

Course Highlights

- Hands-on training and demonstration of GIS
- Meet with experts in GIS across platforms of health and technology
- Have an opportunity to learn basic skills in GIS.
- No course fees
- Accommodation and travel fellowships can be availed
- The last date of application is 10th February 2016.
- Registration is on first-come basis.

Resource Persons:

Dr. S. K. Katiyar

Professor, Dean, MANIT, Bhopal



Mr. Radhakrishnan T

Asst. Professor, IIIT-MK Kerala



Dr. Ajit N Babu

Director, Centre for Advancement in Global Health (CAGH),



Mr. Jayaprasad B K

Scientist E, NCESS, Kerala



Dr. Biju Soman

Additional Professor, AMCHSS



For registration, go to link:

<http://goo.gl/forms/NZE97XkW7w>

For format of no-objection certificate: attached with brochure



**Sree Chitra Tirunal
Institute for Medical
Sciences and Technology**

Contact Person

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**A three-day workshop
supported by NRDMS,
DST, Govt. of India.**

**Geospatial
Technologies in
Public Health**



On: 9-11 March 2016

**Achutha Menon Centre for
Health Science Studies
(AMCHSS)
SCTIMST,
Thiruvananthapuram-695011**

About the course



Course Requirements:

The course is spread over three days. Certificates will be issued for full-time participants who successfully complete the course. The participants are expected to bring their own laptops and preferably (but not mandatory) with Internet connection. Timings of the workshop will be from 8:30 AM - 5:30 PM. Mobile phones should be switched off or put on silent mode during the sessions. Open Source Resources that are available in the internet for free download are used for this course. CDs containing Q-GIS package, course materials, online tutorial instructions, etc, shall be given to all participants.

Course Fees: The participants need not pay for the course. Local accommodation (on twin shared basis), travel fellowships and course materials will be provided for the participants. The workshop secretariat shall select eligible participants from among applicants on first come basis.

Confirmation will be given to all by **12th February 2016**.

Travel Fellowship:

We also offer travel fellowships to outstation candidates (beyond Thiruvananthapuram district) limited to third A/C train fare or equivalents. You need to submit the original receipts/tickets to avail the facility.

No-objection from employer:

Students/employees should submit a non-objection certificate from appropriate authorities in the following format.

Applicants should upload a scanned copy of the signed NOC in the web registration platform. The original signed document along with the application should be sent through post to:

Dr Biju Soman

**Additional Professor & Workshop Coordinator
Achutha Menon Centre for Health Science Studies
Sree Chitra Tirunal Institute for Medical Sciences &
Technology, Thiruvananthapuram-695011, Kerala**

Phone: 0471 252 4230,

Email: bijusoman@sctimst.ac.in

Kindly note that we shall process your application only after receipt of your signed application form in hardcopy (by post).

What is GIS?

Geographic information systems (GIS) are powerful automated systems for the capture, storage, retrieval, analysis, and display of spatial data. At present many open source softwares capable of doing all these functions and geo-referenced maps of reasonable resolution for public health analysis are available free of cost.

What are the advantages of GIS?

The greatest advantage of GIS packages in public health is that it can handle huge and varying amounts of tabular data and create very appealing visual maps that can be readily understood by policy makers and the community. Likewise it can be used to evaluate health programs in a people friendly way. Similarly its potential for spatial analysis is a great tool for epidemiological evaluations.

Who will benefit from the course?

This course is designed for practising public health professionals. Junior or middle level faculty members from the community medicine departments of medical colleges can also apply for this training program.

What the course does not offer?

This is a first level course and is intended for people with little or no exposure to GIS. Those who are already introduced to GIS and looking for more advanced skills may not benefit.

What the course offers?

The course offers hands-on training and demonstration of some basic GIS analyses that are useful in public health. It is an introductory course with a hectic schedule. Pre-requisites are limited to familiarity in computer applications and basic statistics, but those who are not exposed to GIS basics might need to put in extra efforts to complete the training successfully. Preference will be given to the public health practitioners who have already done work or intending to do work in GIS/ those in faculty positions in public health institutes/who intend to provide training in GIS.

We shall be covering the following aspects, GIS & QGIS overview, projection, image registration and georeferencing, digitalisation, map making, data exploration and joining, data query and spatial query, basics of GPS, Remote Sensing and spatial analysis. Most of these sessions will have hands on training activities and in addition there would be a couple of demo sessions on web GIS and R GIS.



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