

# ROHAN MITTAL

## B.E. (CIVIL)

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### SUMMARY

An enterprising professional with a record of good academics and proficient in prioritizing and completing tasks in a timely manner. Flexible to multi-task when necessary and is attentive to detail and able to work in a fast-paced environment.

### PROFESSIONAL EXPERIENCE

- **Company: WSP Consultants India Pvt. Ltd.**
- Grade: Assistant Engineer
- Period: May 2018- Till Present
- Projects: High Rise Buildings in New York
- Checking of Fabrication/Shop Drawings of Slab, Foundation, Shear Wall etc. using conformed sets of drawings. Checking of Steel connections as per AISC.
- **Company: Larsen & Toubro Hydrocarbon Engineering Ltd.**
- Grade: Senior Engineer, Civil and Structural
- Period: Jul 2016- April 2018
- Project: Barmer Pali Pipeline Project (BPPL), KOC-48" (Kuwait Oil Company).
- Design of RC Buildings (Control Room, Guard House), Boundary Wall with isolated footing and strip footing, Water Retaining Structure Design (Underground Tank), Design of shallow foundations (isolated and combined foundations).
- Design of Pipe Supports (T- Supports) and Platforms.
- Preparation of Design Basis (Civil/ Structural and Architectural).
- Preparation of MR for Geotechnical Report and Observation of Geotechnical Report, which includes Bearing Capacity at varying depths, and Shear Parameters for design of foundations.
- Preparation of Design Documents, Reports and Coordinating with Designers for the preparations of drawing. Coordinating with other departments viz Electrical, Mechanical (HVAC) for inputs required for Design of Buildings, Pipe supports etc.
- Working with Indian Codes (IS 456:2000, IS 800:2007, IS 875, IS 1893:2002) & American Codes (ACI-318).

### INTERNSHIP

### INDU PROJECTS LIMITED,

- Oversaw basic unit operations in design of multi-story residential flats including excavation, levelling, casting of all components, reinforcement detailing, Concreting, Curing, Finishes and Utilities
- Manual design of slab, beam, column, footings and staircase.
- Performed Quality checks in the lab for all the components in the structure and strength analysis.

### ACADEMICS

| Qualification | Institute                         | Board / University | Year | % / CGPA |
|---------------|-----------------------------------|--------------------|------|----------|
| B.E. (Civil)  | Thapar University, Patiala        | Thapar University  | 2016 | 9.30/10  |
| XII           | O.S.D.A.V. Public School, Kaithal | CBSE               | 2011 | 93.4%    |
| X             | O.S.D.A.V. Public School, Kaithal | CBSE               | 2009 | 92.3%    |

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| <b>Achievements</b>                                    | <ul style="list-style-type: none"><li>• Secured first position at district level in XII.</li><li>• GATE Qualified</li></ul>  | 2011<br>2016 |
| <b>Key Modules (B.E.)</b>                              | Structure Analysis and Design, Soil and Foundation Engineering, Transportation Engineering, Steel Structure Design, Strength of Materials, Engineering Mechanics, Architectural Building Drawings, Hydrology, Irrigation Engineering, Surveying, Water Supply Engineering. |              |
| <b>TECHNICAL SKILLS</b>                                |  |              |
| <b>Computer Skills and Software</b>                    | <ul style="list-style-type: none"><li>• C, MS Office, Auto CAD, STAAD-PRO, MAT-3D, Bluebeam Revu, Basics of E-Tabs, RAM Structural Systems.</li></ul>  |              |
| <b>PROJECTS</b>  |  |              |
| <b>Flexible Pavement Design</b>                        | <ul style="list-style-type: none"><li>• Design of flexible pavement using IIT-PAVE software for different pavement materials.</li></ul>  |              |
| <b>Water Distribution</b>                              | <ul style="list-style-type: none"><li>• Design of water distribution system for a colony connecting municipal supply to households.</li></ul>  |              |
| <b>Design of sewerage system</b>                       | <ul style="list-style-type: none"><li>• Design of sewage treatment plant for wastewater treatment.</li><li>• Part of 5-member team to design sewage pipelines and its distribution.</li></ul>  |              |
| <b>Survey Training Camp</b>                            | <ul style="list-style-type: none"><li>• Plotted a reliable topographical map of an area along with contours.</li><li>• Learned the use and operation of Total station and Theodolite.</li></ul>  |              |
| <b>POSITIONS OF RESPONSIBILITY</b>                     |  |              |
| <b>Financial Head, TSCE</b>                            | <ul style="list-style-type: none"><li>• Organized various guest lectures and competitions like bridge design, wind 2012-13 thrust, concrete mix design under Thapar Society of Civil Engineers (TSCE).</li></ul>   |              |
| <b>CO-CURRICULAR &amp; EXTRA CURRICULAR ACTIVITIES</b> |  |              |
| <b>Participations</b>                                  | <ul style="list-style-type: none"><li>• Thaparlympics<br/>2015</li><li>• Wind Thrust Competition, Aranya<br/>2012</li></ul>  |              |
| <b>Interests / Hobbies</b>                             | <ul style="list-style-type: none"><li>• Playing Cricket, Snooker, Trekking, Travelling, Movies and Music.</li></ul>  |              |