



**Spatial Health and Epidemiology Using R & QGIS,
CBP for Social Science Faculty
Organized by
Department of Studies In Economics And Planning
Central University of Gujarat, Vadodara,
Sponsored by ICSSR NEW DELHI
(08th September to 19th September 2025)**



About CUG

The Central University of Gujarat (CUG), established in 2009 through an Act of Parliament, is a premier institution dedicated to the dissemination and advancement of knowledge through integrated and interdisciplinary education and research. Located in Vadodara, Gujarat, CUG is committed to fostering innovation in teaching and learning, training human resources for national development, and addressing social and economic challenges through academic engagement. The University emphasizes a strong interface with society and industry while upholding core human values and ethics. CUG offers programs across humanities, social sciences, science, and technology, and actively promotes academic-industry collaboration.

About Department

The Department of Studies in Economics and Planning (DSEP) at the Central University of Gujarat, under the School of Social Sciences, offers M.A. and Ph.D. programs in Economics. The department focuses on delivering quality education and conducting socially relevant research. Its curriculum emphasizes both theoretical and empirical training to address key socio-economic challenges at local, national, and global levels. Core areas of study include Development Economics, Econometrics, Industrial Economics, Indian Economy Public Finance, health economics & Research Methods. The M.A. program spans two years with a strong foundation in theory, quantitative tools, and fieldwork. The Ph.D. program involves rigorous coursework and research focused on contemporary economic issues.

About Workshop

The primary objective of the twelve-day capacity-building programme on “Spatial Health and Epidemiology Using R & QGIS” is to equip participants with theoretical and practical knowledge in spatial epidemiology. The workshop aims to build technical skills in handling, analyzing, and visualizing spatial health data using open-source tools like R and QGIS. It seeks to address the gap in technical training in India by empowering researchers, academicians, and professionals to interpret spatial patterns, assess geographic disparities in healthcare, and integrate spatial evidence into public health planning and decision-making.

DAYWISE THEMES OF THE PROGRAMME:

- ✓ Indigenous Knowledge Systems and Medicinal Mapping
- ✓ Remote Sensing and Environmental Health
- ✓ Multilevel Modelling in Public Health
- ✓ GIS Tools, Data Creation, and Preparation
- ✓ Heat Action Plans and Climate Adaptation in Health
- ✓ Core Spatial Analysis Techniques (Buffer, Hotspot, Network)
- ✓ Spatial Weight Matrices and Relationship Modeling
- ✓ Research Writing, Social Determinants, and Security
- ✓ Spatial Epidemiology with R and Tidyverse
- ✓ Advanced Spatial Analysis and Clustering (LISA)
- ✓ Geocoding, Accessibility, and Data Ethics in Health GIS
- ✓ Paper Clinic & Peer Review

WHO CAN APPLY

Faculty members in the Social Sciences, preferably those engaged in research related to public health, epidemiology, demography, environmental studies, GIS or allied disciplines.

HOW TO APPLY:

1. To register the applicants should click this Google form link <https://forms.gle/vTAwNi7dsMGLgCj2A> and submit all the required details.



2. The application will be scrutinized based on academic qualifications, work experience, 250-words write-up submitted by the applicants and as per ICSSR norms. The applicants selected/shortlisted for the Workshop will be informed through e-mail on **20th August 2025**

APPLICATION SCHEDULE

Last date for online registration	16th August 2025 (5.00 PM)
Final List of Selected Candidates	20th August 2025 (Will be informed by email and uploaded on cugicssr@gmail.com)

- ✓ **Selected participants should compulsorily carry laptops. *****

TRAVEL FOOD AND ACCOMMODATION OF PARTICIPANTS:

- ✓ Outstation Participants will be reimbursed travel fares of shortest route by train.
- ✓ Accommodation to outstation participants will be provided.
- ✓ Working Lunch/tea, refreshments will be provided to all the participants.

Chief Patron
Prof. Rama Shanker Dubey
Vice-Chancellor, Central University of Gujarat, Vadodara

Patron
Prof. H.B. Patel
Registrar, Central University of Gujarat, Vadodara

Prof. Tapas Kumar Dalapati
Dean, School of Social Science, Central University of Gujarat, Vadodara

For any further queries you may contact:

Dr Tulika Tripathi, DSEP, CUG

Course Director

Email: cugicssr@gmail.com

(This may be printed on a letter head of the forwarding institution)

Recommendation of the Forwarding Authority

I recommend the name of Dr/Mrs/Mr/Miss _____

Researcher/Assistant Professor/Associate Professor at department of _____

_____ (Dept/University/College) for ICSSR
Sponsored "*12 days Capacity Building Programme on Spatial Health and Epidemiology Using R & QGIS
for Researcher*" organized by the Central University of Gujarat, Vadodara from **08th September 2025
to 19th September 2025**.

In case of selection, he/she will be relieved on time to participate in the above Workshop.

Date:

**Signature and Seal of Head of the Institution
(Principal/Registrar/Head of Dept.)**