

Eligibility Requirements

The Short Course is open for participants from ICAR Institutes / State Agricultural Universities / Central Agricultural Universities / Veterinary Universities and Krishi Vigyan Kendras. The participants should possess a Masters Degree from any of the recognized university in one of the following subjects. Veterinary Pathology, Veterinary Microbiology/ Virology, Veterinary Parasitology, Veterinary Public Health and Veterinary Medicine or Preventive Veterinary Medicine, and relevant basic sciences and are in the cadre of Assistant professor or above or equivalent with a minimum of two years of teaching / research experience. Participants will be selected on the basis of their ability benefit from the programme. As per the ICAR's policy, a few participants from the basic sciences may also be selected.

How to Reach

The NIVEDI is about 23 Km from city railway / bus Station, 15 km from Yeswantpur railway station. Prepaid taxi/auto can be availed at railway/bus station to reach NIVEDI, Ramagondanahalli. Yelahanka, Bangalore (Near to Nagarjuna Vidyaniketan, Behind CRPF Doddaballapur Main Road).

Boarding & Lodging

Expenses on boarding and lodging arrangements for selected participants will be borne by the organizer as per the ICAR guidelines on shared basis. Participants are requested not to bring any of their family members.

**Last date for application:
15th August, 2016**



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Information Brochure

**ICAR Short Course
On**

**ADVANCES IN LIVESTOCK DISEASE
SURVEILLANCE : INTEGRATION OF
MOLECULAR BIOLOGY & STATISTICAL
METHODS IN VETERINARY EPIDEMIOLOGY**

September 01 - 10, 2016

Sponsored by



INDIAN COUNCIL OF AGRICULTURAL RESEARCH
New Delhi

Patron : **Dr. B.R. Shome**

Course Director : **Dr. G. B. Manjunatha Reddy**

Course Coordinators : **Dr. K. P. Suresh**
Dr. S. S. Patil

Organized by



**ICAR - National Institute of Veterinary
Epidemiology and Disease Informatics**
Yelahanka, Bengaluru - 64. Karnataka

About the Institute

The project on animal disease monitoring and surveillance, which was initiated by the ICAR in the VII five year plan as an All India Coordinated Research Project (AICRP) became fully functional during the last quarter of 1987 with the establishment of four Regional Research Units (RRUs) located at Bengaluru, Hyderabad, Pune, and Ludhiana. The Central Coordinating Unit (CCU) was established at the Institute of Animal Health and Veterinary Biologicals, Bengaluru to co-ordinate research activities of the regional units. It was further strengthened in the VIII plan with support of ICAR and European Union by giving the responsibility of the National Project on Rinderpest Eradication (NPRE) involving the participation of 32 state level diagnostic/disease investigation laboratories. Later, realizing the impact of animal disease monitoring and surveillance on our entire livestock sector and to give a boost, ICAR upgraded this project to an independent institute status on 1st April, 2000 (during the IX plan) as - "Project Directorate on Animal Disease Monitoring and Surveillance (PD on ADMAS)" with ten collaborating units. The Directorate got further impetus with addition of five more collaborating units in the X plan. In XI plan, Guwahati Centre in Assam has been included as a collaborating unit of AICRP on ADMAS. Keeping in view of the tremendous contributions of this institute to country's livestock health sector, the council upgraded it to National Institute and rechristened as National Institute of Veterinary Epidemiology and Disease Informatics (NIVEDI) on 25th October 2013.

About the course

Epidemiology is the study of disease in populations. Veterinarians and other health professionals involved in the preventive medicine and public health professions use epidemiological methods for disease surveillance, outbreak investigation, formulating prevention and control measures and observational studies to identify risk factors of disease in both human and animal populations. Knowledge of conventional and molecular diagnosis is necessary to direct further research investigation and to implement disease control measures. The planning and implementation of any disease control programme use different tools and systems which depends greatly on information produced by epidemiological studies. This short course will help in acquainting the skills for the above said fields along with epidemiological methods used for disease surveillance to identify key hazard factors that are important. The course will also give participants hands on training on different epidemiological softwares, bioinformatics tools and diagnostics assays.

Course Contents

- Introduction to epidemiology
- Livestock disease informatics
- Principle of animal disease surveillance
- Molecular Epidemiology and phylogenetics
- Conventional and molecular diagnostics
- Livestock disease data analysis
- Sampling and sample frame

How to Apply

- Genetic disease modeling
- Risk based surveillance
- Laboratory tests and techniques as an aid in epidemiology
- Methods of disease investigation
- Statistical concepts in veterinary epidemiology

Eligible and interested candidates may apply at CBP Portal <http://www.cbp.icar.gov.in> latest by August 15th 2016. Hard copy of submitted online application along with a postal order/DD of Rupees 50/- (Nonrefundable) drawn in the favour of ICAR Unit NIVEDI, payable at Bengaluru should be sent to course director after approval from competent authority. The list of selected participants will be displayed on NIVEDI website and will be conveyed to the applicants through email. Only 25 participants shall be selected for the course.

TA & DA

Participants will be paid To and Fro journey fare by train (II AC)/ deluxe bus on submission of tickets as per ICAR guidelines. Participants are requested to make their own travel arrangements. No travel reimbursement will be made for Air Travel