

## RESUME

**SIVAKARTHYGA.P**

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Karnataka-560048.

### **CAREER OBJECTIVE :**

I would like to contribute to the company's growth and prove to be an asset to the organization. To work with full dedication in challenging atmosphere, while adding some significant values to the organization and gain professional skills while working with support of competent peers and guidance leader which will further enhance my career ambition of rising to pinnacle of success.

### **ACADEMIC QUALIFICATION :**

M.E (Structural Engineering) Thiagarajar college of Engineering , Madurai (2019-2021) CGPA – 7.86\*

B.E (Civil Engineering) Kamaraj college of Engineering, Virudhunagar. VTU (2014-2017) CGPA – 6.88

Diploma (Civil Engineering) Government polytechnic college for Women, Madurai. 2014 83.14%

SSLC- *Velliveedhiyar corporation girls higher secondary School, Madurai. 2011 87.6%*

### **TECHNICAL SKILLS:**

- Ability to create and manage project budget and schedules and provide regular status updates to
- Senior Leadership.
- Good knowledge to develop designs and provide structural engineer support for new builds and remodels.
- Good problem solving skills.
- Excellent communication and technical writing skills.
- Ability to lead and collaborate in a team environment.

### **SOFTWARE SKILLS:**

ANSYS, ABAQUS, ETABS , Auto CADD - Auto CADD Civil 3D - , STAADPro , Microsoft Office, Desktop Publishing,

### **ACADEMIC PROJECTS:**

### **MINI PROJECT (M.E):**

The title of the project “**Behavior of offshore platforms and its load effects**”: Study the basics of offshore platforms, types, load in offshore platforms & the failures occur in the platform.

#### **PHASE 1:**

The title of the project “**Numerical study of high strength lightweight aggregate concrete in structural applications**”: To propose the high strength structural precast light-weight concrete as a roofing for the present building then to allow a special configuration. Alternate the traditional roof truss to the trapezoidal box beam. To style the roof and notice the restrictions.

Analysis the beam in ABAQUS software with suitable parameters.

#### **PHASE 2:**

The title of the project “**Experimental and analytical investigation on slag-phosphate based GeoPolymer concrete incorporated with copper slag**” : Performing experimental tests and developing analytical model in Ansys. Comparing the results of both experimental and analytical models.

### **MINI PROJECT (B.E):**

The title of the project is “**Removal of lead using modified prosopis juliflora with ZnCl<sub>2</sub>**”- Got a price reward of amount (Rs.10k ) for government proposal: Removal of lead content in waste water and reuse the water into gardening purposes, Thermal and chemical modification on prosopis juliflora for lead removal.

### **PROJECT DIPLOMA :**

The title of the project is “**Design and Analysis of Commercial building**”: Prepare the plan in manual drawing, Design the structural elements, preparing a Bar bending schedule

### **INTERNSHIP:**

B.E : Internship program at “RAIL NET SOFTWARE SOLUTIONS (Recognized by DOE, Government of india) Duration : 7days

### **Key takeaway for me by myself:**

Learned about the automated digital sensors that are working in 140 ton hydro – Mechanic crane.

Knowing the newly discovered of microwave transmitter used for wireless communication for rail movement.

Technical visit for OFC transmission centre, digital exchange and train route relay cabin.

**CERTIFICATION COURSE :**

“2013 participated in National Design Competition conducted by CADD centre.(2 months course).

“A Scheme for implementation of National water ways” - 2 Days lecture series organized by department of civil engineering in K.L.N Memorial polytechnic college , Madurai.

“Foundation of computation fluid dynamics” by NPTEL Online certification course(20 hour course).

Participated in Workshop “Urbanization & infrastructure development” organized by department of civil engineering, Coimbatore Institute of technology, Coimbatore. 2015.

Presented a paper “Removal of lead using modified prosopis juliflora with Zncl<sub>2</sub>” in one day conference on “Research Innovation in Materials, Construction Techniques and sustainable Development RIMTSD-2017 organized by Department of civil engineering , kalasalingam university .

Presented a paper “ Thermal and chemical modification on prosopis juliflora for lead removal” at National conference ‘NCCRCP-2017’ organized by the Department of civil engineering, KCET, Madurai. (2 days).

TANCET EXAM Qualified

**EXPERIENCE:**

1.5 years exp as a lecture in SBM Polytechnic College, Dindugu (31<sup>st</sup> july 2017 - 15<sup>th</sup> feb 2019).

**PERSONAL DETAILS :**

Date of Birth : 11th july 1996

Marital Status : Married

Language Proficiency : English, Tamil.

Nationality : Indian

Hobbies : Reading novels, Watching animation movies.

**DECLARATION:**

All the information in the resume is true to my knowledge.

Place : Bangalore

Date :

**SIGNATURE**

(Sivakarthyga.P)