

T.MOTHILAL
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Objective

To develop the Department / Institute to the global standards by excelling the dedicated and sincere service and to grow with the organization.

Educational Qualification

Degree	Specialization	University /College	Year of Passing	Class
Ph.D	Thermal Engineering	Anna University	2017	-
M.E.,	Internal Combustion Engineering	Anna University	2006	I
B.E.,	Mechanical	Madras University	1999	I

Teaching Experience

Sl. No	Designation	Institution	Period		No. of years
			From	To	
1	Professor	KCG College of Technology	1 st Apr 2019	Till date	3.8
2	Professor	Velammal Institute of Technology	16 th Jun 2017	31 st Mar 2019	1.9
3	Associate Professor	T J S Engineering College	29 th Apr 2014	30 th Apr 2017	3.0
4	Assistant Professor	T J S Engineering College	1 st July 2011	29 th Apr 2014	2.10
5	Assistant Professor	Velammal Institute of Technology	28 th Aug 2008	31 st May 2011	2.9
6	Senior Lecturer	Saveetha Engg. College	17 th Aug 2006	22 nd Aug 2008	2.0
7	Lecturer	Thangavelu Engg. College	30 th July 2003	28 th July 2006	3.0
8	Lecturer	Raja Rajeswari Engg. College	27 th Aug 2000	29 th July 2003	3.0

Total Teaching Experience = 23 years

Sl. No.	Description	Count
1	Publication	
	Journal	34
	Book	02
	Book Chapter	01
2	Paper Presentation	20
3	Patent	07
4	Awards	
	Best Paper Award	04
	NPTEL Star Award	03
5	Online Course	
	NPTEL	13
	COURSERA	05
	eDX	01
	ISIE India	02
6	Guest Lecture Resource Person	04
7	Seminar / Webinar Organized	08
8	FDP Organized	03
9	Workshop Organized	11
10	Question paper setting (No of college/university)	05
11	Approved supervisor in Anna University, syllabus framing committee member	Automobile board

Ph.D

Title : Numerical & experimental analysis of holdup mass & heat transfer rate in a solid cyclone heat exchanger

Publications

International Journals

- 1 **T Mothilal** and Pitchandi K:Effect of mass flow rate of inlet gas on holdup mass of Solid cyclone Heatexchanger, **Applied Mechanics and Materials**, [DOI:10.4028/www.scientific.net/AMM.592-594.1498](https://doi.org/10.4028/www.scientific.net/AMM.592-594.1498), vol. 592-594, pp. 1498-1502, ISSN 1660-9336, (**Annexure**)
- 2 **T. Mothilal** and K. Pitchandi - Influence of inlet velocity of air and solid particle feed rate on holdup mass and heat transfer characteristics in cyclone heat exchanger, **Journal of Mechanical Science and Technology**, Springer publication, DOI 10.1007/s12206-015-0950-z,Impact factor 0.76, vol. 29, no. 10, pp. 4509 – 4518, ISSN 1738-494X, 2015 (**Annexure**).
<http://dx.doi.org/10.1007/s12206-015-0950-z>
- 3 **T.Mothilal**, V.Velukumar, K.Pitchandi, M.Selwin Immanuel -Effect of cyclone height on holdup mass and heat transfer rate in solid cyclone heat exchanger-CFD Approach, **ARPJournal of Engineering and Applied Sciences**, vol. 11, no. 2, pp. 1269-1275, ISSN 1819 – 6608,2016 (**Annexure-II**).
2016<http://dx.doi.org/10.1504/IJCAET.2018.10009683>
- 4 **T. Mothilal** and K. Pitchandi - Effect of particles density on holdup mass and heat transfer rate in solid cyclone heat exchanger, **ARPJournal of Engineering and Applied Sciences**, vol. 11, no. 2, pp. 1293-1297, ISSN1819 – 6608, 2016(**Annexure-II**)
- 5 **T. Mothilal**and Pitchandi Kasiviswanathan - Computational fluid Dynamic Analysis on the effect of particle density and body diameter in a tangential inlet cyclone heat exchanger’, **Thermal science**,[DOI 10.2298/TSCI151105055T](https://doi.org/10.2298/TSCI151105055T), Impact factor 1.45, ISSN 0354-9836, (**Annexure –I**.)

- 6 **T. Mothilal** and K. Pitchandi :Effect of Vortex Finder Dimension on Holdup mass and Heat transfer rate in Cyclone Heat Exchanger-CFD approach', **International journal of Computer Aided Engineering and Technology**, Inderscience, ISSN 1757-2665, Vol.10 No.1/2 pp. 66-75 [DOI :10.1504/IJCAET.2018.10009683](https://doi.org/10.1504/IJCAET.2018.10009683)(Annexure – II).
- 7 **T.Mothilal**, V.Velukumar, K.Pitchandi, M.Selwin Immanuel :Influence of vortex finder diameter and cone tip diameter on holdup mass and heat transfer rate in cyclone- A CFD Approach , **International Journal of Applied Engineering Research**, Vol. 10 No.33 (2015), pp. 25890 – 25897 (Annexure – II).(research
- 8 **T.Mothilal**, V.Velukumar, K.Pitchandi, M.Selwin Immanuel-Effect of vortex finder diameter and inlet height on holdup mass and heat transfer characteristics in cyclone heat exchanger - A CFD Approach, **International Journal of Applied Engineering Research**, Vol. 10 No.77 (2015), pp. 268 – 272 (Annexure – II). <http://dx.doi.org/10.1504/IJCAET.2018.10009683>
- 9 **T.Mothilal, et al** Performance Enhancement of a Diesel Engine by Providing Insulation on Engine Parts- **International Journal of Design and Manufacturing Technologies**, Vol 3, No 2 (2009), pp. 63-67 <http://dx.doi.org/10.18000/ijodam.70064>
- 10 **T.Mothilal, et al** Design of Turbocharger In Petrol Engine with Intercooler And Discharger Chamber, **International Journal of Latest Engineering & Management Research** ISSN: 2455-4847 , Volume 02 - Issue 12, December 2017 , PP. 81-87
- 11 **T. Mothilal, et al**Experimental Analysis on Diesel Engine fueled with Nerium biodiesel oil and Diesel, **American Journal of Engineering Research (AJER)** e-ISSN: 2320-0847 , ISSN : 2320-0936 ,Volume-6, Issue-12, pp-29-34

- 12 **T.Mothilal, et al** CFD And Statistical Approach For Optimization Of Operating Parameters In A Tangential Cyclone Heat Exchanger , **Journal of Applied Fluid Mechanics** Vol. 11, No. 2, pp. 459-466, 2018., ISSN 1735-3572, EISSN 1735-3645. (Annexure –I.)<https://dx.doi.org/10.29252/jafm.11.02.27791>

- 13 **T.Mothilal, et al** Design and thermal analysis of coated and uncoated exhaust manifold , **International Journal of Ambient Energy**, ISSN 0143 – 0750.DOI: 10.1080/01430750.2018.1456969<https://doi.org/10.1080/01430750.2018.1456969>

- 14 **T.Mothilal, et al.** Design of compound pulse- jet engine ,**International Research Journal of Automotive Technology** Vol 1(2), pp 16-21,2018

- 15 **T.Mothilal, et al.** Experimental and Numerical analysis of wind turbine , **International Research Journal of Automotive Technology**, Vol 1(2), pp 01-08, 2018.

- 16 **T.Mothilal, et al.** Structural and statistical analysis of horizontal spherical end pressure vessel , **International Journal of Pure and Applied mathematics**, Vol 119, No 12 PP 13493-13501,2018.

- 17 **T.Mothilal, et al.** CFD Analysis of different blades in vertical axis wind turbine, **International Journal of Pure and Applied mathematics**, Vol 119, No 12 PP 13545-13551, 2018.

- 18 **T.Mothilal, et al.** Error proof analysis of center pillar inner assembly by using pneumatic system, **International Journal of Pure and Applied mathematics**, Vol 119, No 12, PP 13933-13937, 2018.

- 19 **T.Mothilal, et al.** Static Analysis of connecting rod in a single cylinder diesel engine, **International Journal of Pure and Applied mathematics**, Vol 119, No 12, PP 14037-14043,2018
- 20 **T.Mothilal,et al.** Modal and kinematic Analysis of connecting rod for different material, **International Journal of Pure and Applied mathematics**, Vol 119, No 12, PP 14599 -14608, 2018
- 21 **T.Mothilal,et al.**Thermal Analysis of shell and tube heat exchanger, **International Journal of Pure and Applied mathematics**, Vol 119, No 12, PP 14299 -14306, 2018.
- 22 **T.Mothilal,et al** Investigation on the effect of TiO₂ Nanoparticle additives on the properties of 10W-40 Engine, **International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)**, ISSN (P): 2249-6890; ISSN (E): 2249-8001 Vol. 8, Issue 4, pp 1187-1196 , August 2018.transteller publication - scopus
- 23 **T.Mothilal, et al** CFD analysis of double pipe heat exchanger with baffles using cuo/water nanofluids, **Engineering Reports** ,Vol2, issue 1 pp 24- 29 (Google scholar) 2018
- 24 **T.Mothilal, et al**Desalination using magnetron , **International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)**, ISSN (P): 2249-6890; ISSN (online): 2249-8001 Vol. 9, Issue 3, pp 983- 992, June 2019, transteller publication , scopus
25. **T.Mothilal, et al**published paper on Effect of silicon coupling grafted ferric oxide and E – Glass fibre in thermal stability , wear and tensile fatigue behaviour of eboxy hybrid composite **Silicon, Springer** publication <https://doi.org/10.1007/s12633-019-00347-7>ISSN (P): 1876- 990X ; ISSN (online): 1876 – 9918
(Web of science, Scopus)

26. **T.Mothilal, et al** “Thermal and flexural properties of caryota urens palms fiber – reinforced polyester composites” , **A Journal of Composition Theory**, Vol XIII , Issue 1 , ISSN 0731 – 6755, PP 301-312, Jan 2020
- 27.**T.Mothilal, et al** “Heat transfer analysis of thermoelectric generator at the focus of solar parabolic dish” , **Journal of Xi'an University of Architecture & Technology**, Vol XII , Issue v , ISSN 1006 – 7930, , PP 275-281, May 2020 (scopus)
<https://doi.org/10.37896/JXAT12.05/1428>
28. **T.Mothilal, et al** “Performance of solar parabolic dish thermoelectric generator with PCM”,**Materials Today: Proceedings**, (Web of science,Scopus)
Vol.37, Part 2 pp. 929- 933, 2021
<https://doi.org/10.1016/j.matpr.2020.06.123>
- 29.**T.Mothilal, et al** “Performance and emission characteristics of diesel blended with sweet lime peel oil and corn oil”, **AIP Conference Proceedings**, PP 020036-1 - 020036-10, Oct 2020 (scopus)
<https://aip.scitation.org/doi/pdf/10.1063/5.0024898>
- 30 **T.Mothilal, et al** “Analysis on mechanical properties of wood plastic composite”,**AIPConference Proceedings**, PP 020037-1–020037-11, Oct 2020 (scopus)
<https://doi.org/10.1063/5.0024893>
31. **T.Mothilal, et al**“Emission characteristics study of Gasoline-Diesel and Gasoline-Diesel/pentanol blend”,**IOP Conf. Series: Materials Science and Engineering**,2020
988(2020)012050 doi:10.1088/1757-899X/988/1/012050
- 32 **T.Mothilal, et al** “Mechanically toughened EMI shielding natural rubber composite in microwave frequency bands”, **Plastics,Rubber and Composites**, 2021 (Web of science, Scopus),Vol.50, Issue 5 pp. 241- 248 ,2021

<https://doi.org/10.1080/14658011.2021.1890514>

33. **T.Mothilal, et al** Experimental investigation on emission characteristics of diesel n-pentanol blend in homogeneous charged compression ignition engine **International journal of vehicle structure and systems** Vol.13 Issue 3, pp. 309- 313

[DOI:10.4273/ijvss.13.3.1](https://doi.org/10.4273/ijvss.13.3.1)

34. **T.Mothilal, et al** Experimental investigation on physical properties of banana/E-glass fiber reinforced hybrid Interpenetrating Polymer network composites, **Materials Today Proceedings** Vol.45 Part 6 pp. 5029-5033,2021

<https://doi.org/10.1016/j.matpr.2021.01.500>

35. **T.Mothilal, et al** Influence of nano titanium oxide reinforced Al-7075 matrix composites in stir casting method,

Materials Today Proceedings Vol.69 Part 3 pp. 1381-1386 ,2022

<https://doi.org/10.1016/j.matpr.2022.09.202>

36. **T.Mothilal, et al** Effect of walnut powder reinforcement on the mechanical properties of biodegradable natural flax/hemp fibre-based composites

Materials Today Proceedings Vol.69 Part 3 pp. 1387-1393 ,2022

<https://doi.org/10.1016/j.matpr.2022.09.203>

37. **T.Mothilal, et al** Adhesion and wear behaviour of bagasse biochar reinforced epoxy composite

Materials Today Proceedings 2023

<https://doi.org/10.1016/j.matpr.2023.02.441>

38. **T.Mothilal, et al** Three-point bending and ILSS of high lamina bamboo fibre and polyester resin composite

Materials Today: Proceedings 2023

<https://doi.org/10.1016/j.matpr.2023.03.006>

39. **T.Mothilal, et al** Mechanical Characterization of Friction-Stir-Welded Aluminum AA7010 Alloy with TiC Nanofiber **Advances in Materials Science and Engineering**

Materials Today: Proceedings Vol.2023,Article ID 1466963

<https://doi.org/10.1155/2023/1466963>

40. **T.Mothilal, et al** Evaluation of Mechanical Behaviour of Multiwalled Nanotubes Reinforcement Particles in Jute-Glass Fibres Hybrid Composites **Advances in Materials Science and Engineering**

Materials Today: Proceedings,Vol.2023,Article ID 2219460<https://doi.org/10.1155/2023/2219460>

International Conferences

1. Presented a paper entitled '**Numerical and Statistical analysis of inlet parameters in a solid cyclone heat exchanger**' in International Conference on Advances in Biotechnology, Civil& Mechanical Science (ICABCMS-2017) – Selvam College of Technology, Namakkal on 17 &18 March 2017.
2. Presented a paper entitled '**Influence of inlet velocity of air and solid particle feed rate on holdup mass and heat transfer characteristics in cyclone heat exchanger**' at Sri Venkateswara College engineering, Chennai on Faculty Research Day -28 April 2016
3. Presented a paper entitled '**Numerical and Statistical analysis of inlet parameters in a solid cyclone heat exchanger**' in National conference on CRAMS-2016 at KarpagaVinayaga College of Engineering and Technology during 4 & 5 February 2016
4. Presented a paper entitled '**Effect of cyclone height on holdup mass and heat transfer rate- CFD Approach**' at International Conference on Modelling, Simulation and Control (ICMSC-2015) – Karpagam College of Engineering, Coimbatore-32 on 15 &16th October 2015.
5. Presented a paper on topic '**Effect of Mass Flow Rate of inlet gas on Holdup Mass of Solid Cyclone Heat Exchanger**' at International Mechanical Engineering Congress - 2014 (IMEC 2014) at NIT, Trichyon 13th-15th June 2014.

6. Presented a paper entitled '**Influence of vortex finder diameter and cone tip diameter on holdup mass and heat transfer rate**' in National conference at Saveetha school of engineering on 10 April 2015.
7. Presented a paper entitled '**Effect of vortex finder dimension on holdup mass and heat transfer rate in cyclone heat exchanger-CFD approach**' at Indo-brazil bilateral international conference on advanced materials and manufacturing – ICAMM 2015 at CAPE Institute of technology, Tirunelveli on 27th March 2015
8. Presented a paper in the topic '**CFD analysis of holdup mass and residence time in cyclone solid gas heat exchanger**' in International conference on green technologies for energy management held at Mohamed Sathak Engineering College on 28th March 2015
9. Presented a paper on topic '**The effect of vortex finder diameter on holdup mass in cyclone- CFD approach**' at ICGTEPC-14, An International Conference on Green technology for environment pollution prevention and control organized by National Institute of Technology, Trichy on 27 – 29 september 2014.
10. Presented a paper on topic '**CFD investigation of holdup mass in solid cyclone heat exchanger**' at ICGTEPC-14, An International conference on green energy technology for environment pollution prevention and control organized by National Institute of Technology, Trichy on 27-29 september 2014
11. Presented a paper entitled '**Analysis of Holdupmass by Experimental method on cyclone heat exchanger**' in the National conference at Magna college of Engineering on 6th sep 2013
12. Presented a paper entitled '**CFD Analysis of holdupmass and residence time in cyclone solid – gas heat exchanger**' in International conference on Emerging Trends in Engineering and Technology at Marthanadam College engineering on 22Feb 2013
13. Presented a paper entitled '**CFD Investigation of tangential inlet cyclone heat exchanger**' in National conference at Vel Tech on 7 Sep 2012
14. Presented a paper entitled '**CFD investigation for holdup in gas-solid cyclone**' in International conference on recent advances in Mechanical Engineering at Dr.M.G.R. University on 20th April 2012

15. Presented a paper entitled '**Investigation for holdup mass and residence time for different inlet velocity in gas-solid cyclone- CFD approach**' in National conference at SKR engineering college on 30th March 2012
16. Presented a paper on topic '**Structural and statistical analysis of horizontal spherical end pressure vessel**' at International Conference on Automation and Computing Technologies (ICTACT – 18) at Vellammal Institute of Technology on 17th March – 2018(ICACTION – 18).
17. Presented a paper on topic '**CFD Analysis of different blades in vertical axis wind turbine**' at International Conference on Automation and Computing Technologies (ICTACT – 18) at Vellammal Institute of Technology on 17th March – 2018(ICACTION – 18).
18. Presented a paper on topic '**Performance and emission characteristics of diesel blended with sweet lime peel oil and corn oil**' at International Conference on Recent Trends in Mechanical & Materials Engineering – ICRTMME 2019 on 13 Dec 2019
19. Presented a paper on topic "**Analysis on Mechanical properties of wood plastic composite**" at International Conference on Recent Trends in Mechanical & Materials Engineering – ICRTMME 2019 on 13 Dec 2019
20. Presented a paper on topic "**Gasification Simulation study of saw dust**" at National conference on Advance in Mechanical Engineering (NCAME-22) at Vellammal engg college On 20-05-2022

Patent

1. Received Grant for Patent "AN APPROACH TO HETEROGENEOUS MULTI DESIGN BASED FLOOR PLANNING AWARE WITH THERMAL POWER DELIVERY" from IP Australia on 30.09.2020 and valid for eight years.
PATENT NO: 2020101942
2. Received Grant for Patent "DESIGN OF A COLLAPSIBLE AND PORTABLE LACTATION MODULE FOR MOTHERS" from IP Australia on 7.10.2020 and valid for eight years.
PATENT NO :2020102046

3. Received Grant for Patent “DESIGN AND DEVELOPMENT OF A SMART SUITE FOR ASSISTING THE PREGNANT WOMEN” from IP Australia on 7.10.2020 and valid for eight years .
PATENT NO :2020102194
4. Received Grant for patent “ANovel METHOD TO DESIGN A DYNAMO ELECTRIC VEHICLE” from IP Australia on 13 January2021 2020 and valid for eight years .
PATENT NO : 2020102727
5. Received Grant for patent “A PULSED DIRECT CURRENT (PDC) FED ELECTROCOAGULATION SYSTEM AND METHOD FOR WASTE WATER TREATMENT”from IP Australia 2021, valid for eight years .
PATENT NO 2021103245
6. Published patent “Magnetic Induction Fluid Heater and Heating Vessel in Indian patent
7. Filled patent in “Hot compression molding machine for making fiber reinforced composites” in INDIAN PATENT

[Achievements / Awards / Recognition](#)

- ✚ Got **Best paper and Best presentation award** in the International Conference on Green technology for environment pollution prevention and control organized by National Institute of Technology, Trichy on 27 – 29 September 2014
- ✚ Guided innovative projects entitled Handicapped car, Automatic car etc. making students to get **Kalam award** in Anna university and the projects has been telecasted in various TV channels viz., DD national, Puthiyathalaimurai and Vasanth TV

- ✚ Got **Best paper award** in the International conference Green technologies for energy management held at Mohamed Sathak Engineering College

- ✚ Got **Best paper award** in International Conference on Advances in Biotechnology Civil Mechanical Science (ICABCMS-2017) held at Selvam College of Technology etc.
- ✚ Got **First place award** in Sri Venkateswara College of Engineering in Faculty Research Day for presentation of paper in “Influence of inlet velocity of air and solid particle federate on holdup mass and heat transfer characteristics in cyclone heat exchanger”
- ✚ Published **book** for “**Advanced IC Engines**” from SAI PUBLICATIONS during the academic year 2015-16.
- ✚ Given **Guest lecture** in Heat and Mass transfer at Velammal Institute of Technology
- ✚ Given **Guest lecture** in Engineering graphics at RVS Padhmavathy college of engineering and technology during the academic year 2017-18.
- ✚ Published **book** for “**Engineering Practises Lab**” from MARUTHI PUBLICATIONS during the academic year 2017-18.
- ✚ Given motivational talk for CADD INDIA Employees on their annual meet on 2.4.18
- ✚ Given **Guest lecture** in **Power Plant Engineering** at Velammal Institute of Technology on 23.5.18
- ✚ Given **Guest lecture** in **Engineering Thermodynamics** at Velammal Institute of Technology
- ✚ Got NPTEL Online Certification – Elite certificate for the course -“ **Introduction to research** in Oct 2018
- ✚ Got NPTEL Online Certification – Elite certificate for the course – **Non conventional Energy Resources** in Oct 2018
- ✚ Got NPTEL Online Certification – (Elite + silver) category certificate – **Energy Conservation and Waste Heat Recovery** in Nov 2018
- ✚ Got NPTEL Online Certification – (Elite + silver) category certificate – **Effective engineering Teaching practise** in April 2019
- ✚ Got NPTEL Online Certification – (Elite + silver) category certificate for the course – **Teaching and learning in Engineering(TALE)** in April 2019.

- ✚ Got NPTEL Online Certification – (Elite + silver) category certificate for the course – **IC Engines and Gas Turbine** in April 2019.
- ✚ Awarded for the Commendable contribution in organizing Auto Show at KCG College of Technology
- ✚ Got edX Online Certification in **Upper – Intermediate English: Business** in Sep 2019.
- ✚ Got NPTEL Online Certification – (Elite + silver) category certificate for the course – **Designing learner – centric MOOCs** in Oct 2019.(Roll NONPTEL19GE19S21181313)
- ✚ Got NPTEL Online Certification – (Elite + silver) category certificate for the course – **Ethics in Engineering Practices** in Oct 2019.(Roll NONPTEL19HS35S61213173)
- ✚ Got NPTEL Online Certification – (Elite + silver) category certificate for the course – **Accreditation and Outcome Based Learning** in Oct 2019.(NPTEL19GE18S51211427)
- ✚ Participated in NPTEL Content Augmentation workshop at IIT Madras, Dec 28 , 2018 to Jan 2 ,2019 and developed assessment question and answer in renewable energy course
- ✚ Acted as Skill Assessor in District level skill competition for Automobile Technology conducted by Tamil Nadu Skill Development on 21/01/2020
- ✚ Got Coursera Online Certification for the course – **Mechanics of Materials** on 14.4.2020
- ✚ Got Coursera Online Certification for the course – **AstroTech: The Science and Technology behind Astronomical Discovery** on 22.4.2020
- ✚ Got Coursera Online Certification for the course – **Introduction to Engineering Mechanics** on 30.4.2020
- ✚ Got Coursera Online Certification for the course – **Electric vehicles and mobility** on 9.5.2020
- ✚ Got Coursera Online Certification for the course – **Self driving cars** on 13.7.2020

- ✚ Got NPTEL Online Certification – (Elite) category certificate for the course – **Introduction to Professional Scientific Communication** in Dec 2020 (Roll NO NOC20BT05S11320103
- ✚ Completed all the requirements for SWAYAM – NPTEL Domain Certificate and received **Faculty Domain – Advanced** Dec 2021
- ✚ Got “**NPTEL discipline Star**” **Award** under MULTIDISCIPLINARY category from **SWAYAM – NPTEL** on Dec 2021
- ✚ Got NPTEL Online Certification – (Elite + silver) category certificate – **Patent Law for Engineers and scientists** in 14th July 2022
- ✚ Got NPTEL Online Certification – (Elite + silver) category certificate – **Patent Drafting for Beginners** on 1st July 2022
- ✚ Got NPTEL Online Certification – **Learning Analytics Tools** on 1st July 2022
- ✚ Contributed a chapter, for the book FINITE WING THEORY- IGI Global publication on 20.1.2022
- ✚ Given **Guest lecture** in IC Engines at SRM Valliammai Engineering college on 26th December 2022
- ✚ Completed Course on Design Manufacturing & Testing of Electric Solar Vehicle Offered by ISIEINDIA on Dec 2022
- ✚ Acted as **External member** of online interview for the post of Assistant Professor in Mechanical Engineering in “College of Fish Nutrition and Food Technology”
- ✚ **Question paper setter** for Hindustan Institute of Technology Coimbatore ,SRM Easwari Engineering College, College of Fish Nutrition and Food Technology, St. Joseph’s College of Engineering, Chennai, JNTU
- ✚ Member of **Syllabus Sub Committee** for framing the curricula and syllabi for B.E. Automobile Engineering under R – 2021 by the Non Autonomous Affiliated Institutions of Anna University, Chennai
- Completed the basics of Automobile Course, conducted by ASDC and EICHER Motors on Jan 18 , 2023
- Completed the basics of electricity , conducted by ASDC and EICHER Motors on Feb 1, 2023

- Acted as the Member of the Jury for regional rounds south 2 of the IET India Scholarship Award 2023
- **Reviewer** in Thermal science Journal and Journal of Heat and Mass transfer (Elsevier)
- Approved as **supervisor** by Centre for Research, Anna University Chennai for guiding research scholars Ref No. 17.299.04
- H Index :9 I10 Index :8
- **Editorial board member** in RI Publications (IJMER)
- **SPOC** for KCG College of technology in NPTEL SWAYAM Local chapter

Conference/workshop

1. Participated in Staff development program on “**MODERN TEACHING METHOD**” at Velammal Institute of Technology during Dec 2009.
2. Participated conference on “**RESEARCH PERSPECTIVES IN MECHANICAL ENGINEERING**” on at Sri Venkateswara College of Engineering on 2nd April 2011.
3. Participated National conference on “**EVOLVING TECHNIQUES IN MECHANICAL ENGINEERING**” at Sri Venkateswara College of Engineering on 23rd August 2012.
4. Organised Design contest for Mechanical Engg students at Velammal Institute of technology
5. Organised International conference ICACT-2018 at Velammal Institute of technology
6. Participated in Carrier Advancement by Technical Teaching skill Amplification at Velammal Institute of Technology, May 2018
7. Organised faculty development training program in **POWER PLANT ENGINEERING** at Velammal Institute of technology

8. Participated in AICTE-ISTE Sponsored "One Week Induction Programme on Latest Trends in Renewable Energy Technologies" at BMS Engineering college , Bangalore, June 2018
9. Participated CSIR Sponsored national level workshop on RECENT DEVELOPMENT IN RENEWABLE ENERGY TECHNOLOGIES at SRM institute of science and technology , Sep 2018
10. Participated two days National level faculty workshop on Industrial Robotics at St. Joseph Institute of Technology , Nov 9 & 10 , 2018
11. Created channel in YouTube and uploaded 8 videos in Engineering Graphics with 84 subscribers and more than 1400 viewers
12. Organized one day workshop MECHANIC 2019 at Velammal Institute of Technology
13. Organized project expo workshop at Velammal Institute of Technology
14. Organised Guest lecture on "RECENT TRENDS IN AUTOMOTIVE TECHNOLOGIES" at KCG College of Technology 2019
15. Organized Guest lecture on "RECENT TRENDS IN ENGINE EMISSION REDUCTION AND AVIATION TECHNOLOGY" at KCG College of Technology 2019
16. Organised Faculty Development Program on "Pedagogical aspects of integrating MOOCs in Academic curriculum at KCG College of Technology 2019
17. Attended Two week Faculty Development Programme on "The Role of Smart Materials in Digital Manufacturing and Fourth Industrial Revolution at KCG College of technology from 10/10/2020 to 23/10/2019
18. Attended FDP at Teacher Learning Centre, IIT Madras from 4.11.2019 to 6.11.2019

19. Attended “Train The Trainer” programme in Bosch Aftermarket training Centre,Bangalore from 2/12/2019 to 6/12/2019
20. Attended one day seminar on “SMART TRANSFORMATION TO E – MOBILITY at KCG College of technology on 21.12.2019
21. Participated in Faculty Awareness Programme on NBA to keep in touchwith NBA Accreditation" at PACE Institute of Technology and Sciences, Ongole on 17/05/2020
22. Participated online quiz on Smart Learning of Engineering Graphics , Modern College of Engineering,Pune on 26/5/2020
23. Participated online quiz on industrial quality management conducted by NBN Sinhgad college of engineering ,Sholapur on 28/5/2020
24. Participated online workshop on "Education 4.0" organised by IQAC, Atharva College of Engineering held on 28th - 30th April 2020
25. .Participated webinar in Art of Technical paper writing organised by Dr N.G.P Institute of technology on 4.5.2020
26. Participated online workshop in An Interactive Approach For Online Design, Develop and Delivery For Higher Education organised by PANIMALAR ENGINEERING COLLEGE from 6.5.2020 to 12.5.2020
27. Participated online workshop in "AUTOCAD for beginners " organized by Tagore Engineering College on 12.5.2020
28. Attended FDP in Emerging trend in Electric Vehicle at Jeppiar institute of technology on 14 and 15th may 2020

29. Participated National level quiz on NAAC conducted by Padmabhushan Vasantdada Patil Pratishthan's College of Engineering, P.V.P.P. College of Engineering, Mumbai-22
30. Attended one week online Faculty Development Programme (FDP) on "Purely the Fundamentals of Mechanical Engineering organised by Chennai Institute of Technology from 01/06/2020 to 05/06/2020
31. Organised Webinar on "Overview of Chassis Parts for Passenger / Commercial Vehicles" on 26th May, 2020 at KCG College of Technology
32. Organised Webinar on "Air Conditioning in Automobile "on 30th May, 2020in KCG College of technology
33. Organised Webinar on " Machine Learning " on 1st June 2020in KCG College of technology
34. Organized Webinar on Transition & Opportunities in Online Space for Students on May 23 2020
35. Organised Faculty Development Programme (FDP) on Usage of technology in Educational Video Creation and Delivery on 18/5/2020 and on 21/5/2020 in KCG College of technology
36. Attended webinar on Motor Drive and Control Conducted by ISIEINDIA on 15th Dec 2022
37. Attended webinar on Battery Pack Design and Simulation Conducted by ISIEINDIA on 20th Sep 2022
38. Organised EV Symposium in KCG College of technology
39. Participated in the NPTEL E - Awareness workshop on August 04, 2023

Special Exposure

- a. Department Placement Coordinator
- b. Department Time table In-Charge
- c. Examination Coordinator
- d. NBA Coordinator
- e. In-Plant Training, Project Coordinator, Industrial visit Coordinator
- f. Smart India Hackathon co-ordinator

Professional Membership

- Life member in Indian Society for Technical Education (LM 54877)
- Life member in International Association of Engineers (IAENG) (216297)
- Member of Institute of Research Engineers and Doctors - Universal Association of Mechanical and Aeronautical Engineers (SNM10100059535)
- Member in SAEINDIA (7190410186)

Subjects Expertness

- Engineering Graphics
- Thermal Engineering
- Advanced I.C. Engines
- Automobile Engineering
- Power Plant Engineering
- Heat and Mass transfer
- Basic Mechanical and Civil Engineering
- Automotive Engines

Personal Information

Father's Name	:Mr P.R.Thulasiraman
Date of Birth	: 07-11-1977
Nationality	: Indian
Community /Caste	:Hindu / Sourashtra
Address	:95,satyamoorthy nagar , 4 th street , kathirvedu Chennai – 600 066

Declaration

I do hereby assure you that I will be at your level of expectation and discharge my duties and responsibilities with more dedication and commitment to achieve the goals and aims of the employer.

Also I hereby declare that all the information given above is true to the best of my knowledge.

T.Mothilal