

# Dr.P.PARANDAMAN.,M.E.,Ph.D.,

Associate Professor,  
Department of Mechanical engineering,  
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Salem.



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**Area of Specialization:** Design, FEA, SOM, Mechatronics, Engineering Materials, etc..

## (A). Educational Data

Course	Discipline / Specialization	Institution	University / Board	Year of passing	Class
Ph.D	MECH	Anna University	Anna University, Chennai	2017	
M.E	CAD	Government College of Engineering, Salem - 11	Anna University, Chennai	2007	First
B.E	MECH	Government College of Technology, Coimbatore.	Bharathiyar University, Coimbatore.	2002	First

## (B). Employment Data

### (i). Teaching Experience in Educational Institutions:

S.No.	Name of the College	Designation	Date		Total Period
			From	To	
1.	Dhirajlal College of Engineering and Technology, Salem.	Associate Professor	27.06.2017	Till Date	-
2.	Paavai Engineering College, Namakkal.	Assistant Professor	16.06.2014	04.11.2016	2 Years & 3 Months
3.	A V S Engineering College, Salem.	Assistant Professor	23.08.2012	24.05.2014	1 Year & 10 Months
4.	Paavai Engineering College, Namakkal.	Assistant Professor	30.05.2007	31.07.2012	5 Years & 2 Months

### (ii). Industry Experiences:

S.No	Name of the Employer & Address	Nature of Work	Date		Total Period
			From	To	Month
1	Sri Ranganathar Industries (P) LTD, Coimbatore.	Q.C Engineer	20.01.1997	19.01.2004	7 Years

### (C). Academic Awards / Medals / Prizes

S No.	Year	Title of the Award	Award Details
1	2007	Certificate of Merit for Producing > 95 % Results in University Examinations in Manufacturing Technology / 3 <sup>rd</sup> Semester	Certificate
2.	2009	Certificate of Merit for Producing 100 % Results in University Examinations in Design of Transmission System/ 5 <sup>th</sup> Semester	Gold Coin with Certificate
3	2009	Certificate of Merit for Producing 100 % Results in University Examinations in Unconventional Machining Processes/ 6 <sup>th</sup> Semester	Gold Coin with Certificate
4	2010	Certificate of Merit for Producing 100 % Results in University Examinations in Mechanics of Composite Materials/ 2 <sup>th</sup> Semester	Gold Coin with Certificate
5	2017	Certificate of Merit for Producing > 97 % Results in University Examinations in Mechatronics / 7 <sup>th</sup> Semester	Certificate

### (D). Membership in Professional Bodies

S.No.	Name of the Society	Nature of Membership	Membership Number	Membership Dated
1.	The Indian Society for Technical Education, Delhi.	Life Member	LM56007	2008

### (E). Executive Member/ Reviewer for Research Journals

S.No.	Name of Company / Journals	Membership Detail
1.	Mechanical Core Companies	Executive Member
2.	Journal of natural fibers (Taylor and Francis)	Reviewer
3.	Autex Research Journal	Reviewer

## (F). Academic Activities

### (i) Theory Subjects Handled

Sl. No.	Subject	No. of times Handled
01	Engineering Graphics	04
02	Engineering Mechanics	02
03	Strength of materials	02
04	Fluid Mechanics and Machinery	02
05	Kinematics of Machinery	05
06	Engineering Materials and Metallurgy	08
07	Unconventional machining processes	02
08	Metrology and Measurements	02
09	Design of Machine Elements	04
10	Dynamics of machines	02
11	Design of Transmission Systems	05
12	Mechatronics	06
13	Design of Jigs and Fixtures	01
14	Finite Element Analysis	06

### (ii) Practical/Laboratory handled

Sl. No	Subject	No. of times Handled
01	Engineering Practice Lab	03
02	CADD Lab	04
03	Computer Aided Machine Drawing Lab	02
04	Ansys and Simulation Lab	05
05	Mechatronics Lab	06
06	Dynamics Lab	02
07	Metrology and Measurements lab	02

### (iii) Students Projects Guided so far

UG Projects – 15  
PG Projects – 08

## (G). Career Development Programs Attended

### (a) National / International Conferences

Year	National / International	Topic / Title	Organised by	Period
2007	National	"Fluid Flow Analysis of Different Shaped Pipes Using CFD"	XETA -2K7 Jeyam College of Engineering Dharmapuri.	04.04.2007
2014	International	Mechanical behaviour of Sugarcane Bagasse and Coir Fibers Reinforced Composite	International Conference on Advances in Design and Manufacturing (ICAD&M'14), NIT, TRICHY.	05.12.2014-07.12.2014
2014	International	Mechanical behaviour of Sugarcane Bagasse and Banana Fibers Reinforced Composite	Advances in Materials and Manufacturing Engineering (ICAMME' 2014), Sri Sairam Institutions, Chennai.	19.12.2014-20.12.2014

### (b) Seminar/Workshop attended:

Name of the Event	Venue	Title	Period
Workshop IITMRutag	Indian Institute of Technology, Madras.	How to synthesize ideas generated into a structured proposal	16.11. 2017
Workshop	Indian Institute of Technology, Madras.	Friction stir processing of Aluminium alloys and Composites	05.03.2015
Seminar	Vellalar college of Engineering and Technology, Erode	Avenues of Research	28.12.2013
Workshop	Sri Venkateshwara college of Engineering, Chennai	Recent trends in Natural composites and its Hybrids for Structural Applications	25.9.2013 & 26.9.2013
International workshop	The Kauvery Engineering College, Salem	Preparation and Publications of Research Articles in International Journals	28.03.2013
Workshop	KPR Institute of Technology, Coimbatore	Composite Materials	24.8.2012 & 25.08.2012
Workshop	PSG College of Technology, Coimbatore	Testing Of Engineering Materials	17.12.2011 & 18.12.2011

**(c) Winter / Summer programs / QIP short-term courses**

Year	Nature of program	Topic / Title	Organised by	Period
2008	Summer / STTP	AICTE & ISTE Sponsored Programme on “ Development of Teaching Methodology and Pedagogy Including Web Education”	National Institute of Technical Teachers Training & Research, Chennai.	09.06.2008 21.06.2008 (13 Days)

**(H). Research Publications**

Sl. No.	Year	Conference			Journals			Grand Total
		International	National	Total	International	National	Total	
1.	2007	-	01	01	-	-	-	01
2.	2014	02	-	02	01	-	01	03
3.	2015	-	-	-	04	-	04	04
Total				03			05	08

**(I) List of Research Publications:**

- Parandaman, P & Jayaraman, M** 2014, ‘Finite Element Analysis of Reinforced Concrete Beam Retrofitted with Different Fiber Composites’, Middle-East Journal of Scientific Research, vol. 22, no. 7, pp. 948-953. (Annexure II)
- Parandaman, P & Jayaraman, M** 2015, ‘Mechanical Behaviour of sugarcane Bagasse and Banana Fibers Reinforced composite’, Applied Mechanics and Materials, vol. 766-767, pp. 104-109. (Annexure II)
- Parandaman, P & Jayaraman, M** 2015, ‘Experimental Study on the Mechanical Properties of Natural Fibers Reinforced Hybrid Composite’, International Journal of Applied Engineering Research, vol. 10, no. 5, pp. 12009-12019. (Annexure II)
- Parandaman, P & Jayaraman, M** 2015, ‘Mechanical Performance of Coir and Glass Fibre Reinforced Hybrid composite materials for Automotive Brake Pad’, International Journal of Applied Engineering Research, vol. 10, no. 32, pp. 23981-23988. (Annexure II)
- Parandaman, P & Jayaraman, M** 2015, ‘Experimental Investigation on the Mechanical Properties of Jute/Sisal/Glass and Jute/Banana/Glass Hybrid Composite Materials’, European Journal of Applied Sciences, vol. 7, no. 3, pp. 138-144.

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