

## CURRICULUM VITAE

**D.SAKTHIVEL**  
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### OBJECTIVE

To develop a career as a human resource professional for a progressive company, which gives me an opportunity to make an immediate contribution, utilizing my people-oriented skills to develop and promote a positive work environment.

### WORKING EXPERIENCE

Name of the Organization : A.R. Engineering College, Villupuram.  
Period : 12July 2012 to 14 July 2018 (six years)  
Designation : Assistant Professor.

As I teach the following subjects to undergraduate students, Fluid Mechanics, Kinematics of Machinery, Manufacturing Technology, Finite Element Analysis, Design of machine element, and Advanced IC Engines.

### ADDITIONAL RESPONSIBILITIES

1. Assistant placement officer and coordinator for mechanical dept.
2. Worked under AICTE Team.
3. Cultural and sports coordinator.

### CONFERENCES ATTENDED:

1. Faculty development program on "FINITE ELEMENT METHOD"  
Pondicherry engineering College .

### ACHIEVEMENTS

1. I produced 100% Result in the computer integrated manufacturing.
2. I produced 100% Result in the fluid mechanics and machinery.

### WORKING EXPERIENCE

**Organization :**

- Designation : **Site Engineer**
- Concern : **Surya Electromech**
- Department : **Mechanical**
- Period : **Dec 2018 to Till Date**

## ACADEMICS

Course / Degree	Institution	Board / University	Year of Passing	Percentage CGPA
M.E [Engineering Design]	Anna University of Technology Madurai.	Anna University	June 2012	8.6 CGPA
B.E [Mechanical]	I.F.E.T College of Engineering Villupuram.	Anna University	May 2010	68%
DAE	Sri Venkatachalapathy Polytechnic College. Villupuram	DOTTE	April 2007	74%
SSLC	Tamil Nadu State Board	State board	April 2003	64%

## PROJECTS

### M.E.PROJECT:

#### Finite Element Analysis of Kolkata Metro Coach Bogie Frame

##### Description :

The Objective of the current project is to reduce the weight of the kolkata metro coach bogie frame. Modeling of a Bogie frame is done by using CATIAV5R20 Software Package and analysis of Bogie frame is performed by using ANSYS workbench software. From the Finite element analysis results the necessary modifications like reducing the thickness of plates on which stress concentration is less, and increasing the contact area of plates on which stress concentration is more. Thus the design have been proposed in order to reduce the weight as well as cost of the bogie frame assembly.

### B.E.PROJECT :

#### Flow Analysis of Methanol over an Anode Plate.

##### Description :

The Objective of the current project is to obtain the data for liquid flow through plates. The Liquid used is hydrogen or Methanol as media flow pressure drop and flow rate data are used as raw data to evaluate the friction factors in the plate. Transition occurs at lower Reynolds number ( $Re < 1200$ ) transition range lies in the range  $1200 < Re < 2500$ . Temperature data are used to evaluate the Nusselt number with Hydrogen flow.

## **SOFTWARE SKILLS**

- AutoCAD
- ANSYS
- CATIA

## **PERSONAL STRENGTHS**

- Ability to work hard.
- Enjoy to work as a Team player.
- Talking to everyone actively.
- Positive attitude, Creative thinking, Good Listener and Quick Learner
- Self-Motivating and Confident.

## **PERSONAL PROFILE**

Date of Birth : 23<sup>rd</sup> May, 1988  
Father's name : Mr. E.Dharuman  
Occupation : former  
Mother's name : D.Rani  
Occupation : Home Keeper  
Mother tongue : Tamil  
Nationality : Indian

## **DECLARATION**

I declare that the details furnished above are to the best of my knowledge.

Place :

Date : (D.Sakthivel)