



Bio Data of Dr. T. RAJASEKARAN

Basic Details:

- **Name:** Dr. T. RAJASEKARAN
- **Designation:** Professor
- **Phone Number:** 1818
- **Email ID:** rajasekt1@srmist.edu.in, rajasekaran2k@gmail.com
- **Area or Subject:** Manufacturing
- **Affiliation:** Department of Mechanical Engineering, Kattankulathur, SRM Institute of Science and Technology

Educational Details:

- **Degree** – PhD,
- **Area or Subject** – Machining of composite materials
- **University** – SRM University
- **Awarded Year** – 2012
Ph. D in Mechanical Engineering, Engineering & Technology, SRM University, 2012
- **Degree** – M.E.,
- **Area or Subject** – Manufacturing
- **University** – Regional Engineering College, Bharathidasan University
- **Awarded Year** – 1998
M. E., in Manufacturing Technology, Regional Engineering College, 1998
- **Degree** – B.E.,
- **Area or Subject** – Mechanical Engineering
- **University** – Regional Engineering College, Bharathidasan University
- **Awarded Year** – 1996
B. E., in Mechanical Engineering, Regional Engineering College, 1996

Other Details:

Courses: (Manufacturing Technology, Metrology and Quality Control, Computer Aided Process Planning, Computer Aided Manufacturing, Production and Operations Management, Total Quality Management and Reliability Engineering, Basic Mechanical Engineering, Engineering Graphics, Manufacturing and Assembly drawing, Manufacturing Information Systems, Manufacturing System Simulation, Non Destructive Testing and Evaluation, Integrated Product Development, Principles of Computer Integrated Manufacturing, Non Traditional machining techniques, Advanced Materials

Engineering, Green and Sustainable Manufacturing,)

Research Interests: (Development, Machining of composites, Testing and Tribology of Composite Materials, Welding of similar and dissimilar materials)

Patents filed:

1. A Composite Reinforced With Natural Fibers And A Process For Preparing The Same, Patent application no: 201741045695, Dated, 19.12.2017
2. FIBER REINFORCED COMPOSITE, Patent application no: 202041032001, Dated, 27-07-2020
3. A Kevlar fiber reinforced composite, Patent application no: 202041027221, Date of filing: 26-06-2020, Publication date: 10-07-2020
4. Development of mini coconut shell crusher, Patent application no: 201741043814, Dated: 06.12.2017

Selected Publications:

International journals

- R SaravanaKumar, **T Rajasekaran**, Sahil Deep Singh, Sameer Kumar, Prakar Mishra, Priyanshushrivastav, Shashank ravishankar, Optimization of FSW Parameters to Improve the Mechanical and Metallurgical Properties of Aluminium Alloy AA 5083 Joints, Materials Science and Engineering 912 (2020) 032029
- SaravanaKumar, **T Rajasekaran** Varun G Prasad, Prediction of Optimum Welding parameters for Friction stir welding of Aluminium Alloy AA5083 Using Response Surface Method, Materials Science and Engineering 912 (2020) 032030
- R SaravanaKumar, **T Rajasekaran**, S Sivasubramanian, Dhruv Garg, Debasis Gouda, Ritwik Tiwari Akashendra Singh, Characteristic Study of Friction Stir Welding of Aluminium Alloy AA7075 Using H13 Surface Hardened Tool Steel with Variable Tool Pin Design, Materials Science and Engineering 912 (2020) 032033
- Mouriya Srinivasan, SaravanaKumar R, **T. Rajasekaran**, Comparative study of tungsten inert gas and friction stir welding of aluminium alloy aa5083 (armour grade) aluminium alloy joints, Materials Science and Engineering 912 (2020) 032026
- S Dinesh, **T Rajasekaran**, M Dhanasekaran, K Vigneshwaran, Experimental testing on mechanical properties of sandwich structured carbon fibers reinforced composites, Materials Science and Engineering 402 (2018) 012180
- K Gokul, **T Rajasekaran**, Cutting force analysis on drilling parameters of sugarcane fibre reinforced polymer composite, Materials Science and Engineering 402 (2018)
- R Saravanakumar, K Krishna, **T Rajasekaran**, S Siranjeevi, Investigations on friction stir welding of AA5083-H32 marine grade aluminium alloy by the effect of varying the process parameters, Materials Science and Engineering 402 (2018) 012187
- N Sudharsan, **T Rajasekaran**, G S Vinod-Kumar, Optimizing the hot compaction parameters of Al-Mg-Cu foams processed through elemental powder route, Materials Science and Engineering 402 (2018) 012202
- S Vigneshkumar, **T Rajasekaran** Experimental analysis on tribological behavior of fiber reinforced composites, Materials Science and Engineering 402 (2018) 012198
- M Vishnu Prabhakar **T Rajasekaran**, Machinability and flammability properties of sisal fiber reinforced polymer composites, Materials Science and Engineering 402 (2018) 012035
- K. Gokul, T. Ramprabhu, **T. Rajasekaran**, Processing and evaluation of mechanical properties of sugarcane fiber reinforced natural fiber composites, Transactions of Indian Institute of Metals (accepted for publication).

- **T. Rajasekaran**, K. Gokul, Evaluation of mechanical characteristics of treated and untreated sugarcane fiber composites Journal of Chemical and Pharmaceutical Sciences, 9 (1), 2016, 652-656.
- **T. Rajasekaran**, K. Rajavikraman, Examination of mechanical properties of drumstick based composites: a sustainable approach, Journal of Chemical and Pharmaceutical Sciences, 2016 9 (1), 642 -645.
- **T. Rajasekaran**, A. Aravindakumar, Experimental study on the characteristics of surface treated luffa fiber composites, Journal of Chemical and Pharmaceutical Sciences, 2016 9 (1), 646-651.
- **T. Rajasekaran**, S. Vigneshkumar, Comparative study on the mechanical testing of fiber reinforced polymer composites, Journal of Chemical and Pharmaceutical Sciences, 2016, 9(1), 657-660.
- J. Santhakumar, **T. Rajasekaran** and Einstein Johnson, Investigation on the Effect of Tool Coating Thickness in Pocket Milling using Austenite SS316, Indian Journal of Science and Technology, Vol 9(29), DOI: 10.17485/ijst/2016/v9i29/94021, August 2016.
- **T. Rajasekaran**, R. Karthikeyan 2, B.K.Vinayagam, Production Streamlining of Manual Steering Gear Assembly Through Lean Manufacturing, International Journal of Applied Engineering Research, Vol. 10 (33) (2015).
- K. Palanikumar, **T. Rajasekaran**, B. Latha, Fuzzy rule-based modeling of machining parameters for surface roughness in turning carbon particle-reinforced polyamide, Journal of Thermoplastic Composite Materials, 28 (10): November 28, 2013, 1361–1372.
- **T. Rajasekaran**, K. Palanikumar, B. K. Vinayagam, Application of fuzzy logic for modeling surface roughness in turning CFRP using CBN tool, Prod. Eng. Res. Devel. (2011) 5(2): 191-199.
- **T. Rajasekaran**, K. Palanikumar, B. K. Vinayagam, Experimental investigation and analysis in turning of CFRP composites, Journal of Composite Materials. (2011) 46(7): 809-821.

National journals:

1. Mohanaruban B, **Rajasekaran T**, Rajkumar S, Balasubramanian V, Effect of Welding Process Parameters on Tensile Strength and Microstructure on Stainless Steel Dissimilar Joints, Journal of Manufacturing Engineering, September, 2014, Vol. 9, Issue. 3, pp 175-185.
2. Praveen R, **Rajasekaran T**, Rajkumar S, Balasubramanian V, Examination of Welding Parameters for Strength Analysis in Friction Welding, Journal of Manufacturing Engineering, September, 2014, Vol. 9, Issue. 3, pp 186-189.
3. **Rajasekaran T**, Vignesh kumar, Experimental analysis on the wear behavior of natural fiber reinforced polymer composites, Journal of Manufacturing Engineering, September, 2015, Vol. 10, Issue. 3, pp 186-189.

Papers Presented: (To be listed in reverse chronology, i.e. starting with the most recent) [Mention Year of Presentation]

International conferences

- Gokul K, **T. Rajasekaran**, Development of Banana Fiber/Fly Ash Reinforced Polymer Composites and its Effect on the Process Input Parameters in the Drilling Operation Using Ranking Algorithm, Proceedings of 10th International Conference on Advancements in Polymeric Materials, January 22 - 24, 2019, CIPET, Guindy, Chennai.
- S. Pradeep, **T. Rajasekaran**, Cutting Force Analysis on Drilling of Natural Fiber Reinforced Polymer Composites Material, Proceedings of International conference on Advanced Technologies for societal Applications (Techno-Societal 2018), Shri Vithal Education and Research Institute, Pandharpur, India, 14 -15 December 2018.
- S. Pradeep, **T. Rajasekaran**, An Experimental Study on Mechanical Properties of Jute Fiber Reinforced

Composite Containing Graphite Lubricant, 10th International Conference on Advancements in Polymeric Materials, January 22 - 24, 2019, CIPET, Guindy, Chennai.

- Gokul K, **T. Rajasekaran**, Survival of mechanical properties after water absorption on coconut shell filled banana fiber polymer composites, Proceedings of International conference on Advanced Technologies for societal Applications (Techno-Societal 2018), Shri Vithal Education and Research Institute, Pandharpur, India, 14-15 December 2018.
- K Gokul, **T. Rajasekaran**, Cutting force analysis on drilling parameters of sugarcane fibre reinforced polymer composite, IOP Conf. Series: Materials Science and Engineering 402 (2018) 012183
- S Vigneshkumar and **T. Rajasekaran**, Experimental analysis on Tribological behavior of fiber reinforced composites, IOP Conf. Series: Materials Science and Engineering 402 (2018) 012198
- S Dinesh, **T. Rajasekaran**, M Dhanasekaran, K Vigneshwaran, Experimental testing on mechanical properties of sandwich structured carbon fibers reinforced composites, IOP Conf. Series: Materials Science and Engineering 402 (2018) 012180
- R Saravanakumar, K Krishna, **T. Rajasekaran**, S Siranjeevi, Investigations on friction stir welding of AA5083-H32 marine grade aluminium alloy by the effect of varying the process parameters, IOP Conf. Series: Materials Science and Engineering 402 (2018) 012187
- M Vishnu Prabhakar and **T. Rajasekaran**, Machinability and flammability properties of sisal fiber reinforced polymer composites, IOP Conf. Series: Materials Science and Engineering 402 (2018) 012035
- N Sudharsan, **T. Rajasekaran**, G S Vinod-Kumar, Optimizing the hot compaction parameters of Al-Mg-Cu foams processed through elemental powder route, IOP Conf. Series: Materials Science and Engineering 402 (2018) 012202
- **T. Rajasekaran**, K. Palanikumar, B. K. Vinayagam, Optimization of machining parameters for minimal surface roughness in turning PA6 using Taguchi method, Proceedings of International conferences and Exhibition on Emerging challenges in Design and manufacturing Technologies (ECHDEM), Sathyabama University (2007), Chennai.
- **T. Rajasekaran**, K. Palanikumar, B. K. Vinayagam, Application of Taguchi method in selection of cutting parameters when turning PA6 using CBN cutting tool, Proceedings of International conference on Advances in Industrial Engineering Applications (ICAIEA), Anna University (2009), Chennai.
- **T. Rajasekaran**, K. Palanikumar, B. K. Vinayagam, S. Prakash, Influence of Machining Parameters on Surface Roughness and MRR in Turning CFRP Material, Proceedings of the International conference on Frontiers in Automotive and Manufacturing Engineering, Sathyabama University (2010), Chennai, India. This is archived in IEEE explorer.
- **T. Rajasekaran**, K. Palanikumar, B. K. Vinayagam, Examination of process parameter combination to achieve good surface finish in machining at a moderate cutting speed using Taguchi analysis, Proceedings of the Indian Science Congress (3-7 January 2011), SRM University, Chennai, India.
- **T. Rajasekaran**, K. Palanikumar, B. K. Vinayagam, The role of precision parameters in turning CFRP composites, Proceedings of the International conference on Cutting, welding and surfacing (22-23 January 2011), Indian welding society, Coimbatore, India.
- **T. Rajasekaran**, K. Palanikumar, B. K. Vinayagam, Analysis of machining parameters for better surface characteristics in machining CFRP material using coated cutting tool, Proceedings of the International Conference on Materials for the Future (23-25 February 2011), Government Engineering College Trichur, Thrissur, Kerala, India.
- **T. Rajasekaran**, K. Palanikumar, B. K. Vinayagam, Performance of single crystal diamond tool in machining CFRP composites. Proceedings of the International conference on Advances in Mechanical Engineering (4-5 March 2011), Kalasalingam University, Krishnankovil, India.
- **T. Rajasekaran**, V. V. Ramakrishna, K. Palanikumar, B. K. Vinayagam, Modeling for surface roughness using RSM in machining of CFRP composites using Ceramic tool, Proceedings of the International conference on Product, Life sciences, Modeling, System and Simulation (5-6 December 2011), PSG College of Technology, Coimbatore, India.
- **T. Rajasekaran**, K. Palanikumar, B. K. Vinayagam, Finish turning parameters and small nose radius tool in On the use of mono crystal diamond tool and modeling for surface roughness in machining of CFRP

composites, Proceedings of the International Conference on Meso, Micro and Precision Engineering (10-11 December 2011), College of Engineering Pune, Pune, India.

- **T. Rajasekaran**, K. Palanikumar, B. K. Vinayagam, Effect of machining parameters in finish turning using response surface modeling with small nose radius tool, Proceedings of the International conference on Advances in Materials Processing (19-20 December 2011), RMK Engineering College, Kavaraipettai, Chennai, India.
- **T. Rajasekaran**, K. Palanikumar, B. K. Vinayagam, Turning CFRP Composites with Ceramic tool for Surface Roughness Analysis, Proceedings of the International Conference on Modeling, Optimization and Computation (ICMOC 2012), Noorul Islam University, Thukalay, Kumarakoil, Tamilnadu, India. This paper is published in Proceedia Engineering, Elsevier.
- **T. Rajasekaran**, B. K. Vinayagam, K. Palanikumar, K. Hariharan, P. Kalaichelvan, Surface Roughness Modeling For MoS₂ Filled Polyamide 6 In Turning, Proceedings of the International Conference on Recent Advances in Material Processing Technology RAMPT'13 (January 7-9, 2013), National Engineering College, Kovilpatti-628503, Tamilnadu, India. Paper No. 141.
- B. Samul Micheal, **T. Rajasekaran**, Automatic chassis extension design and implementation of load carrying vehicle, Proceedings of the International conference and exhibition on pressure vessels and piping, (OPE 2013), 13-16, February 2013, IGCAR, Chennai, India.
- A. Senthil kumar, **T. Rajasekaran**, A collective review on Roller burnishing process on Aluminium, Proceedings of the 2nd World conference on Applied Sciences, Engineering and Technology (WCSET 2013), 8-9 March 2013, GITAM University, Hyderabad, India.
- T. Ponvel murugan, **T. Rajasekaran**, Investigation on Micro Electric Discharge Machining Process: An Exclusive Review, Proceedings of the 2nd World conference on Applied Sciences, Engineering and Technology (WCSET 2013), 8-9 March 2013, GITAM University, Hyderabad, India.
- T. Ponvelmurugan, **T. Rajasekaran**, Vikash Kumar Choudhary, Suvajit Majumder, Experimental investigation of micro electric discharge machining process of AISI 1060, Proceedings of the International conference on Advanced Materials, Manufacturing, Management and Thermal Sciences (AMMMT-2013) 03-04 May, 2013, Siddaganga Institute of Technology, Tumkur, 572103, Karnataka, India.
- **T. Rajasekaran**, Varun, Vigneshkumar, Comparative Mechanical Testing on Fiber Reinforced Polymer Composites, Proceedings of the Fourth International Conference on the Natural and Bio Polymers (ICNP 2015), 10-12 March 2015, Mahatma Gandhi University, Kottayam, Kerala. Paper No.
- **T. Rajasekaran**, R. Karthikeyan, B.K.Vinayagam, Implementation aspects of Production Streamlining Of Manual Steering Gear Assembly Through Lean Manufacturing, Proceedings of the International Conference on (ICERT 15) Vels University, Pallavaram, Chennai. RTEMI mail on May 13.
- Mahesh Suryakant Jadav, **T. Rajasekaran**, Effect of magnesium on silicon carbide and flyash reinforced aluminum metal matrix composites, Proceedings of the International conference on smart design and sustainable manufacturing (ICSD &SM'16), 26, 27 September 2016, Department of Mechanical Engineering, Alagappa chettiar college of engineering and technology, Karaikudi, Tamilnadu, India, pp 119-123
- Sean D'Brass, **T. Rajasekaran**, Microstructure and wear properties of aluminium-copper alloy reinforced with titanium carbide formed in-situ from potassium hexafluorotitanate and graphite, Proceedings of the International conference on smart design and sustainable manufacturing (ICSD &SM'16), 26, 27 September 2016, Department of Mechanical Engineering, Alagappa chettiar college of engineering and technology, Karaikudi, Tamilnadu, India, pp 193-197.
- Sean D'Brass, **T. Rajasekaran**, Experimental analysis on tribological behavior of fly ash reinforced aluminium LM6 composite, Proceedings of the International symposium for research scholars on Metallurgy, Materials science and Engineering (ISRS), IIT Madras, December 21-23, 2016
- Gokul. K, **T. Rajasekaran**, Experimental investigation on mechanical properties of natural fiber reinforced polymer composites, Proceedings of the International symposium for research scholars on Metallurgy, Materials science and Engineering (ISRS), IIT Madras, December 21-23, 2016.

National conferences:

- **T. Rajasekaran**, K. Palanikumar, B. K. Vinayagam, Application of soft computing for modeling surface roughness in turning CFRP material using carbide cutting tool, Proceedings of the National conference on recent advances in manufacturing (19-20 July 2010), SVNIT, Surat, Gujarat, pp.9-15.
- **T. Rajasekaran**, K. Palanikumar, B. K. Vinayagam, Machining of Carbon Fiber Reinforced Polymer Composites: A Comprehensive Review, Proceedings of the National Conference on Development of Composite Materials and Processes (7-9 April 2011), Don Bosco Institute of Technology, Bangalore, India.
- **T. Rajasekaran**, K. Palanikumar, B. K. Vinayagam, Response Surface Prediction of Surface Roughness on Turning Parameters using SCD Tool for CFRP Composites, Proceedings of the National Conference on Advances in Mechanical Sciences (1 April 2011), Government College of Technology, Coimbatore, India.
- S. Duraikannan, **T. Rajasekaran**, An attempt to improve process capability for automatic tool wear offset in CNC machine by adaptive control, Proceedings of the National conference on Advances in Materials, Design and Manufacturing (AMDM-2013), 17th April 2013, B.S. Abdur Rahman University, Vandalur, Chennai.
- **T. Rajasekaran**, Vigneshkumar, Experimental study on the tribological behavior of natural fiber reinforced composites, Proceedings of the BRNS sponsored national seminar on tribology (AINT 2015), 11-12 February 2015, National Engineering College, Kovilpatti, Tamilnadu, India.
- **T. Rajasekaran**, Varun, A review on Aramid fiber reinforced composites; Proceedings of the BRNS sponsored National Seminar on Tribology (AINT 2015), 11-12 February 2015, National Engineering College, Kovilpatti, Tamilnadu.

Working Papers: (To be listed in reverse chronology, i.e. starting with the most recent) [Mention Year]

- " Effect of water absorption on tensile properties of sugarcane fiber reinforced polyester composites filled with coconut shell filler" .

Work in Progress: (Yet to be published; Ongoing work)

- "Effect of creep rupture on the age hardened Mg alloy ".
- Understanding the influence of fly ash on wear behavior in banana fiber reinforced polymer composites
- Experimental investigation on the effect of graphite in drilling natural fiber reinforced polymer composites
- An attempt to Improvement in conductivity of different fiber reinforced polymer composites
- Examination of suitable alternate material for brake pad applications in automotives using fiber reinforced composites.

Academic Experience:

- Professor and Deputy Head, Department of Mechanical Engineering, SRM IST, February 2016 onwards
- Professor, Department of Mechanical Engineering, SRM University, 2013 - 2016
- Assistant Professor (S.G), Department of Mechanical Engineering, SRM University, 2006 - 2013
- Assistant Professor (Sr.G), Department of Mechanical Engineering, SRM University, 2005 – 2006
- Lecturer, Department of Mechanical Engineering, SRM University, 2001 – 2005
- Lecturer, Department of Mechanical Engineering, Thiruvalluvar College of Engg and Tech, 1998 - 2001,

Other Professional Experience:

- Organized a Technical Talk on Materials and processes with Dr. T. Ramprabu, Scientist, DRDO, Bangalore.
- Organized one day FDP on Intellectual property rights and innovation, with Dr. Kanthabanu, CEG, Anna University, 6th January 2017
- Organized National Conference on Advances in Mechanical Engineering (NCAME), April 29, 2016.
- Organized a Technical Talk with Mr. Narasimhan, Vice President, Wheels India, Chennai
- Delivered Guest Lecture at Sri Sairam Engineering College, Department of Mechanical Engineering, March 06-12-2013
- Delivered Guest Lecture at Sri Sairam Institute of Technology, Department of Mechanical Engineering, March 20-03-2015 .
- As a faculty advisor eBaja SAE India competitive team, took part in the final endurance run at Pithampur, Indore, 15-19 February 2017.
- Organized a Technical Talk on “Nano materials: Hope or Hype” with Dr. Hemantkumar Aiyer, Lead Scientist, Aditya Birla Science and Technology Centre, Mumbai, 24th February 2017.
- Organized a Technical Talk on “Functional surfaces” with Dr. S. Aravindan, IIT Delhi, 07-03-17
- Industrial visit to “THREYES SRINISONS WIRING HARNESS” Pvt limited, 29-03-2017, Srimathur, Padappai.
- Chaired a technical paper presentation session in “International Conference on Advances in Materials, Manufacturing and Applied Sciences (ICAMMAS’17)” held at Sri Sairam Institute of Technology, West Tambaram, Chennai.
- Organized one day FDP on Research perspectives, 22nd October 2016
- Organized one day FDP on Insights into Research with speakers Dr. C. Balaji, IIT Madras, Dr. Prasanna Venkatesan and Dr. Sathiyarayanan, NIT Trichy, 29th June 2017
- Organized guest lecture on “Happy computing and healthy living” with Dr. Sankar Pandey, 7th July 2017.
- Organized a Technical Talk on “Advances in processing and Joining of Materials” with Dr. Dr. Madhusudhan Reddy, Scientist, Defense Metallurgical Research Laboratory (DMRL), Hyderabad, 6th September 2017.
- Delivered an invited talk at Sri Sairam Institute of Technology, Department of Mechanical Engineering, on Artificial Intelligence in Bio degradable polymer composites, 25-10-2017 .
- Organized one week short term technical program on “Micro machining” between 20-27 November 2017.
- Chaired a technical paper presentation session in “International Conference on Sustainable in Materials, Manufacturing and Applied Sciences (ICAMMAS’18)” held at Sri Vithal Engineering and Research Institute, Pandharpur, Maharashtra.

Conferences/Seminars/Workshops Attended: [Mention the corresponding Date & Year of events]

- Testing and analysis of weldments, SSN College of Engineering, February 2014
- Recent trends in system simulation, Dept. of Production Engg / NIT, Trichy, 1-2 August 2013.
- Modeling of manufacturing processes, Dept. of Production Engg / NIT, Trichy, 25-27 July

2013

- AICTE & BARC sponsored short term course on "MICROMANUFACTURING", IIT Kanpur, 5-12 November 2012
- Art of journal and thesis writing, Sri Sai Ram Engg. college 19 January 2012
- Advances in Austenitic Stainless Steels, Dept. of Metallurgical Engg. / PSG Tech., 24th September 2011.
- Research trends in composite materials, Dept. of Mech. Engg. / Velammal Engineering College, 27th August 2011.
- Sustainable Materials: Challenges and Opportunities in Polymer composites Engineering, Dept. of Manufacturing Engg. / Annamalai University, 4th March 2011
- Nanomaterials, Dept. of Mech. Engg. / Sri Venkateswara Engg. College, Sriperumbudur, 21st August 2010.
- Research Methodology, Dept. of Mech Engg. / NIT Calicut, 14-19 June 2010
- Application of Taguchi Method for Research simplification, Dept. of Mech Engg. / SSN College of Engineering, Chennai, 19th February 2010.
- Quantitative research techniques for engineers and researchers, Dept. of Mech Engg. / NIT Trichy, 21st December 2009 – 2nd January 2010.
- Advances in manufacturing technology, Dept. of Production Engg. / MIT, Anna University, 10th March 2007.
- Convener, "National conference on Advances in Mechanical Engineering, NCAME2016, April 29th 2016 held at SRM Kattankulathur.
- Coordinator, 2nd International conference on Advanced Mechanical Engineering" ICAME'08 2018, in SRM IST.

Achievements and Awards:

- Recognition for achieving 100 % pass during Anna University, 2004
- Reward for publishing paper at teachers day celebrations, SRM University, 2006

Memberships:

- Madras Metallurgical Society, 2006
- Society for Failure Analysis, 2008
- Indian Society for Technical Education, 2002
- Indian Science Congress Association, 2016
- Society for Automotive Engineers, 2016

POSITIONS HELD

Academic:

1. Professor – in - Charge, I Year Mechanical Engineering, 2014-2016.
2. Deputy Head, Mechanical Engineering Department, Dept. of Mech. Engg., since February 2016.
3. Advisor, Mechanical Engineering Association, SRM Institute of Science and Technology.

Co-Curricular:

- a. Deputy Warden, TRS Hostel, SRM University 2001-2003
- b. Domain coordinator, Aaruush 2013, SRM University.

- c. Advisor, Tamizh Perayam, SRM Institute of Science and Technology.
- d. Warden, SRM University Hostels 2017-2018

OTHERS

- Member, Board of Studies, Faculty of Mechanical Engineering, Vinayaka Missions University, Salem.
- Member, Advisory Committee, Int. Conf. on Advanced Materials and Processing, MIT, Chrompet, Chennai.
- Committee member in International Conference on "International conference on Advanced Manufacturing Engineering" ICAME'06 2006
- Organizing Committee member in International Conference on "Asian Symposium on Visualization" ASV 2010 organized in SRM IST.
- Organizing Committee member in Indian science congress association, 2012.
- Member, Advisory Committee, Int. Conf. on Advanced Materials and Processing, Sri Sairam Institute of Technology, West Tambaram, Chennai.
- Member of viva voce committee, Ph.D, Bharath University, Tambaram.
- Doctoral committee member for Anna University, Vel Tech University, St. Peters, Bharath University
- Session Chairman in International Conference on Design automation and CIM held at Sri Sairam Institute of Technology, West Tambaram, 2013.
- Recognized Ph.D Supervisor of SRM Institute of Science and Technology.

Community Services:

- Organized blood donation camp for SRM Blood bank and Chengalpet medical college and collected 190 units of blood.
- Organized NSS day on 24th September 2016 organizing different events for students to demonstrate their skills through speech, drama, songs etc towards socially relevant topics.
- Organized special camp at Kavanur between in the year 2017-2018
- Organized blood donation camp for SRM Blood bank, collected 115 units of blood.
- Organized skill development course for school children and unemployed youth on Meditation, spoken English, AutoCAD, MS-Office.
- Organized 15 days spoken English for SRM University non teaching staff between 30th June and 14th July
- Organized one day Workshop on Disaster management in association with Indian red cross society on 23-10-2017
- Organized blood donation camp for VHS Blood Bank, Taramani in association with Rotary Club Besant nagar Madras and collected 207 units of blood on 10th January 2018.
- Organized Young Voters awareness day on 1st February 2018.
- Organized blood donation camp for Stanley Medical College blood bank, Chennai and SRM Blood bank on 31st January 2019 and collected 207 units of blood on 10th January 2018.

- Organized blood donation camp for SIMS Hospital blood bank, Chennai and VHSS blood bank in association with Rotary club Besant nagar, Chennai on 31st January 2019 and collected 207 units of blood on 10th January 2018.
-