me d.	Vol.30,1,	2010	59-60
12.	A.Selvam, M.Sekar, K.S.Venketaraman, B.Gowri, M.Magesh Krishna and R.V.Suresh	Mixed infection in a donkey – a case report	IJFV	15	2009	71-72
13.	A.Selvam, Veerapandian,	Tetanus in a Buck and its effective	IJFV	15	2009	73-74

	Vinodhkumar, M.Sekar, K.S.Venketaraman,R .V.Suresh, M.Magesh Krishna	treatment :				
14.	V.Vijayanand, M.Gokullakrishnan, P.S. Thirunavukkarasu andR.C. Rajasundaram,	Aural Haematoma in a Rabbit: A case report	The North – East Veterinar ian	8	2009	29
15.	V.Vijayanand, M.Gokullakrishnan, P.S.Thirunavukkara su andR.C. Rajasundaram	A case of Thermal burn in a cat and its surgical management	Intas Polivet	10	2009	109- 110
16.	A.Selvam,M.Sekar, K.S.Venkatraman, R.V.Suresh, MaherSulima, M.Mahesh Krishna and S.Prathaban	Haematological changes in cattle suffering from tropical theileriosis	Indian J.Vet.Med	29	2009	55-56
17.	V.Vijayanand, M.Gokullakrishnan, P.S. Thirunavukkarasu and R.C. Rajasundaram	Ricketts in a cross bred pup	Indian J. Vet.Med	29	2009	71-72.
18.	V.Vijayanand, M.Gokullakrishnan, R.C. Rajasundaram, and P.S. Thirunavukkarasu	Ventral Hernia (Hysterocele-Gravid) in a Goat – A case report	Indian J.Anim, Res	43	2009	148- 150
19.	V.Vijayanand, M.Gokullakrishnan, P.S. Thirunavukkarasu and R.C. Rajasundaram	Cystic Endometrial Hyperplasia in a Bitch – Case report,	Tamilnad u J.Veterina ry & Animal Sciences	5	2009	214- 215
20.	G.Vijayakumar A.P.Nambi D.Sumathi P.S.Thirunavukkara su S.Prathaban	Endoscopic retrieval of a coin from a dog	Intas polyvet	10	2009	360- 362
21.	S.Anju, G.Vijayakumar S.R.Srinivasan	Helicobacter infection in dogs with chronic gastritis	IVJ	85	2009	1123

22.	E.Napoleon G.Vijayakumar M.Selvaraju	Peorsmus horidus monster in a buffalo	IVJ	85	2009	1225
23.	K.K.Ponnusamy G.Vijayakumar M.Subramanian	Endoscopic retrieval of foreignbody in a pup	IVJ	85	2009	189- 190
24.	C.Balachandran, N.Pazhanivel.A.Anil, K.Gopal, A.P.Nambi and R.V.Suresh	Multicentric lymphosarcoma in a dog	I.J.Vet.Pat hol.	33	2009	236- 237
25.	Dr.P.Selvaraj Dr.A.P.Nambi Dr.C.K.Bhuvanakum ar Dr.P.Dhanapalan	Hepatic enzyme profile in Indian thoroughbred horses	Tamil Nadu journal of Veterinar y and Animal Sciences	4(1)	April, 2008	
26.	Dr.R.V.Suresh T.G.Prabhakar P.Dhanapalan	Clinicomicrobiologica l studies in calf scour	Indian.J.fi eld.Vet	3	Jan'0 9	98-99
27.	DR.S.Kavitha Dr.A.P.Nambi, Dr.B.Gowri, Dr.C.Balachandran, Dr.P.S.Thirunavukk arasu Dr.S.R.Srinivasan	Pemphigus Vulgaris in a dog- a case reporrt	Indian.Ve t.J	85	2008	1329
28.	Palanivel.K.M, A.Vijayalinga Korandi, R.S. Dhanotiya, R.V. Suresh and S.Selvasubramanian .	Haematological and Biochemical values in donkey	Indian.Ve t.J	85	2008	439- 440
29.	Palanivel.K.M , R.V.Suresh, R.Jayakumar, P.I. ganesan and P.Dhanapalan,	Retrospective study of sub clinical Mastitis in buffaloes	Indian.J.V et.Med	28	2008	34-36
30.	P.Selvaraj, S.R.Srinivasan A.P.Nambi	Effect of feed additives on rumen microbial status in ruminal acidosis of dairy cattle	Intas Polivet J.	8 (2)	2008	443
31.	K.Jeyaraja, B.Gowri, A.P.Nambi and K.Vasu	Echocardiographic evaluation of dilated cardiomyopathy in Dogs	Indian Vet J	85	2008	983
32.	M.Gokulakrishnan V.Vijayanand P.S.Thirunavukkara su	Fetal Anasarca in a Dachshund Puppy	Ind.J.Vet. Surg	29	2008	141

	R.C.Rajasundaram					
33.	M.Gokulakrishnan V.Vijayanand P.S.Thirunavukkara su R.C.Rajasundaram	Traumatic abdominal hernia in a bitch and its surgical correction by hernioplasty	Ind.J.Vet. Surg	29	2008	135- 136
34.	S.Anju, G.Vijayakumar S.R.Srinivasan G.Dhinakar Raj	Study of Helicobacter infection in dogs with chronic gastritis	Indian Vet J	85	2008	1123
35.	Ezakial Napoleon Madhavan unny K.Jeyaraja G.Vijayakumar	Perosomus Horridus monster in a murrah buffalo	Indian Vet J	85	2008	1225
36.	K.K.Ponnuswamy G.Vijayakumar E.venkatesakumar M.Subramanian	Endoscopic retrieval of nasopharyngeal foreign body in a pup	Indian .Vet.J	86	2009	189- 190
37.	R.V.Suresh and S.R.Srinivasan	Oesophageal obstruction by a trichobezoar in a heifer	Ind. Journal of field veterinar ians	(3): 2	2007	73-74
38.	R.V.Suresh, S.R.Srinivasan and C.Balachandran	Antibiogram and management of mastitis in goats	Ind. Journal of Field Veterinar ians	(3): 2	2007	40-42
39.	G.Vijayakumar, S.Anju, C.Balachandran, A.P.Nambi, S.R.Srinivasan and S.Prathaban	Nasal aspergillosis in A dog	Indian Veterinar y Journal	(4): 84	2007	514- 515
40.	G.Vijayakumar , A.Raja, C.Balachandran, S.R.Srinivasan and S.Prathaban	Rapid detection of Helicobacter by PCR in dogs	Indian Veterinar y Journal	(4): 84	2007	516- 517
41.	R.V.Suresh M.Chandrasekar S.Kavitha, S.R.Srinivasan	Cystic calculi in a dog. A case report	Ind.J. field veterinar ians	(4): 2	2007	38-39
42.	Sindu sunil P.S.Thirunavukkara su A.P.Nambi S.R.Srinivasan	Cardiomyopathy category 2: and syncope in a boxer dog	Ind.Vet.J	6:84	June, 2007	627
43.	S.Kavitha, S.Prathaban, K.Vasu and P.Dhanapalan	Endoscopic isolation of Helicobacter pylori from gastric ulcer dogs	Ind.J.Vet. Med	1:27	July, 2007	1-4
44.	R.V.Suresh,	Clinicopathological	Ind.J.Fiel	3:	Jul-	

	T.G.Prabakar, P.Dhanapalan	studies in calf scour.	d.Vet.		sep 2007	
45.	G.Vijayakumar S.kavitha C.Balachandran S.R.Srinivasan S.Prathaban	Gastric carcinoma in a german shepherd dog	Ind.Vet.J	84: 1208- 1209	Nov, 2007	94-95
46.	P.Srividya B.Nagaragan B.Muralimanohar S.R.Srinivasan L.Gunaseelan	Histoplasma colitis in dogs	T.J.Vet. And Anim.Sci en	2(1)	2006	150- 154
47.	P.S.Thirunavukkara su S.Prathaban B.Muralimanohar P.Dhanapalan	Crystals associated cholangitis in experimentallantana toxicity in calves.	Ind.Vet.J	83	2006	1015- 1016
48.	A.Senthil Kumar P.S.thirunavukkaras u R.Govindarajan S.R.Srinivasan	Serodiagnosis of canine leptospirosis	T.J.Vet. and Anim.Sci en	2(6)	2006	251- 254
49.	R.Vijayan S.R.Srinivasan P.Dhanapalan	Idiopathic cardiomyopathy in dogs –A clinical study	Ind.Vet.J	83	2006	65-66
50.	Swati Jain R.V.Suresh C.Balachandran S.R.Srinivasan	Cytological and cultural examination of Malassezia in dogs	Ind.Vet.J	84	2007	182- 183
51.	L.Darwin R.V.Suresh R.Thanagadurai P.Dhanapalan	Restrospective studies on ruminal acidosis in goats	Ind.Vet.J	84	2007	432- 433
52.	N.Pazhanivel B.Muralimanohar C.Balachandran M.Chandrasekar	Vaginal fibroleiomyoma in a bitch	Ind.Vet.J	83	2006	1213

Books/Proceedings/Manuals

S.No	Year	Manuals / books / instructional material published
1.	2007-08	National Training Manual on "An Update on Diagnostic and Therapeutic Procedures in Veterinary Practice" 18th January 2007 and 07th February 2007
2.	2007-08	National Training Manual on "Current Clinical Concepts in Veterinary Practice" 29.11.2007 to 19.12.2007
3.	2008-09	National Training Manual on "Current Concepts in Veterinary Emergency and Critical Care Practice" 10.09.2008 to 30.09.2008
4.	2008-09	National Training Manual on "Updates in Veterinary Internal Medicine" 5.11.2008 to 25.11.2008
5.	2010 (2009)	National Training Manual on "Current Trends in Farm and Pet Animal Practice under Changing Economic Scenario" 03.03.2010 to 23.03.2010
6.	2010	National Training Manual on "Clinical Procedures and Skill Developments in Veterinary Clinical Curriculum" 24.11.2010 to 14.12.2010
7.	2011	National Training Manual on "Advanced Diagnostic and Therapeutic Techniques in Farm and Companion Animal Practice" 03-23 Aug 2011

Financial Statement

Expenditure under CAFT during XI plan

Head	2007-08	2008-09	2009-10	2010-11	2011-12
Operating cost of Training	353991	353998	170994	375000	375000
Recurring Contingency	292582	324059	333461	304986	350000 + 150000 (for Repairs)
Non-recurring Contingency	Nil	Nil	Nil	Nil	Nil
T.A	35431	13434	9811	-	30000
Library	49163	49966	30000	30000	30000
TOTAL	731167	741457	544266	709986	935000

Specialty Clinical Training Programmes
under Non-CAFT Activities of the Department for
Advanced Clinical Human Resources Development:

Sl.No.	Title of the Programme	Place	Duration	Name of the sponsoring agency	No. of participants
	2010-11				
1.	(CVME) on Clinical procedures in Small Animal Practice	VCME&J	28.06.2010-30.06.2010	MARS, International (Waltham, Pedigree)	7
2.	(CVME) on Small Animal Gastroenterology - An Update	VCME&J	23.08.2010 – 25.08.2010		11
3.	(CVME) on Emergency Medicine and Critical Care in Small Animal Practice	VCME&J	20.09.2010-22.09.2010		14
4.	(CVME) on Small Animal Cardiology – An Update	VCME&J	22.11.2010-23.11.2010		7
5.	(CVME) on Small Animal Dermatology – An Update	VCME&J	13.12.2010-15.12.2010		10
6.	Pre conference Training on Small Animal Dermatology	VCME&J	01.12.2010-03.12.2010	WSAVA, Chennai chapter	3
7.	Pre conference Training on Small Animal Dermatology	VCME&J	13.12.2010-15.12.2010		3
8.	CE program Clinical procedures in Small Animals	VCME&J	21.12.2010-23.12.2010	Indian Immunologicals	
9.	ECG Training to VAS	VCME&J	07.06.2010-11.06.2010		36
10	Current concepts in Dairy Animal Practice –II	VCME&J	09.08.2010 – 13.08.2010		2

11	Advances in diagnosis and therapeutic procedures in bovine practice	VCME&J	04.10.2010 – 08.10.2010		
I	2009-10	VCME&J			
1.	(CVME) on Clinical procedures in Small Animal Practice	VCME&J	27.7.09-29.7.09	MARS, International (Waltham, Pedigree)	10
2.	(CVME) on Small Animal Gastroenterology - An Update	VCME&J	24.8.09-26.8.09		7
3.	(CVME) on Emergency Medicine and Critical Care in Small Animal Practice	VCME&J	16.9.09-18.9.09		16
4.	(CVME) on Small Animal Cardiology – An Update	VCME&J	25.11.09-27.11.09		15
5.	(CVME) on Small Animal Dermatology – An Update	VCME&J	14.12.09-16.12.09		15
6.	Training on Endoscopy in Veterinary Practice	VCME&J	3.8.09-12.9.09		Government of India, Ministry of Home Affairs
7.	Training on Veterinary Critical Care Medicine	VCME&J	3.8.09-12.9.09		
8.	Canine Parasitic diseases, Bacterial, Viral and Fungal diseases and their Diagnosis and Treatment	VCME&J	3.8.09-12.9.09		

	CONFERENCE TANUVAS – VMRCVM International Symposium on “Changing Scenario in Veterinary Medicine : Challenges for the Veterinary Students and Practitioners” and 1st National Case Management Competitions & TANUVAS – MARS International India Companion Animal Case Conference – 2009 & TANUVAS – Intas Neovet Food Animal Case Conference – 2009	VCME&J	03 – 05 August 2009.	MARS International India and Intas Neovet	One hundred UG&PG students and Seventy five staff
	Training on principles and Practices in canine cardiology	Veterinary Clinical Medicine Ethics and Jurisprudence	25.7.07 –27.7.07 for 3 days	Royal Cannin	7
	Veterinary Endoscopy	Veterinary Clinical Medicine Ethics and Jurisprudence	18.9.06-22.9.06	Associate Professor And Head, Kashmir Veterinary college	1

Future Thrust Areas of Training required to address changing needs of the discipline:

- Farmers and Companion Animal Clients nowadays are much aware of the various animal diseases and their management strategies. Armed with such knowledge they demand state of the art diagnostic and treatment facilities and advanced patient care for their four legged family members.
- The Faculty and Scientists should be armed with advanced clinical knowledge and skills to meet the demand of the stake holders and to teach and train the UG and PG students to deliver their services up to the expectations of the farming communities and industries and other stakeholders
- Growing number of animal patient populations with cardio-vascular, respiratory, renal, digestive, endocrine, neurological and oncological disorders necessitate advanced knowledge and skills in specialty areas towards management of such disorders and for effective curricular delivery, teaching and training of Students.
- This necessitates regular updating of clinical skills by faculty, researchers and scientists of SAUs, SVUs and ICAR and related institutions in the field of veterinary internal medicine and allied specialties for effective service delivery and advancement of quality of animal patient care. Towards this goal and based on the clinical resources and materials available at this Centre, the following training programmes can be offered in the coming years
 - **Veterinary Imaging, its Applications and Interventional Practices**
 - **Veterinary Emergency and Critical Care Medicine**
 - **Veterinary Transfusion Medicine and Advances in Fluid Therapy**
 - **Veterinary Endoscopic Techniques and Interventional Endoscopy**
 - **Advanced Veterinary Clinical Procedures and Skill Sets.**
 - **Veterinary Gastroenterology and its Current Clinical Protocols**
 - **Veterinary Nephrology and Urology and their Current Clinical Protocols**
 - **Veterinary Cardiology and Advanced Practices in Thoracic Medicine**
 - **Veterinary Dermatology, Otology, Immunology & Endocrinology**
 - **Veterinary Cancer Medicine and Chemotherapy Protocols.**

Requirements for improvement of the programme during XIIth plan:

- With the changing economic scenario and the growing knowledge of medical science, health care technology, animal health and veterinary care, there has been an increase in availability of advanced diagnostic, life support and therapeutic services for all kind of animals.
- With the advancements in veterinary and animal health care technology and the help of dedicated farmers and animal owners and their referring veterinarians, animal patients can enjoy a high quality of life for many years, which leads to enhanced animal productivity.

- The Faculty and Scientists should be armed with advanced clinical knowledge, clinical technology and skills to meet the demand of the stake holders and to teach and train the UG and PG students to deliver their services up to the expectations of the farming communities and industries and other stakeholders
- In this regard, the following areas require top priority and shall be addressed at the earliest.

I. Establishment of Advanced Clinical Skill Development Centre (Ad-CSC) at the CAFT Centre in Madras Veterinary College.

- Veterinary Clinical Medicine is a Clinical Specialty involving procedures and interventions on live animal patients and involves several ethical and welfare and legal considerations and requires concurrence from their owners and legal clearances.
- Imparting Training on live animals shall also fall within the mandates of Govt. of India CPCSEA and should be adhered to its rules and regulations, to avoid legal implications.
- Hence, before they handle and practice on live animals for disease diagnosis, or treatment or doing advanced procedures, they require sufficient pre-procedural skillsets. To impart the required skill sets, the trainees need to be trained utilizing artificial models, mannequins and simulators. For this a State of the art **Advanced Clinical Skill Development Centre (Ad-CSC)** needs to be established.
- **It requires an one time grant of Rs 150.00 Lakhs**

II. Training of Trainers in Advanced Clinical Techniques and Interventional Practices at World's premier Laboratories, Hospitals and Clinical Settings.

- Growing number of animal patient populations with cardio-vascular, respiratory, renal, digestive, endocrine, neurological and oncological disorders are presented in every day practice and it necessitates advanced knowledge and skills in specialty areas towards management of such disorders and for effective curricular delivery, teaching and training of Students.
- Advanced Clinical Technology and Protocols are practiced worldwide to minimize disease related economic losses and to restore earlier productivity. This requires that the trainers at this CAFT Centre, needs to be trained on such advanced procedures, techniques and practices at the World's premier Laboratories, Hospitals and Clinical Settings.
- The University has already signed MOU's with Michigan State University, USA and Virginia Tech, USA and hence getting training at these institutions will be easier
- **It requires a grant of Rs 7.50 Lakhs per Year for next FIVE years, for training 2 faculties per year.**

III. Improvement of Medical Diagnostic, Therapeutic and Interventional Medicine Infrastructure for training of faculty and Scientists in Advanced Clinical Techniques and Interventional Practices

- To train and impart knowledge on Advanced Clinical Technologies and Protocols, which are practiced worldwide, we need to establish such advanced facilities at this CAFT Centre.
- The following advanced diagnostic and therapeutic equipments need to be acquired and installed at this CAFT Centre.
 - **Advanced Cardiovascular Doppler Scan :**
 - **Rs.75.00Lakhs**
 - **Advanced Large Animal Endoscopy System :**
 - **35.00 Lakhs**
 - **Veterinary MRI System for Precise Diagnostic Capacity Building:**
 - **175.00 Lakhs**