GIS and GPS APPLICATIONS FOR DISASTER MANAGEMENT

1. Role of GPS in Surveying and Mapping
2. Use of GIS and Remote Sensing Technology in Disaster

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1. GPS
2. Geo-tagging
3. Mobile Apps
4. GPS Tracking
5. Google Maps
6. Data formats (gpx,kml,kmz..etc)
7. 3D Flood Modeling
8. Google Earth Pro & GIS
   a) Latitude and Longitude Capturing
   b) Distance and Area Mapping
   c) Importing GPS / Mobile data
   d) Temporal Analysis
   e) 3D Modeling
Where Will This Take Us?

- What is GPS? What is GIS?
- How do GPS and GIS work?
- How will they help us?
What is GPS

The Global Positioning System (GPS) is a satellite-based navigation system made up of at least 24 satellites. GPS works in any weather conditions anywhere in the world, 24 hours a day, with no subscription or setup charges.
What is GPS?

- **GPS** stands for **Global Positioning System**
- **GPS** is a satellite navigation system designed to provide accurate position, velocity, and time information almost anywhere in the world.
- The present system is known as NAVSTAR - **NAVigation Satellite Timing And Ranging**
- The GPS program operated and controlled by the US Department of Defense.
Which one is better solution for survey?