



Faculty Profile

Full name with Qualification, Designation and Department:					
Mr. R.Tamilselvan, M.E., (Ph.D)					
Assistant Professor, Mechanical Engineering.					
Date of birth	:	14.07.1992	Gender	:	Male
Nationality	:	Indian	Marital status	:	Single
Address for correspondence	:	261, S V Colony, Linganoor, Vadavalli, Coimbatore - 641041	Permanent address	:	261, S V Colony, Linganoor, Vadavalli, Coimbatore - 641041
Mobile no	:	9677511885	e-mail (official)	:	tamilselvanr.me@srit.org
Landline	:		e-mail (personal)	:	tamilselvanrathinasamy@gmail.com
Date of joining	:	26.05.2016	Post of joining	:	Assistant professor
No of promotions since D.O.J	:	Nil	Present post	:	Assistant professor
Present pay scale	:	15600-39100	Gross pay	:	38666
Employee ID	:	1516	Bank account No. (Salary credited)	:	500101010981099
P.F. No	:	TE288 TN /CBE/56764/763	Group Insurance No	:	AG00059675000102
PAN Number	:	APXPT6510N	Aadhar Number	:	387830964676
AICTE ID	:	1-3203364802	AICTE Institution ID	:	1-7841521

Educational Qualification

Degree	Specialization	Year of Passing	Name of the College	Name of the University	Class Obtained
UG	Mechanical Engineering	2013	SNS College of Technology	Anna university	First class
PG	Thermal Engineering	2016	Sri Ramakrishna Engineering College	Anna university	First class with distinction
Ph.D					
Others					

Registration for Ph.D. with area of interest: Internal Engine

Year of Ph.D. Registration: Jan 2017

Year of Ph.D. Completed:

Thesis Title:

Supervisor Recognition Number:

Ph.D. Scholar Details

S.No.	Name of the scholar	Registration details	College	Status
	-			

Academic Experience

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Sri Ramakrishna Institute of Technology, Coimbatore.	Assistant Professor	26.05.2016	Till Date	7	5	28
Total				7	5	28

Industrial Experience

Name of the Organization	Designation	Nature of Work	Joining Date	Relieving Date	Experience		
					Years	Months	Days
Nil							
Total							

Courses Handled

Academic Year	Semester	Course Code	Course Name	Type of Course (T / L)	Pass Percentage
2022-2023	I	20MEG01	Engineering Graphics	L	100
2022-2023	V	20ME016	Engineering Metrology and Quality Control	T	86
2022-2023	V	20ME019	Metrology Laboratory	L	100
2022-2023	VII	UMEE210	Process Planning and Cost Estimation	T	95
2022-2023	II	20MEG01	Engineering Graphics	L	100
2022-2023	IV	20ME011	Thermal Engineering Laboratory	L	100
2022-2023	VI	20AC002	Constitution of India	T	100
2022-2023	VIII	UMGG001	Entrepreneurship Development	T	98
2021-2022	I	20MEG02	Engineering Workshop	L	100
2021-2022	VII	UMEE210	Process Planning And Cost Estimation	T	84
2021-2022	I	20MEG02	Engineering Workshop	L	100
2021-2022	VI	UMEC101	Automobile Engineering	T	86
2020-2021	VII	UMEE210	Process Planning And Cost Estimation	T	85
2020-2021	VII	UMEC017	Final Year Project – Phase I	L	100
2020-2021	II	20MEG02	Engineering Workshop	L	100

2020-2021	VI	UMEC101	Automobile Engineering	T	75
2020-2021	VIII	UMEC018	Final Year Project – Phase I	L	100
2019-2020	V	UMEC010	Engineering Metrology And Measurements	T	93
2019-2020	III	UMEC001	Engineering Thermodynamics	T	63
2019-2020	VI	UMEC101	Automobile Engineering	T	100
2019-2020	VI	UMEC015	Integrated Design Project	L	100
2018-2019	VII	ME6012	Maintenance Engineering	T	92
2018-2019	III	UMEC001	Engineering Thermodynamics	T	75
2018-2019	VI	ME6512	Thermal Engineering-II Laboratory	L	100
2018-2019	VIII	ME6016	Advanced IC Engines	T	88
2017-2018	VII	ME6012	Maintenance Engineering	T	91
2017-2018	VI	ME6512	Thermal Engineering-II Laboratory	L	97
2017-2018	VIII	ME6016	Advanced IC Engines	T	74.6
2017-2018	VIII	ME6811	Project Work		100
2017-2018	VII	ME6012	Maintenance Engineering	T	91
2017-2018	II	UICE015	Engineering Workshop	L	100

Projects Guided

Academic Year	Semester	Project Title	UG / PG
2022-2023	VII	Performance On Solar Air Heater Using Angular Fins With Aluminium Scrabs	UG
2022-2023	VII	Performance On Solar Air Heater Using Fins With Graphite Coating	UG

2021-2022	VII	Experimental Investigation Of Performance And Emission Characteristics Of Diesel Engine Using Biofuel	UG
2020-2021	VII	Design And Analysis Of Two Wheeled Self-Balancing Robot	UG
2019-2020	VII	Design And Fabrication Of Double Pass Solar Air Heater With “S” Shaped Ribs	UG
2018-20219	VII	Design And Fabrication Of Automobile Head Lamp Powered By Thermo Electric Generator	UG
2017-2018	VII	Design And Fabrication Of Double Pass Solar Air Heater	UG
2017-2018	VII	Performance Analysis Of Inclined Solar Still With Fins	UG

Publications

Publications	SCI / Scopus / Web of Sciences	Others
Journal	6	8
Conferences	0	12

Journal Publications (IEEE format)

1. Tamilselvan, R., & Periyasamy, S. (2022). A novel investigation in the performance, combustion and emission characteristics of variable compression ratio engine using bio-diesel blends. *Journal of Mechanical Science and Technology*, 36(4), 1729-1738.
2. R Tamilselvan, I Karthikeyan, P Vijian “Performance and Emission Characteristics of Mahua Biodiesel blends”, *IOP Conf. Series: Materials Science and Engineering* 932 (2020) 012131 doi:10.1088/1757-899X/932/1/012131.
3. R. Thirunavukkarasu R. Tamilselvan, S. Periyasamy, “Experimental Investigation on Biofuel Extraction from Silk Cotton seed Oil and Its Characterization”, *Journal of Advancements in Material Engineering*, Volume-5, Issue-1,2020.
4. Thirunavukkarasu, R., Tamilselvan, R., Karthickmunisamy, T., Veeramanikandan, M. and Sathish, D., 2018. Experimental Investigation of Performance and Emissions Characteristics of a Diesel Engine with Pongamia Biodiesel and Diesel Blends. *Applied Mechanics and Materials*, 877, pp.397-402.

5. R. Tamilselvan, R. Rameshbabu, R. Thirunavukkarasu, Dr. Periyasamy, "Effect Of Fuel Injection Timing on Performance and Emission Characteristics of Ceiba Pentandra Biodiesel", *Materials Today: Proceedings* (Elsevier) 5 (2018) 6770–6779.
6. R. Tamilselvan, G. Anbarasu, "Effect of Compression Ratio on Performance and Emission Characteristics of Ceiba Pentandra Biodiesel", *International Journal of Applied Engineering Research*, ISSN 0973-4562 Vol. 11 No.3 (2016).
7. M. Mahendran, R. Tamilselvan, R. Prakash "Effect of Single and Three Hole Fuel Injector Nozzle on Performance and Emission Characteristic of Diesel on a VCR Engine", *Journal of Applied Sciences Research* on 2015 December; 11(23): pages 93-99.
8. Tamilselvan R, Praveen U, Saravanan A, Selvakannan K, Venkata prasanth D, "Design and Construction of Double Pass Solar Air Heater With Jet Impingement", *International Journal of Innovative Research Explorer*, ISSN NO: 2347-6060.
9. Sathish D, Veeramanikandan M, and Tamilselvan R, "Design and fabrication of single slope solar still using metal matrix structure as energy storage", *Materials Today Proceedings*, Elsevier, <https://doi.org/10.1016/j.matpr.2019.07.709>, 2019
10. Sathish D, Veeramanikandan M, Karthickmunisamy T, Thirunavukkarasu R and Tamilselvan R, "Experimental investigation on portable mini solar pond using sodium chloride salt", *ICECCT'17*, IEEE, DOI:10.1109/ICECCT.2017.8118003, 2017
11. Sathish D, Veeramanikandan M, Thirunavukkarasu R, Tamilselvan R and Karthickmunisamy T, "Thermal performance on portable mini Solar Pond using NaCl and Coal Cinder", *Applied Mechanics and Materials*, ISSN: 1662-7482, Vol. 877, pp 430-435, 2017
12. Sathish D, Veeramanikandan M and Tamilselvan R, "Experimental Study on Portable Mini Solar Pond Using Salt and Pebbles", *International Journal of Chemical Sciences*, Vol.15 No.2, 2017
13. Sathish D, Veeramanikandan M, Thirunavukkarasu R, Tamilselvan R and Karthickmunisamy T, "Performance of Solar Water Heating System on Different Tube Arrangements (Review)", *International Journal of ChemTech Research*, Vol.10 No.3, pp 705-713, 2017
14. Veeramanikandan M, Sathish D and Tamilselvan R, "Effective Study on Domestic Application of Hybrid Photovoltaic-Thermal (PV/T) System", *International Journal of ChemTech Research*, Vol.10 No.5, pp 699-702, 2017

Conference Publications (IEEE format)

1. R.Tamilselvan, "Performance and Emission Characteristics of Mahua Bio Diesel Blends" 1st International Conference of Science, Engineering and Technology 2020 (ICSET2020), University Malaysia Perlis, Malaysia. (27 Feb 2020)
2. R.Tamilselvan, "A Review on Effects of Nano Additives with Pongamia Biodiesel in CI Engine Performance and Emissions Characteristics" International Virtual Conference of Recent Innovations in Science, Engineering and Technology (IVCRISET-2020)" Department of Mechanical Engineering, M.Kumarasamy College of Engineering on 03.07.2020 & 04.07.2020.
3. R.Tamilselvan "Design and fabrication of single slope solar still using metal matrix structure as energy storage", AICTE Sponsored First International Conference on Recent Advances in

Materials and Manufacturing (ICRAMM 2019), KLE Dr. M.S. Sheshgiri college of Engineering and Technology, Belagavi, Karnataka.

4. R. Tamilselvan "Safety Braking System Using Micro Controllers", International Conference on Innovative Engineering Initiative-2019, SRM TRP Engineering College, Tiruchirappalli.
5. Tamilselvan R, Praveen U, Saravanan A, Selvakannan K, Venkata prasanth D, "Design And Construction Of Double Pass Solar Air Heater With Jet Impingement", 8th National Conference on Emerging Trends in Mechanical Engineering (NCETME'18), SNS College of Technology.
6. R. Thirunavukkarasu, R. Tamilselvan, T. Karthickmunisamy, M. Veeramanikandan, Sathish.D, "Investigation of Emissions and Performance Characteristics of a CI Engine with Pongamia Pinnata oil Methyl Ester and Diesel Blends", 2017 International Conference on Advanced Computing and Communication Systems (ICACCS -2015), IEEE ISBN No. 978-1-5090-4558-7, 833-838.
7. R. Tamilselvan, R. Thirunavukkarasu, D. Sathish, T. Karthickmunisamy, M. Veeramanikandan, "Biodiesel Production from Ceiba Pentandra Oil and Its Characterization", 2017 International Conference on Advanced Computing and Communication Systems (ICACCS -2015), IEEE ISBN No. 978-1-5090-4558-7, 889-893.
8. R. Tamilselvan, Gurunathan. R, Harish Kumar. J, Jayaprakash. A, Jewin Samuel. J, "Experimental Analysis of Double Pass Solar Air Heater with and without Sensible Storage Media", NCETSETMA'17, Nehru Institute of Engineering and Technology, Coimbatore.
9. R. Tamilselvan, Praveenkrishna P, Poovarasana P, Sanjay Nivas T, Selvakannan K "Experimental Investigation of Double Pass Solar Air Heater", RAMTDE'2017, Sri Ramakrishna Institute of Technology, Coimbatore.
10. R. Tamilselvan, R. Ramesh Babu, R. Thirunavukkarasu, Dr. S. Periyasamy, "Effect of Fuel Injection Timing on Performance and Emission Characteristics of Ceiba Pentandra Bio Diesel" IMME17, National Institute of Technology, Tiruchirappalli.
11. Tamilselvan. R, Thirunavukkarasu. R, Sathish. D, Karthickmunisamy. T, Veeramanikandan. M, "Effect of Low Proportion Kapok Biodiesel Blend on Performance, Combustion and Emission Characteristics of a Diesel Engine" International Conference on Recent Advances in Materials, Mechanical and Civil Engineering ICRAMMCE-2017, Marri Laxman Reddy Institute of Technology and Management, Hyderabad.
12. R. Tamilselvan, R. Thirunavukkarasu, D. Sathish, T. Karthickmunisamy, M. Veeramanikandan, "Biodiesel Production From Ceiba Pentandra Oil And Its Characterization", ICACCS'2017, Sri Eshwar College of Engineering, Coimbatore.

Books / Book Chapters (IEEE format)

1. Thermal Engineering-I Laboratory Manual Published by Scholars-press Publisher ISBN 978-613-8-83786-2.
2. Thermal Engineering Laboratory II Manual Published by Xpress Publisher ISBN 978-1-64546-200-2.

3. Engineering Metrology and Measurements Laboratory Manual Published by Xpress Publisher ISBN 978-1-64760-5377.
4. Simulation and Analysis Laboratory Manual Published by Xpress Publisher ISBN 978-1-64760-2451.

Sponsored Research

Project Title	Funding Agency	Amount Rs.	Duration
Nil			

Consultancy

S. No.	Organization/ Agency	Nature of Work	Amount in Rs.	Year
	Nil			

Workshops / Seminars attended

1. Participated in One day online workshop on “Design Thinking for Next Industrial Revolution - Industry 4.0” organized by Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam during 22.06.2020.
2. Participated in One day online workshop on “Dimensional Issues & Challenges of Intellectual Property Rights” organized by Dr. Rajendra Prasad Law Institute Kumaun University, Uttarakhand during 22.06.2020.
3. Participated in One day workshop on “Practice on Engineering Graphics – Hands on Training” organized by Bannari Amman Institute of Technology, Sathyamangalam
4. Participated in One day online workshop on “Renewable Energy using MATLAB” organized by GCE, Thanjavur, during 16.05.2020.
5. Participated in One day online workshop on “Robotic Process Automation” organized by Sridevi Women’s Engineering College, Telangana during 09.06.2020.
6. Participated in One day online workshop on “Machining of Titanium alloys using various Technologies” organized by Francis Xavier Engineering College, Tirunelveli during 13.06.2020.

Faculty Development Program attended (from recent)

1. Participated in One Week A Online TAL FDP on “Energy Engineering” organized by Shri Mata vaishno Devi University, Jammu & Kashmir from 21.09.2021-25.09.2021

2. Participated in One Week Online ATAL FDP on “Organizational Behaviour” organized by Makhan Lal National University of Journalism and Communication, Madhya Pradesh from 14.09.2021-18.09.2021
3. Participated in One Week Online ATAL FDP on “Role of Renewable Energy Sources in Power System” organized by Government Engineering College, Patan. from 05.07.2021-09.07.2021.
4. Participated in One Week Online FDP on “Technological Advancements in Mechanical Engineering” organized by Balaji Institute of Technology Sciences, Telangana from 29.06.2020 – 03.07.2020.
5. Participated in One Week Online FDP on “Recent Innovations in Mechanical Engineering” organized by SASI Institute of Technology and Engineering, Andhra Pradesh from 13.07.2020 – 17.07.2020.
6. Participated in One Week Online FDP on “Scilab” organized by St. Peter’s Engineering College Association With IIT-Bombay, Chennai from 15.06.2020 – 19.06.2020
7. Participated in One Week Online AICTE sponsored Short Term Training Programme (STTP) on “Smart Manufacturing – Opportunities & Challenges” organized Department of Mechanical Engineering, by St. Joseph’s Engineering College, Chennai from 25.05.2020 to 29.05.2020.
8. Participated in One Week FDP on “ME 8593 Design of Machine Elements” organized by Department of Mechanical Engineering, University College of Engineering, Kancheepuram, from 10.06.2019 to 15.06.2019.
9. Participated in One Week FDP on “AT6503 – Vehicle Design and Data Characteristic” organized by Department of Automobile Engineering, Anna University – MIT Campus, Chennai from 01.06.2018 to 08.06.2018.

Events Organized (from recent)

Conference: NIL

FDP: NIL

Workshops: NIL

Seminars: NIL

Online Courses Completed

Sl. No.	Title	Platform
1.	Engineering Thermodynamics	NPTEL
2.	Effective Engineering Teaching In Practice	NPTEL

3.	Leadership	NPTEL
4.	Steam and Gas Power System	NPTEL
5.	Engineering Metrology	NPTEL
6.	Fundamentals of Automotive Systems	NPTEL
7.	Leadership Development for Engineers	Coursera
8.	Six Sigma Yellow Belt	Coursera
9.	Material Processing	Coursera
10.	Autodesk CAD/CAM/CAE for Mechanical Engineering	Coursera
11.	Six Sigma Green Belt	Coursera
12.	University Teaching	Coursera
13.	Performance Assessment in the Virtual Classroom	Coursera
14.	Advanced Instructional Strategies in the Virtual Classroom	Coursera
15.	Leadership Development for Engineers	Coursera
16.	Cyber Security in Manufacturing	Coursera
17.	Emerging Trends & Technologies in the Virtual K-12 Classroom Coursera	Coursera
18.	Orientation towards Technical Education & Curriculum Aspects	NITTT
19.	Professional Values, Ethics, Ecology & Sustainable Development	NITTT
20.	Communication Skills, Modes and Knowledge Dissemination	NITTT
21.	Instructional Planning and Delivery	NITTT
22.	Technology Enabled Learning and Lifelong Self-learning	NITTT
23.	Effective Modes of Student Assessment and Evaluation	NITTT
24.	Creative Problem Solving, Innovation and Meaningful R&D	NITTT
25.	Miscellaneous Aspects (Institutional Management & Administrative Procedures)	NITTT

Awards and Recognitions Secured

Nil

Self-appraisal**Major Strengths**

1. Hard Work
2. Honesty
3. Commitment towards work

Major Weakness

1. Trouble with Delegation
2. Lack of Tactfulness
3. Timidity

Signature