

TONY M THOMAS

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CAREER OBJECTIVE

Pursue a career in research and academia in the field of structural engineering and participate in research and development projects as an active part of the team to succeed in my career and be a valuable asset to the organization and society.

EDUCATION

- **Mangalam college of engineering, Ettumanoor** – *B. Tech Civil Engineering*
2019 passout with 8.36 CGPA
- **St. Marys HSS Murickassery- HSS**
2015 passout with 87.5 %
- **St. Marys HSS Murickassery - SSLC**
2013 passout with 94%

CONFERENCE

- Paper titled 'WIND RESPONSE ANALYSIS OF TOWER CRANE USING SAP2000' co-authored by me has presented in the international conference on sustainable innovations in civil and mechanical engineering- icsim2019 held on 16th and 17th may 2019 at Mangalam College of Engineering, Ettumanoor, Kottayam, Kerala, India.

PROJECT / SEMINAR

B. Tech Main Project – *Wind Response Analysis of Tower Crane using SAP2000*

This project deals with a finite element wind response simulation of a typical tower crane structure which is very sensitive under lateral loads using SAP2000 and also show that maximal displacements and maximal rotations are really small hence tower crane is safe when the numerical model is subjected to static wind loading using gust factor method.

B. Tech Mini Project – *Hempcrete*

This project deals with the introduction of a greener alternative to cement concrete called hempcrete. This bio composite material is a carbon negative building material.

B. Tech Seminar – *Fatigue of Concrete*

The seminar was based on the topic fatigue failure. In this work I covered topics about physical phenomenon called fatigue, fatigue life estimation using S-N approach and Miner's rule, laboratory tests to estimate fatigue, Fatigue of different types of concretes and two case studies about fatigue failures.

AWARDS AND ACHIEVEMENTS

- Passed GATE 2020 with gate score of 611 and all India rank 3155 in civil engineering.
- Passed Engineering Aptitude Test Conducted by Kerala PSC.
- Achieved online certification on 'Emotional Intelligence' from NPTEL.
- Won prize on event 'Best Civil Engineer' at techno-cultural fest RITU, at RIT, Kottayam.
- Successfully coordinated various events as part of college fest.
- Active participant and event organizer in various programs conducted at College.

PERSONAL SKILLS

- Self-motivated and Optimistic.
- Possess excellent leadership quality.
- Ability to deal with people diplomatically.
- Hardworking and Good team player

HOBBIES & INTERESTS

- Football
- Cricket
- Caroms
- Chess

PERSONAL DETAILS

Father's name : Thomas M. T

Mother's name : Ancy Thomas

DOB : 3rd March 1998

Languages known : English, Malayalam