

Information Brochure

ICAR Sponsored Ten days short course on
“Advances in GIS applications in epidemiological
analysis of Livestock diseases in India”

7th to 16th February 2024

Sponsored by



Course Director

Dr P. Krishnamoorthy

Senior Scientist, ICAR-NIVEDI

Course Coordinators

Dr K.P. Suresh

Dr R. Sridevi

Principal Scientist

Senior Scientist

Organized by



ICAR National Institute of Veterinary Epidemiology and
Disease Informatics (NIVEDI), Bengaluru, Karnataka

Patron

Dr Baldev Raj Gulati

Director

ICAR National Institute of Veterinary Epidemiology
and Disease Informatics, Bengaluru

Important Dates

Last date of application: 10th January 2024

Notification of Selection: 15th January 2024

Bank Account details

Bank: State Bank of India

Branch: Atturu Layout

Name: ICAR UNIT NIVEDI

Account Number: 10476393073

IFSC: SBIN0013282

How to reach

ICAR NIVEDI is located in Yelahanka and with a
distance of 20km from KSR Bengaluru city
junction railway station and 14km from
Yeshwanthpur railway station

<https://maps.app.goo.gl/Zip8wdU1afF2nTjf6>

About ICAR- NIVEDI

ICAR-National Institute of Veterinary Epidemiology and Disease Informatics (ICAR-NIVEDI) is an institute of repute with the mandate of R&D in the field of Veterinary Epidemiology and Disease Informatics. The significant contributions in the development of disease models, risk analysis, disease forecasting and forewarning, diagnostics for epidemiological survey in the field, and the impact analysis of livestock diseases. This institute played an important role in Rinderpest eradication from India and developed a National Animal Disease Referral Expert System (NADRES), an interactive software for livestock disease forecasting. The institute has been organizing various training programmes on epidemiology, economic impact, sampling frame, GIS and RS and disease diagnosis. ICAR-NIVEDI has state of art Bio-safety Level 2 laboratory for the handling the disease pathogens with biosafety and biosecurity practices. ICAR-NIVEDI organized national and international trainings in the area of epidemiology and disease informatics, economics of animal diseases including zoonoses.



Eligibility criteria

Master's or higher degree in Veterinary Science with specialization in Veterinary Epidemiology/ Pathology/ Parasitology/ Microbiology/ Public Health/ Biotechnology and allied disciplines of Agricultural/ Life sciences

How to Apply

Eligible candidates may visit the website: <http://cbp.icar.gov.in> for application submission and details. Take a printout of filled application and get it recommended by the competent authority. Scan and upload the approved copy at the above-mentioned portal before the last date of submission i.e., **10th January 2024**. There is no course fee, however, the participants will have to pay Rs. 50/- as registration fee by demand draft drawn in favour of "ICAR NIVEDI Unit" payable at Bengaluru or transfer the amount through online and send us the details of the course fee details such as Transaction ID or Reference Number for confirmation.

Course contents at a glance

- Introduction to epidemiological terms
- GIS software's and its applications
- Sampling techniques and sampling plan
- GIS in Veterinary Epidemiology
- Geo coordinate collection by GPS
- Outbreak data and GIS data collection
- Q GIS in Geo-spatial mapping
- Spatial analysis of livestock diseases using Epi-Info software
- Data visualization by choropleth maps
- Preparation of outbreak and cluster maps
- Risk map generation for livestock diseases
- Interpretation of GIS maps
- Reporting of results to policy makers
- Spatial analysis of various livestock diseases
- Impact assessment of livestock disease outbreaks

Travel Allowances

Participants will be paid return journey fare by shortest route by rail (permissible up to AC II tier)/road route as per ICAR guidelines. Participants are requested to make their own travel arrangements for reaching the venue and book the tickets after getting the email confirmation from the Course Director.

Boarding and Lodging

Outstation participants will be provided boarding and lodging in the Institute Guest House on sharing basis. Expenses on boarding and lodging arrangements for selected participants will be borne by the organizers as per the ICAR guidelines. Participants are requested not to be accompanied by their family members as accommodation facility is limited.

Number of Participants: 25

Correspondence:

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