Department of Veterinary and Animal Husbandry Extension

ANNUAL REPORT: 2007-2008

1. INTRODUCTION

Department of Veterinary and Animal Husbandry Extension was created in 1999 to meet the Minimum Standards of Veterinary Education as per the Veterinary Council of India (VCI) Act, 1984. The Department aims to educate the veterinary graduates in applications of the basic concepts of behavioral sciences for the transfer / dissemination of available technology in the field of Veterinary Sciences and Animal Husbandry. This is important in view of the fact that the extension approaches for the Veterinary Science and Animal Husbandry are significantly different from those used in allied sciences like Agriculture, Horticulture and Home Sciences. The transferable technologies of animal health and production are less operatability at the users’ level, apart from the inherent low communicability to the users.

2. OBJECTIVES

Key objectives of Veterinary and Animal Husbandry Extension are:

- To impart Education to the students of the BVSc & AH classes in Veterinary and Animal Husbandry Extension.
- To evolve suitable modules for the Transfer of available Technology.
- Production of Extension literature, visuals, Video films and dissemination of information to the different target group, using area-specific & location-specific ITC communication approaches.
- Documentation of the Indigenous Technical Knowledge (ITK) of the different livestock rearing communities/ tribes in the state: scientific validation of the ITK for subsequent mass dissemination.

3. STAFF POSITION

Teaching

1. Dr. Alok K. Sharma, PhD  Veterinary Microbiology./Immunology
   Professor & Head
2. Dr. Shivani Katoch*, MVSc*  Animal Nutrition  Asstt. Prof.

*Practical manuals were modified for Course No. AHE-111 & AHE-411.

www.vahe.himvet.com  giving exhaustive information on education, teaching & research launched for all the courses being offered by the Department.

Cyber (Web based) teaching under taken during the last year successfully continued and a new web portal of the department

4. TEACHING ACTIVITIES

Efforts were focused on strengthening the teaching activities in Veterinary and Animal Husbandry Extension. Offered three courses to the students of BVSc & AH classes.

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course No.</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>I</td>
<td>AHE-111</td>
<td>Sociology and Principles of Veterinary and Animal Husbandry Extension</td>
<td>1+1</td>
</tr>
<tr>
<td>II</td>
<td>AHE-121</td>
<td>Livestock Economics, Marketing and Business Management</td>
<td>2+1</td>
</tr>
<tr>
<td>I</td>
<td>AHE-411</td>
<td>Extension Techniques in Veterinary Practice and Livestock Production</td>
<td>1+1</td>
</tr>
</tbody>
</table>

An Audio-Visual Technology Lab, having facilities for LCD Multimedia Projection, Plasma TV Display and Portable Cordless Voice Pro System is used for practical training in Extension, using latest ICT-based approach. Digital Photography and Videography and Video-editing practical lessons are being imparted to the graduate students. This facility is also made available for Guest lectures, Seminars, Symposia and Conferences organized in the college and the university. Efforts are on to further develop the Audio-Visual Technology Laboratory for establishing an Information and Communication Technology (ICT) hub to providing a base for Veterinary and AH Extension Education activities in Himachal Pradesh.

Introduction of ‘ONLINE TEACHING’: The department took the initiative to introduce Web-based teaching. All lectures, practical notes, class attendance and weekly evaluation of performance in practicals / Lab work, are now available on the dedicated Web-site of the Department viz. www.vahe.himvet.com. This ‘quantum jump’ from the traditional ‘chalk and talk’ method of teaching, emphasizes a strong audio-visual based learning approach.

Following TEACHING MODULES were prepared this year:

i. ‘BIRD FLU’ AT OUR DOORSTEPS - WHAT TO DO ?
ii. Rift Valley Fever : Do we need to fear ?
iv. Indigenous Technical Knowledge & Grassroot Creativity
v. Transboundary Diseases : A Cause for Concern World-Wide
vi. How Now - Mad Cow ?
vii. Probiotics : Myth or Reality
viii. Livestock Revolution 2020 - Are we prepared to benefit from it
Development of PG Teaching Courses in Veterinary and Animal Husbandry Extension was initiated. Inputs were given to the ICAR Committee for finalization of a uniform syllabus for PG courses in Veterinary Extension at the National level.

5. RESEARCH ACTIVITIES

Data analysis for the following Departmental Projects (non-funded) was continued:

I. **Constraints in way of transfer of Animal Husbandry technology in select villages of Kangra district : constraints as perceived by livestock farmers.**

II. **Training aspirations of women livestock farmers in Himachal Pradesh**

III. **Flow of Communication in Veterinary Clinic of HPKV Palampur**

IV. **Awareness about Animals amongst secondary level school children in HP**

V. **Evaluation of Constraints in the way of Transfer of Dairy Technology to Livestock Farmers: Constraints Perceived by the Livestock Owners of Chamba district (Salooni, Bhandal, Sanghani, Himgiri Koti, Telka Dandi, Salwan villages)**

VI. **Livestock Resources and the 'Felt Needs' of the Livestock Owners in selected villages of Chamba district in H.P.**

However, data analysis could not be completed for want of technical help / support, there the only one faculty member is available in the department at present. The work however continues as per availability of manpower and technical support.

A new Action Project (Livestock Component for Chamba district), under a Network Project of Global Environment Forum/ NAIP) was prepared after an interactive workshop at NBPGR, New Delhi, under the title:

HARMONIZING BIODIVERSITY CONSERVATION AND AGRICULTURAL INTENSIFICATION THROUGH INTEGRATION OF PLANT, ANIMAL AND FISH GENETIC RESOURCES FOR LIVELIHOOD SECURITY IN FRAGILE ECO- SYSTEMS

The project to be undertaken in three different fragile eco-systems in India (HP, Rajasthan and Andhra Pradesh) has been sanctioned. The Consortium Partners include: The National Bureaus on Plant, Animal and Fish Genetic Resources, HPKV Palampur, Univ. of Agil. & Technology Udaipur, Acharya NG Ranga Agril. Univ, Hyderabad, Andhra Pradesh Biodiversity Board and others. It is due to run through 2008–2012 and is being launched shortly.

6. EXTENSION ACTIVITIES:

Interactive sessions were organized for trainee groups under different programmes conducted by Directorate of Extension Education, CSK HPKV. The department also provided facility of Digital Photography to other departments of the College/ University for preparing
teaching material, recording research observations, and during scientific meetings / conferences/seminars etc.

A. Physical facilities available

- A Veterinary Extension Museum cum Exhibition Hall for the visiting farmers depicting the various activities related to veterinary & animal husbandry
- Audio Visual Technology Lab equipped with facilities for LCD Multi media projection, Computerized video editing unit, slide projector, over head projector, digital camera, TV, VCR, Philips wireless audio unit.

B. Extension Visual displays :

An updated visual–based display of the developments and the current activities of the College has been prepared and installed in the University Museum for the benefit of the visiting farmers, trainees and dignitaries. An improvement / up–gradation plan for this facility was submitted to the Director Extension Education, CSK HPKV.

An exclusive visual based exhibition of the frontline activities of the COVAS installed in the Exhibition Room is also maintained in the department for the benefit of the farmers, visitors and trainees under different training programmes conducted by the University / other development agencies.

C. Extension lectures delivered:

Extension Talks and Interactive Sessions with Livestock Farmers :

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Date</th>
<th>Discussion Topic</th>
<th>Sponsoring Organization</th>
<th>Clientele Group</th>
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<tbody>
<tr>
<td>1</td>
<td>20.07.07</td>
<td>Veterinary Extension Education for Livestock Farmers</td>
<td>DRDA Mandi</td>
<td>Dairy Farmers (55)</td>
</tr>
<tr>
<td>2</td>
<td>02.11.07</td>
<td>Veterinary Extension Education for Livestock Farmers of HP</td>
<td>MHWDP, Kangra</td>
<td>Dairy Farmer</td>
</tr>
<tr>
<td>3</td>
<td>13/05/2008</td>
<td>Prevention, Control and Treatment of important diseases of farm animals</td>
<td>DD (AH) Una</td>
<td>Livestock Farmers</td>
</tr>
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7. PARTICIPATION IN TRAINING / WORKSHOPS / SEMINAR etc.

Training/Workshop/Seminar | PLACE | PERIOD | NAME

- ‘International Seminar on Markets for and Marketing of Organic Products’
  Personality Management and Student Counselling
  INDO-US KNOWLEDGE INITIATIVE – sponsored training on ‘Capacity Building for Intellectual Property Protection and Technology Licensing’

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<tr>
<td>Personality Management and Student Counselling</td>
<td>CSK HPKV, Palampur</td>
<td>November 6-8, 2007</td>
<td>Dr. Alok Sharma</td>
</tr>
</tbody>
</table>

8. PUBLICATIONS

Diseases and Health Science. Deptt. of Pathobiology, Faculty of Veterinary Medicine and Agricultural Sciences, University of Peradeniya, Sri Lanka : July 26–27, 2007


9. MISCELLANEOUS ACTIVITIES:

i. Annual Report

<table>
<thead>
<tr>
<th>JOB</th>
<th>REMARKS</th>
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<tbody>
<tr>
<td>1 Annual report : 2006–07</td>
<td>Compiled and edited by Dr. Alok Sharma, Dr. Shivani Katoch</td>
</tr>
<tr>
<td>2 Web site of the department</td>
<td>Prepared and updated by Dr. Shivani Katoch</td>
</tr>
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ii. Others:

- Member, Institute Technology Management Unit, CSK HPKV, Palampur : Dr. Alok Sharma.
- Member, Committee for Introduction of a common PG Teaching Course on Intellectual Property Rights
- Prepared a Long-term Infra-structure Development Plan for Veterinary & AH Extension
- Consultancy and Technical guidance was provided to the following organizations:
  - Rajya Gyan Vigyan Kendra, State Resource Centre, Shimla for transfer of technology and information to livestock farmers of HP
  - Institute of Management and Research, Bhartiya Vidya Bhavan, Mumbai (MBA students’ Group Project) for implementation of their Livestock extension based Rural development project in Changar Area, Kangra district
- Prepared a document “VETERINARY EXTENSION RESEARCH : VISION 2025”
- Inputs were identified and given for ‘Strengthening of Extension Activities in the College’
- Inputs were given for ‘Improving Liaison with State Department of Animal Husbandry, HP’
- Web Manager of the official site of College of Veterinary and Animal Science : Dr. Shivani Katoch
- Class In-charge First Year BVSc & AH : Dr Alok Sharma (till Sept. 2007)
- Media, Publicity, Audio & Video support was provided during : Oath-Taking Ceremony 2007
- External Examiner cum evaluator / Expert for MVSc/PhD courses in Microbiology / Immunology at IVRI, Izatnagar; Vety Extension (VCI External board Exams) in GBPUAT Pantnagar and GADVASU, Ludhiana
- Associated with Livestock component in HPKV Organic Farm : Dr. Alok Sharma