

## BIO-DATA

**G.SORNALATHA**

E-mail: [sornaprakash.2009@gmail.com](mailto:sornaprakash.2009@gmail.com)

Mobile No: +91-7730935780,+91-95159422554



---

*"To work in association with professional groups who offer me the opportunity for career advancement and professional growth."*

### **ACADEMIC AND PROFESSIONAL DESCRIPTION BY** **MS SORNALATHA B.E(MECH.) M.TECH(I.T) M.E(MECH.)**

In 36. born in Tamilnadu; schooling from Govt.Girls.Hr.Secondary school, Kovilpatti and graduated from M.K. University, Madurai with distinction in Mechanical Engineering and post graduated from M.S University, Tirunelveli in computer and Information Technology with distinction and from Anna University, Chennai in Manufacturing Engineering . Have a Total of experience of 7 years. Guided about 30 B.E students and 5 M.E students. Guided and presented 5 Research articles in National level conference. Published 2 Research papers in International level journals in Mechanical Engineering. Authoring a text book in problem solving in Engineering Graphics. Capable of handling any subject in mechanical Engineering.

# BIO-DATA

## **I.EDUCATIONAL**

- ❖ B.E (MECHANICAL ENGINEERING) PASSED OUT WITH DISTINCTION
- ❖ M.Tech (COMPUTER AND INFORMATION TECHNOLOGY) PASSED OUT WITH DISTINCTION
- ❖ M.E (MANUFACTURING ENGINEERING) FROM ANNA UNIVERSITY WITH FIRST CLASS

## **II.TEACHING AND RESEARCH**

- ❖ SERVING IN THE FIELD OF TEACHING FOR THE LAST 7 YEARS.(2004-2015)
- ❖ GUIDED A TOTAL OF 35 RESEARCH PAPERS FOR B.E AND M.E STUDENTS
- ❖ GUIDED AND PRESENTED 5 PAPETS IN NATIONAL LEVEL CONFERENCE

## **III.RESEARCH PUBLICATIONS**

- ❖ PUBLISHED 2 RESEARCH PAPERS IN INTERNATIONAL LEVEL JOURNALS

## **IV.ADMINISTRATIVE**

- ❖ INSTRUMENTAL IN MEETING AICTE INSPECTIONS
- ❖ TAKEN ACTIVE PART IN OBTAINING NBA FOR THE DEPARTMENT OF MECHANICAL ENGINEERING IN THE INSTITUTE LAST WORKED
- ❖ CO-ORDINATOR TO OBTAIN ISO 9001:2001

# BIO-DATA

## ***V. SUBJECTS HANDLED SPECIALITY WISE***

IN THE AREAS OF

1. MECHANICAL ENGINEERING
2. COMPUTER AND INFORMATION TECHNOLOGY

# BIO-DATA

## PERSONAL DETAILS

**Name** : G. Sornalatha

**Father's Name** : Shri. G.Gurusamy

**Age & Date of birth** : 36 Years, 14.05.1981

**Permanent Address** : 854/6, E.B Colony, Rajiv Nagar,  
Kovilpatti - 628 501.  
Tamil Nadu, India.

**Address for communication** : **C/O. G. Ganesa shanmuga sundaram**  
**77-79 poosari mariyappan street**  
**Ramanathapuram**  
**Coimbatore -45**

**Marital Status** : Married and Blessed with two children

**Languages to Speak** : Tamil, English, Hindi and Telugu

**Languages to Write** : Tamil and English

**Nationality** : Indian

# BIO-DATA

## EDUCATIONAL QUALIFICATIONS

<i>Name of Exam</i>	<i>Year of passing</i>	<i>Board / College/ University</i>	<i>Specialisation/ Subjects</i>	<i>% Marks / Grade</i>
<b>SSC / 10<sup>th</sup></b>	<b>1996</b>	Tamil Nadu State Board	Maths & Science	<b>78</b> (FWD)
<b>HSC / 12<sup>th</sup></b>	<b>1998</b>	Tamil Nadu State Board	Maths & Science	84.17 (FWD)
<b>B.E</b>	<b>2002</b>	Arulmigu Kalasalingam College of Engineering, M.K University, Madurai	Mechanical Engineering	<b>77.79</b> (FWD) (Best out going student)
<b>M.TECH</b>	<b>2009</b>	M.S University, Tiruneivali	Computer and Information Technology	<b>81.94</b> (FWD) (Best out going student)
<b>M.E</b>	<b>2015</b>	Anna University Chennai	Manufacturing Engineering	<b>8.2/10</b> (I Class)

## BIO-DATA

<i>Year</i>		<i>Organisation</i>	<i>Designation</i>	<i>Duration</i>	
		<i>Job responsibilities</i>			
<b>2004 – 2007</b>	SCAD College of Engineering and Technology, Tirunelveli, Tamilnadu.	Lecturer in mechanical engineering		<b>3 years &amp; 4months</b>	Teaching
<b>2009-2013</b>	SCAD College of Engineering and Technology, Tirunelveli, Tamilnadu.	Asst .Professor in mechanical engineering		<b>4 years &amp; 4 months</b>	Teaching
<b>2015-2016</b>	Vivekananda group of institutions	Asst. Professor in mechanical engineering		<b>1 years 4months</b>	Teaching
<b>2016-2019</b>	Brilliant grammar school educational society's group of institutions(Faculty of engineering & Pharmacy)-BRIG	Asst .Professor in mechanical engineering		<b>2 years 2months</b>	Teaching
<b>Total</b>				<b>11 yrs and 2months</b>	

## TEACHING EXPERIENCE

# BIO-DATA

## PROJECT/ THESIS EXECUTED

### UNDER GRADUATION

**B.E** “OPTIMIZING THE LAYOUT OF SPRING SHOP”

### POST GRADUATE DISSERTATION

**M.TECH** “FACE DETECTION IN STILL IMAGE USING  
EDGE DETECTION METHODS “

**M.E** “EXPERIMENTAL INVESTIGATION AND  
MULTIOBJECTIVE OPTIMIZATION OF WIRE  
ELECTRICAL DISCHARGE MACHINING  
(WEDM) OF ALUMINUM-5083 ALLOY”

## PAPER PRESENTATION

### PAPERS PRESENTED IN NATIONAL CONFERENCE:

- ❖ “Literature Survey On Adaptive Watermarking using Visual Perception Model for Image Annotation”
- ❖ “Adaptive Watermarking using Visual Perception Model for Image Annotation”
- ❖ “Face detection in still images using edge detection”
- ❖ “Congestion Management using variable structure congestion Control Protocol”
- ❖ “Key Management system for data reporting in wireless sensor network”

## PAPER PUBLICATIONS

- [1] **G.Selvakumar, G.Sornalatha, S.Sarkar, S.Mitra (2014), “Experimental investigation and multi-objective optimization of wire electrical discharge machining (WEDM) of aluminum-5083 alloy” , Transactions of Nonferrous metals society of china, Elsevier, Vol 24, pp.373-379.(DOI: 10.1016/S1003-6326(14)63071-5; ISSN: 1003-6326; Listed in scopus &SCI-Expanded; IF=1.178**
- [2] **G.Selvakumar, G.Sornalatha, S.Sarkar, S.Mitra(2013), “Multi- response optimization of WEDM parameters on Aluminum 5083 alloy using Taguchi Based Grey analysis”, Journal of machining and forming Technologies (JMFT), Nova science publishers,Inc. USA, Vol.5, Issue 1-2, Pp.89-96.(ISSN: 1947-4369)**

## PROFESSIONAL AND TECHNICAL PARTICIPATION AND WORKSHOP ATTENDED:

- ❖ **Participated in one day workshop on network simulation tools, department of CSE, SCAD college of engineering and technology (2009).**
- ❖ **Recipient of post graduate diploma in computer application from IICT, Chennai, 2002-2003 with “A” grade.**
- ❖ **Participated in a 5 days workshop on digital prototyping by ICT academy of Tamilnadu Feb.2013.**
- ❖ **Recipient of certificate of recognition held at SCAD, INDIA on completion of 3 days training on psychology of vision(awakening to our power-2010).**



# BIO-DATA

## PROJECTS GUIDED PG LEVEL

- 1) Evaluation of mechanical properties of proxy polymer reinforced with natural fibres-composites
- 2) Honey comb composites material-composites materials
- 3) Banyan reinforced polymer-composites
- 4) Mechanical Response Of zinc-Aluminium alloy reinforced with silicon carbide particulate composites by varying percentage composition.
- 5) Impact of Percentage reinforcement on mechanical behaviors of Aluminium-SiC-Rutile metal matrix composite

## **SUBJECTS HANDLED {UG AND PG LEVEL}**

(FOR THE STUDENTS OF ANNA AND M.S UNIVERSITIES,TAMILNADU)

IN THE AREAS OF

### **1.MECHANICAL ENGINEERING**

ENGINEERING GRAPHICS (THEORY & LAB) -2002

BASIC CIVIL AND MECHANICAL ENGINEERING (THEORY & LAB) -2002

MANUFACTURING TECHNOLOGY-I (THEORY & LAB) -2002

MANUFACTURING TECHNOLOGY-II (THEORY & LAB) -2002

POWER PLANT ENGINEERING (THEORY ) -2002

MAINTENANCE ENGINEERING (THEORY ) -2002

ENVIRONMENTAL SCIENCE AND ENGINEERING (THEORY ) -2002

UNCONVENTIONAL MACHINING PROCESS (THEORY ) -2002

## **BIO-DATA**

**STRENGTH OF MATERIALS (THEORY & LAB) -2002**

**OPERATION RESEARCH (THEORY ) -2002**

**ENGINEERING PRACTICES LAB**

**COMPUTER AIDED DRAFTING AND MODELING LAB**

### ***2.COMPUTER AND INFORMATION TECHNOLOGY***

**DIGITAL PRINCIPLES & SYSTEM DESIGN (THEORY & LAB) -2009**

**GRAPHICS & MULTIMEDIA (THEORY & LAB) -2009**

**COMPUTER ARCHITECTURE (THEORY & LAB) -2009**

**CRYPTOGRAPHY AND NETWORK SECURITY (THEORY & LAB) -2009**

**OOAD (THEORY & LAB) -2010**

**COMPUTER NETWORKS (THEORY & LAB) -2010**

### **DECLARATION**

I hereby declare that all the statements made in this Bio-data are true and correct to the best of my conscience and belief.

Place: Coimbatore

Yours sincerely

Date:

# BIO-DATA

## REFERENCES

1. **Dr.G.Selvakumar**  
Associate Professor  
Department of Mechanical Engineering  
SSN college of Engineering  
Kalavakkam,Chennai- 603110  
Kancheepuram Dist. Tamilnadu, India.
2. **Dr.Antany vasantha kumar**  
Associate Professor  
Department of Mechanical Engineering  
SCAD college of Engineering and Technology  
Cheranmahadevi-627 414  
Tirunelveli Dist, Tamilnadu, India.