Brief Introduction about the Department:

The Department was established in 1969 and was recognized as Centre of Advanced Studies (CAS) by ICAR in 1995 and renamed as Centre of Advanced Faculty Training (CAFT) in 2009. The department has Surgery, Anaesthesia and Radiology units. It has well established Computerized Radiography (CR), Doppler ultrasonography and echocardiography. Significant contributions have been made in ultrasonographic diagnosis and surgical treatment of diaphragmatic hernia and omasal impaction in bovine, intramedullary interlocking nailing for long bone fracture fixation in dogs and bovine. Till date the centre has conducted 24 trainings and trained more than 300 scientists/teachers working in SVU’s, SAU’s / ICAR institutes. Department has hosted two National congresses of Indian Society for Veterinary Surgery at Ludhiana in years 1991 and 2009.

Objectives of CAFT:

i) To develop facilities to function as Centre Of Advanced Faculty Training in field of Veterinary Surgery and Radiology.

ii) To undertake advanced education and training of scientists/faculty members of different universities and ICAR institutes in the country in the field of Veterinary, Anaesthesia, Surgery and Radiology.

iii) Conduct of workshops, symposia, conferences and summer institutes as and when sanctioned by ICAR and other organizations.

Faculty: Name & Designation (as on 30/09/2011):

1. Dr. N.S. Saini, Professor-cum-Head
2. Dr. S.S. Singh, Professor
3. Dr. J. Mohindroo, Associate Professor
4. Dr. Navdeep Singh, Associate Professor
5. Dr. S.K. Mahajan, Associate Professor
6. Dr. Arun Anand, Assistant Professor
7. Dr. M. Raghunath, Assistant Professor
8. Dr. Ashwani Kumar, Assistant Professor
9. Dr. Vandana Sangwan, Assistant Professor
Human Resource Development: (Particulars of short courses /Training Program for HRD conducted during the XI Plan period)

<table>
<thead>
<tr>
<th>S. No</th>
<th>Name of training program</th>
<th>Period</th>
<th>No. of participants</th>
<th></th>
</tr>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Internal</td>
<td>External</td>
</tr>
<tr>
<td>1</td>
<td>Imaging techniques for veterinary patients with special reference to Ultrasonography</td>
<td>Feb. 1-21, 2008</td>
<td>2</td>
<td>13</td>
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<tr>
<td>2</td>
<td>Ultrasonography and Ancillary Diagnostic Procedures for Veterinary Patients</td>
<td>Sept. 4-24, 2008</td>
<td>2</td>
<td>16</td>
</tr>
<tr>
<td>3</td>
<td>Ultrasonography and other Diagnostic modalities for farm and companion animals</td>
<td>Feb 14 - March 12, 2009</td>
<td>2</td>
<td>13</td>
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<tr>
<td>4</td>
<td>Diagnostic and surgical procedures in Veterinary Patients</td>
<td>Feb 18-March 10, 2010</td>
<td>2</td>
<td>10</td>
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<tr>
<td>5</td>
<td>Diagnostic and surgical procedures for thoracic and abdominal disorders in veterinary patients</td>
<td>Feb 11-March 3, 2011</td>
<td>2</td>
<td>17</td>
</tr>
<tr>
<td>6</td>
<td>Computerized Radiography and Interventional Diagnostic and Surgical Procedures for Veterinary Patients</td>
<td>Sep 30-Oct-20, 2011</td>
<td>2</td>
<td>18</td>
</tr>
</tbody>
</table>

Infrastructure development (equipments etc.):

<table>
<thead>
<tr>
<th>Sr. no.</th>
<th>Name of equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Computerised Radiography System</td>
</tr>
</tbody>
</table>
Renovation of small animal operation theatre

Renovation of committee room, seminar room, library and radiology laboratory

Library upgraded:

The Department has an updated library with about 300 latest books. A number of books have been purchased with CAS/CAFT funding and the year wise break up of purchase with CAS/CAFT funding is given below:

<table>
<thead>
<tr>
<th>Year</th>
<th>Number of books purchased</th>
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<tbody>
<tr>
<td>2007</td>
<td>7</td>
</tr>
<tr>
<td>2008</td>
<td>10</td>
</tr>
<tr>
<td>2009</td>
<td>5</td>
</tr>
<tr>
<td>2010</td>
<td>6</td>
</tr>
<tr>
<td>2011</td>
<td>7</td>
</tr>
</tbody>
</table>
Awards/Recognitions:

- **Appreciation Certificate** for best research paper published in IJVS( 2006-2007) was awarded to Dr. Navdeep Singh, Dr. K.I.Singh, Dr. K.S.Roy and Dr S.K.Mahajan for the paper entitled “Evaluation of combination of antiarthritic drug and therapeutic ultrasound in acute traumatic arthritis in equines” during the 30th congress of ISVS held at COVS, Bidar (Karnataka)

- **Appreciation Certificate** Dr. J. Mohindroo, Dr. Ashwani Kumar, Dr. Vandana Sangwan, and Dr. S Singh Awarded ‘Appreciation Certificate’ in the Imaging Technique session (2007) during the 31st congress of ISVS held at Faculty of Veterinary Science, SKUAST (J), Jammu for the paper entitled “Use of B+M mode ultrasonography for evaluation of reticular health in cows and buffaloes”.

- **Gold Medal**: Dr Fromsa A and Saini NS were awarded Gold medal for best Research article in Small Animal Surgery Session (2008) for the paper entitled Prediction and mineral analysis of stones in canine patients suffering from urolithiasis at the XXXII Annual congress and symposium of ISVS held from 6-8th Nov, 2008 at Namakkal

- **Best Teacher Award** Dr M Raghunath was awarded Best Teacher Award in the year 2008-09 by the Dean, COVS, GADVASU

- **Best Clinical Department**: The Department of Veterinary Surgery and Radiology was nominated the best clinical Department in the year 2008-09 by the Dean, COVS, GADVASU.

- **Gold Medal**: Dr N S Saini, S.S. Singh, J. Mohindroo, S.K. Mahajan, M. Raghunath, N. Singh, A. Kumar, V. Sangwan, T. Singh, K. Singh were awarded gold medal for best Research article in the equine surgery session (2009) for the paper entitled “Surgical management of uterine torsion in mares” at the XXXIII annual congress of ISVS held at GADVASU Ludhiana from Nov 11-13, 2009

- **Gold Medal**: Drs J. Mohindroo, A. Kumar, K. Singh, V. Sangwan were awarded gold medal for best Research article in the Ruminant Surgery Session (2009) for the paper entitled: “Diagnosis and surgical management of reticular abscess in Bovines” XXXIII annual congress of ISVS held at GADVASU Ludhiana from Nov 11-13, 2009

- **Appreciation award**: Drs. M. Raghunath, N. Singh, T. Singh and J. Mohindroo received Appreciation award in Large animal Poster session (2009) for the paper entitled “Surgical repair of compound , non union metatarsal fracture with autogenous cancellous bone grafting and bone plating in a heifer cow” at the XXXIII annual congress of ISVS held at GADVASU Ludhiana from Nov 11-13, 2009

- **Appreciation award**: Drs. M. Raghunath and S.S. Singh received Appreciation award in orthopaedic session(2009) for the paper entitled “ Effect of interlocking nail diameter on canine long bone
diaphyseal fracture healing” at the XXXIII annual congress of ISVS held at GADVASU Ludhiana from Nov 11-13, 2009

- **Appreciation Award**: Drs. P. Verma, J. Mohindroo and S.S. Singh received the Dr. A.K Bhargava Memorial Appreciation Award for paper published in Indian Journal for Veterinary surgery entitled “Sonographic Findings of Urinary System in dogs” at the XXXIII annual congress of ISVS held at GADVASU Ludhiana from Nov 11-13, 2009

- **Fellow of Indian Society for Veterinary Surgery (ISVS)**: Dr N.S. Saini was awarded Fellow of Indian Society for Veterinary Surgery (ISVS) on 23/7/2010 by the Indian Society for Veterinary Surgery(ISVS)

- **DST International Travel Grant and World Buiatrics Association (WBA) Scholarship**: Dr. Ashwani Kumar received DST International Travel Grant and WBA Scholarship for presenting paper at 26th World Buiatrics Congress held at Santiago, Chile from 14-18 Nov, 2010

- **Gold Medal**: Drs V. Sharma and J. Mohindroo received Dr AK Bhargava Memorial Gold medal for best paper in Indian Journal of Vety Surgery(2010) at the 34th annual congress of ISVS held at Puducherry from 8-10th Dec 2010

- **Gold medal**: Drs N.S. Saini, J. Mohindroo, S.K. Mahajan, M. Raghunath, V. Sangwan, A. Anand and N. Singh were awarded Gold medal for the best research paper in the Equine surgery session (2010) for the paper “Third Degree Perineal Laceration in Mares” at the 34th Annual Congress of ISVS held at Puducherry from 8-10th Dec 2010

- **Appreciation award**: Drs. M. Atray, M. Raghunath and T. Singh received Appreciation award for Research article in Small Animal Surgery Session for the paper entitled ‘Diagnosis and management of canine gastrointestinal obstruction cases.’ At the 34th Annual Congress of ISVS held at Puducherry from 8-10th Dec 2010

- **Consolation Award**: Dr. Ashwani Kumar, received ‘Consolation Award’ for the second best research paper entitled “Ultrasonographic evaluation of traumatic reticulo-peritonitis in cows and buffaloes” in the ‘Dr. Rishendra Verma Young Scientist Award’ session during 11th Indian Veterinary Congress and 18th conference of Indian Association for the Advancement of Veterinary Research held at Apollo College of Veterinary Medicine from 11-12 Feb, 2011.

**Publications 2007-2011 (XI plan):**

**International / Foreign Journals**: 12

Athar, H., Mohindroo, J., Singh, K., Kumar, A. and Raghunath, M. 2010. Comparision of radiography and ultrasonography for the


**Indian Journals**


**List of manuals / instructional material published (XI Plan):**


Other Publications:


Financial Statement

Expenditure under CAFT during XI plan

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<th>2007-08</th>
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<th>2009-10</th>
<th>2010-11</th>
<th>2011-12</th>
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<td>Operating cost of Training</td>
<td>2,34,027</td>
<td>2,86,425</td>
<td>1,05,257</td>
<td>2,68,369</td>
<td>86,598</td>
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<td>Recurring Contingency</td>
<td>1,99,772</td>
<td>1,96,591</td>
<td>5,172</td>
<td>1,99,964</td>
<td>1,07,568</td>
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<tr>
<td>Non-Recurring Contingency</td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
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<tr>
<td>T.A.</td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
<td>14,915</td>
<td>4,055</td>
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<td>Library</td>
<td>44,940</td>
<td>49313</td>
<td>1,576</td>
<td>28,487</td>
<td>Nil</td>
</tr>
<tr>
<td>Total</td>
<td>4,78,739</td>
<td>5,32,329</td>
<td>1,12,025</td>
<td>5,11,735</td>
<td>1,98,221</td>
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