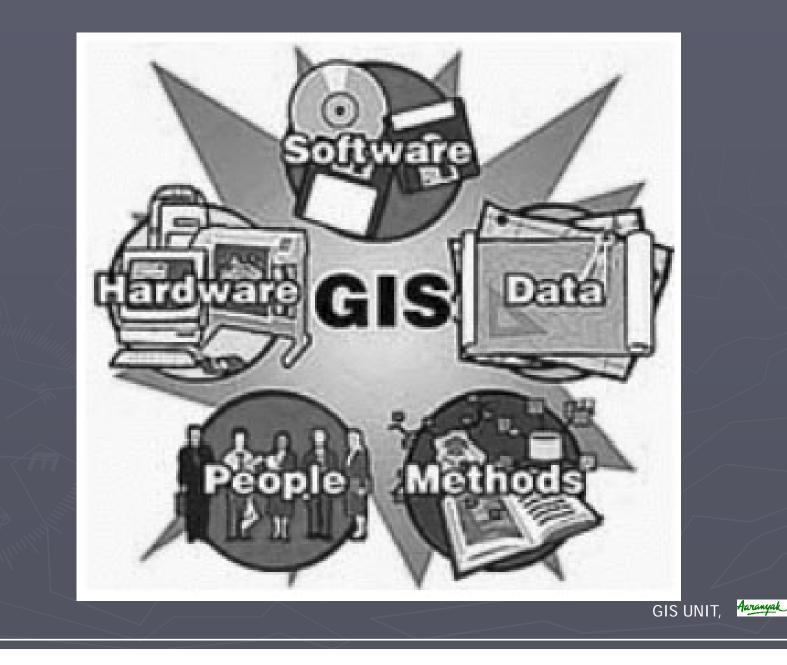
Dr. Pranjit Kr. Sarma Department of Geography Mangaldai College



► Hardware

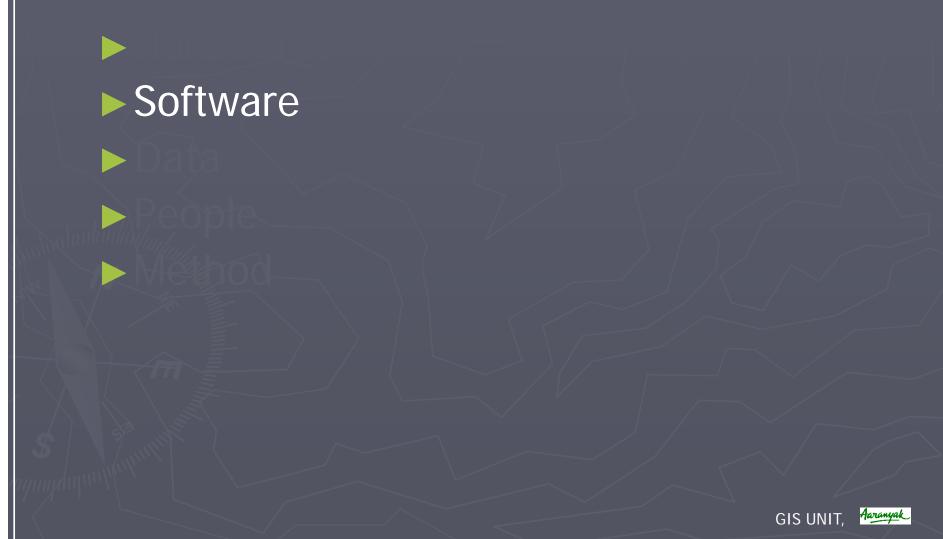
GIS UNIT, Aaranyak

<u>Hardware</u>

Hardware is the computer system on which a GIS operates.

Example -Computer or Workstations Plotter Scanner





<u>Software</u>

GIS software provides the functions and tools needed to store, analyze and display geographic information.

Some GIS Software –
Arc GIS
Map Info
Arc View
GRASS
ILWIS







<u>Data</u>

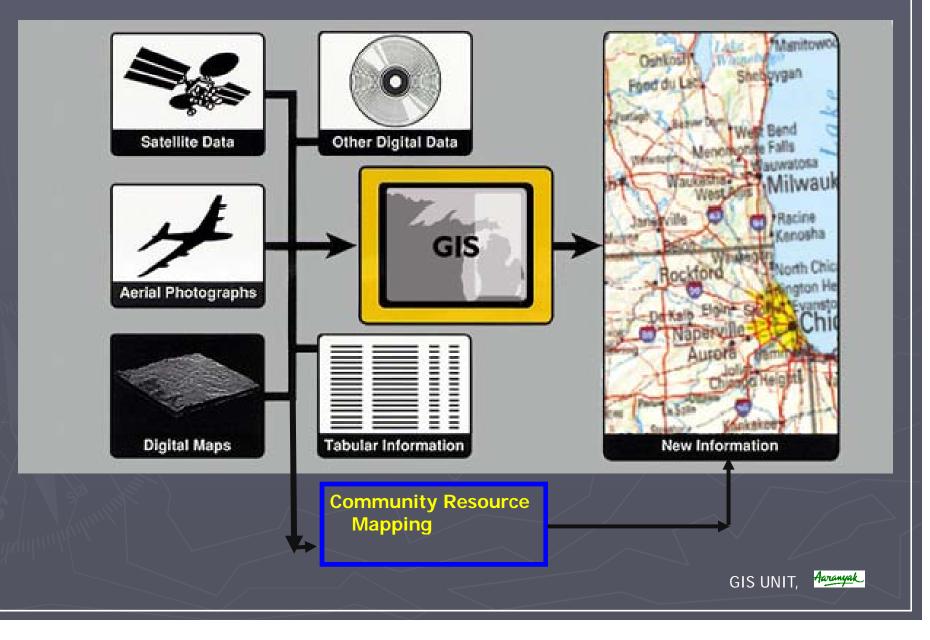
Most important component of GIS.

GIS can integrate spatial data with non spatial data resources, often stored in a corporate DBMS.

The integration of spatial data and non spatial data (tabular data) stored in a DBMS is a key functionality afforded by GIS.

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DATA USED IN GIS







<u>People</u>

GIS technology is of limited value without the people who manage the system and develop plans for applying it to real world problems.

Users are two types
 Technical Specialist- who design and maintain the GIS – Software Professionals.
 Users who use it in everyday works.



Method



<u>Methods</u>

A successful GIS operates according to a well-designed implementation plan and business rules, which are the models and operating practices, unique to each organization.



Functions of GIS

▶ Display on the screen. ► Edit, Change, Transform. ► Measure distances, areas Combine maps of the same area together. ► Keep inventories of what is where. Judge the suitability of areas for different purposes. Help user make decisions about places, plan Make prediction about the future. etc.

