

Ramesh Kumar Battu
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EDUCATION

Master of Science, Major: Construction Engineering & Management Expected Graduation: December 2021
California State University Fullerton, CA, USA. GPA: 3.48

Courses: Preconstruction Design Evaluation; Cost Estimating & Bidding strategy; Project Management; Project Scheduling, Estimating, and Bidding; Heavy Construction Engineering; and Advanced Construction methods.

Master of Technology, Major: Structural Engineering November 2015 - November 2017

MVGR College of Engineering (A), Vizianagaram, INDIA. GPA: 3.7

Courses: Theory of Elasticity; Disaster Management; Earthquake Resistant Design; Prestressed Concrete; Substructure Design; Repair and Rehabilitation of Structures; Stability of Structures; and Design of Steel and Concrete Structures.

Bachelor of Technology, Major: Civil Engineering September 2011 - June 2015

VIGNAN'S Institute of Information Technology, Visakhapatnam, INDIA. GPA: 3.3

Courses: Engineering Drawing; Surveying; CAD Practices; Estimation Specifications and Contracts; Pavement Design; Environmental Impact Assessment; Remote Sensing and GIS Application; and Transportation Engineering.

COURSE PROJECTS

- Study on Effect of Seismic Isolation and Lateral Load Resisting System on Irregular Reinforced Concrete Frames. The analysis includes a study of average base shear, roof displacements, inter-story drift ratios, and roof accelerations after decoupling the structure from potentially damaging earthquake-induced ground motions.
- Effect of Mineral and Chemical Admixtures and their combinations in different grades of Concrete having Portland Pozzolana Cement. Compressive strength of M20, M30, and M40 grade cube and cylindrical specimens were compared at different curing periods.
- Creating and submitting a bid package to Fullerton Arboretum for a new parking lot. It includes designs, schedules, cost estimates, and resource allocations.
- Conceptualizing construction of ancient Colosseum of Rome in the twentieth century using modern construction equipment, methods, and techniques. Results include transportation of materials, cost and time comparisons, and engineering economics.

PROFESSIONAL EXPERIENCE

VENKATA SAI CONSTRUCTIONS, Visakhapatnam, AP, INDIA January 2018 – May 2019

1. Construction of Transformer Oil Testing Laboratory Building, Visakhapatnam.

Site Engineer

- Assist the management in designing concrete elements and develop CAD drawings to ensure the quality of documentation is appropriate with the company's work plan.
- Ensuring staff compliance with codal provisions and reviewing field operations for quality management.

2. Repair and Rehabilitation of Civil Works Building under Director General Naval Project, Visakhapatnam.

Site Engineer

- Conducting technical inspections on structural elements using Non-Destructive Testing Methods.
- Produced damage reports and costs estimation reports for damage control.

3. Rehabilitation and Surface Finishes of Jetty Fascia Walls (N-15 to N-20) at Naval Dockyard, Visakhapatnam.

Site Engineer

- Assisting construction manager in developing damage reports and updating daily progress reports.
- Preparing purchase orders, short-term plans, and schedules to complete activities on time.

INDIABULLS, Sierra Visakhapatnam, AP, INDIA

May 2016

Intern

- Checking design calculations of concrete in structural elements and developing Bar Bending Schedules.
- Estimating quantity takeoffs in retaining walls and selection of cranes and storm-water drainage systems.
- Setting out, leveling, and surveying using Total Station.

MEMBERSHIPS

- Construction Management Association of America (CMAA), Student Member February 2020 – Present
- American Society of Civil Engineers (ASCE). Student Member February 2020 – Present

COMPUTER SKILLS

AutoCAD, STAAD.Pro, ETABS, SAP2000, SeismoSignal, & MS Office (Project, Word, Excel, & PowerPoint)
MATLAB Fuzzy Logic, Bluebeam, Procore.