



Module -7

ROLE OF IT – ENVIRONMENT & HEALTH

By

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ROLE of IT in Environment and Human Health

- IT has tremendous potential in the field of E. education and health, business, economics, politics, or culture.
- Development of internet facilities, world wide web, **Geography Information System (GIS)** etc..
- No. of softwares plays major role in E.

Database on Environment and Health

- Database is the collection of inter-related data on various subjects.
- There are several DICs - **Distribution Information Centres** in our country for the information network.
- Database is also available for disease like HIV/ AIDS, malaria, Fluorosis etc..
- **ENVIS: Environment Information System- 1982 Dec. Established as a plan programme**

Objective of EIS

- To build up a repository and dissemination centre in Environment science and Eng.
- To gear up modern technology of acquiring processing EI.
- To support and promote research, development and innovation.
- Develops the future needs.

National Management Information System (NMIS)

- **Department of science and technology** has complied a database on research and development project along **information about research scientists and personnel** involved.

GIS

- It is a technique of superimposing various thematic maps using digital data on a large no. of inter-related or inter-dependent aspects.
- Application
 - Useful for future land use planning.
 - Interpretation of polluted zone, degraded lands.

- Planning for locating suitable areas for industrial growth.
- Serves to check unplanned growth and E problems
- Our satellite data- correct, reliable and information about forest cover, etc.
- Atmospheric information, ozone layer depletion.
- Discover new reserve of oil, minerals etc. identifying several disease.

- Thus remote sensing and GIS play a key role in resource mapping, E. conservation, management, planning.
- Some important website
 - www.bhns.org.
 - www.cseindia.org.
 - www.greenpeace.org/
 - www.epa.gov.

Thank you