

Structural Engineer

RAASIM AHAMED ODUMAN GANI

M. Tech. (Structures)

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CAREER OBJECTIVE

Offering nearly **Two+ years** of experience in providing structural engineering & construction solution in line with BIS (Bureau of Indian Standards) currently seeking for a challenging role as a Structural Engineer with a focus on condition assessment of RCC structures by utilizing my expertise in retrofitting, repair strategy development and analyzing structures. I aim to contribute to the safe and effective execution of projects which will enrich my experience and will help to make a real difference mutually between me and the employer.

PROFESSIONAL EXPERIENCE

Structures India Consultancy, Chennai

Junior Structural Engineer

Duration: 2 Years (June 2021 to July 2023)

Work Profile:

- Utilizing STAAD Pro, engaged in 3D modeling, analysis, and design for a range of residential, commercial and institutional buildings.
- Actively participate in technical meetings and offer necessary clarifications to the client as and when needed, continuing this support until the design is finalized and approved.
- Conduct site inspections prior to roof concreting and other technical activities.
- Coordinate the soil investigation process and procure the necessary report for the design phase.
- Conduct a conditional assessment of aging and distressed existing buildings.

SOFTWARE PROFICIENCY

- STAAD Pro
- AutoCAD
- Microsoft Office
- Photoshop
- Adobe PDF Professional

STRENGTH

- Ability to plan and work systematically
- Punctuality and dedication towards work
- Hard working ability
- Strive towards Excellence
- Adapt to new Surroundings

CO-CURRICULAR ACTIVITIES

- Undergone project-based learning on **COMMON EFFLUENT TREATMENT PLANT** related to industrial wastewater treatment at **SIPCOT**, Perundurai. India.
- Workshop on **INNOVATIVE ERECTION METHODOLOGIES OF STEEL STRUCTURES** conducted by **EVERSENDAL**.
- Experienced a 35 days practical training Internship for a **RESIDENTIAL BUILDING** located at Thanjavur, India.

ACADEMIC PROJECTS

TITLE : Seismic Performance & Retrofitting of a Distressed G+3 RC Institutional Building at Chennai. (M.Tech)

- The institutional building studied was close to 50 years old & was in critical condition.
- A condition assessment was conducted to determine the strength of each structural part and to find which structural needs strength.
- The structure was analysed using STAAD pro software, which revealed that it is secure and suitable for existing seismic zone.
- In that situation, it was advised to fix the structural element, but the structure was also insufficient for impending earthquake zones.
- Therefore, it was recommended to use a retrofitting technique to account for the change in structural dimension and to satisfy the design.

TITLE : Study on Performance of Polymer Modified Ready Mix concrete at Site Condition. (B.Tech)

- The purpose of experimental inquiry was to evaluate the strength and durability properties of polymer modified ready-mix concrete under site conditions.
- More than fifty samples were created and put through various testing in accordance with Indian norms, ASTM, and preceding researchers' suggested criteria.
- A peak performance factor for polymer modified RMC as opposed to control RMC was found during the accelerated corrosion test on mortar and concrete samples.
- It was discovered that the PMC exhibits Ettringite needle formation better than regular concrete using the SEM results.

ACADEMIC PROFILE

Qualification	Specialization	University/Board	Score & Year of Completion
M. Tech	Structural Engineering	BS Abdur Rahman CRESCENT Institute of Science & Technology, Vandalur, Chennai, Tamil Nadu, India.	8.7 CGPA 2023
B. Tech	Civil Engineering	BS Abdur Rahman CRESCENT Institute of Science & Technology, Vandalur, Chennai, Tamil Nadu, India.	8.25 CGPA 2021
H.S.E	--	Central Board of Secondary Education (CBSE)	76% , 2017
S.S.L.C	--	Central Board of Secondary Education (CBSE)	82% , 2015

DECLARATION

I hereby declare that the particulars of information and facts stated herein above are true, correct and complete to the best of my knowledge and belief.

PLACE: Dubai

Raasim Ahamed O.