

SURAJ KUMAR

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EDUCATION

Michigan Technological University, Houghton MI Expected: May 2017
Master of Science - Civil Engineering | Specialization: Construction Management GPA: 3.68
Visvesvaraya Technological University, India June 2014
Bachelor of Science - Civil Engineering

INTERNSHIP EXPERIENCE

Engineering Intern: Village of Howard, Green Bay, WI May 2016-Dec 2016

Project Objective: Construction of Utilities/Roadway with total length of 5500ft at Meacham's Crest project, 650ft at Meijer Drive project, 1600ft at Ellis Hill project as well as inspections of detention pond, sidewalks/crosswalks and trails.

- Assisted in preparation of engineering plans, specification, bid documents, cost estimates and storm water BMP's.
- Work included providing directions and communicating to surveyors, soil testers, engineers, and construction personnel
- Performed inspection of materials, erosion and sedimentation control, shoot elevations, kept track of pay items and daily log of all construction activities
- Assisted in project designs, contract writing, permitting, contract closeout and preparing pay request
- Completed As-Built drawings to insure and document that the site was constructed as per design plans

Project Trainee: Mantri Developers Private LTD, Bangalore, India Dec 2014-June 2015

Project Objective: Construction of commercial tower (127.65m height) with total area of 945,402 sqft, residential tower (167.80m height) with total area 885,031 sqft and metro station (27m height) with total area of 227,187 sqft.

- Supervised construction activities of projects on a day-to-day basis
- Provided proper guidance and monitored construction activities by studying drawings and specifications
- Ensured adherence to timeline by interacting with the project management team
- Prepared manpower report, daily execution report and documentation along with inspection of contractor's work
- Certified contractor's RA bills as per recorded execution of work

PROJECT EXPERIENCE

Project Scope: Planning Scheduling and Estimating - County road bridge MK over Warner Creek

- Performed quantity takeoff calculation, estimation; Proposed timeline to complete the work
- Creating detailed cost estimates by analyzing design plan; Compilation of required bid documents
- Calculated duration of activities from production rates in RS means and assigned resources to activities.

Project Scope: Application of LiDAR Technology in Civil Engineering - Analysis and Mapping

- Performed LiDAR airborne survey to gather information of landscape, collect data on topography, drainage pattern and soil characteristics within the location to integrate them into ArcGIS database

TECHNICAL COMPETENCY

- AutoCAD 2D and 3D: Excellent skills in creating, editing 2D and 3D drawings
- Primavera P5: Effective in creating scheduling and updating projects
- ArcGIS: Experience working with maps and geographic information
- 3ds Max: Capable of modeling, animation and rendering
- STAAD Pro V8i: Proficient in modelling, designing and analyzing structures
- SimaPro and Open LCA: Practiced performing life cycle analysis
- HydroCAD: Knowledge and trained for basic application
- Auto level basic and laser: Trained to do land surveying

CAMPUS LEADERSHIP

- Coach | Student Success Center | Dept. of Civil and Environmental Engineering
- Advertisement Sales Person | The LODE | Michigan Tech newspaper
- Committee Member | Graduate Student Government Housing and Transportation | Michigan Tech
- Mentor | Mind Trekkers | Michigan Tech

WORK HISTORY

- Student Employee | Office and Admin Support | Michigan Tech Housing and Residential Life (10Hours/week)
- Accounting Manager | Sahyadri Service Station | India