

TRAINING COURSE

ON

COMPUTER APPLICATIONS IN HYDROLOGY

(UNDER WORLD BANK AIDED HYDROLOGY PROJECT)

*Water Related Information
on
Internet*

BY

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WATER RELATED INFORMATION ON INTERNET

Internet is gaining popularity day by day in India. It can be defined as a network of computer networks. Growth of Internet is going to be phenomenal and the usage is going to increase terrifically in India in next few years. The acceptability of Internet is beneficial to all the sectors. It has already helped Indian companies to create brand awareness etc. Internet being on the international super highway has really increased by leaps and bounds all over the world which help in additional revenue.

Before the launch of internet services in India by Videsh Sanchar Nigam Limited in 1995, there were only under 10,000 connections in India. Now-a-days there are about 1 lakh computers linked to it in India. These include dial-up and leased connections. The access is expected to increase considerably in the next few months due to various concessions given by the government to IT sector.

Some of the most popular uses of internet in India are web browsing, e-mail and FTP. In few years Internet will be deployed for commercial purposes including home banking, tele-shopping, electronic commerce, internet telephony, video conferencing, web versities etc.

There are many water related web sites available on internet globally. Some popular sites are:

Indian Web Sites

- National Informatics centre - www.nic.in
- IIT, Delhi - www.iitd.ernet.in
- IIT, Bombay - www.iitb.ernet.in
- IIT, Kanpur - www.iitk.ernet.in
- IISC, Bangalore - www.iisc.ernet.in
- NIH, Roorkee - www.nih.ernet.in
- CBIP- www.cbip.org
- ICAR - www.nic.in/icar
- CWC - www.nic.in/org/cwc

General Hydrological Web Sites

- International Association of Hydrological Sciences - www.wlu.ca/~wwwiahs/index.html
- International Commission on Large Dams - genepi.louis-jean.com/cigb
- Warelet Information - (www.mat.Sbg.ac)
- Canadian Groundwater Directory - (qwrp.cciw.ca)
- Global River Environment Education Network - (www.igc.org)
- Geoscience Information Centre Scripps Institute of Oceanography-(Gs.vcsd.edu)
- Advance in Environment Research - (www.sfo.com)
- DAM & Reservoir Impact & Information Archive-(www.sandelman.ocunix.on.ca)

- UWIN wet list - (WWW.UWIN.SIU.edu)
- Data - (terrassa.pnl.gov)
- Irrigation & Hydrology - (www.wiz.uni-kassel.de)
- Waste Water Engineering - (www.halcyon.com)
- Hydrology & Environmental Science LINS - (www.us.net)
- On line Resources for Groundwater Studies - (gwrp.cciw.ca)
- Hydrology List (USGS) - (info.er.usgs.gov)

Hydrological Data Resources

(etd.pnl.gov.2080/hydroweb.html)

- Hydrologic Data - (civil.ce.utexas.edu)
- Agriculture related Data Base - (www.agnic.org)
- Averstar GIS Data - (www.averstar.com)
- Canadian Water & Climate Data & Information - (www.cmc.ec.gc.ca)
- Daily Stream Flow Retrieval - (ariesia.eardc.swt.edu)
- GIS online - (Kayenta.geog.byu.edu)
- Global Hydrology & Climate Centre - (www.ghcc.msfc.nasa.gov)
- Global Land Information System - (edc.www.cr.usgs.gov)
- Ground Water Information System - (www.env.gov.bc.ca)
- Hydrology GIS Data - (www.nohrsc.nws.gov)
- Land Surface Hydrology Data link - (www.tiwr.arizona.edu)
- National Climatic Data Centre - (www.ncdc.noaa.gov)
- Water Resource Data - (info.er.usgs.gov)
- World Data Centre System - (www.ngdc.noaa.gov)
- World Hydrological Cycle Observing System - (www.wmo.ch)

Computer Modelling & Software

- Ground Water Modelling System - (www.ems-i.com)
- AQUADYN Hydraulic Simulation System - (www.flash.net)
- Internet Software Guide for Engineers - (www.geocitus.com)
- USGS Water Resources Application Software - (water.usgs.gov)
- Free Surface Water Software - (www.flash.net)
- Computer Aided Hydrology & Hydraulics - (www.erols.com)
- Scientific Software Group - (www.scisoftware.com)
- Hydrosoft - (www.hydrosoftenergie.com)
- GKY & Associates.IN (this website contains several Hydrology & Water quality software packages for free download) - (www.gkG.com)
- Streamline Groundwater Applications - (streamlinegwa.com)

- Water ware (Water resources management information system, Counting data bases, GIS, Simulation models & Expert system - (www.ess.co)
- XGW is a 2D interactive ground water simulation model - (www.ess.co.at)
- Institute of Hydrology - (www.nwl.ac.uk)
- HYDATA is a database designed for storing checking, presenting & analysing hydrological data - (www.nwl.ac.uk)
- IHACRES (Unit hydrograph approach to catchment scale rainfall-runoff modelling) - (www.nwl.ac.uk)
- WINFAP (Hydrological Frequency Analysis Package designed for use by hydrologist)- (www.nwl.ac.uk)
- PC-QUASAR (Water quality & flow model) - (www.nwl.ac.uk)

Publications

(terrassa.pnl.gov.2080/hydrology/pubs.html)

- Hydrology Journals - (www.science.komm.at)
- Advances in Environment Research - (www.sfo.com)
- Journal of Environment Hydrology - (www.hydroweb.com)
- Water Publication Digest - (www.groundwater.system.com)
- Water Resources Publication - (www.waterplus.com)
- Groundwater Flow & Transport Modelling List - (www.et.byu.edu)
- Soil & Groundwater Cleanup - (www.sgcleanup.com)
- Hydrology Manual on CD - (www.deodson-hydro.com)
- Advance in Water Resource - (www.elsevier.ne)
- Journal of Hydrology - (www.elsevier.co.jp)
- Journal of Water Science - (www.rse.quebec.ca)
- Lakes & reservoirs : Research & Management - (www.blackwell.science.com)
- Water Air & Soil Pollution - (www.wkap.ne)
- Water Environment Research - (www.wef.org)
- Water Resources Management - (www.wkap.ne)

