



GIS MAPPING AND SURVEYING SERVICES

By

GIS Vision India

(A registered Org. under Govt. of India)

ISO 9001:2015 CERTIFIED

Registered office: 3rd floor, Gulshan Grand, G.S. Road, Guwahati-781006, Assam, India



Welcome to GIS Vision India, your trusted partner for comprehensive GIS mapping and surveying solutions. With years of experience and a dedicated team of experts, we offer a wide range of services tailored to meet your needs.

Our Services:

1. Geographic Information Systems (GIS) Mapping:

- Precise spatial data analysis and visualization.
- Customized map creation for various industries.
- GIS database design and management.

2. Land Surveying:

- Accurate land boundary determination.
- Topographic and contour surveys.
- Land development and planning support.

3. Aerial and Drone Surveys:

- High-resolution aerial imagery acquisition.
- Terrain modelling and 3D mapping.
- Environmental monitoring and assessment.

4. Geospatial Data Analysis:

- Data integration, analysis, and interpretation.
- Location-based insights for informed decision-making.
- Predictive modelling and trend analysis.

5. Cartography and Visualization:

- Expert map design and cartographic representation.
- Interactive web-based mapping applications.
- Effective communication of spatial information.

[Contact Information]

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Types of survey we do

- **Differential Global Positioning System (DGPS) Survey:** DGPS involves using a network of ground-based reference stations to provide correction signals to GPS receivers. This improves the accuracy of GPS measurements, making it suitable for precise positioning in applications like land surveying, construction, and mapping.
- **Total Station Survey:** A total station is an electronic instrument used for angle and distance measurements. It's commonly used in land surveying to determine positions, angles, and distances between points on the ground.
- **LiDAR (Light Detection and Ranging):** LiDAR uses laser light to measure distances and create detailed 3D maps of the Earth's surface. It's often used in forestry, urban planning, flood modeling, and archaeological studies.
- **Aerial Photogrammetry:** Aerial photography is taken from aircraft or drones and is used to create accurate maps, models, and measurements. Photogrammetry involves analyzing these photographs to make measurements and extract valuable information.
- **Drone Surveys (UAV/UAS):** Unmanned Aerial Vehicles (UAVs), or drones, are equipped with cameras or LiDAR sensors to capture high-resolution imagery and data from the air. Drone surveys are used for mapping, agriculture, environmental monitoring, and more.
- **Terrestrial Laser Scanning (TLS):** TLS uses a laser scanner to capture precise 3D data of objects and surfaces. It's used for creating detailed models of buildings, cultural heritage sites, and infrastructure.
- **Mobile Mapping:** Mobile mapping involves using vehicles equipped with various sensors (GPS, LiDAR, cameras) to collect geospatial data as they move through an area. This is often used for road inventory, asset management, and urban planning.
- **Ground Penetrating Radar (GPR):** GPR uses radar pulses to image the subsurface. It's useful for detecting buried utilities, archaeological features, and geological structures.
- **Hydrographic Survey:** Hydrographic surveys map underwater features, including depth, shape, and seafloor characteristics. These are crucial for navigation, coastal engineering, and environmental studies.
- **Geodetic Survey:** Geodetic surveys establish accurate reference points on the Earth's surface for use in mapping and navigation. They provide the foundation for other surveying methods.

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- **Cadastral Survey:** Cadastral surveys establish and document the boundaries of land parcels for legal and administrative purposes, including property ownership and taxation.
- **Topographic Survey:** Topographic surveys measure and map the features of a landscape, including natural and man-made features like contours, buildings, rivers, and vegetation.
- Each survey method has its own advantages, applications, and limitations. Depending on the project requirements, a combination of these methods might be used to achieve the desired level of accuracy and detail.

Why Choose GIS Vision India?

- **Experienced Professionals:** Our team consists of seasoned GIS experts and surveyors with a proven track record.
- **Cutting-edge Technology:** We utilize the latest GIS software, hardware, and surveying instruments for accuracy and efficiency.
- **Tailored Solutions:** Every project is unique. We work closely with clients to develop customized solutions that align with their goals.
- **Industry Versatility:** Our services cater to a wide range of industries, including urban planning, agriculture, natural resources, infrastructure, and more.
- **Client Satisfaction:** We prioritize client satisfaction and strive to exceed expectations on every project.

Contact Us:

For inquiries, quotes, or to discuss your GIS mapping and surveying needs, contact us today. Join us in unlocking the power of geospatial information with GIS Vision India.

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