Bittu K Thampi

LIDAR | PHOTOGRAMMETRY

5+ years of experience in the fields of Photogrammetry, LiDAR, and GIS.

Experienced in LiDAR data classification,LiDAR data matching,Feature extraction and Aerial Photogrammetry projects.

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PROFESSIONAL HISTORY

Team Leader-(Lidar/Photogrammetry)-Meridian Geomatics and Engineering

2022 - PRESENT

- Mobile mapping/UAV/SLAM
- Pointcloud processing
- QA QC and Delivery

Lidar Engineer/Photogrammetrist - Meridian Geomatics and Engineering

2019-2022

- Image processing,Stereoplotting,DTM, Contour,Orthophoto,Topo
- Point cloud matching,Point cloud classification,Feature extraction,

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EXPERIENCE

LiDAR and Photogrammetry Specialist with experience in 3D scanning, surveying, and spatial data processing. Skilled in mobile mapping, UAV-based LiDAR, and SLAM LiDAR systems. Experienced in LiDAR data capture, classification, DSM/DTM generation, contour extraction, post-processing, digitizing, QA/QC, and final deliverable preparation.

Proficient in photogrammetry workflows, including post-processing of captured photos with static base station data for accurate georeferencing and 3D modeling.

Experienced in GIS (ArcGIS, QGIS) for spatial data management, analysis, and map production. Involved in project coordination to ensure the accurate, timely, and high-quality delivery of geospatial products.

SKILLS

- LiDAR project setup,data classification,Data matching with terra match,DEM ,DSM,Contour generation.
- TerraScan,TerraModel,TerraMatch.
- PRJ creation Photogrammetry projects.
- AT - Aerial Triangulation(Pix4d).

CERTIFICATIONS

- Online Certificate course- Going Places with Spatial Analysis-ESRI
- Online Certificate course- Getting Started with Spatial Analysis-ESRI
- Online course on Cyber security - Electronics and Information Technology - KERALA

SOFTWARE PROFICIENCY

- **Photogrammetry :**Application Master 8.0,12.1
- **CAD Software :** MicroStation connect,AutoCAD,Civil3d.
- **GIS Software :** ArcGIS,QGIS,ArcGISpro
- **Image Processing**:Pix4d, Pix4d matic,3Dsurvey,Agisoft
- **Other Softwares**:Global Mapper,Pix4d Survey,Google Earth