NO: 3/45A, Mela Street, Eyyalur (Post), Kattumannar Koil (T.K), Cuddalour District, Pin: 608 304. Tamilnadu, India Email: vijayavelfsp@gmail.com Mobile: 9894754407



Dr.P.VIJAYAVEL Born on 30th May 1978

OBJECTIVE

To be in a challenging growth oriented position in a progressive organization where my Technical and Software Skills are effectively utilized to contribute organization's success.

EDUCATION

Course	Institution	Year of study	% of Marks	
Ph.D (Manufacturing Engg)	Annamalai University, Annamalai Nagar- 608 002	2009-2015	-	Full Time
M.E (Manufacturing Engg)	Annamalai University Annamalai Nagar-608002	2004-2006	73.00	
B.E (Mechanical & Production)	Annamalai University Annamalai Nagar-608002	1998-2002	59.00	
HSC	Govt. ADW HSS, Poovanippattu.	1996-1997	53.00	
S.S.L.C	G.N.B HSS, Chidambaram.	1992-1993	50.01	

PROJECT REPORTS (THESIS)

- 1. STUDY OF FRICTION AND WEAR CHARACTERISTICS OF FRICTION STIR PROCESSED METAL MATRIX COMPOSITES, Ph.D Thesis (Submitted – 2015), Annamalai University. Done under the guidance of Dr. V. Balasubramanian, Professor, Department of Manufacturing Engineering, Annamalai University.
- 2. Investigations on Mechanical properties of Armour grade HSLA (Q & T) Steel joints, M.E (Manufacturing Engg.,) Thesis, Annamalai University, 2006. Done under the guidance of Dr. S. Ravi, Professor, Department of manufacturing engineering, co guidance of Dr. V. Balasubramanian, Professor, Department of manufacturing engineering and Dr.G. Magudeeswaran.

3. Study of Wheel loading while grinding composite material, B.E (Mechanical & Production) Thesis, Annamalai University, 2002. Done under the guidance of Dr. S. Sundaram, Professor, Department of manufacturing engineering.

PLAGIARISM COMPLIANCE

The complete thesis has been checked for plagiarism by the university using TURNITIN SOFTWARE and confirmed that this work has a low repeated content of 18% in the literature survey section conforming to the prescribed standards.

1

RESEARCH SUPERVISOR

Anna University Supervisory Registered No : 3320077 Serial No : 1417

PUBLICATIONS / PRESENTAIONS

International Journals

Published	18	
Accepted	03	
Under Review	06	
National Journals	03	Co-authors
Presentation in Conferences	21	
Seminars / Workshop attended	40	
Completed Course Certificate	03	
Total	94	

PROFESSIONAL EXPERIENCE

S.No	Designation	Organization	Period	Role
1	Professor	Meenakshi Ramaswamy	01Aug 2023-	Handled classes for
		College of Engineering,	(till date)	Mechanical Engg. of
		TRICHY main Road,	(1 Year	B.E students
		M.R. Kalvi Nagar,	7Month)	
		Thathanur (PO)		
		Udayarpalayam (TK)		
		Ariyalur (DT) 621804		
2	Professor	Rohini College of	22 Aug 2022-	Handled classes for
		Engineering and Technology,	(31/July2023	Mechanical Engg. of
		Palkulam,	date)	B.E students
		Kanyakumari.629401	(10Months)	
3	Associate	PGP	4 Jan 2021-19	Handled classes for
	Professor	College of Engineering and	Aug 2022 (1Year	Mechanical Engg. of
		Technology, Namakkal	7Months)	B.E students
	Associate	Rohini College of	1 July2019- 31	
4	Professor	Engineering and Technology,	Dec 2020	Handled classes for
		Palkulam,	(1Year5 Month)	Mechanical Engg. of
		Kanyakumari.629401		B.E students

5	Trainear Assistant	ArabianInternationalSpecialTechnicalServicesLLP(AISTS),RuwaisRefineryWest,PostBox12115,AbuDhabi,UnitedArabEmirate	07 Jan 2020- 20 March 2020 (3 Month)	Handled classes for Workers
6	Associate Professor	Arab Emirate Department of Mechanical Engineering, Chennai Institute of Technology, Kundarathur Chennai- 600069	18 Aug 2018-28 June 2019 (11Month)	Handled classes for Mechanical Engg. ofUG&PGstudents. Researchactivities,Accre dation processes forNBAandNAC fortheDepartment/ Institution.
7	Professor (vijayvelp_m ech@mrce.in)	Department of Mechanical Engineering, Malla Reddy College of Engineering, Secunderabad-500100	27 Dec 2017-30 April 2018 (4Month)	Handled classes for Mechanical Engg. of UG & PG students.Accredation processes forNBA and NAAC for the Department / Institution
8	Ass Prof & HOD	Department of Aeronautical Engineering,	01 Aug 2017 – 22 Dec 2017	Handled classes for Aeronautical Engg. of
		PSN College of Engg & Tech, Melathediyoor, Tirunelveli - 627 152	(5 Month)	UG & PG students
9	Ass Prof & HOD	Department of Mechanical Engineering, Shanmuganathan College of Engineering, Arasampatti.	04 July2016- 25 April 2017 (10 Month)	Handled classes for Mechanical Engg. Of B.E students.Accredation processes for NBA and NAAC for the Department/Institution
10	Visiting Faculty	Department of Marine Engineering, Indian Maritime University, Chennai	06July 2015- 31 Dec2015 (6Month)	Handled classes for Marine Engg. of B.Tech students
11	Full Time Research Scholar (UGC- Fellowship)	Department of Manufacturing Engineering, Annamalai University	07 Dec2009- 31Dec2015 (6Years 6 Month)	Engaged in Research activities.
12	Lecturer	Department of Mechanical Engineering, Trichy Engineering College, Konalai, Tiruchirappalli	11Jun 2007- 13Nov 2009 (2Years5Month)	Handled classes for Mechanical Engg. of B.E students
13	Lecturer	BharathidhasanInstituteof Technolo(School of Engineering & Technology), Tiruchirappalli	18Aug 2006 - 09Apr 2007 (9Month)	Handled classes for Automobile Technology

TEACHING AND RESEARCH EXPERIENCE

Teaching Experience

Research Experience

13 Years 6 Month

(Full Time Research Scholar)

6 Years 6 Month

AREA OF SPECIALIZATION

Materials	Shielded Metal Arc welding on HSLA Steel of Armour Grade Q&T
Processing:	steel. Stir casting of Aluminium Alloy, Fabrication of Metal Matrix
	Composites, Friction Stir Processing of Metal matrix Composites.
Mechanical Behavior	Tensile Properties, Microhardness, Wear properties, Corrosion and
Characterizations	Microstructural Analysis of FSPed MMCs and Shielded Metal Arc
:	Welding. OM, SEM-EDS, Fractography, XRD – phase analysis.

RESEARCH EXPERIENCE IN LABORATORY BASE EXPERIMENTS

- In charge of Solid state welding Laboratory, Centre for Materials Joining and Research (CEMAJOR), Department of Manufacturing, Annamalai University Experienced in operating FSW/FSP Machine,
- In charge of Tribology Laboratory, Centre for Materials Joining and Research (CEMAJOR), Department of Manufacturing, Annamalai University - Experienced in operating Optical Microscope, Stereo Microscope, pin – on – disc Machine and Micro hardness machine.
- Experienced in sample preparation of FSW/FSPed samples of Aluminium alloy, Stir casted metal matrix composite material for Optical, scanning electron EDS and XRD.

MEMBERSHIPS IN PROFESSIONAL BODIES

• Life Member of Indian Welding Society (IWS), Annamalai Nagar Chapter during 2009-2013.

IN REFERRED INTERNATIONAL JOURNALS (19) (IF – IMPACT FACTOR)

- P.Vijayavel, V.Balasubramanian, S.Sundaram, "Effect of Tool shoulder to pin diameter (D/d) ratio on Tensile strength and ductility of friction stir processed LM25AA-SiCp metal matrix composites" Materials and Design, 57(2014)1-9. DOI10.1016/j.matdes.2013.12.008, JCR Impact Factor-7.991, JCR Quantile[Q1] ISSN: 0264-1275. IF-7.991 (Elsevier)
- P. Vijayavel, V. Balasubramanian. "Effect of pin profile volume ratio on microstructure and tensile properties of friction stir processed aluminium based metal matrix composites". Journal of Alloys and Compounds 729 (2017) 828-842, DOI: 10.1016/j.jallcom.2017.09.117 JCR Impact Factor IF- 5.316, JCR Quantile[Q1], ISSN: 0925-8388, IF-5.316 (Elsevier)
- 3. P. Vijayavel, I.Rajkumar, T,Sundararajan. "Friction stir processing for tensile strength and microstructure enhancement of LM25aluminium alloy-5%SiCp metal matrix composites". Transaction of Non Ferrous Metals Society of China. 729 (2017) 828-842,

DOI: 10.1016/j.jallcom.2017.09.117, JCR Impact Factor IF- 5.316, JCR Quantile[Q1], ISSN: 0925-8388, IF-XXX (*Accepted*). (Elsevier)

- P. Vijayavel, V. Balasubramanian. "Effect of tool velocity ratio on tensile properties of friction stir processed LM25AA-SiCp metal matrix composites". Journal of Mechanical Behaviour of Materials. 25(3-4)(2016) 99–109. DOI: 10.1515/jmbm-2016-0012, JCR Impact Factor IF- 1.49, JCR Quantile[Q1], ISSN: 2191-0243. IF-1.49 (De Gruyter)
- P. Vijayavel, V. Balasubramanian. "Effect of pin volume ratio on wear behavior of friction stir processed LM25AA-SiCp metal matrix composites". Alexandria Engineering Journal 57 (2018) 2939-2950. DOI:10.1016/j.aej.2018.07.008, JCR Impact Factor IF-3.732, JCR Quantile[Q1], ISSN: 1110-0168. IF- 3.732 (Elsevier)
- 6. P. Vijayavel, T.Sundararajan, I. Rajkumar "Effect of tool diameter ratio of tapered cylindrical profile pin on wear characteristics of friction stir processing of Al-Si alloy reinforced with SiC ceramic particles". Journal of Metal Powder Report Volume 76 (2) (2021)75-89; DOI: https://doi.org/10.1016/j.mprp.2020.04.00, JCR Impact Factor IF-1.06, JCR Quantile[Q1], ISSN:0026-0657, IF- 1.06 (Elsevier)
- 7. P. Vijayavel, V. Balasubramanian. "Influences of tool velocity ratio on wear behavior of friction stir processed LM25AA-SiCpmetal matrix composites". Journal of Metal Powder Report. Volume 76, Dec (2021) S39-S49. https://doi.org/10.1016/j.mprp.2020.06.062. IF- JCR Impact Factor IF- 1.06, JCR Quantile[Q1], ISSN:0026-0657, IF- 1.06 (Elsevier)
- 8. P. Vijayavel, V. Balasubramanian. "Optimizing friction stir processed parameters to attain maximum strength and hardness in aluminium based metal matrix composites" International Journal of Mechanical Engineering IF- (Under Review)
- P. vijayavel, V. Balasubramanian. "Optimizing friction stir processed parameters to attain maximum hardness and minimum wear rate in aluminium based metal matrix composites" International Journal of Friction and Wear Research IF- (Under Review)
- 10. P. Vijayavel, V. Balasubramanian. "Multi objective optimization of friction stir processed parameters to attain maximum hardness, maximum strength and minimum wear rate in aluminium based metal matrix composites" International Journal of Manufacturing Materials and Mechanical Engineering. IF- (Under Review)
- 11. P. Vijayavel, V. Balasubramanian. "Influences of pin profiles on performance characteristics in friction stir processed aluminium based metal matrix composites". International Journal of Materials Science and Technology. IF- (Under Review)
- 12. P. Vijayavel, V. Balasubramanian. "Influences of tool velocity ratio of taper cylindrical profile pin on performance characteristics in friction stir processed aluminium based metal matrix composites". International journal of Mechanical and Materials Engineering IF-(Under Review)
- **13. P. Vijayavel, V. Balasubramanian.** "Influences of tool diameter ratio of taper cylindrical profile pin on performance characteristics in friction stir processed aluminium based metal matrix composites". Journal of Materials Design & Applications IF- (Under Review)
- P. Vijayavel, V. Balasubramanian. 'Surface characteristics modification of LM25aluminium alloy 5%SiC particulate Metal Matrix Composites by friction stir processing" Journal of Metal Powder Reporthttps://doi.org/10.1016/j.mprp.2020.02.001 76 (3) (2021) 140-151. JCR Impact Factor IF- 1.06, JCR Quantile[Q1], ISSN: 0026-0657, IF- 1.06 (Elsevier)
- 15. P. Vijayavel, V. Balasubramanian. 'Effect of Tool Travers speed on Tensile Strength, Hardness and Ductility of Friction Stir Processed Aluminium based Metal Matrix Composites' Metallography, Microstructure and Analysis.7(2018)321-333.DOI:10.1007/s13632-018-

0442-5 2192-9270. JCR Impact Factor IF- 1.06, JCR Quantile[Q1], ISSN: 2192-9270, IF- 1.27 (Springer)

- 16. P.Vijayavel, V.Balasubramanian, T. Sivakumar. "Effect of Pin Profiles on Corrosion Behaviour of Friction Stir Processed LM25 Alumiium Alloy 5% SiCp Metal Matrix Composites" International Journal of Mechanical and Production Engineering Research and Development. 2249-8001 (Jun 2018), 280-285. JCR Impact Factor IF- 1.03, JCR Quantile[Q2], ISSN: 2249-8001, IF-1.03.
- 17. P. Vijayavel, I. Rajkumar, T.Sundararajan. "Effect of tool diameter ratio on microstructural characteristics of Friction stir processed aluminium based metal matrix composites". Journal of Materials Testing 63 (2021)7; 668-675. DOI: 10.1515/mt-2020-0108, JCR Impact Factor IF- 1.589, JCR Quantile[Q1], ISSN: 2195-8572, IF- 1.589 (De Gruyter)
- 18. P.Vijayavel, I. Rajkumar, T.Sundararajan, "Effect of Tool shoulder diameter on Mechanical and microstructural characteristics Behaviour of Friction Stir Processed Aluminium Alloy with SiC Particles metal matrix composites"Metallurgical and MaterialsTransactions A. JCR Impact Factor IF-XXX, JCR Quantile[Q1], ISSN: XXXX-XXXX, IF- (Accepted) (Springer)
- 19. P.Vijayavel, I.Rajkumar, T.Sundararajan."Effect of Tool Rotational Speed and Applied Load on Wear Behaviour of Frivtion Stir Processed LM25AA with 5% SiCp Metal Matrix Composites" Metallography, Microstructure and Analysis. JCR Impact Factor IF- 1.06, JCR Quantile[Q1], ISSN: XXXX-XXXX, IF-1.27 (Springer)
- 20. P. Vijayavel, I. Rajkumar, G. Magudeeswaran, T. Sundararajan "Friction stir processing for tensile strength and microstructure enhancement of Lm25 aluminum alloy 5% Sicp metal matrix composites" Metal Powder Report Vol.77, No.4 (2022). DOI: https://doi.org/10.12968/S0026-0657(22)70021-5 IF- JCR Impact Factor IF- 1.06, JCR Quantile[Q1], ISSN:0026-0657, IF- 1.06 (Elsevier)

IN REFERRED NATIONAL JOURNALS (3)

- [1]P.Vijayavel, V.Balasubaramanian. "Effect of Friction Stir Processing Parameters on Microstructure and Tensile Properties of LM25AA-5%SiCp Metal Matrix Composites "Indian Journal of Scholarly Research, Vol:3, (2014) pp15-19, JCR Impact Factor IF- 1.03, JCR Quantile[Q3], ISSN: 2278-8271, IF- 1.03,
- [2] P.Vijayavel, V.Balasubaramanian. "Effect of pin volume ratio on microstructural characteristics of Friction stir processed aluminium based metal matrix composites "Journal of Manufacturing Engineering Vol.11 Issue2 (June 2016) 60-67, DOI: file:///C:/Users/jtsv/Desktop/Journal/1%20-%20Vijayavel.pdf, JCR Impact Factor IF- 1.03, JCR Quantile[Q3], ISSN: 2278-8271, IF-1.01
- [3] P.Vijayavel, V.Balasubaramanian. "Effect of tool velocity ratio on microstructural characteristics of Friction stir processed aluminium based metal matrix composites" Journal of Manufacturing Technology Today Vol.15, (2016)pp: 11-19. DOI: file:///C:/Users/jtsv/Desktop/Journal/SOFT%20COPY%20OF%20MTT%20APR%2 02016.pdf. JCR Impact Factor IF- 1.06, JCR Quantile[Q1], ISSN: 0972-7396, IF-1.03.

INTERNATIONAL CONFERENCES (PRESENTATIONS) (13)

1.	Presented a Paper titled "Effect of Processing Parameters on the Microstructure, Micro
	hardness and Tensile Properties of Friction Stir Processed (LM25AA-5%SiCp) Metal Matrix
	Composites" in International welding symposium, organized by Indian welding society
	Mumbai during October 30 – November 1.2012.
2.	Presented a Paper titled "Effect of Friction Stir Processing Parameters on Micro structure and
	Tensile Properties of LM25AA-5% SiCp Metal Matrix Composites" in International
	conference on "Recent Advances in Material Processing Technology" organised by
	Department of Mechanical Engineering National Engineering college, K.R.Nagar, Kovilpatti
	– 03, during 7-9 January 2013.
3.	Presented a Paper titled "Effect Tool Rotation Speed and Tool Traverse Speed on Corrosion
	Behavior of Friction Stir Processed (LM25AA-SiCp) Metal Matrix Composites" in
	International welding congress of International institute of welding, Organised by The
	Indian Institute Welding, New Delhi, during 9-11 April 2014.
4.	Presented a Paper titled on "Effect Tool Traverse Speed on Wear Behaviour of Friction Stir
	Processed(LM25AA-5%SiCp) Metal Matrix Composites" in International welding
	symposium – IWS 2014" organised by Indian welding society Mumbai during 28-30 October
	2014.
5.	Presented a Paper titled on "Effect of Pin Volume Ratio on the Corrosion Behaviour of
	Friction Stir Processed(LM25AA-5%SiCp) Metal Matrix Composites" in 2nd International
	Conference on Advances in Cutting, Welding & Surfacing (CWS 2015)" organised by
	Combatore Institute of Technology, IWS & WRI, Combatore during 5-7 August 2015.
6.	Presented a Paper titled on "Effect of Tool pin profile on tensile strength and ductility of
	triction stir processes LM25AA-5% SiCp Metal Matric Composites" in International
	Conference on Contemporary Design and Analysis of Manufacturing and Industrial
	Engineering Systems (CDAMIES 2018)" organized by National Institure of Technology,
	Tiruchirappalli during 18-20 January 2018.
7.	Presented a Paper titled on "Wear Benaviour of friction stir processes LM25AA-5% StCp
	Metal Mathe Composites in International Conference on Modern Innovations in Nano Technology Science and Engineering of Materials (MINTSEM 2018)" organized
	hy Department of Manufacturing Engineering Appendici University Appendici Neger During
	1-2 February 2018
8	Presented a Paper titled "Effect of Pin Profiles on Corrosion Behaviour of Friction Stir
0.	Processed LM25 Alumijum Alloy 5% SiCp Metal Matrix Composites" in International
	Conference on Emerging Trends in Mechanical Sciences (ICEMS-2018), organized by
	Malla Reddy College of Engineering and Technology, Secunderabad, during 22-23 June 2018
9.	Presented a Paper titled "Effect of Tool Rotational Speed On Wear Behaviour of
	Friction Stir Processed LM25 Aluminum Alloy- 5% SiCP Metal Matrix Composites"
	in International welding symposium, organized by Indian welding society Mumbai during
	27-29 November 2018.
10.	Presented a Paper titled "Optimization of Friction Stir Processed Parameters to attain
	Maximum Hardness and Stir Zone Area of Aluminum Based Metal Matrix
	Composites" in International Conference on Mechanical and Civil Engineering (ICOMACE-
	2018) by K G Reddy of Engineering and Technology Moinabad, Hyderabad. During 20-21
	December 2018.
11.	Presented a Paper titled "Optimization of Friction Stir Processed Parameters to attain
	Maximum Hardness and Tensilesterngth of Aluminum Based Metal Matrix
	Composites" in International Conference on Depertment of Mechanical Engineering
	(IKTME-2019) by Velammal College of Engineering and Technology Madural. Organized by
	AICTE Sponsored. During 1/-18 October 2019.
12.	Presented a Paper titled "Modifying the Surface Charatertices of Stir Casted LM25
	Aluminium Alloy Reinforced with 5 SiCp Particulates Metal Matrix Composites By
	Enction stir Processing in International Lonterance on Department of Metalluroical and

	Materials Engineering (IMME-2019) by National Institute of Technology Tiruchirappalli.
	Organized by Metallurgical and Materials Engineering. During 27-28 December 2019.
13.	Presented a paper "Influences of process parameters on Surfaces Characteristic of Stir Casted LM25
	Aluminum Alloy Reinforced with 10% SiC Particulates Metal Matrix Composites by Friction Stir
	Processing" in "National Welding Seminar NWS2024" Organised by by the Indian Institute of
	welding, Jamshedpur Branch during 12th and 14th December - 2024.

NATIONAL CONFERENCES (PRESENTATIONS) (8)

1.	A paper titled "AlternateFuels" presented in National Conference on "Emerging Trends in
	Automobile Technology" Organized by the Department of Automobile Technology,
	Bharathidasan Institute of Technology, affiliated to Bharathidasan University, Tiruchirapalli
	during 8 th and 9 th Feb 2007.
2.	Presented a paper "Effect of Tool Pin Profile on Microstructure and Tensile Properties of
	Friction Stir Processed (LM25AA-5%SiCp)Metal Matrix Composites" in "National Welding
	Seminar NWS2013" Conducted by the Indian Institute of welding, Bangalore Branch during
	8^{th} and 9^{th} February – 2013.
3.	Presented a paper "Effect of Tool Pin Profile on Microstructure and Microhardness of
	Friction Stir Processed (LM25AA-5%SiCp)Metal Matrix Composites" in "Two Day Branch
	Seminar ADWEST2013" Conducted by the Indian Institute of welding, Chennai Branch
	during 3 and 4th May 2013.
4.	A paper titled "Effect of Tool Pin Profile on Tensile Strength and Ductility of Friction Stir
	Processed(LM25AA-5%SiCp) Metal Matrix Composites" in two days National seminar on
	"Recent Trends in welding Technology and Non-Destructive Testing" Organized by
	Coimbatore institute of Technology and Indian welding society, Coimbatore centre during
	20th – 21st September 2013.
5.	Presented a paper "Tribological Behaviour of Friction Stir Processed (LM25AA-5%SiCp)
	Metal Matrix Composites" in National Conference on "Recent Advances in welding and
	surface Engineering RAWSE 14" organized by Department of Manufacturing Engineering
	Annamalai University and Indian welding society (IWS) Annamalai Nagar centre during 26th -
	27 th March 2014.
6.	A paper "Effect of Tool Transverse Speed on Tensile Strength and Hardness of Friction Stir
	Processed(LM25-5%SiCp)Metal Matrix Composites" was presented in National Level
	Technical Conference on "Emerging Trends in Mechanical Engineering" Organized by
	Department of Mechanical Engineering, M. Kumarasamy College of Engineering, Karur,
	during 9th March 2015.
7.	Presented a paper "Effect of Pin Volume Ratio on Tensile Properties of Friction Stir
	Processed Aluminium based Metal Matrix Composites" National Conference on "Recent
	Investigations in Welding Research (RIWER 2016)" Organised by, Centre for Materials
	Joining & Research (CEMAJOR) and Department of Manufacturing Engineering, Annamalai
	University, during, 08th July 2016.
8.	Presented a paper "Influences of Process Parameters on Wear Behaviour of Friction Stir
	Processed (LM25AA-10% SiCp) Metal Matrix Composites" National Conference on "National
	Welding Seminae (NWS 2023)" Organised by, National Welding Seminar Chennai & Centre
	for Materials Joining & Research (CEMAJOR) and Department of Manufacturing
	Engineering, Annamalai University, during, 19th-21 January 2023.

SEMINARS/WORKSHOPS/COURSES ATTENDED (40)

1.	National Conference on "Emerging Trends in Automobile Technology" Organized by the Department of Automobile Technology, Bharathidasan Institute of Technology, Tiruchirapalli during 8 th and 9 th Feb 2007.
2.	Staff Development Programme sponsored by all India Council for Technical Education (AICTE), New Delhi on "Electronic Engine Management system" Organized by the Department of Auto mobile Technology, Tiruchirapalli from 4 th June to 16 th June 2007.
3.	One day workshop on "Automotive Materials organized by Faculty of Engineering and Technology, Annamalai University, Annamalai Nagar on 7th April 2007.

4.	Three Day Workshop on "Metal Forming and Powder Metallurgy" Organized by Department of Production Engineering, National Institute of Technology, Tiruchirappalli during 28 Jan -30 Jan 2008.
5.	National Seminar on "Recent Trends in Renewable Energy" organized by Department of Mechanical Engineering, Mookambigal College of Engineering, Srinivasa Nagar, Kalamavur, Pudukkottai during 17 th and 18 th April 2009.
6.	University Sponsored Prof. K.S.Sonachalam Memorial XX Inter – Disciplinary Research Methodology Workshop'' Organized by Department of Economics, Annamalai University Annamalai Nagar during 27 th February – 2 nd March 2010.
7.	National Workshop on "Surface Engineering" Organized by Department of Manufacturing Engineering, Annamalai University, Annamalai Nagar. during 9-10 th April 2010.
8.	Two days workshop on "Metallographic practices" Organized by Department of Manufacturing Engineering and Indian Institute of Metals Kalpakkam chapter on 27 th and 28 th August 2010.
9.	1 st Symposium for In –House Research Scholars (SYRES) of Center for Materials Joining & Research (CEMAJOR), organized by the Department of Manufacturing Engineering, Annamalai University, on 18 th February 2012.
10.	National Workshop on "Surface Engineering For Automobiles" Organized by Department of Mechanical and Manufacturing Engineering Division – DDE, Annamalai University. Annamalai Nagar on 5 th and 6 th January 2011.
11.	National workshop on "Surface Engineering" Organized by Department of Manufacturing Engineering, Annamalai University, Annamalai Nagar during 23 rd and 24 th March 2012.
12.	International welding symposium organized by Indian welding society during October 30 – 1st November 2012.
13.	One day workshop on "Laser Assisted Materials Processing" Organized by Centre for Materials Joining & Research (CEMAJOR) Department of Manufacturing Engineering Annamalai University, Annamalai Nagar on 22 nd November 2012.
14.	One day workshop on "Metallurgical characteristics of Aluminum alloys" organized by center for materials joining and Research (CEMAJOR) Department of Manufacturing Engineering Annamalai University & Indian Welding Society (IWS) Annamalai Nagar Centre, on 26 th November 2012.
15.	International workshop on "Friction stir Welding" Orgnaised by (CEMAJOR) Department of Manufacturing Engineering during 21 nd and 22 nd December 2012.
16.	International conference on "Recent Advances in Material Processing Technology" organised by Department of Mechanical Engineering, National Engineering college, K.R.Nagar, Kovilpatti during 7 th -9 th January 2013.
17.	National Welding Seminar "NWS2013" Conducted by the Indian Institute of welding Bangalore Branch during 8 th and 9 th February – 2013.
18.	One day Programme on "Research writing" organised by Research and Development Team of M.Kumarasamy College of Engineering, Thalavapalayam, Karur on 17 th August 2013.
19.	Two days National seminar on "Recent Trends in welding Technology and Non- Destructive Testing" Organized by Coimbatore institute of Technology and Indian welding society, Coimbatore centre during $20^{\text{th}} - 21^{\text{st}}$ September 2013.
20.	Two days conference on "Advances in gas shielded welding technologies organised by Indian welding society, Tiruchirappalli during 21 nd -22 nd December 2013.
21.	One day workshop on "High Temperature Properties of Materials" Organised by Centre for Material Joining Research (CEMAJOR), Department of Manufacturing Engineering Annamalai University and Indian Institute of Metal Human resource development centre (IIM-HRDC) Kalpakkam. on 1 st February 2014.
22.	One day workshop on "Friction stir welding of steels" organised by Centre for Materials Joining & Research (CEMAJOR), Department of Manufacturing Engineering and Indian welding society (IWS) Annamalai Nagar Centre on 5 th March 2014.

23.	National Conference on "Recent Advances in welding and surface Engineering" organised by Centre for Materials Joining & Research (CEMAJOR) and Department of Manufacturing Engineering, Annamalai University and Indian welding society (CIWS) Annamalai Nagar centre during 26 th – 27 th March 2014.
24.	International welding congress of international institute of welding on "International welding congress" Organised by The Indians Institute during 9-11 April 2014.
25.	International welding symposium on "International welding symposium – WS 2014" organised by Indian welding society Mumbai during 28-30th October 2014.
26.	One day workshop on "Laser Assistant Materials Processing" Organised by Centre for Materials Joining & Research (CEMAJOR) and Department of Manufacturing Engineering Annamalai University and Indian welding society (IWS) Annamalai Nagar Centre during 27th December 2014.
27.	One day workshop on "Welding Assisted surfacing on materials" Organised by Department of Manufacturing Engineering, Annamalai University and Indian Welding Society (IWS) Annamalai Nagar Centre on 31 st January 2015.
28.	National Level Technical Conference on "Emerging Trends in Mechanical Engineering" Organised by Centre for Materials Joining & Research (CEMAJOR) and Department of Mechanical Engineering M.Kumarsamy College of Engineering Karur, on 9 th March 2015.
29.	One day workshop on "Advances in ARC welding" organized by Centre for Materials Joining & Research (CEMAJOR) and for Department of Manufacturing Engineering Annamalai University Indian Welding Society (IWS) Annamalai Nagar Centre, on 6 th April 2015.
30.	4 th Symposium for In –House Research Scholars (SYRES) of Center for Materials Joining & Research (CEMAJOR), organized by the Centre for Materials Joining & Research (CEMAJOR) and Department of Manufacturing Engineering, Annamalai University, during, 09-10th May 2015.
31.	2 nd International Conference on Advances in Cutting, Welding & Surfacing (CWS 2015), organised by Coimbatore Institute of Technology, IWS & WRI, Coimbatore during 5-7 August 2015.
32.	National Conference on Recent Investigations inWelding Research (RIWER 2016), Organised by, Centre for Materials Joining & Research (CEMAJOR) and Department of Manufacturing Engineering, Annamalai University, during, 08th July 2016.
33.	"Effective Curriculam Implimentation through ICT" conducted by Curriculam development Centre, Shanmuganathan Engineering College, Arasampatti (Tamil Nadu) during 19-23 Sepetemper 2016.
34.	National Workshop on Advances in Digital Additive Manufacturing: 3D Printing (ADAM-2019), Organised by, Centre for Materials Joining & Research (CEMAJOR) and Department of Manufacturing Engineering, Annamalai University, during, 04th and 5thJanuary2019.
35.	International Conference on Mechanical and Civil Engineering (ICOMACE-2018) Organised by K G Reddy of Engineering and Technology Moinabad, Hyderabad. During 20-21 December 2018.
36.	International Conference on Depertment of Mechanical Engineering (IRTME-2019) by Velammal College of Engineering and Technology Madurai. Organized by AICTE Sponsored. During 17-18 October 2019.
37.	International Conference on Depertment of Metallurgical and Materials Engineering (IMME-2019) by National Institute of Technology Tiruchirappalli. Organized by Metallurgical and Materials Engineering. During 27-28 December 2019. Completed Course Certificate
38.	National Conference on "National Welding Seminae (NWS 2023)" Organised by, National Welding Seminar Chennai & Centre for Materials Joining & Research (CEMAJOR) and Department of Manufacturing Engineering, Annamalai University, during, 19th-21 January 2023.
39.	Influences of process parameters on Surfaces Characteristic of Stir Casted LM25 Aluminum Alloy Reinforced with 10% SiC Particulates Metal Matrix Composites by Friction Stir Processing

40.	National Conference on "National Welding Seminae (NWS 2023)" Organised by, India	an
	Institute of welding, Jamshedpur Branch during 12th and 14th December - 2024.	

LIST OF COMPLETED COURSE CERTIFICATES

1.	Titled "Confined Space Awareness" Sponsred byADNOC NO: 10007435, ID NO: 30002303. Ruwais Refinery West, Post Box 12115, Abu Dhabi, United Arab Emirate
2.	Titled "H2S Competency Certification" Sponsred byADNOC NO: 10007435, ID NO: 30002303. Ruwais Refinery West, Post Box 12115, Abu Dhabi, United Arab Emirate
3.	Titled "Authorized Gas Testing" Sponsred by ADNOC NO: T 9600A-RB-22, ID NO: 30002303. Ruwais Refinery West, Post Box 46708, Abu Dhabi, United Arab Emirate

LIST OF SPONSORED RESEARCH PROJECTS

1.	Titled "Study of Friction and Wear Characteristics of Friction Stir Processed Metal Matrix Composites" Sponsred by UGC JRF and SRF Total Cost (in Rs.): 14,02,000:00
2.	Prepared Proposal Titled "Investigation on the Effect of Friction Stir Processing/Welding Parameters on Microstructural, Mechanical and Wear Characteristics of Aluminium Based Hybrid Metal Matrix Composites" Total Cost (in Rs: 78,90,000:00)
3.	Prepared Proposal Titled "Investigations on Joining of Aluminium Alloys and Aluminium Metal Matrix Composites" Total Cost (in Rs : 80,20,000:00)

SUBJECTS OF INTEREST EXPOSURE

Surface Engineering and Composite Material

SUBJECTS HANDLED

1) Basic Engineering 2) Engineering Graphics 3) Engineering Mechanics 4) Thermal Engineering 5)Mechanics of Materials 6) Mechanics of Machines 7) Manufacturing Technology 8) Strength of Materials 9) Automobile Engineering 10) Aeronautical Structure II 11) Composite Materials 12) Project Management

RESPONSIBILITIES

1) Head Of the Department 2) Member PhD Curriculum Development 3) Department Research Director 4) Coordinator Summer Term Course 5) Course Committee Members 6) Faculty Advisor7) Course coordinator 8) Class Coordinator 9) Overall Class Coordinator.

COMPUTER EXPOSURE

Design Packages : Photoshop 7, MS OFFICE-2003, 2007, 2010 and 2015

:

Operating System : Windows 7

PERSONAL PROFILE

Father's Name

Mr.P. Pattusamy

Sex	:	Male
Nationality & Religion	:	Indian & Hindu
Marital status	:	Married
Address for Communication		No: 3/45A, Mela Street, Eyyalur (Post), Kattumannarkoil (T.K), Cuddalore District,
		Pin: 608304.

PASSPORT DETAAILS

Passport No	:	R 6303496
Place of Issue	:	Chennai
Date of Issue	:	11/12/2017
Date of Expriy	:	10/12/2027
Emigration check	:	ECNR

REFERENCES

1. Dr. V. Balasubrmanian.
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2. Dr.S.SUNDARAM, Professor, Department of Manufacturing Engineering, Director for Directorate of Research and Development (DRD) Annamalai University, Annamalai Nagar – 608 002. Email: mfg.sundaram@gmail.com Cell No : +91-9442704714

3.Dr.P. Gopal, Professor Department of Automobile Engineering Anna University BIT Campus Tiruchirappalli – 620 024 Email:gopalpp@gmail.com Mobile: 94430 51196

4. Dr.D.Lenin Singaravelu, Associate Professor, Department of Production Engineering, National Institute of Technology (NIT) Tiruchirappalli. Mobile: 9487069811

DECLARATION

I hereby declare that the above-furnished information is true and correct to the best of my knowledge and belief.

P.V.JAYAVEL)