

R.PANDIYARAJAN

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Objective:

To obtain a challenging position that emphasizes on growth, creativity and analytical thinking in the area of emerging technologies.

1. Academic Experience: (Proof: Annexure II) (As on Date 31 July 2019)

Name of the Institution	Designation	Joining Date	Relieving Date	Experience		
				Year s	Months	Days
KLN COLLEGE OF ENGINEERING, MADURAI	ASSISTANT PROFESSOR	01/07/2015	TILL NOW	4	1	9
LATHA MATHAVAN ENGINEERING COLLEGE, MADURAI	ASSISTANT PROFESSOR	01/06/2012	30/06/2015	3	0	0
Total				7	1	9

2. Particulars of Educational Qualification: (From Highest to lowest) (Proof: Annexure I)

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades obtained	Class obtained
(Ph.D)	Ph.D	WELDING OF COMPOSITE	2019	THIYAGARAJAR COLLEGE OF ENGINEERING - MADURAI	ANNA UNIVERSITY CHENNAI	THESIS SUBMITTED	
PG	ME	COMPUTER AIDED DESIGN	2012	ANNA UNIVERSITY REGIONAL CAMPUS - TIRUNELVELI	ANNA UNIVERSITY CHENNAI	9.21 CGPA	FIRST CLASS WITH DISTINCTION
UG	BE	MECHANICAL	2010	SACS MAVMM ENGG COLLEGE	ANNA UNIVERSITY CHENNAI	74	FIRSTCLASS
Diploma	DME	MECHANICAL	2007	GMS MAVMM POLYTECHNI COLLEGE	DOTTE	81.2	FIRSTCLASS with HONS

3. Details of Attended Training Activities: (attended FDP/ Seminar/ Workshop/Guest lecture) (Proof: Annexure III)

S.No.	Duration (Two Weeks / One Week / No. of days)	Name of the programme	Organizing institute/ Industry	Participant / Resource Person	Date	Venue
ACADEMIC YEAR 2018 - 2019						
1	July to Oct 2018	Engineering Metrology	NPTEL- AICTE	Participant	July to Oct 2018	KLNCE
ACADEMIC YEAR 2017 - 2018						
2.	1 day	Outcome Based education (OBE) – National Accreditation	ISTE staff chapter- KLNCE	Participant	13.01.18	KLNCE
ACADEMIC YEAR 2016 - 2017						
3.	2 days	FDP in Ansys CFD	Ansys software PVT. LTD	Participant	03.03.17 TO 04.03.17	KLNCE
4	One week	Design and analysis of mechanical system (DAMS)	TEQIP Phase II	Participant	19.12.2016 TO 24.12.16	National Institute of Technology, Tiruchirappalli
ACADEMIC YEAR: 2015-16						
5	5 days	Autodesk AUTOCAD	ICTACT academy - Madurai	Participant	13.06.16 To 17.06.16	KLNCE-CAD Lab
6	1 day	Intellectual property rights and innovations	KLNCE- Madurai	Participant	04.03.16	QC-ARD KLNCE
7	1 day	The essential traits of teaching methodologies	KLNCE- Madurai	Participant	13.08.15	IBM seminar hall – KLNCE
8	1 day	The Essential Traits of Teaching Methodologies	IBS Business School	Participant	28.07.15	Hotel North Gate
ACADEMIC YEAR: 2012-13						
9	20 days	Modern teaching methodology in engineering and technology &ISO / NBA Formats	Latha mathavan engineering college - madurai	Participant	08.06. 12 to 27.06.12	Latha mathavan engineering college -madurai

4. Details of Organized Training Activities : (organized FDP/ Seminar/ Workshop) (Proof:Annexure IV)

S.No.	Name of the programme	Duration (with date)	Venue	Sponsored/ Self-supported	(If Sponsored) Sponsoring Institute/ Industry	
					Name	Agency
Academic Year: 2017-18						
1.	FDP “Product Design Engineering “	26.04.2018	28.04.2018	Sponsored	--	ICT ACADEMY
Academic Year: 2016-17						
2	Value added course on Autodesk Certified Professional : AutoCAD	05.06.2017	17.06.2017	Sponsored	--	ICT ACADEMY
3	Innovation, Technology and Knowledge Economy	17.03.2017	18.03.2017	Sponsored	All India Seminar	IEI- TNSC Students

5. Details of Research Publications in Conference: (Proof: Annexure V)

S.No.	National/ Internatio nal	Title of the paper	Name of the Conference	Organizing Institute	Date	Area of Publicati on	Co-Author(s)
1.	National	tribological behavior of aluminum matrix (aa6161), zro2 and c reinforced hybrid composite materials	National Conference on Recent Advances in Manufacturing, Design and Thermal Engineering (RAMDTE 2019)	Sri Ramakrishna Institute of Technology, Coimbatore	22.03.2019	Material s	r.venkatesan radha krishnan p.muthu pandi m.pal muthu
2.	Internatio nal	Effect Of Zro2 And Graphite Particulates On Mechanical Behavior Of Aluminum Matrix Composite	International Conference on Contemporary Design and Analysis of Manufacturing and Industrial Engineering systems (CDAMIES 2018)	National Institute of Technology, Tiruchirappalli,	20.01.2018	Material s	P. Maran , S. Marimuthu
3.	Internatio nal	Numerical Analysis of Line Contact Fatigue in rail Wheels During Rolling Action	" international conference on evolving trends in engineering and technology	Latha Mathavan engineering college- Madurai	28.05.2015	FEA	--
4.	Internatio nal	Study of aluminum Matrix Composite	international conference on modeling, Simulation, and control	Karpagam college of engineering Coimbatore,	15 and 16 October 2015	Material s	--
5.	Internatio nal	Parameter Optimization of welded joints by using GA and NNA Method"	International conference on advances in industrial engineering application	Anna University Chennai	6 August 2014	Material s	--

6.	International	improving mechanical strength on welded joints by using optimization technique	international conference on modeling, optimization and computing	Noorul Islam university kumaracoil	10 and 11 April 2014	Materials	--
7.	International	contact stress Distribution of large diameter ball bearing using Hertzian Elliptical contact theory	international conference on modeling optimization and computing	Noorul Islam university kumaracoil	10 and 11 April 2012	FEA	--
8.	International	analytical and numerical determination of contact stress in large diameter ball bearing using Hertzian elliptical contact theory	IEEE-international conference on advance in engineering, science and management	E.G.S PILLAY Engineering College- Nagapattinam	30 and 31 March 2012	FEA	--
9.	National	Fatigue Crack Growth in High Strength steel under contact cyclic loading	Emerging trends in mechanical engineering (ETME 2012)	KLN College of Engineering, Madurai	02 and 03 April 2012	FEA	--

6. Details of Research Publications in Journals: (Proof: Annexure VI)

S.No.	National/ International	Title of the paper	Name of the Journal	Details (ISSN/ISBN/ pp /Month/Year)	Area of Publication	Co-Author(s)
1.	International	Mechanical and Metallurgical Characterization Of Friction Stir Welded AA6061- ZrO2-C Hybrid MMCs	Materials Today: Proceedings, Elsevier	ISSN(online2214-7853	Materials	Maran.P, K.Arumugam ,Marimuthu.S
2	International	“improving Mechanical Strength on Welded Joints By Using Optimization Technique’	International Journal of Enterprise Network Management	ISSN online 1748-1260 , ISSN print 1748-1252,	Optimization	--
3	International	Friction stir welding of hybrid AA 6061-ZrO2-C composites FSW process optimization using desirability approach	Materials Research Express	ISSN: 2053-1591	Optimization	P Maran, NMurugan, S Marimuthu and T Sornakumar
4	International	Mechanical and tribological behavior of the metal matrix compositeAA6061/ZrO2/C	journal of mechanical science and technology	ISSN: 1738-494X (print version) ISSN: 1976-3824 (electronic version)	Materials	Marn.P, Marimuthu,S, Ganesh KC
5	National	Synthesis and Characterization of Zirconium Dioxide Particulate Reinforced Aluminum Alloy Metal Matrix Composite	Indian Journal of Engineering & Materials Sciences	ISSN: 0975-1017 (Online); 0971-4588 (Print)	Materials	Marn.P, Marimuthu, S, Ganesh
6	International	Correlation of fracture parameters during onset of crack in middle tension specimen	Journal of Computational Design and Engineering-	ISSN: 2288-4300	FEA	Starvin MS, Ganesh KC,

			Elsevier			
7	International	Contact Stress Distribution of Large Diameter Ball Bearing Using Hertzian Elliptical Contact Theory	Procedia Engineering-Elsevier	ISSN: 1877-7058	FEA	Starvin MS, Ganesh KC,
8	International	Verification And Study Of Line Contact Stress In Rail Wheel Application	International Journal of Applied Engineering Research	ISSN 0973-4562	FEA	maheswaran. k.dwaragakannan., n.garavind,

7. Details of Monographs Developed/ Books Published: (Proof: Annexure VII)

S.No.	Title	Co-Author(s)	Publisher	Year
1	DYNAMICS OF MACHINE	R.PANDIYARAJAN	--	2019
2	WELDING TECHNOLOGY	R.PANDIYARAJAN	--	2019
2.	KINEMATICS OF MACHINE	R.PANDIYARAJAN	--	2018

8. Certification : (Proof: Annexure X)

- NPTEL online course Manufacturing system I and II [2017],[Elite]
- NPTEL online course Engineering metrology [2018],[Elite]

9. Any Awards/Appreciation : (Proof: Annexure XI)

- Appreciation for 100% result in ME 6008 welding technology from QC, KLNCE [2017-18].

10. Details of Handled Courses :

S.No.	Course Code	Course Name	Regulation	Program me
1	GE6162	ENGINEERING PRACTICES LABORATORY	R 2013	UG
2	ME6503	DESIGN OF MACHINE ELEMENTS	R 2013	UG
3.	ME6412	THERMAL ENGINEERING LABORATORY - I	R 2013	UG
4.	ME6513	METROLOGY AND MEASUREMENTS LABORATORY	R 2013	UG
5.	ME6602	AUTOMOBILE ENGINEERING	R 2013	UG
6.	ME6611	C.A.D. / C.A.M. LABORATORY	R 2013	UG
7.	ME6008	WELDING TECHNOLOGY	R 2013	UG
8.	ME 8381	COMPUTER AIDED MACHINE DRAWING	R 2017	UG
9	ME8492	KINEMATICS OF MACHINERY	R 2017	UG
10	CE8381	STRENGTH OF MATERIALS AND FLUID MECHANICS AND MACHINERY LABORATORY	R 2017	UG
11	ME8594	DYNAMICS OF MACHINES	R 2017	UG
12	ED5151	COMPUTER APPLICATIONS IN DESIGN	R 2017	PG
13	ED5161	CAD Laboratory	R 2017	PG

11. Other Relevant Information :

It is certified that all the information provided are true to the best of my knowledge.

R.PANDIYARAJAN