

# Vikas Mante

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[Linked In](#)

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Design and Analysis | Budgeting | Schematic Diagrams | Scheduling | Research Skills | AutoCAD | Revit | Sketch Up | Navisworks | Staad-pro | 3dsMax | Estimation | ETABS | Primavera | Troubleshooting

## Construction Management Intern / Estimation Intern

### Education:

- **University of Houston, Houston, TX:** Master in Construction Management | GPA: 3.67 **Anticipated May 2024**
- **VNR Vignana Jyothi Institute of Engineering and Technology, India:** Bachelor in Civil Engineering | GPA: 7.62 **July 2021**

### Training and Certifications:

- OSHA Training under U.S Department of labor guidelines | Climate Change and Environmental Sustainability (CII IGBC)
- Development & applications of Special Concretes (NPTEL Online) | Sketch Up pro-2022 Essential Training | Procore Certification
- Microsoft Project (Canter CADD) | Learning Revit 2023 (LinkedIn) | Quantity takeoffs for BIM (LinkedIn) | Bluebeam Revu 20

### Technical Skills:

- **Analytical Skills:** Planning project strategies, handling unexpected issues, and solving other problems arising in the construction project, estimating the cost, materials, and time to complete the project.
- **Business Skills:** Address budget matters, and coordinate, inspect the construction activities of workers, negotiate on cost matters, and established an effective relationship with staff.
- **Customer Service:** Excellent customer service skills, maintaining direct contact with the owners, inspectors, and the general public. Effective relationships with them helped in generating more business opportunities by ensuring their needs are met.
- **Communication Skills:** Clear communication with construction workers and explain complex information, discuss technical details with other buildings specialists as well.
- **Leadership:** Manage the staff of workers, effectively delegate tasks to construction workers, other managers & sub-contractors, responsible for taking initiative, making effective decisions concerning the needs of project, communicating the same to the workers.

## Work Experience

### Site Engineer | RK info systems Pvt Limited, India

July 2021 - May 2022

- Used to read the plans and manage the workers.
- Managed the site and calculated the materials required/used and needed.

### Site Engineer Trainee | SSC Projects Pvt Limited, India

May 2020 - July 2020

- Provided technical advice and suggestions for improvement on particular projects.
- Worked closely with staff to foster professional values and build good relationships.

## Others

### Academic Projects:

#### Widening of the Embankment Using Reinforced Earth Retaining Wall Using Plaxis Software

- **Aim:** Extended existing 4-lane road with top width of 14m to 6-lane by increasing the top width to 23m using geogrids as soil reinforcement to meet the increased traffic requirement.

#### Traffic Control Measurements at BHEL Hyderabad

- **Aim:** Decrease traffic at crossroads by road widening and introducing new traffic signals.

### Green Concrete:

- **Aim:** Reduce the emission of greenhouse gases in construction by replacing cement by fly ash.

### Paper Publications:

Dec 2021

- Journal Volume 8, "**International Research Journal of Engineering and Technology (IRJET)**": An Experimental Investigation on the widening of embankment under seismic loading.
- Journal Volume 9, "**International Journal of Creative Research Thoughts (IJCRT)**": A study on analysis of building intelligent system projects with the use of construction project management theory.
- Journal Volume 9, "**International Journal of Creative Research Thoughts (IJCRT)**": A study on the design and analysis of the development status of the construction project management system.

### Roles & Responsibilities:

- Member at CEA IGBC Student Chapter at Dept. of Civil Engineering, VNR VJIE.
- Member of Sintillashunz, the Annual cultural fest club of VNR VJIE.
- Volunteer Member at Horizon, Technical Event of Dept. of Civil Engineering, VNR VJIE.
- Volunteer As an Infrastructure Analyst at Convergence, Technical Symposium of VNR VJIE.
- Member at Scintillate, Photographic Club of VNR VJIE.