

**Dr. SURESH. T**

**Phone: 8825747735**

**E-mail: sureshphd93@gmail.com**

Looking for a challenging and responsible opportunity, explore strengths and potentials in a professional organization to meet employer's expectation.

**EXPERIENCE SUMMARY**

- ✂ Working as **Assistant Professor** in New Prince Shri Bhavani College of Engineering and Technology, Chennai- 600073 from october 1<sup>st</sup>, 2023, to Till Date.
- ✂ Worked as Post-Doctoral Fellow (**PDF**) in Sri Sivasubramaniya Nadar (SSN) College of Engineering, Chennai-603110 from October 11<sup>th</sup>, 2022, to 30<sup>th</sup> September. **[1 Year]**
- ✂ Worked as **Senior Research Fellow (SRF)** in Sri Sivasubramaniya Nadar (SSN) College of Engineering, Chennai-603110 from November 1<sup>st</sup>, 2021, to October 10<sup>th</sup>, 2022. **[11 Months 10 days]**
- ✂ Worked as **Junior Research fellow (JRF)** in Sri Sivasubramaniya Nadar College of Engineering, Chennai-603110 from December 4<sup>th</sup>, 2020, to October 31<sup>st</sup>, 2021. **[10 months 28 days]**
- ✂ Worked as **Assistant Professor** in New Prince Shri Bhavani College of Engineering and Technology, Chennai- 600073 from December 12<sup>th</sup>, 2011, to May 31<sup>st</sup>, 2020. **[8 years 5 months 20 days]**
- ✂ Worked as **Lecturer** in Sri Balaji Polytechnic College Chennai- 600048 from 14.7.2009 to 30.10.2011. **[ 2 years 3 months 17 days]**

**QUALIFICATION SUMMARY**

**EDUCATIONAL DETAILS**

<b>CLASS/COURSE</b>	<b>NAME OF INSTITUTION</b>	<b>BOARD/UNIVERSITY</b>	<b>MONTH &amp; YEAR OF PASSING</b>	<b>MARKS (%)</b>
<b>Ph.D. (Full Time)</b>	Sri Sivasubramaniya Nadar (SSN) College of Engineering, Chennai-603110	ANNA UNIVERSITY	June 2022	Completed
<b>M.Tech. Computer Aided Design</b>	SRM UNIVERSITY, Kattankulathur 603203	SRM University	2013	71 (First class)
<b>B.E. Mechanical Engineering</b>	Sri Ramanujar Engineering College, Vandalur 600049	Anna University	2009	76 (Distinction)
<b>DME</b>	P.T.Lee Chengalvaraya naicker Polytechnic Institute, Vepery- 600007	DOTTE	2006	85 (Honors)
<b>S.S.L.C.</b>	Jai Gopal Garodia National Hr.Sec.School, Tambaram- 600059	State Board	2003	87.5 (First class)

## HANDLED ROLES

- Have strong communication skills both verbally and written.
- Have Strong numeracy skill.
- Handled problematic subjects with good results.
- Also handled computer-based subjects with clarity.
- As a class advisor and encouraged the students towards the betterment.
- As a volunteer for the college activities and held students to make the right choice.
- Been a part of the college organizing committee.
- Can do repetitive and mundane administrative tasks.
- Highly efficient in the use of Microsoft outlook, excel and word.

## PUBLICATIONS

1. **Suresh, T**, Jayakumar, K, Selvakumar, G & Ram Prakash, S 2021, „Comparative Machining characteristics studies on SS 304 Using coated and uncoated brass wire through wire EDM“, Metallurgia Italiana, vol. 5, pp. 32-42, **Impact Factor: 0.546**.
2. **Suresh, T**, Jayakumar, K, Selvakumar, G & Ram Prakash, S 2022, „Experimental investigation on improvement of machinability of SS 304 through Multipass cutting in WEDM“, Arabian journal for Science and Engineering, **Impact Factor: 2.334**.
3. **Suresh, T**, Jayakumar, K 2022 “Effect of wire materials on performance during WEDM of SS304”, Materials Today: proceedings, vol. 62 (2), pp. 606-610, **Scopus indexed**.
4. **Suresh, T**, P.Aruneash, S.Gunasekar, B.Janakiraman Comparison of Brass and Zinc Coated Wire Electrode Using Wire Cut EDM Concerning MRR of Machining SS304, International Journal of Innovative Research in Science, Engineering and Technology, Vol. 6 (3), pp. 4970-4976.
5. S. Senthur Vaishnavan, K. Jayakumar, P. Naveen Kumar, **T.Suresh**, 2022, ‘Effect of ER5183 filler rod on the metallurgical and mechanical properties of TIG welded AA5083 and AA5754 aluminium alloys“, Materials Today: proceedings, Vol. 72 (4), pp. 2251-2254, **Scopus indexed**.
6. **Suresh, T**, Jayakumar, K, Lal Mohammed Khan P & S Senthur Vaishnavan **2024**, ‘Experimental investigation of 3D taper profile machining of SS304 using WEDM“, Journal of the Chinese Institute of Engineers, Vol. 47 (2) Impact Factor: 2.334
7. Jayakumar, K, **Suresh. T**, S. Senthur Vaishnavan &M.Rajesh 2024 “The 3D Taper Profile Machining of Superalloys and Composites Using WEDM: A Review“, Enginnering proceedia, vol. 61 (1), pp. 606-610, **Scopus indexed**

## BOOKS PUBLISHED

**Manufacturing Technology – II: SAMS PUBLISHERS** Authors- A. MADHANKUMAR & **T. SURESH**,  
**ISBN: 9789387748095** (1<sup>ST</sup> Edition 2018)

## PROJECT

### DST PROJECT APPLIED ON 19<sup>TH</sup> MARCH 2023:

**TITLE;** Hybrid unconventional machining of conductive and nonconductive materials, Date: 19-3-2023  
File Number: CRG/2023/007222, Total Cost (INR) : 38,18,144/.

PI: Dr. K. Jayakumar, CO-PI: Dr. G. Selvakumar, **Dr. T. Suresh**, DST-CRG-Core research grant

## SUBJECTS HANDLED

- Design of machine Elements
- Design of transmission systems
- Engineering economics
- Kinematics of Machinery
- Thermal Engineering
- Finite Element Analysis
- Strength Of Materials
- Process Planning and Cost Estimation

- Maintenance Engineering
- Engineering Graphics

### **ACHIEVEMENTS**

- Best teachers award in the year 2016 LIONS CLUB on SEPTEMBER 5<sup>TH</sup>
- 100% Results produced in the subject of Engineering graphics on DECEMBER 2014
- 100% Results produced in the subject of Basics civil and mechanical engineering on APRIL 2014
- NAAC DEPARTMENT COORDINATOR in the year 2017

### **SEMINARS / CONFERENCE ATTENDED**

- Attended FDP program on research methodology @ VIT University, Chennai
- NCRTME 16 Conference. Chennai-73 on 20<sup>th</sup> August 2016
- Organized symposium (ROYAL MECHONZ) and workshop (MECHIOR AIME) on 2018 September and 2019 August.
- Attended second international conference on engineering materials, metallurgy and manufacturing ICEMMM 21 - SSN College of Engineering, Chennai on Dec 16 & 17, 2021.
- Participated in "Modern Trends in Manufacturing Engineering" organized by the Department of Mechanical Engineering, SSN College of Engineering, Chennai on 30-9-2021.
- Participated in "International Conf. on Processing and Performance of Materials (ICPPM-23) organized by the Department of Mechanical Engineering, SSN College of Engineering, Chennai on 02<sup>nd</sup> and 3<sup>rd</sup> March 2023.

### **TECHNICAL KNOWLEDGE**

- C language
- AutoCAD
- SolidWorks

### **PERSONNEL INFORMATION**

Father's name : Mr. V.Thirupal  
Date of Birth : 31/05/1987  
Gender : Male  
Nationality : Indian  
Languages Known : English ,Tamil, Telugu (only speak)  
Marital Status : UnMarried  
Permanent Address : No.21a, Balu Avenue, Chitlapakkam, Chennai-64

### **DECLARATION**

I assure that the information furnished above is true and correct to the best of my knowledge and belief.

**Place** : Chennai

**Signature**

**Date** :

**SURESH T**