

# JEYASAKTHI MUTHU

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## Objective:

To get a challenging job to enhance my working and learning skills through my creativity and technical skills, and to grow with the hi-tech progressive, aspiring environment.

## Work Experience:

- Currently working in Calgary Trading and Contracting, Qatar
- Worked as JUNIOR ENGINEER (STAAD PRO -structural analysis) in Core Metal LLC, Sharjah, Dubai 2019
- Worked as a **STAAD Pro Trainer** with CADCAE India Pvt Ltd., in Dindigul from Apr 2017 to Aug 2017
- Worked as a **JUNIOR ENGINEER (Autocad Draughtsman)** in RAGAVENDRA construction company, Dindigul from Apr 2017 to Aug 2017
- Worked as a **CAD Engineer** with CAD school of Technologies Pvt Ltd., Coimbatore from Jun 2016–Apr 2017 and part time Guest lecturer in Christian polytechnic college, Oddanchatram, Dindigul.

## Roles & Responsibilities:

### • SITE EXPOSURE

1. Performed various cement tests, concrete tests, and soil tests, compressive Strength tests on materials used in construction activities for quality control.
2. Learnt about different Construction activities like surveying, level measurement of steel, cement and aggregate.
3. Learnt about various environmental impacts of thermal power plants.
4. Visual inspection on the surface condition of concrete works in order to identify any damages, such as cracking and delimitation.
5. Day to day basis supervision & inspection of all civil works as per company standards.
6. Reports daily activities to the Project Engineer.
7. Update usage and availability of materials daily to avoid backlogs.
8. Conduct safety meeting regularly.

### • DESIGN EXPERIENCE

1. Analysis configurations of the basic components of a structure
2. Calculate the pressures, stresses and strains that each component, such as a beam or lintel, will experience from other parts of the structure due to human use or environmental pressures such as weather or earthquakes consider the strength of various materials, e.g. timber, concrete, steel and brick, to see how their inclusion may necessitate a change of structural design
3. Liaise with other designers, including architects, to agree on safe designs and their fit with the aesthetic concept of the construction examine structures at risk of collapse and advise how to improve their structural integrity, such as recommending removal or repair of defective parts or rebuilding the entire structure
4. Make drawings, specifications and computer models of structures for building contractors

5. Work with geotechnical engineers to investigate ground conditions and analyse results of soil sample and in situ tests liaise with construction contractors to ensure that newly erected buildings are structurally sound
6. Apply expert knowledge of the forces that act on various structures
7. Use computers and computer-aided design (**CAD**) technology for simulation purposes.
8. Analysis of structural strength of building components and reporting the results of support reactions through **STAAD PRO** to the project senior design engineer.

#### **Professional Certifications:**

- AUTOCAD ( CADCAE PVT Ltd)
- STAAD Pro (BENTELLY)
- C/C++ (NIIT, BOMBAY)
- BRITISH ENGLISH CAMBRIDGE (CAMBRIDGE, LONDON)
- Primavera P6

#### **Technical Environments:**

- Operating System : Windows XP, Windows 7
- Designing Software : AUTOCAD, STAAD PRO, PRIMAVERA, GIS, MS OFFICE.
- Scheduling software : Primavera P6

#### **Academic Project:**

##### **1. TRAFFIC SIGNAL DESIGN (MANUAL)**

Environment : MELAPALAYAM INTERSECTION, TIRUNELVELI

Description : Manual designing of traffic signal using Webster formula.

Role : Data collection of vehicular movements over a week in Melapalayam and correlation of increased vehicle numbers over 10 years and considering the geographical properties of the preferred area, the traffic signal design for Melapalayam intersection.

##### **2. DETAILING LANDUSE AND LANDCOVER USING GIS**

Environment : MELAPALAYAM INTERSECTION, TIRUNELVELI

Description : Investigating the land use and landcover detail change over 25 years and suggesting the usage of land for proper usage and extension of road to avoid accidental problems.

Role : Data collection for the satellite pictures of Melapalayam area for past 25 years with geological changes and updated map creation with **GIS** to describe landcover.

#### **Academic Record**

- Graduation in Engineering - **Bachelor of Civil** in first class with distinction & aggregate of **86%**, Anna University, Chennai, 2016
- **12th** – Science - Mathematics (**93%**), State Board, Tamilnadu, 2012
- **10th** - (**90%**), **CBSE**, Tamilnadu. 2010

#### **Personal Details**

Date of Birth : 10th-Nov-1994

Sex : Female  
Nationality : Indian  
Marital Status : Married  
Languages Known : Tamil, English, Hindi & Malayalam.  
Visa status : Resident visa, Qatar.  
Resident Address : Ezdan village 6,Qatar

**Declaration**

I, **Jeyasakthi**, hereby confirm that the information given above is true to the best of my knowledge.

Signature

**(M.Jeyasakthi)**