

# V.SINDHUJA

Email id: [sindhujasastra@gmail.com](mailto:sindhujasastra@gmail.com)

Mobile No: +91-9789270456  
+1 -571-266-2867

SASTRA University,  
Thanjavur, 613401.

## Career Objective

To be a technocrat in a leading organization to enrich my technical skills and contribute the best as a team member, that respects my hard work and ensures a consistent growth.

## Academic Chronicle

Name Of The Course	Board / University	Institution	Year of passing	% MARKS / CGPA
B.TECH EEE	Sastra University	Shanmugha Arts, Science, Technology & Research Academy, Thanjavur.	2012	9.4555 (CGPA-Up to 7th semester)
HSC	Matriculation	Jawahar Matric Higher Secondary School, Neyveli.	2008	92.83
SSLC	Matriculation	Jawahar Matric Higher Secondary School, Neyveli.	2006	88.63

## Area of Interest

- Microprocessors & Microcontrollers.
- Digital Electronics.
- Electronic Circuits.

## Hardware Skills

- Tools : Kiel, Matlab, PSPICE ,E-TAP.

## Software Proficiency

- Languages : C, C++, Verilog, HTML .

## Projects

Project -1	
Title	Modeling of Power Delivery Network in 3D-IC's & Suppression of Simultaneous Switching Noise.
Team Size	1 Member
Venue	Georgia Institute of Technology
Duration	Ongoing

<b>Project -2</b>	
Title	<b>Analysis of faulty Transformers and identification of type of fault.</b>
Team Size	3 Members
Venue	SASTRA University
Duration	Ongoing

**Description:**

The reason for the failure of more than 50% of transformers used in industries and power plants remains unpredictable, we use

- **POLARISATION AND DEPolarisation CURRENT MEASUREMENT TECHNIQUE**
- **DYNAMIC ANALYSIS**
- **SWEEP FREQUENCY ANALYSIS TECHNIQUE**

to predict the reason for the faults and to find an economical way to rectify the same.

<b>Mini Project</b>	
Title	<b>Transformer Sizing and Cable Sizing</b>
Team size	2 members
Venue	L&T ECC Division – Chennai
Duration	15 days

**Description**

- Transformer sizing and cable sizing plays a vital role in power plant design.
- Various kinds of loads on the power system are listed and a feeder list is prepared.
- Based on the loads, circuit partitioning and transformer sizing is done.
- Cable sizing involves the economic way of selecting an appropriate cable size based on the distance between the motor control center (MCC) and the load.

**Trainings**

- In Plant training at Neyveli Lignite Corporation [NLC], Neyveli.
- In Plant training at Integral Coach Factory [ICF], Chennai.
- In Plant training at Ennore Thermal Power Station [ETPS], Chennai.

## Workshops

- Attended a workshop on AUTOMOTIVE DESIGN and ENGINE DESIGN conducted by IEEE TECHSYM, IIT KHARAGPUR.
- Attended a workshop on IMAGE PROCESSING ROBOTICS.
- Attended a workshop on ANIMATRONICS.

## Certificate Courses

- Completed a course on WEB DESIGNING in Sastra University.
- Completed a course on Diploma in Computer Application in CSC.
- Completed a course on MICROSOFT LITERACY.

## Academic Achievements

- Got selected to undergo Research Internship in Georgia Institute of Technology in USA
- Ranked first in overall EEE department in last two semesters.
- Awarded as a dean's lister twice in Sastra University.
- Won first rank in my department in measurements and instrumentation paper.

## Extra-Curricular Activities

- Won prizes in several musical events.
- Won prizes in district level Hockey.
- Participated and won prizes in school cultural programs.
- Participated in ISHA YOGA musical event.

## Personal Profile

Date of Birth : 27.08.1990.  
Nationality : Indian.  
Father Name : Mr. R.Viswanathan [Late].  
Mother Name : Mrs.R.Nagalakshmi.  
Permanent address : 22/13, Post office road, Sri Guruji complex, Ghajalakshmi Nilayam,  
Vadalur, Cuddalore district, Tamil Nadu, Pin code-607303.

## Reference

Mr.R.RAJESH Mtech in MBA, PhD,  
ASSISTANT PROFESSOR (III)  
School of EEE  
EEE Department  
SASTRA UNIVERSITY  
rajesh\_eee@eee.sastra.edu  
[rajesh@gmail.com](mailto:rajesh@gmail.com)  
9486091369

Mr.S.NATARAJAN Mtech in CSE  
ASSISTANT PROFESSOR (II)  
School of EEE  
EEE Department  
SASTRA UNIVERSITY  
natarajan@eee.sastra.edu  
9790263702