

Name: Dr.A.SRITHAR	Photo 		
Designation:	Associate Professor		
Qualification:	ME, PhD		
Area of specialization:	Mechanical Engineering		
Experience:	Industrial Experience		Teaching Experience
	Nil		27 years
Number of workshops / FDP attended:	Number of Workshops		Number of FDPs
	10		45
Publications:	Conference		Journal
	National	International	National
	International		
	1	3	1
Books / Book Chapters	One		
Patents:	National		International
	6		-
Professional Body Membership	ISTE, IET, SAE India, IEEE, IWS		

Staff Achievements

- * Published research papers in reputed journals such as IEEE, Elsevier, Springer.
- * Filed and published patents in emerging areas and advanced manufacturing.
- * Presented research papers at international conferences.
- * Best Mentor Award at institutional level.
- * Completed NPTEL / FDP certifications from IIT Madras and other IITs and got Mentor, NPTEL STARS certifications
- * Designed new curriculum under Outcome Based Education (OBE) framework.
- * Achieved 100% results in university examinations.
- * Produced university rank holders and gold medalists.
- * Acted as reviewers for international journals and conferences.
- * Membership in professional bodies like ISTE, IEI, IWS SAE India and IEEE.
- * Completed Faculty Development Programmes (FDPs), workshops, ATAL FDPs and industrial internships.

Educational Qualifications:

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Mark/ Grades obtained	Class obtained
UG	BE	Mechanical Engineering	1997	Regional Engg. College	Bharadhidasan	59	II
PG	ME	Production Engineering	2002	Annamalai university	Annamalai University	8.05	I
Doctorate	Ph D	Mechanical Engineering	2021	J N T U	J N T University		

Academic Experience:

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Moogambigai Engg.College	Lecturer	18.06.1998	31.08.2001	3	2	14
Arignar Anna Institute of Technology	Lecturer	29.04.2002	28.12.2004	2	8	0
P.T. Lee Chengalvaraya Naicker College of Engg. & Technology	Asst. Professor	29.12.2004	31.07.2008	3	7	2
Sri Sairam Institute of Technology Sri Sairam Engg. college	Associate Professor	01.08.2008	27.8.2025	17	0	27
	Associate Professor	28.08.25	Till Date	0	6	2
				27	0	15

Workshops/Seminars attended: 16

1. National Work shop on “Recent Advances in Machining and forming Technologies” (RAMFT) on 1st and 2nd March 2012 at Sri Chandra Sekharendra Saraswathi Viswa Mahavidyaalya, Enathur, Kancheepuram.
2. One day Workshop on “Renewable energy” held on 24.02.2012 at Sri Sai Ram Engineering College, Chennai – 44.
3. SDP on ‘Recent Developments in Manufacturing and Management’ from July 25 to July 30, 2011 at Sri Sai Ram Engineering College, Chennai -44.
4. SDP on “Soft Computing with AI” sept.15 to sept. 28, 2011 at Sri Sai Ram Institute of Technology, Chennai – 44.

5. SDP on “Hydraulics Systems and its Recent Trends “ held on 13.07.09 to 25.07.09 at Sri Sai Ram Polytechnic college, Chennai -44.
6. AICTE Sponsored short term courses on “Advanced Tools and Techniques for Research in Engineering Problems” from 25th – 29th Feb.2008 at National Institute of Technology, Trichy-15.
7. AICTE – QIP Sponsored short term courses on “Recent Trends in Advanced Manufacturing” from 18th – 23th March 2008 at National Institute of Technology, Trichy -15.
8. AICTE Sponsored short term courses on “Recent Advances in Industrial Engineering” from 7th – 11th April 2008 at National Institute of Technology, Trichy.
9. Workshop {TEQIP} on “Emerging Trends in Corrosion Control & Surface Engineering (CC & SE 2007) During 9th and 10th Feb.2007 at National Institute of Technology, Trichy-15.
10. TEQIP Sponsored orientation Programme on “Introduction to Nano Technology” During 30th and 31st, March 2007 at College of Engineering, Anna University, Chennai -25.
11. Workshop (TEQIP) on “Campus Automation” on 21st Sept.2007 at Thanthai Periyar Government Institute of Technology, Vellore – 2.
12. Short term (TEQIP-CEG) course on “Vibration and Noise for Practicing Engineers” held during 28th and 29th sept. 2007 at College of Engineering Guindy, Anna University, Chennai 25.
13. International seminar on “Virtual Laboratories for Remote Access” held on 21st and 22nd, Feb.2005, at College of Engineering, Anna University, Chennai- 25.
14. Workshop on ‘Programme of Environment & Pollution Awareness” held on 21st June 2004, at Velammal Engineering College, Chennai – 66.
15. Course on “Re Engineering Teaching Communication Skills” on 19th and 20th sept. 2003, College of Engineering, Guindy, Anna University, Chennai -25.
16. Workshop on Fusion 360 (AUTODESK), on 20.9.2022 by USAM Technologies Pvt. Ltd

FDP/STTP Attended: 36

1. Advancement in Manufacturing Technologies for industrial applications, ATAL FDP, from 24.8.2020 to 28.8.2020, Gayn Ganga Institute of Technology and science.
2. Internet of Things (IOT), ATAL FDP, from 7.9.2020 to 11.9.2020, Sri Sairam institute of Technology.
3. Recent Advances in Materials and Manufacturing: Part-II, (AICTE-STTP), from 7.9.2020 to 12.9.2020, Gayatri Vidya Parishad College of Engineering (Autonomous), Visakhapatnam.
4. Strategies in Teaching Learning (AICTE_ISTE) from 25.2.2021 to 3.3.21 at Sri Sairam institute of Technology, Chennai.
5. Vibration Analysis and Measurements, from 1.3.21 to 6.3.21 at Misrimal Navajee Munoth Jain Engineering College, Chennai.
6. Recent advances & Applications of Machines Learning & IOT in Mechanical Engineering, from 22.2.2021 to 27.2.2021, Sagar institute of science & Technology, Bhopal.
7. Machine tools building, Finishing processes and Export Management, 19.4.21 to 24.4.2021, Karpagam Academy of higher Education, Coimbatore.
8. Out come based Education in Management Education (AICTE), from 16.9.2020 to 28.9.2020 at Saintgits Institute of Management, Kottayam.
9. Engineering Materials Processing -A Research perspective, from 26.4.2021 to 30.4.2021, KGISL Institute Of Technology, Coimbatore.
10. Design and Development of Products and services (AICTE-ISTE), from 5.4.2021 to 12.4.2021, RMK Engineering college, Kavaraipettai, Chennai.
11. "Design Thinking", ATAL, from 1.6.2021 to 5.6.2021 at Gyan Ganga Institute of Technology and Sciences.
12. Recent Developments in Materials, Manufacturing and Thermal Applications, 7.6.2021 to 12.6.2021, at Karpagam Institute of Higher Educations, Coimbatore.
13. “World Education Summit 2021: Beyond Pandemic”, 7.6.2021 to 13.6.2021, AVIT, Chennai

14. "Innovation, Incubation, Startups & Research Challenges in India"(IEI), from 28.6.2021 to 2.7.2021 at SRM Institute of Science & Technology, Chennai.
15. "Classical Optimization Techniques in Manufacturing systems"(ATAL) from 5.7.2021 to 9.7.2021 at GURU NANAK INSTITUTIONS TECHNICAL CAMPUS TELANGANA.
16. "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education (AICTE), from 2.8.2021 to 6.8.2021.
17. "Advancement in Material Processing Technologies"(ATAL) from 09/08/2021 to 13/08/2021 at TAPI DIPLOMA ENGINEERING COLLEGE.
18. "Design, Optimization and Manufacture of Materials", from 7.3.2022 to 12.3.2022 at SSN College of Engineering, Chennai.
19. "ENVISIONING PATHWAYS IN THERMAL SCIENCES", from 23.5.2022 to 28.5.2022 at SRM Institute of Science and Technology, Ramapuram campus, Chennai.
20. Product Design Engineering using FUSION 360, 1.8.2022 to 5.8.2022 by ICT Academy, Sri Sairam Engineering College, Chennai.
21. Advanced Machining Processes (NPTEL-FDP), AUG.- OCT. 2022
22. "Thermal Science and Materials Engineering" on 7.11.2022 to 11.11.2022 at Srinivasa Ramanujan Institute of Technology, Ananthapuramu.
23. ELECTRIC VEHICLE DRIVE SYSTEM from 27.2.2023 to 4.3.2023 at Jerusalem college of Engineering, Chennai.
24. "RECENT ADVANCEMENT IN SUSTAINABLE ENERGY SOURCES: RESEARCH AND DEVELOPMENT" from 26.2.2024 to 1.3.2024 at Karpagam Academy of Higher Education, Coimbatore.
25. Frontiers in Mechanical Engineering: Embracing Modern Trends and Innovations , from 21.3.2024 to 27.3.2024 at DMI College of Engineering, Chennai.
26. Basics of Mechanical Engineering – 2 (NPTEL- FDP), JAN-APRIL 2025
27. United Nations Sustainable Development Goals (UN SDGs), (NPTEL- FDP), JAN-APRIL 2025.
28. Program on Innovations in Advanced Materials, Optimization and Sustainable Energy systems, from 15.12.2025 to 20.12.2025 at SRM Institute of Science and Technology, Ramapuram, Chennai.
29. Introduction to Industry 4.0 and Industrial Internet of Things (NPTEL- FDP), JUL.-OCT.2025
30. Manufacturing Systems Technology I & II, (NPTEL- FDP), JUL.-OCT.2025
31. Computer Integrated Manufacturing, (NPTEL- FDP), JAN.-APRIL2024
32. Robotic Process Automation, from 6.5.2024 to 11.5.2024 at Sri Sairam Engineering College, Chennai
33. Universal Human Values-II (UHV-II), from 27.5.2024 to 1.6.2024 by AICTE.
34. Engineering Metrology, (NPTEL- FDP), JUL.-OCT.2024.
35. Automation in Manufacturing, (NPTEL- FDP), JUL.-OCT.2024
36. Next gen Teaching with AI Assistants, on 16.01.2026 at SCSVMV, Kanchipuram

Symposium Attended: Nil

Conference Attended: 2

1.A. Srithar, K.Palanikumar, B.Durgaprasad, Experimental Investigation and Analysis on Hard turning of AISI D2 Steel, Proceedings of the Second International conference on Advances in Materials Processing and Characterisation (AMPC-2013) held at Anna University, Chennai, T.N, India,6-8 February2013,869-876

2.K. Palanikumar, A. Srithar, B.Durgaprasad, Surface Roughness Analysis in Hard turning of AISI D2 Steel, Proceedings of the Second International conference on Smart Technologies for Materials, Communication, Controls, Computing & Energy (ICST-2013) held at Vel Tech Dr. RR & Dr.SR Technical University, Chennai, T.N, India,3-5 January2013, pp59-63.

Completed / Ongoing Projects: Nil

Patent: 6

1. LEGS EXERCISING MACHINE, Design No: 365842-001 Date: 10/06/2022
1.Dr.A. Srithar 2. T.Anand 3.L. Ranganathan 4.T. Mangayarkarasi 5. Dr.M. Ananthi 6. Anna Eswara Kumar.
2. SEED SOWER, Design No: 408692-001 Date: 26/02/2024
1.Dr. A. Srithar 2. Dr. T. Anand 3.Mrs. T. Mangayarkarasi 4.Mr. K. Ragupathy 5.Mr. M Arun
6.Dr. L. Ranganathan 7.Dr. M. Kalavalli 8.Mr. Anna Eswara Kumar
3. VITAMIN DEFICIENCY TRACKER, Design No: 432519-001 Date: 02/10/2024
1.Dr.M. Kalavalli 2. Dr. A. Srithar 3. Dr.R. Vijayalakshmi 4.Dr. Maragatham.S 5. Ushapriya M
6.Anna Eswara Kumar
4. THREE AXES DUMP TRUCK MECHANISM FOR TIPPER LORRY, Application No: 202341033964
Date: 16/6/2023 1. Dr. T. Anand 2. Dr.A.Srithar 3. Dr.L. Ranganathan 4. 5. Mr.N. Arun
5. PNUMATICALLY ENABLED INCLINING FIXTURE FOR MILLING MACHINE,
Application No:202341033957 Date: 16/6/2023 1. Dr. T. Anand 2. Dr.K.Ragupathy 3. Dr.A.Srithar
4. Mr.N. Arun 5. Dr.L. Ranganathan
- 6.TURBOCHARGED INTERNAL COMBUSTION ENGINE SYSTEM WITH ADAPTIVE FUEL-AIR
MIXTURE OPTIMIZATION FOR ENHANCED EFFICIENCY AND EMISSION CONTROL
Application No:202541049887, Date: 6/6/2025 1. Mr.P.Sankar lal 2. Mr. Ambrish singh 3. Dr.A.Srithar
4.P.H.J. Venkatesh 5. T. Thirumalai 6.Dr. Suresh kumar Mandru 7.S. Muthuvel

Journal Publications: 13

- 1.A. Srithar, K.Palanikumar and B.Durgaprasad, Experimental Investigation And Analysis On Hard Turning of AISI D2 Steel Using Coated Carbide Insert, Advanced Materials Research Vols. 984-985 (2014) pp 154-158
- 2.A.Srithar,K.Palanikumar,B.Durgaprasad, Experimental Investigation and Surface roughness Analysis on Hard turning of AISI D2 Steel using Coated Carbide Insert, Procedia Engineering 97(2014)72–77.
3. A.Srithar, K.Palanikumar and B.Durgaprasad, Hard Turning of AISI D2 Steel by Polycrystalline Cubic Boron Nitride (PCBN), Applied Mechanics and Materials Vols 766-767 (2015) pp 649-654.
4. A.Srithar, K..Palanikumar and B.Durgaprasad, Experimental Investigation and Surface Roughness analysis on Hard Turning of AISI D2 Steel using Polycrystalline Cubic Boron Nitride (PCBN), Materials Today: Proceedings 16 (2019) 1061–1066.
5. Narendra Kumar J, Bala Venkatesh K, Mithun S, Narendran S, A Srithar, Design and fabrication of rice transplanter adopting system of rice intensification (Sri) technique, AMM, ISSN:1662 7482, vols 813-814, pp 983-986
6. R. Sridhar, G. Shanmugasundar and A. Srithar, A Geometrical Modular Design for Handling of LPG Cylinders using Nested Kinematic Robotic Gripper, Indian Journal of Science and Technology, Vol 9(48), DOI: 10.17485/ijst/2016/v9i48/108474, December 2016
7. GM Kumar, SE Gouthem, A Srithar, VS Prakash, IOT based water quality control and filtration system,

Materials Today: Proceedings 46, 3557-3560(2021)

8. SE Gouthem, A Srithar, VS Prakash, Automation of leather coating process Materials Today: Proceedings 46, 3550-3553 (2021)

9.VS Prakash, GM Kumar, SE Gouthem, A Srithar, Solar powered seed sowing machine Materials Today: Proceedings 46, 3554-3556(2021)

10. Titus S, Karthick L, Kiruba S, Srithar A, Harish Kumar, Karuna M S, Activated Biochar from Gracilaria Edulis Seaweeds: A Novel Biosorbent for Efficient Uranium Ion Removal in Wastewater Treatment, Global NEST, Vol.26, No 8,05914, <https://doi.org/10.30955/gni.005914>, Published on May 31,2024.

11. A. Srithar, Seeniappan Kaliappan, L. Natrayan, Ramya M, Sustainable Synthesis of Biosilica Nanoparticles from Cassava Peels and Bamboo Fiber-reinforced Epoxy Composite and Analyse their Performances, Silicon, <https://doi.org/10.1007/s12633-025-03492-4>, 26 October 2025.

12. A. Srithar, Pradeep Kumar Singh, Vinayagam Mohanavel, Seeniappan Kaliappan, Development of sugarcane leaf fiber and Helianthus annuus cellulose-reinforced vinyl ester biocomposite, Polymer Bulletin (2026) 83:293, <https://doi.org/10.1007/s00289-025-06193-5>, 20 September 2025.

13. N.Ravi Kumar, R.Suthan, A. Srithar, M.Chitra, M.Meena, B. Uma Maheswari, Nellore Manoj Kumar, Prashant Sunagar, T.S.Shanthi, Harnessing Marine and Agro-Waste Resources: Bioengineered Seaweed Polysaccharide-Coconut Films. for Next-Generation Sustainable Packaging, Journal of Polymer & Composites, Volume 13, Issue 4, 2025 DOI (Journal): 10.37591/JoPC , ISSN: 2321-2810 (Online) , ISSN: 2321-8525 (Print), Published Date: July 17, 2025.

Books / Book Chapters: 1

IOT for Mechanical & Manufacturing Industry, Prof.K. Ch Sekhar, Mr. Mohin H. Patel, Dr.A.Srithar, Dr. D. Ramesh Reddy. Alpha International Publications (AIP), ISBN:978-93-5762-630-9, 2025

Awards: Best Mentor, Responsible and Innovation, Reviewer

Startup: Nil

Webinar: 27

1. “INNOVATION & ENTREPRENEURSHIP” on 19.9.2020, Vidya Jyothi Institute of Technology (Autonomous), Hyderabad.
2. “SELECTIVITY OF POROUS COMPOSITE FOR FUEL CELL IN AEROSPACE APPLICATIONS” On 19.9.2020, SSN College of Engineering, Chennai
3. Roles of IOT on Industrial applications, on 21.5.2020, PANTECH Solutions.
4. How to Get Published in Scientific Journal: From Research to Publication on 27/04/2020, Sri Sairam Institute of Technology, Chennai.
5. “Basic Metallurgy Techniques for Manufacturing Industry” held on 7.5.2020, AVIT, Chennai
6. “Basic - Advanced Hydraulics” held on 6.5.2020, AVIT, Chennai
7. “Entrepreneurship Turning A Bright Idea in to A Successful Business” held on 8.5.2020, AVIT, Chennai
8. “How to equip and build a career in these changing times” held on 4.5.2020, AVIT, Chennai
9. MECH 4.0, held on 7.5.2020 and 8.5.2020 at Sathyabama University, Chennai
10. CFD and its Applications in Power plant Industry, held on 13.5.2020 at Sathyabama University, Chennai.

11. Fracture Mechanism: An Overview of Current Trends, held on 14.5.2020 at Satyabama University, Chennai.
12. How to Publish Research Article in Reputed Journals, held on 5.6.2020 at Sathyabama University, Chennai.
13. Fundamentals of Strength of Materials, held on 29.4.2020 at CIT, Chennai
14. "Artificial Intelligence & Drug Discovery" held on 19.4.2020 at SVERI, Pandharpur, Maharashtra.
15. Product Life Cycle Management-How program transformed the Engineering Field, held on 29.5.2020, Jaya Group of institutions, Chennai.
16. Machine Learning, held on 2.5.2020, PANTECH Solutions.
17. Advanced Manufacturing Practices-Robot Automation & Industry 4.0, held on 20.5.2020 at Sri Sairam Institute of Technology, Chennai.
18. Industry 4.0, Held on 15.5.2020 at CIT, Chennai
19. Design Thinking and Innovation contest on 14.6.2021 at kumaraguru college of Engineering, Coimbatore.
20. Incubation Process on 15.6.2021, at kumaraguru college of Engineering, Coimbatore.
21. How to plan for start-up and Legal & Ethical steps, on 6.6.2021, kumaraguru college of Engineering Coimbatore.
22. Workshop on Intellectual Property rights, on 17.6.2021, kumaraguru college of Engineering, Coimbatore.
23. Mentorship Session for Innovators, on 18.6.2021, kumaraguru college of Engineering, Coimbatore.
24. Magneto Rheological Abrasive Flow finishing process, on 27.7.2022 at SIMATS School of Engineering, Chennai.
25. Lecture on Robotics and AI for Industry 4.0 (IEEE Madras Session) on 17.11.2022
26. Reconfigurable Intelligent and Holographic surface for wireless communications (IEEE Madras session) held on 2.12.2022.
27. Future Trends in VLSI Technology (IEEE Madras session), 31.12.2022

Resource Person: Nil

Online Courses: NPTEL, NITTTR, COURSERA, ATAL

NITTTR Courses: Eight Modules Completed

Professional Membership:

- 1. Indian Society for Technical Education**
- 2. SAE India**
- 3. Indian Welding Society (IWS)**
- 4. IEEE**
- 5. IEI (The Institutions of Engineers)**