The State Veterinary Universities have played a major role in generating innovative ideas to manage development through teaching, research and extension methods and thereby engineering social transformation through empowerment of farmers with knowledge and technologies. The livestock sector, in the overall ambit of agriculture has played a catalytic role in the development of the nation. Development is a process that increases choices, diversification and preparing well in advance for the expected changes.

Livestock production generates cash flow and economic buffers to the poor, provided that market chains are organized to provide opportunities for small scale producers and traders and those in the remote areas. Although the reach and spread of timely veterinary care and husbandry practices have increased over the years, on the market front, it is a challenging task to balance the need of the producers for remunerative prices with consumers’ need for affordable food. This situation warrants a relook at our curriculum and I think the time has come to lay more focus on entrepreneurship, business management and more market oriented courses to train our youth.

This issue of SVVU News letter highlights the activities, progress and achievements of the university during the last six months. Apart from routine teaching and research activities, several special programmes were hosted by the University notable among them being Dairy Food Festival, state level workshops on Challenges in the field, review and redressal through research, Scientific Advances in Canine Cardiovascular Medicine etc. The organization of these events has provided vast opportunity for interaction among scientists and field veterinarians across the state.

The University has taken many initiatives to strengthen education, research and extension practices. Providing revolving fund for earn while you learn projects, strengthening TVCC with facilities such as small animal Intensive Care Unit, establishment of AI labs for sheep and swine, field testing of vaccine against Foot Rot disease of sheep, popularizing area specific mineral mixtures, supply of superior germplasm to farmers, conservation of native germplasm apart from organizing several training programmes were some of the important activities taken up during the last six months for developing skills in students and livestock development in the State.
FORMER PRESIDENT ABDUL KALAM’S VISIT TO STALL ORGANIZED BY SVVU

In connection with the launching of Agriculture Mission by Government of A.P at Kalyanadurgam, Anathapur district on 06.10.2014, The College of Fishery science, Muthukur arranged a stall on behalf of the University. Honorable former president of India, Shri A.P.J. Abdul Kalam, Honorable Chief Minister Sri. N. Chandrababu Naidu, and Vice chancellor, Dr. Manmohan Singh visited the stall.

Former president Dr. A.P.J. Abdul Kalam, CM and VC, SVVU visiting the stall

EDUCATION

The University offers UG programmes in Veterinary, Dairy and Fishery science faculties and a two year Diploma programme in Animal Husbandry and also in Fishery Science for rural youth who have completed 10th class (senior secondary certificate) to cater to the requirements of Para Veterinary and Para Fishery staff of the state.

Besides, the University also offers M.V.Sc in 19 disciplines of Veterinary Science, two disciplines of Fishery Science i.e, M.F.Sc in Aquaculture and in Fish Processing Technology, and Ph.D in 16 disciplines of Veterinary Science.

Activities like modernization of class rooms, internet connectivity for students and staff, improving student amenities, were taken up under ICAR Development Grants.

Strengthening of library resources were under taken in all colleges and polytechnics by utilizing the ICAR development grants.
The Teaching Veterinary Clinical Complex of NTR College of Veterinary Science, Gannavaram was equipped with the following facilities to cater to the needs of livestock farmers of the coastal area.

- ICU: A full-fledged functional ICU for small animal patients has been made operational at TVCC to cater to the critically ill and trauma cases with equipment like
  - Vital signs monitor to monitor the cardiopulmonary functions of the emergency patients
  - Infusion pump - for the constant rate of infusion for fluid therapy
  - Defibrillator- to correct the atrial or ventricular fibrillations
  - Portable ultrasound machine for fast abdominal scanning
- Large animal X-ray Machine: A 1000mA large animal X-ray unit has been installed recently for large animal patients to obtain chest, diaphragm and reticulum x-rays for diagnosis of reticular foreign bodies, Diaphragmatic hernia,
- The state level disease diagnostic laboratory with P3 facility has been extremely useful in disease diagnosis. Recently an outbreak of Malignant Catarrhal Fever was diagnosed facilitating proper treatment to save the affected animals.

SEMINARS / WORKSHOPS / TRAINING PROGRAMMES ORGANIZED

- One day workshops on “Challenges in the field, review and redressal through research”, was organized at College of Veterinary Science, Tirupati on 11th July 2014 and at NTR CVSc, Gannavaram on September 30, 2014 involving more than 100 field veterinarians from AH dept. from different districts across the state. All the Heads of the Departments from respective colleges had interactive interface with the field veterinarians and provided possible way outs for the current problems in the field.
- On the occasion of World Heart Day-2014, i.e. on 29th September 2014, one day workshop was conducted on “Scientific advances in Canine Cardiovascular Medicine” by the Department of Veterinary Medicine, NTR CVSc, Gannavaram
RESEARCH PROJECTS SANCTIONED / COMPLETED

- Research Project on “Epidemiological surveillance, prophylactic and control measures against foot rot disease in Sheep” is currently under progress, PI: Dr. N. Vinod Kumar, Budget: 10.00 lakhs.

- CSIR, New Delhi sponsored research project on “Production of lambs from in vitro cultured prenatal follicles in sheep” completed on 31-10-2014. PI Dr. V.H. Rao, , Budget: Rs.20,00,000/-

- Establishment of Artificial Insemination laboratory is under progress at AICRP on pigs, Tirupati and purchase of A.I. Equipments like Dummy sow, Accucell, Incubator, A.I. Catheter, Micropipettes, Semen extender are under processing.

- Department of Pharmacology, NTR CVSc, Gannavaram is a part of ICAR network project Monitoring of Drug Residues and Environmental Pollutants in the current plan period.

- Artificial Insemination lab was established at LRS, Palamner, to take up the synchronization. Artificial Insemination and frozen semen utilization activities for sheep.

- Conservation of Ongole cattle under Animal Genetic Resources from 1-4-2014 with a financial outlay of 52.00 lakhs for 3 years from 2014 to 2017.

EXTENSION/OUTREACH ACTIVITIES/CONTINUING VETERINARY EDUCATION PROGRAMMES

- Dog Show conducted by CVSc, Tirupati in association with Animal Husbandry Department, Chittoor to celebrate World Tourism Day and World Rabies Day at Shilparamam, Tirupati in which 200 dogs of different breeds have participated. The dog show was a big success with special appreciation from District Collector, Chittoor.

- Teaching Veterinary Clinical Complex, CVSc, Tirupati, conducted “Awareness and free vaccination drive” to mark the occasion of World Zoonoses Day. On this occasion, the pet owners were educated regarding importance of vaccination. An awareness meeting was organized where in University officers and Sri Sakala Reddy, Commissioner, Municipal Corporation, Tirupati, Chief guest have participated in the event and 1200 dogs were vaccinated against rabies.
College of Dairy Technology, Tirupati organized “Dairy Food Festival-2014, A Two Days Mela along with Dairy Products Exhibition on 14th and 15th November 2014 for milk consumers of Tirupati to bring awareness on benefits of milk and milk products compared to conventional cool drinks with a slogan “Consume Milk and milk products- Support the dairy farmers”. Honorable Vice-Chancellor, Dr. Manmohan Singh IAS, SVU and Honorable Vice-Chancellor, SPMVV Smt.T. Rathna Kumari inaugurated the festival. Two books, “Milk and Milk Products-a Profitable Dairy Business” and “Palatho 80 Rakamula Pala Padarthamulu” were released by the chief guest on this occasion.

A five day training programme i.e. from 15th to 19th December 2014 was organized by the “Instructional Livestock Farm Complex” for milk secretaries (25 in number) of ‘Heritage’ dairy industry on “First Aid to dairy animals”

Centre for Continuing Veterinary education (CCVE) organized four two day training programmes, Cattle production and management on 1st and 2nd August, 2014, Sheep production and management on 11th and 12th September 2014, value addition of milk and meat products on 17th and 18th October 2014 and Swine production and management on 29th and 30th October, 2014 for the benefit of rural livestock farmers from different districts across the state.
College of Fishery science, Muthukur organized Hands on training programme on “Fundamentals of Commercial Fish Culture” for technical team members of Matrix Sea Foods Pvt. Ltd. Training was given on various aspects like water quality management, feed management, induced breeding of fish and quality seed production and fresh water prawn hatchery management and seed production for three days. have participated in the event and 1200 dogs were vaccinated against rabies.

WORKSHOPS/SEMINARS/NATIONAL AND INTERNATIONAL COURSES ATTENDED BY FACULTY

★ Dr. S. Vijayalakshmi, Assistant Professor, Dept. of Veterinary Microbiology, participated and presented the papers in “XXVIII Annual convention & International conference on “Challenges and opportunities in animal health at the face of globalization and climate change of IAVMI, 2014 from 28th October to 3rd November 2014 at Mathura UP.

★ K. Padmaja, Dept. of Veterinary Biochemistry, CVSc, Tirupati Chaired one of the sessions in “National Conference on Conservation of Easter Ghats” organized by S.V.University, Tirupati.

★ Dr. P. Kavitha, Assistant Professor, Dept. of ILFC, CVSc, Tirupati has attended. 2nd International Conference on Animal and Dairy Sciences held on 15-17th September, 2014 at HICC, Hyderabad.

★ Dr. K.V. Bramhaiah, Professor, Dept. of Veterinary Gynecology and Obstetrics, had participated in ISSAR-2014, Annual Conference held at Mathura, U.P on 3rd to 8th November, 2014.

★ Dr. R. V. Ramana Murthy & Dr. A. Nasreen, Assistant Professor, CVSc, Tirupati attended the International conference on host pathogen interactions held on 13-15th July 2014 and presented research papers.

★ Dr. P. Ekambaram, Principal Scientist, LRS, Palamner attended one week training programme on Artificial Insemination in Sheep at Avikanagar from 20 to 26 August, 2014.
Dr. K. Lakshmi Kavitha, Assistant professor Dept. of Veterinary Microbiology participated in the International conference on “Challenges and Opportunities in Animal Health due to globalization and climate change” held at DUVASU, Mathura, UP. And received the Best Poster Presentation award for the research paper entitled “Isolation and characterization of lytic bacteriophages of Salmonella typhimurium and their therapeutic applications”

Dr. Bindu Kiranmayee Assistant Professor, Dept. of Veterinary Public Health received the 2nd best poster presentation award for the paper entitled Detection of Organochlorine Pesticide residues in milk, chicken & mutton samples by using Gas Chromatography in a National Conference on Recent trends in processing quality & safety of ethnic and organic foods held at TANUVAS, Chennai in 2014.

SUPPLY OF SUPERIOR GERM PLASM /ANIMALS/ FODDER SLIPS ETC.

- 60 Breeding Rams (Nellore Jodipiti) were distributed to 60 selected Sheep farmers for breeding purpose at LRS Palamner. Dr. L. Leslie Leo Prince, Incharge, PC Cell visited the unit and distributed rams to the farmers. Dr. T.S. Chandrasekhara Rao, Director of Research, SVVU, also participated in the programme.

- 1,06,750 fodder slips (APBN1 and Co4) were supplied to the farmers at LRS, Mahanandi

- 189 superior Large White Yorkshire piglets were supplied to beneficiaries under RKVY by AICRP on pigs, Tirupati.

AWARDS:

- Dr. K. Sadasiva Rao, Associate Dean received the Andhra Pradesh State Best Teacher award for the year 2014 from the Hon’ble CM of AP Sri N.Chandrababu Naidu.

- Dr. D.Srinivasa Rao, Professor & Head, ILFC has received State Best Teacher Award on 5th September, 2014 at Guntur by the Hon’ble Chief Minister of AP Sri N.Chandrababu Naidu.

- Mr. B. Rajiv Kumar and G. Chaitanya Kumar students of NTR College of Veterinary Science, Gannavaram received the special prize in South Zone level Veterinary Physiology Quiz competition conducted by SAPI held at Veterinary College at Mannuthy, Kerala.

- Dr. Iqbal Hyder, Assistant Professor, Department of Veterinary Physiology received the Young Scientist award of Society for Animal Physiologists of India (SAPI) at CIRB, Hisar.

- Dr. K. Sujatha received IAVP achievement award -2014 as Best Wildlife Pathologist during 31st annual conference of Indian Association of Veterinary Pathologists at Anand, Gujarat held in November, 2014
NSS AND OTHER ACTIVITIES

★ 16 NSS units are functioning in the University in which all students are enrolled as volunteers. Four special NSS camps were conducted in constituent Veterinary and Fishery colleges of the university in November, 2014. Total of 37 health camps were conducted in order to extend veterinary health services to the farmers. A total of 45,000 medicine, gynecological and surgical cases were attended and treated.

★ Rabies awareness rally was organized at NTR CVSc, Gannavaram and a guest lecture on “Rabies- a dreadful disease of mankind and animals” was given by Dr. Ravi Kumar, Professor, Dr. PSIMS Medical College, Gannavaram.

★ Swatch Bharath programe was organized by all NSS units in different constituent colleges of the University. The Swatch Bharath oath taking ceremony was conducted in the presence of concerned Associate Deans and NSS Programme officers

★ As a part of FIWEP programme farmers – scientist interaction has been conducted in the College of Fishery Science, Muthukur, Nellore on 28th November 2014 under National Service Scheme. Farmers from Paturivarikandriga and Muthukur attended the meeting.