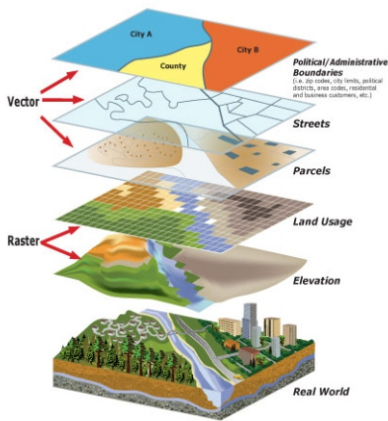


Health Information Management Unit  
Office of PDHS, North Western Province

# Workshop on Geographical Information System (GIS) and Application for Staff of Healthcare Sector.



**G**eographical Information System (GIS) is an emerging technology that can be applied to the health sector to solve problems which are bounded with geographical facts with more complexity, as a tool for informed decision.

Understanding and analysing health-related events or cases by geographically means or by maps, it will be provided more meaningful information rather than simple tabular or graphs.

Basically GIS and its surrounding sciences such as remote sensing (RS), Satellite Navigation System (SNS) and Web mapping will be a most useful technology that can be used to store, to analyse and to visualize health-related problems and interventions to produce the maps which can mostly influence to proper decisions.

This course is designed to provide basic and theoretical knowledge and comprehensive hands-on training associated with GIS and SNS by using open source software.

**Content:** Topics to be covered including Introduction to GIS, Coordinate Systems, Data Input, and Data types, Visualizing, Symbolizing & Labelling of Geographical Features, Working with Data (Spatial and Non-spatial), Single and Multiple Queries, Basic Vector Geo Processing, Geo Data Analysing, Introduction to Satellite Navigation System (SNS), Basic Geo data capturing using Smart Phone & Free App, Map Output and Map Elements, and Map data in a virtual globe.

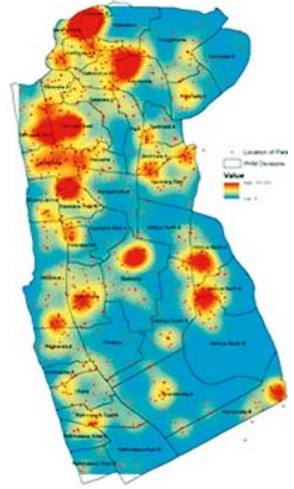
**Venue :-** Health Information Management Unit,  
PDHS Office, Kurunegala

**Duration :-** Group I - 2 Days  
Group II - 4 Days

**Target Groups :-**

**Group I -** Medical Officers of Health/Additional Medical Officers of Health, Heads of the special campaigns/ projects at Provincial & and Regional Level, Health Informaticians.

**Group II -** ICT staff, SPHII, PHNSS, SPHMM, MRO & MRA, PPA, DO, MA.



**Pre-prerequisite :-** Adequate computer literacy: Competent in word processing and Spread Sheet, Knowledge on software installation, File management and use of internet.

**Number of participants :-** 10 Participants per group

**Language :-** Simple English & Sinhala

**Mode of conducting :-** Lecture | Practical Exercise | Demonstration | Field Works.

**Certification :-** Participation certificate will be awarded to all the participants who is having 75% attendance.

**Method of Application :-** Application for training can be downloaded from the department website [www.healthdept.nw.gov.lk](http://www.healthdept.nw.gov.lk) or collect from the PDHS office and filled application send to “**Provincial Health Informatician, Health Information Management Unit, PDHS Office, PO Box 84, Kurunegala**”.

**Further Information Please Contact :**

Health Information Management Unit, PDHS Office, Kurunegala  
over 037-2056807 or Ranjan (Development Officer)- 071-5447231