

# RESUME

## **S.R.VENKATARAMAN**

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### **About Myself:**

- Presently working as Associate professor (Department of Mechanical Engineering) in **S.A Engineering College, Chennai-77**.
- I have vast teaching and Industrial experience in various reputed organizations. I have the adaptability and can shoulder any new responsibilities entrusted to me and will ably discharge my duties to the fullest satisfaction of my superiors.

### **My Objective:**

- To pursue a challenging career in an organization that gives me scope to enhance my skills and knowledge and to be a team player that works towards the growth of the organization.

### **Educational Qualification:**

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks/Grade obtained	Class obtained
PG	M.E	Computer Integrated Manufacturing	2004	College of Engineering, Guindy	Anna University	7.5 CGPA	First Class
UG	B.E	Mechanical Engineering	1988	Shanmugha College of Engineering	Barathidasan University	74%	First Class
SCHOOL	HSC	--	1983	S.M Hindu Higher Sec. School	Board of Higher Secondary Education, Tamilnadu.	76%	--
SCHOOL	SSLC	--	1981	S.M Hindu Higher Sec. School	Board of Secondary Education, Tamilnadu.	83%	--

**Project works undertaken:**

**UG:** Design and Fabrication of Rural Ambulance-VERAS 88

**PG:** Mechanical property characterization of cryogenic treated LM-13 Aluminium alloys

**EXPERIENCE:****Teaching:**

Name of the College	Designation	From	To	Experience	
				Years	Months
S.A Engineering College, Chennai	Associate Professor	August 2013	Till Date	10	9
S.A Engineering College, Chennai	Assistant Professor (Sr.Gr.)	August 2011	July 2013	2	-
S.A Engineering College, Chennai	Assistant Professor	July 2006	July 2011	5	-
S.A Engineering College, Chennai	Sr.Lecturer	June 2004	June 2006	2	-
Rajalakshmi Engg. College, Chennai	Lecturer	Oct. 2000	May 2004	3	6
Sri Muthukumaran Institute of Technology, Chennai	Lecturer	July 1998	June 2000	2	
Total				25	3

**Industrial:**

Name of the Organization	Designation	Nature of Work	Joining Date	Relieving Date	Experience	
					Years	Months
Cethar Vessels Ltd., Trichy	Senior Engineer	Erection and commissioning of FBC boilers	Sep. 1991	Sep. 1997	6	-
LGB Engg. Works Ltd, Karur.	Production Engineer	Vendor follow up	Aug 1990	Dec 1990	-	6
Power Engg. Company, Tirupur	Supervisor	Production and Quality control	Jan 1989	Dec 1989	1	-
Total					7	6

## Subjects Handled:

S.No	Subjects Handled
1.	Engineering Graphics
2.	Basic Civil & Mechanical Engineering
3	Engineering Mechanics
4	Mechatronics
5	Robotics
6	Design of Machine Elements
7	Dynamics of machinery
8	Kinematics of machinery
9	Engineering materials and metallurgy
10	Unconventional machining processes
11	Non destructive testing of materials
12	Design of Jigs, Fixtures and Press tools
13	Measurements and controls
14	Additive Manufacturing
15	Pant layout and material handling
16	Universal Human Values

Laboratories Handled
1. Engineering Practices Lab
2. Manufacturing Technology lab-I
3. Manufacturing Technology lab-II
4. Metrology and measurements lab
5. Dynamics lab
6. Project Viva-voce (UG and PG)

## Roles and Responsibilities:

- IQAC coordinator for the department (ISO, NBA, NAAC, Autonomous)
- BOS member
- DAC/PAC member
- Lab coordinator
- Project guidance for students
- Administrative works
- Mentoring

**FDP/workshops attended:**

<b>S.No</b>	<b>Name of training program</b>	<b>Duration</b>	<b>Conducted by</b>
1	Industrial Mechatronics	04-08 Sept 23	Satyabama Institute of Science and Technology
2	Inculcating Universal Human Values in Technical Education	25-21 Oct 2021	AICTE
3	Contemporary materials and its processing, applications	12-17 August 2021	EASA college of Engineering and Technology
4	Advancements In Composite Materials	28th June 2021 to 2nd July 2021.	Bharath Institute of Higher Education and Research
5	Fuzzy logic and Neural network approaches for Engineering solutions	01.05.20 to 02.05.20	Journal of Advanced Engineering Research
6	Design of Experiments-An Engineering Perspective	25.04.20 to 27.04.20	Journal of Advanced Engineering Research
7	(EOMS) ISO 21001:2018 Internal Auditor Course	April 13 - 14, 2020	Quality Austria Central Asia Pvt. Ltd.
8	Research Opportunities In Advanced Welding Processes	22th to 26th July 2020	Hindustan College of Engineering and Technology
9	Emerging trends in Robotics	26.05.20 to 30.05.20	Malla Reddy Engineering College
10	NBA accreditation process and SAR preparation	04.05.20 to 08.05.20	NITTR, Kolkata
11	Advanced welding processes and Physics of welding	11.05.20 to 15.05.20	NITTR, Kolkata
12	Welding for Additive Manufacturing	10.06.20 to 15.06.20	Coimbatore Institute of Engineering and Technology
13	Electro Chemical corrosion & Its Impacts On Industries in Tamilnadu	08-03-19 to 09-03- 19	S.A Engineering College
14	Research Methodology	04-06-18 to 09-06- 18	Visvesvaraya Technological University, Belagavi
15	AICTE sponsored seminar on "Challenges and Recent developments in welding of Non-ferrous alloys"	24.11.17 to 25.11.17	Sri venkateswara college of Engineering, Chennai
16	National level seminar on "Advances in Cryogenics and	10.11.17 to 11.11.17	Veltech University, Chennai

	Cryo-materials"		
17	Workshop on Recent trends in Optimization techniques	21-04-17	Velammal Engineering college, Chennai
18	TEQIP-II sponsored FDP on Multibody dynamics simulation using ADAMS	18&19 <sup>th</sup> August 2016	PSG college of Technology ,Coimbatore
19	Workshop on Latex	08/01/2016	R&D center of SAEC
20	Toptech programme on "Automotive suspension systems"	6 <sup>th</sup> &7 <sup>th</sup> May 2016	Hotel Radha Regent, Chennai
21	Short term training programme Applications of FEA and CFD in Manufacturing Engineering	18-05-15 To 22- 05-15	EDS Technologies Pvt.Ltd, Chennai
22	ISTE - Development of High Impact Teaching Skill in Engineering Teaching"	26-10-15 to 06-11-15	SAEC
23	Workshop on Design, Analysis testing of composites products: Theory and practice	08-11-2011 & 09-11-2011	New Horizon College of Engineering, Bangalore.
24	Workshop on Computational Fluid Dynamics	9.02.2009	SAEC
25	Workshop on Six sigma Process	07.02.2008 to 08.02.2008	SAEC
26	CNC Turing / CNC Milling Training Course	06 <sup>th</sup> to 20 <sup>th</sup> Jan 2004	MTAB - Denford Technology Center, Chennai
27	Ethics in Engineering	9 <sup>th</sup> Jan 2004	Rajalakshmi Engg. College
28	Global Trends in Manufacturing Technology	25 <sup>th</sup> July 2003	Anna University
29	Workshop on Engineering Mechanics	20.06.2003 to 21.06.2003	Bannari Amman Institute of Technology, Erode
30	Workshop on Quality Engineering and Management	31.01.2003	Rajalakshmi Engg. College
31	Workshop on Hydraulic and Pneumatic controls	21.05.2003	Velammal Engineering college, Chennai
32	Cold Forming of Engg. Components	19 <sup>th</sup> to 21 <sup>st</sup> Dec. 2002	Sri Venkateswara College of Engg.
33	Advances on Fluidized bed Technologies and Applications	13 <sup>th</sup> to 15 <sup>th</sup> July 2001	Vellore Institute of Technology
34	Workshop on Energy Conservation -Measures and Methods	22.11.2001 to 24.11.2001	Sri Venkateswara College of Engg.
35	AICTE and UGC sponsored Seminar on "Role and Relevance	22.03.2001 to	Anna University

	of Renewable Energy to Small and Medium enterprises and Institutes.	23.03.2001	
36	Creep, fatigue, fracture of Industrial Components	1 <sup>st</sup> to 7 <sup>th</sup> Dec. 2001	IIT, Madras
37	Workshop on Appropriate Technology for sustainable Development	26.04.2001 to 28.04.2001	SASTRA university, Thanjavur
38	Training programme on Modeling software Pro/Engineer	22.07.2000 to 30.09.2000	Saranath consultants, Chennai
39	Short term certificate course on CAD & Finite Element Analysis	27.10.1999 to 17.11.1999	Anna University, Chennai
40	Short term Professional course on CNC machining Technics	21.04.1999 to 12.05.1999	CAD-CAM Technics, Chennai

#### Conferences attended:

S.No	Name of Conference	Date of program	Venue	Title of the paper
1	National conference on Trends in Automotive parts systems and Applications-TAPSA-2017	30&31 st March 2017	college of Engineering and Technology, Coimbatore	Improvement in microstructural characteristics of AZ31B Mg. Alloy during FSW
2	National conference on Advances in Mechanical sciences.	28.04.17 and 29.04.17	Rajalakshmi Engineering college, Chennai.	Influence of the tool geometry on the weldment quality of AZ80A Mg. Alloy joints using FSW process under optimized conditions
3	National conference on Innovations in Science, Engineering & Technology	27 <sup>th</sup> and 28 <sup>th</sup> ,2015	Podhigai College of Engg. And Technology, Tirupattur	Design modification and analysis of starter motor gear train system
4	National Conference on Automation in Manufacturing"	9 <sup>th</sup> Mar. 2003	G.H.Raisoni College of Engg. Nagpur	Design of Automated Storage and Retrieval Systems in FMS

**NPTEL courses:**

S.No	Duration	Name of the course	Credits	Achievement
1	Feb-Apr 2019 8 weeks	Joining Technologies for metals	2	Elite silver Topper 5%
2	July-Sept 2019 8 weeks	Robotics	2	Elite silver
3	Aug-Oct 2019 8 weeks	Accreditation and outcome based learning	2	Elite Gold Topper 2%
4	July-Oct 2022 12 weeks	Aluminium based alloys and Metal matrix composites	3	Elite Topper
5	Jan-Apr 2022 12 weeks	Finite element modeling of welding processes	3	Elite silver
6	Jan-Apr 2024 12 weeks	Advanced Robotics	3	Elite silver
7	Feb-Mar 2024 4 weeks	Experimental Robotics	1	Elite Gold

**AWARDS RECEIVED:**

S.No.	Type of Award	Year	Organization
1	Appreciation for serving Continuously 15 years	2019	S.A.Engineering college, Chennai
2	Consultancy works	-	CDCE Automation,SAEC,Chennai
3	Coordinating EVSC events	-	ISIE
4	Cash award as Performance incentive	April 1995	CETHAR VESSELS LTD,Trichy
5	Cash award as Performance incentive	Aug. 1996	CETHAR VESSELS LTD,Trichy

**MEMBERSHIP IN PROFESSIONAL BODIES**

Name of the registering body/association	Registration No.
ISTE Life membership	LM110121

**CONSULTANCY:**

Title of the project	Duration	Collaboration with Industries/ Commercial institutions
Three Axis pick and Place Robot Using Servo and LM motion Systems	17.08.15 to 30.12.15	Cdce Automation, Chennai

No.of Patents published: 03

Papers published in Journals:

S.No	Name of the journal	Title
1	Jour of Adv Research in Dynamical & Control Systems 2017	Design and Investigational Flow Simulation of Power Generation Using Shrouded Wind Turbine ISSN 1943-023X
2	Advanced Hybrid Composites for Engineering Applications Volume 2022   Article ID 3177172	Optical Microstructure, FESEM, Micro Tensile and Micro Hardness properties of LM 25- B4Cnp-Grnp hybrid composites manufactured by Selective Laser Melting <a href="https://doi.org/10.1155/2022/3177172">https://doi.org/10.1155/2022/3177172</a>
3	Silicon (2023) 15:6715-6727	Influence of APTES modified HNTs on properties of NR/EPDM Nano composites <a href="https://doi.org/10.1007/s12633-023-02668-0">https://doi.org/10.1007/s12633-023-02668-0</a>
4	Silicon 2024	Comparative Analysis of Cure Behaviours, Mechanical Properties, and Swelling Resistance in EPDM/SBR Composites with HNTs, APTES-Modified HNTs, and RH-Modified HNTs <a href="https://doi.org/10.1007/s12633-024-03117-2">https://doi.org/10.1007/s12633-024-03117-2</a>
5	Nanotechnology Perceptions 20 No. S5 (2024) 215-228	A Comprehensive IoT-Based Automation System for Enhanced Productivity and Sustainability for Advancing Farming Efficiency ISSN 1660-6795 <a href="http://www.nano-ntp.com">www.nano-ntp.com</a>

### Personal Details:

Father's Name : S.V.Rangachari  
Date of Birth : 01-06-1966  
Marital Status : Married  
Nationality : Indian  
Religion : Hindu  
Sex : Male  
Languages Known : Tamil, English, Hindi and Sourashtra

### Declaration

I hereby declare that the above mentioned information is true to the best of my knowledge.



(S.R.VENKATARAMAN)