

GUIDELINE SURVEYING CONSULTANTS

TOPOMAPPING & ENGINEERING SERVICES

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JOB DESCRIPTION – Junior CAD Engineer

Job Role: Junior CAD Engineer
Location: Bangalore, Karnataka

Introduction

We are looking for a detail-oriented CAD Engineer to join our team at Guideline Surveying Consultants.

As a CAD Engineer, you will be vital in analysing data to support our client's engineering and construction needs. You will study data, create maps, and provide crucial insights to our client teams. You will also have access to state-of-the-art surveying software technology, enabling you to deliver high-quality results.

The ideal candidate must have a strong understanding of surveying techniques, topographic surveys and site analysis. If you are passionate about the field of infrastructure and have a keen eye for detail and precision, we invite you to apply. We offer competitive compensation, benefits packages and a supportive work environment with professional growth opportunities.

Objectives of this role

- Analysing survey data and creating detailed survey reports, maps, and drawings to support project planning and decision-making.
- Identifying land boundaries, markers, and existing infrastructure to ensure compliance with legal and regulatory requirements.
- Collaborating with project managers, engineers, and architects to provide survey information for design and construction purposes if needed.
- Utilising software applications and computer-aided design (CAD) tools for data analysis and report generation.
- Ensuring adherence to project timelines and quality standards.

Your tasks

- Preparation of Survey Drawings - Create accurate 2D and 3D CAD drawings from field survey data, such as topographic maps, boundary maps, and site plans. Develop detailed and scaled representations of survey results for use in construction, engineering, or development projects.
- Data Interpretation and Conversion - Interpret raw data collected by surveyors (e.g., GPS data, total station measurements) and convert it into usable CAD formats. Overlay data on existing maps, aerial photographs, or satellite images to provide a comprehensive view of the area.

- Collaborating with Surveyors - Work closely with land surveyors to understand project requirements and ensure accurate representation of the land features. Address any discrepancies between field data and drawings by coordinating with the survey team.
- Updating and Maintaining Records- Update drawings as required to reflect changes in the field or project scope. Maintain an organized library of CAD files and ensure proper version control of project documents.
- Technical Calculations and Annotations - Perform basic calculations related to land area, elevations, distances, and other survey data. Annotate drawings with labels, legends, and notes as required for clear interpretation.
- Adherence to Standards - Ensure that drawings comply with local regulations, survey standards, and project-specific requirements. Apply industry best practices to ensure precision and consistency in all deliverables.
- Assisting with 3D Modelling and Visualization - Create 3D terrain models, contour maps, and other visualizations to support planning and development processes.
- Software Proficiency - Utilize CAD software such as AutoCAD, Civil 3D, MicroStation, or similar tools to perform drafting tasks. Stay updated on software advancements and integrate new tools or techniques as needed.
- Support for Permits and Documentation - Assist in preparing documentation and drawings required for obtaining permits or approvals from regulatory bodies.
- Quality Control - Review drawings and designs to identify and correct errors before submission to clients or project teams.

Required skills and qualifications.

- ITI/ Diploma / Bachelor's degree in surveying, draughtsman, geomatics, civil engineering, or a related field.
- 0-2 years of experience in surveying or a similar role.
- Strong knowledge of surveying techniques, equipment and software, preferably in the Indian context.
- Experience in land survey laws, regulations and practices in India.
- Proficiency in using CAD software for surveying.
- Solid understanding of survey calculations and coordinate systems.
- Strong analytical and problem-solving skills to interpret survey data and resolve discrepancies.
- Analytical and mathematical abilities with attention to detail in survey measurements and documentation.
- Ability to work both independently and collaboratively with effective communication.

Preferred skills and qualifications

- Professional certification, such as a Licensed Professional Surveyor (LPS) or Certified Survey Technician (CST) or certification in CAD.
- Proficiency in data analysis and interpretation using statistical software or tools.
- Ability to read and write Kannada and/or Tamil to analyse the revenue documents.

Why Join Us?

At **GUIDELINE SURVEYING CONSULTANTS**, we value talent and provide opportunities for professional growth. Our team members enjoy perks such as competitive salaries, training opportunities, Employee Provident Fund, 24 days of paid Annual leaves, ESI for Eligible employees, Annual bonus & gifts, Team outing with other recreational activities and Bachelor accommodation.

To know more about us, visit www.guidelinesurveys.com

How to Apply:

Interested candidates are invited to submit their resume, cover letter, and/or any relevant certifications through email : guidelinesurveys@gmail.com, office@guidelinesurveys.com arri.guideline@gmail.com. We encourage applicants of all backgrounds to apply and look forward to onboarding passionate individuals to our team.

For any inquiries, feel free to contact the HR department.

Thank you,



Amritha. LA
HR - Administration
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