Rinu Mary Abraham

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Objective

Civil Engineer seeking a full-time position in the construction industry

Education

Master of Engineering, Civil Engineering (2015-2017)
(Construction Engineering and Management)
Texas A&M University
Overall GPA: 3.67/4.00
Passed the Fundamentals of Engineering – Civil exam in April 2017

Bachelor of Engineering, Civil Engineering (2009-2013)
Manipal Institute of Technology, India
Overall GPA: 3.4/4.00

Dissertation

Study of the Design and Execution of Post-Tensioned Prestressed Concrete Box Girders for Railway Bridges. : Design of 15-20 meter span post-tensioned box girders for Railway bridges and on-site execution.

Experience

Graduate Research Assistant, Texas A&M Transportation Institute (Feb 2016 – April 2017)
Texas A&M University

- Assessment and improvements in Quality Assurance and Material Acceptance for Texas Department of Transportation Design Build Projects

Intern, Austin Bridge and Road (May 2016– Aug 2016)

- Estimation for Highway and Bridge projects
- Concrete and Asphalt takeoffs, Excavation and Embankment takeoffs
- Experience with Bluebeam and Agtek software

Civil Engineer, Soma Enterprise Limited (Jan 2015 - Jun 2015)
Kochi Metro Rail Project, INDIA

- Planning and billing engineer
- Experience in client and contractor billing and planning for Overhead metro rail construction and associated works

Civil Engineer, Birla Cellulosic (Jul 2013 – Dec 2014)

- In charge of residential apartment construction
- Contractor billing
- Estimation and design
- Plant Landscaping and Plant Housekeeping

Intern, Associated Structural Consultants (Mar 2013 – May 2013)

- Design for Railway loads
- Design of Post-tensioned and Pre-tensioned box girders and I-girders

Intern, Rail Vikas Nigam Limited (Government of India Undertaking) (Jan 2013 - Mar 2013)

- Deep foundation works (including pile foundations)
- Precast box girder design and construction
- Launching of Railway bridge girders

Intern, Cherian Varkey Construction Co. Pvt Ltd (Jul 2012)
Kochi Metro Rail Project

- Retaining wall construction
- Construction of composite girders
- RCC T-girder construction

Intern, Geofoundations and Structures Pvt Ltd (Jun 2012)
Kochi Metro Rail Project

- Soil testing methods
- Quality control of construction materials

Intern, Cochin Shipyard Ltd. (Jun 2011 – Jul 2011)
Quay Extension works

- Cast-in-situ RCC pile foundations
- Environmental laws and regulations
- Quay construction

Publications

'Innovations in Concrete Technology of High-Rise Buildings', Rinu Mary Abraham and B.S Srinivasa Prabhu, International Conference on Advanced Civil engineering (ICACE-2011), Bhubaneswar, INDIA 17TH-18TH December 2011 **(Best presentation Award)**

Activities

- Big Event 2017 volunteer at Texas A&M University
- Member of Women in Engineering, Institute of Transportation Engineers (ITE) and American Society of Civil Engineers (ASCE) – Texas A&M Chapter
- Organizer (2010-2013) of Literary and Debating Club at Manipal Institute of Technology
- Placement Coordinator (2012-2013) for Civil Engineering batch of 2013 at Manipal Institute of Technology.

Achievements & Awards

- Member of Kiewit 12 First Fridays Women's Leadership Pilot Program (2016-2017)
- Lechner Fellowship from the College of Engineering, Texas A&M University (2015-2016)
- Best Presentation Award for the paper "'Innovations in Concrete Technology of High-Rise Buildings' presented at International Conference on Advanced Civil engineering in 2011 at Bhubaneswar, India.
- AICTE Scholarship (2009-2013) at Manipal Institute of Technology

Additional Skills

- Technical software: Bluebeam, Agtek, ArcGIS, AutoCAD 2010, Revit, StaadPro, SAP ERP, C++, C, Vensim PLE
- Languages known: English, Malayalam, Hindi
- Computer skills: Microsoft Office 2013