

# **JONNA I. GELBOLINGO**

## **CIVIL ENGINEERING**

**Technological Institute of the Philippines (TIP) MLA**

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## **CAREER OBJECTIVE**

To be a self-driven individual where I can learn valuable knowledge and skills to bring out the best of my potentials and develop my personality while being passionate on everything that I do for the benefit of the company.

## **EDUCATION**

Primary: Fiat Lux Academe - General Trias, Cavite  
Batch 2011  
4<sup>th</sup> Honors

Secondary: Fiat Lux Academe - General Trias, Cavite  
Batch 2015  
Salutatorian

Tertiary: Technological Institute of the Philippines - Manila  
Batch 2021  
Bachelor of Science in Civil Engineering

## **INTERNSHIP**

New San Jose Builders Inc. - Victoria de Malate Project  
Site Engineer Intern  
June 2019-September 2019

## **DESIGN PROJECTS COMPLETED/ RESEARCHES**

**"THE EFFECT OF ALKALINE-RESISTANT GLASS FIBERS IN THE COMPRESSIVE AND SPLIT TENSILE STRENGTH OF CONCRETE"** The purpose of this experimental research is to investigate the effects of Alkaline Resistant Glass Fibers in concrete, in terms of compressive and split tensile strength. The use of glass fiber in concrete has been widely used since 1970s. A mixture of Portland cement, sand, gravel, water and glass fiber result in a product called Glass fiber Reinforced Concrete (GFRC). (Technological Institute of the Philippines-Manila S.Y. 2018-2019 Engr. Ariel B. Morales)



### **"THE EFFECTS OF MIXTURE OF VARYING DENSITY TOWARDS BUOYANCY OF WOOD"**

In this study the researchers would like to show how water mixed with a liquid of higher density can affect the buoyancy of the wood. The entire experiment would use glycerin and molasses as the liquid of higher density which will be mixed with distilled water individually. The experiment would use three particular percentage of 10%, 20% and 30% of glycerine and molasses to obtain a particular mixture where each of these fluid mixtures will be composed of five (5) different trials which will be used to determine the effect of a mixture of varying density towards the buoyancy of the wood. (Technological Institute of the Philippines - Manila S.Y. 2018 - 2019 Engr. Gerard Justo)

### **"SOIL CONSISTENCY OF VERTISOL IN SAN ILDEFONSO, BULACAN"**

The purpose of the study is to determine the physical properties of soil in San Ildefonso, Bulacan. (Technological Institute of the Philippines - Manila S.Y. 2018-2019 Engr. Lorenzo Adriano)

### **"PROPOSED 10 KILOMETER RAILROAD DESIGN"**

The project is all about a 10-kilometer railroad design located at Zamboanga Del Sur. (Technological Institute of the Philippines - Manila S.Y. 2018-2019 Engr. Jayson Egenias)

### **11-STOREY GARDEN HOTEL WITH PHOTOVOLTAIC CURTAIN WALLS (REINFORCED CONCRETE AND STEEL DESIGN)**

The design project aims to provide a sustainable and innovative design of a hotel located at Intramuros, Manila that can serve as the homage for the tourists and people that wishes to see the famous Walled City of Intramuros.

## **KNOWLEDGE, SKILLS AND ATTITUDE**

- Analyze complex problems to identify the appropriate for solution.
- Use modern techniques and tools of the computing practice in complex activities.
- Responsible and has an initiative

## **SEMINARS AND TRAINING ATTENDED**

"Super Absorbent Polymers: Properties and Application"

Seminar Hall, Arlegui Campus, TIP Manila

July 27, 2018

"Concrete Forum 3.0"

Dr. Teresita Quirino Hall, Arlegui Campus, TIP Manila

August 30, 2018

## **OTHER SKILLS**

- Good communication skills (Written and Oral)
- Can perform the basic knowledge in STAAD and AutoCad
- Has knowledge to perform Microsoft Excels, Word and Powerpoint Presentations



## REFERENCES

Ricardo De Leon  
Teacher 1  
Governor Ferrer National Highschool  
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Engr. Maureen Paula Siguin  
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