

## CAREER OBJECTIVE

Seeking a challenging career with a progressive organization that provides an opportunity to capitalize my technical skills and abilities in the fields of Civil Engineering and Project Management

## EDUCATION

- MTECH CIVIL ENGINEERING in Structural engineering – CGPA -8.6  
Vellore Institute of Technology, Vellore, India
- BTECH CIVIL ENGINEERING – CGPA – 7.82  
Amal Jyothi College of Engineering, Kerala, India

## TRAINING (S and R consultants, Kochi, India) □

- Analysis and Design of RC Buildings using ETABS □
- Performed wind, static and dynamic analysis □
- Normal and ductile detailing of various structural elements□
- Design and detailing of Isolated, combined, raft and pile foundations

## PROFESSIONAL EXPERIENCE (Geostructurals Pvt Ltd September 2019-Present) □

- Working on Analysis and Design of commercial and residential buildings using ETABS and STAAD
- Analysis and design of flat slabs with drop panels
- Experienced in designing of long span structures and slabs subjected to heavier loads and floating columns □
- Design RCC super structures and sub structures
- Prepare and present design reports for the concerned projects
- Review drawings prepared by draftsman

## EXPERIENCE OF WORKING (SEPTEMBER 2019-PRESENT)

### SOBHA ATLANTIS – Client: Sobha Developers Ltd - Kochi

Work: Structural analysis, design, detailing, drawings, specifications etc of all structural RCC elements, foundation, shear walls, columns, beams, slabs, retaining walls, machine foundations, pits.etc prepared for Sobha Atlantis G+27.

- Study of Architectural drawing and details shared of proposed new buildings
- Structural planning and computation of loads
- Computer modelling and analysis
- Member design
- Detailing, Drawing and Preparation of schedules

### MAGNA IATROS Client: Dream flower - Edapally

Work: Design and Detailing of commercial building comprises of B+G+12 floors. Foundation details, column and shear wall schedule, beam and slab details of all floors. Software used ETABS, SAFE and AutoCAD.

### SECURA MALL AT KANNUR (LB+UB+G+3) Commercial building

### RECONSTRUCTION OF ERNAKULAM MARKET (B+G+3)

### COMMERCIAL CUM HOTEL BUILDING AT THIRUVALLA (B+G+3)

## ACADEMIC PROJECTS

- Seismic Behaviour of Concrete Elevated Water Tank with Different Bracing System
- Sustainable Approach For Recycling Waste Tyre Rubber To Produce Green Concrete
- Effect Of Partial Replacement Of Cement By Pozzolanic Materials
- Project Based On The Water Purification Using Rambutan Rind
- Bacteria-Based Self-Healing Concrete

## CATHERIN MARIAM SAJU (STRUCTURAL DESIGN ENGINEER)



## CONTACT

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## TECHNICAL SKILLS

- ETABS
- SAFE
- STAAD Pro 2005
- SAP2000
- AutoCAD 2018
- Primavera Project Planner
- Microsoft Office 2013

## PERSONAL DATA

Age : 27

Gender: Female

Nationality: Indian

## LANGUAGES

English

Malayalam

Tamil

## REFERENCES

Er. Varghese A Johns (FIE)

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