

Velammal College of Engineering and Technology, Madurai
Curriculum Vitae

1. Name : G. Manikandan
2. Designation : Professor & Head
3. Department : Mechanical Engineering
4. Date of Joining VCET:18.06.2007
5. Qualifications : B.E.(Distn), M.E., Ph.D



6. Teaching / Industrial / Research Experience (Starting from Present Experience)

S. No	Name of the post held	Name of the Employer / Institution	Period of Employment				Teaching/ Industrial/ Research
			From Date	To Date	Years	Months	
1	Professor & Head	Velammal College of Engg & Tech, Madurai	18.06.2007		14		Teaching and research
2	Asst. Professor	PSNA College of Engg & Tech, Dindigul	21.12.1999	15.06.2007	7	6	Teaching and research
3	Lecturer	Thiagarajar College of Engineering, Madurai	01-02-99	30-11-99		10	Teaching
4	Mechanical Engineer	Vaigai Oils	1.04.97	31.07.98	1	3	Industrial
5	Mechanical Supervisor	Vaigai Oils	12.12.90	31.03.97	6	3	Industrial
Total Experience			___22___ years ___ months: Teaching				
			_7___ years _6___ months: Industry				
			___21___ years ___6___ months: Research				

7. Academic Qualifications: (Starting from Highest Qualification)

Degree/ Diploma	Branch/ Specialization	Class	% of Marks/ CGPA	Name of the Institution	F / P / D **	University	Month & Year of Passing
Ph.D	Mechanical Engineering	Com mend ed	9.25out of 10 in Course work	Thiagarajar College of Engineering, Madurai	P	Anna University, Chennai	Dec2008
PG	Mechanical Engineering	First Class	74.83	Thiagarajar College of Engineering, Madurai	F	M. K. University	Dec 1999
UG	Mechanical Engineering	First Class with Distin ction	75.13	Thiagarajar College of Engineering, Madurai	P	M. K. University	April 1997

8. Sponsored Research carried out

Project	Sponsoring Organization	Period	Grant	Investigator Principal/CoPI
Efficient Approach of Coconut Plucking Process – A Human Powered, Safe Mechanical Device	DST	2012-14	23.62	Dr. P. Rajesh Kanna Dr. G. Manikandan – Co PI Dr. V. Anbumalar
Development of Safe, Human powered and low cost Multipurpose machine for firework industry at Sivakasi cluster	DST	2015-17	20.00	Dr. G. Manikandan - PI Dr. V. Anbumalar Dr. P. Rajesh Kanna
Automated button feeding-rivetting machine for Garment Industries	DST	2015-17	16.70 Lakhs	Dr. G. Manikandan - PI Mr. M. Maran Mr. A. Arun Senthil Kumar
8 innovative student projects	MSME	1 Year (2014-2015)	Rs.42.27 lakhs	Dr. G. Manikandan - PI

received grant from MSME, incubated at CIPD-BI (Centre for Innovation and Product Development – Business Incubator), a MSME recognized business incubator				Dr. V. Anbumalar Dr. P. Rajesh Kanna Dr. M. Aruna Mr. N. Dinesh Kumar Mr. A. Mothilal
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9. Consultancy Projects with outcomes

Project	Sponsoring Organization	Period	Grant	Team members
Design and fabrication of Automated Machine for Filling Material	Sri Kaliswari fireworks private limited, Sivakasi	2014	1.83	Dr.G.Manikandan Dr.V.Anbumalar Dr.P.Rajesh Kanna
Vibratory feed mechanism	Penguin Apparels, Madurai	2017	1.50 Lakhs	Dr.G.Manikandan Dr. M. Maran Mr. Arun senthil
Pearl millet removal equipment	EDII Start up NIDHI	2019	10.00	Dr.G.Manikandan Dr.V.Anbumalar

10. Post Ph.D.

Details of Ph.D Supervisor,:

Name of the University as a Recognized Supervisor :Anna University

NIT Durgapur

No. of Research Scholars Registered :3

No. of Research Scholars Completed :2

S. No.	Name of the scholar	Project title	University	Year
1	Ms. S. Sundaravalli	Nondestructive Testing and Evaluation of Defects in Fiber-Metal Laminates using Infrared Thermography	NIT-Durgapur	2013

2	Mr. M. Maran	Assessment of Tangible and Intangible Benefits of TPM Implementation	Anna University Chennai	2017
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11. Publication Details:

Selected List of Publication

Sl. No.	Authors	Title of the Paper	Name of the Journal	Volume and issue No.	Year	Impact Factor	Sl. No. in Annexure I/II
1	B.Varun Kumar G.Manikandan P.Rajesh Kanna	Enhancement of heat transfer in SAH with polygonal and trapezoidal shape of the rib using CFD	Energy	Energy Volume 234, 1	2021	7.147	3178/Annexure I
2	ArunSenthil Kumar ATHINARA YANAN, Manikandan GURUNATHAN, Rajesh Kanna PARTHASARATHY, Jan TALER, Pawel OCLO N, Dawid TALE R	Numerical investigation of heat transfer from flow over square cylinder placed in a confined channel using copper-water nanofluid	Thermal science	Vol. 23, Suppl. 4, pp. S1367-S1380	2019	1.45	11097 / Annexure I
3	Meenakshi Sundar Kannan* , Manikandan Gurunathan	Investigation of forced convective heat transfer from a block located staggered cavity with parallel and anti-parallel wall motion	Thermal Science	Vol. 23, Suppl. 4, S1281-S1288	2019	1.45	11097 / Annexure I
4.	B. Varun Kumar G. Manikandan	A Performance Evaluation of Solar Air	<i>Energies</i>	11, 3104	2018	2.707	S.No : 3328 Annexure I

		Heater Using Different Shape of Ribs Mounted in Absorber Plate -A Review					
5.	Maran, M, Manikandan.G, Thiagarajan. K Sarukesi.K	Competency enhancement and employee empowerment in a TPM organization - an empirical study	International Journal of Advanced Engineering Technology E-ISSN 0976-3945	vol. 7, issue no. 2	2016	-	4842, Annexure I (2016)

Book publications (give the title, publisher & year of publication)	<p>Rejuvenating Acceptance Sampling Plan: Using Taguchi's Loss Function Approach- ISBN-10: 3844382305</p> <p>publication date Aug 16, 2011 publication description LAP LAMBERT Academic Publishing</p> <p>A Book chapter on Overall Equipment Effectiveness Measurement: Weighted Approach Method and Fuzzy Expert System - ISBN 978-94-007-5623-6</p> <p>publication date 2013 publication description Springer Netherlands</p>
Paper : Journal Publication (give the no. of publications)	<p>International : 15</p> <p>National : 1</p>
Paper : Conference Publication (give the no. of publications)	<p>International : 10</p> <p>National : 3</p>

12. Distinctions and Awards received and Patents obtained:

Patent Application No. 4483/CHE/2013
First Examination Report Submitted

CII Madurai Zone

2014 – 2015 **Member - HR Industry Institution Interaction Panel** (2014-15)

SUGGESTED TERMS OF REFERENCE HR & Industry Institute Interaction panel

Certificate of Merit in the National Conference on Sustainable Institute Industry Partnership Strategies & Action Plans - held in IIT-M - Society for Educational & Entrepreneurship Development

Apr 2013

Won the Certificate of Merit in the National Conference on Sustainable Institute Industry Partnership Strategies & Action Plans for the paper entitled "Centre for Innovation and Product Development" - Organized by Society for Educational & Entrepreneurship Development on 3 & 4 April 2013 at IIT Madras.

Certificate of Merit - 2012 IAENG International Conference on Industrial Engineering

Mar 2012

"Overall Equipment Effectiveness Measurement by Weighted Approach Method" Proceedings of the 2012 IAENG International Conference on Industrial Engineering – ISBN: 978-988-19251-1-4 held on March 15&16,2012.

First Prize - Science forum for the Differently-abled of Tamil Nadu Handicapped Federation Charitable Trust

Mar 2012

One of our innovative project titled,"Automatic flushing system for urinals for differently abled persons" Won the First Prize in National Seminar on Marching with Disability conducted by Science forum for the Differently-abled of Tamil Nadu Handicapped Federation Charitable Trust. The event held at Anna University, Chennai on 10-3-2012

Best Paper Award - National Conference on Manufacturing Challenges for the 21st Century, IT, BHU, Varanasi

Jan 2000

won the award for the research paper titled, "Analysis of sampling plans for products with multi characteristics"

TCE Management Prize - Management of Thiagarajar College of Engineering

Apr 2000

First Rank in M.E

TVS Charities Prize - TVS Group of Companies in Madurai.

Jun 1997

First Rank in all semesters of B.E (Mechanical Engineering) [Part-time]

13. Online Courses like COURSERA, MOOC, NPTEL, etc., qualified and Details:

Mission 10x certified Teacher – WIPRO -2008
Certified in Digital Teaching Techniques – ICT Academy 2020

14. Membership of Professional Bodies:

Professional Body	Type of Membership
ISTE	Life Member
International Association of Innovation Professionals	Associate Membership
International Association for Engineers	Life member

Place : Madurai

Date : 28.09.2021

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