

RESUME

Dr. S.MAHENDRAN,
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➤ **Research Area:**

- LEAN MANUFACTURING
- COMPOSITE MATERIALS
- MACHINING, WELDING

➤ **Educational Qualifications:**

Qualification	College/University	Year of completion	Percentage	Class
Ph.D. (Mechanical Engg)	Anna university- Chennai	2017
M.E. (Manufacturing Engg)	Alagappa chettiar Govt. college of Engg and Tech, Karaikudi. / Anna university chennai	2006	76.38 %	First class with distinction
B.E. (Mechanical Engg)	Alagappa chettiar Govt. college of Engg and Tech, Karaikudi. / M.K. University	2003	72.63 %	First class (No history of arrears)
H.Sc	Kalyanasundaram Hr sec school, Thanjavur	1999	87.25%	1047/1200 (Maths= 200/200)
SSLC	Govt High school Orathanadu- Pudur	1997	91.20%	456/500

Experience: (chronological order)

Name of Company / Institutions	Designation of Post	From	To	Experience in Year
Mailam Engineering college, Mailam, Tindivanam.	Lecturer	July 2006	April 2007	1 year
Kings College of Engineering, Punalkulam, Pudukkottai (dt)	Lecturer	June 2007	Nov 2007	0.5 year
MAM college of Engineering, Tiruchirappalli.	Lecturer	Jan 2008	June 2009	1.5 years
University College of Engineering - Thirukkuvalai	Assistant Professor	Aug 2009	Sep 2014	5 years
University College of Engineering – Pattukkottai (Deployment)	Assistant Professor (SL.Gr)	Sep 2014	Dec 2019	5 years
University College of Engineering - Thirukkuvalai	Assistant Professor (SL.Gr) & HOD/Mech	Dec 2019	July 2023	3.5 years
University College of Engineering – BIT campus- Tiruchirappalli	Assistant Professor (SL.Gr)	July 2023	Till date

➤ **Awards / Honours Received:**

1. SKCT- AWARD FOR EXCELLENCE IN TEACHING- 2020.

➤ **Additional / Academic Responsibilities at University:**

- 1. Residential tutor -17/9/2012 to 30/6/2014
- 2. Placement co ordinator (Mech) - 12/08/2015 to 30/06/2017
- 3. Transport officer - 27/07/2015 to 09/12/2019

- 4. Mess co-ordinator- - 04/07/ 2012 to 30/07/ 2013
- 5. Generator –co ordinator - 05/07/ 2018 to 09/12/ 2019
- 6. Time table Co ordinator - 04/07/2010 to 30/6/2014
- 7. ID card Co ordinator - 02/01/2015 to 30/06/2016
- 8. Co operative store incharge - 05/07/2015 to 09/12/2019
- 9. HOD (i/c)/ Mechanical Engg - Dec 2019 to July 2023
- 10. Exam cell co ordinator &
Chief superintendent for univ Exams- March 2023 to July 2023
- 11. NAD Co ordinator - March 2021 to July 2023
- 12. Cycle test co ordinator - Aug 2023 to till date.

➤ **Membership of Scientific and Professional Societies:**

MEMBERSHIP IN PROFESSIONAL BODIES

- Life Member in the Indian Society for Technical Education (ISTE)- 2012to Till date.

➤ **Fellowships and Grants received:**

- Nil

➤ **Completed PG/UG Projects:**

- a. Number of PG Projects Completed: NIL
- b. Number of UG Project Completed: 40 batches

➤ **Research Guidance (Ph.D.) (Completed): 02**

Sl. No	Name of the scholar	Year of registration	Date of Ph.D. viva voce
1.	Dr. SR.Hariharan	Jan 2020	March 2023
2.	Dr. Sakthi S	Jan 2021	Feb 2024

Research Guidance (Ph.D.) (Ongoing): 03

Sl. No	Name of the scholar	Year of registration	Status
1.	Mr.Azhagunambi R	Jan 2021	ongoing
2.	Mrs. Sivaranjani U	Jan 2021	ongoing
3.	Mr.Vimal kumar M	Jan 2022	ongoing

Research Coordinator (Ph.D. Guidance): 02

➤ **Publications:**

a. Books / book chapters:

Book:

1. Experimental Investigation of Aluminium Based Composite: Composite Materials
By S. Sukumar(Author), S. Mahendran(Author), T. T. M. Kannan(Author). Publisher :Scholars' Press
(May- 2021). ISBN- 978-6138953654.

b. International Journals:

Journals Published:

1. **Mahendran, S**, Senthilkumar, A &Jeyapaul, R 2016, 'Lean manufacturing in a manufacturing industry through value stream mapping and simulation study' published in 'International Journal of Advanced Engineering Technology' vol. 7, no. 1, pp. 554-558.
2. **Mahendran, S** &Senthilkumar, A 2012, 'Reducing the wastage in supply chain management using lean principle' published in CIIT International Journal of Automation and Autonomous System, vol 4, no. 7.

3. **Mahendran, S**, Senthilkumar, A & Loganathan, p 2015, 'Analysis of Lean manufacturing in Supply Chain Management- Reference in a Manufacturing industry' published in 'International Journal of Applied Engineering Research', ISSN 0973-4562, vol. 10 ,no.50, pp. 874-878.
4. **Mahendran, S**, Senthilkumar, A & Loganathan, p 2015, 'Wastage reduction by lean supply chain management in manufacturing industry' published in 'International Journal of Applied Engineering Research', ISSN 0973-4562, vol. 10, no. 50, pp. 796-801.
5. **Mahendran, S**, Senthilkumar, A & Jeyapaul, R 2018, 'Analysis of lean manufacturing in an automobile industry- a case study' published in 'International Journal of Enterprise network management" Vol. 9, No.2, pp 129-142. Inderscience Publishers.
6. **Mahendran S**, Senthilkumar A 2018, 'Implementing lean manufacturing principle in an automobile valve manufacturing industry with simulation analysis – a case study', Journal of the Balkan tribological association ,Vol.24, No.3, pp. 600 – 607.
7. **Mahendran S**, Jeyapaul R 2018, 'Preparation of aluminium calcium oxide composite material using stir casting method and testing of its mechanical properties', Comptes rendus de l'Académie bulgare des Sciences, Vol.71, No.10, pp. 1388-1393.
8. **Mahendran S**, K.K. Saravanan 2020, 'Aluminium 6082-boron carbide Composite materials preparation and investigate mechanical-electrical properties with CNC turning', 'Materials Today: Proceedings', Elsevier publications, Vol.21, No.1, pp. 93-97.

c. National Journals:

NIL

➤ **Patents:**

1. Granted a design patent on DESIGN OF MICRO PIN FIXTURE - Approval date- Nov 2021

➤ **Sponsored Research Projects:**

Sl.No	Name of the project	Funding agency	Project value (Rs.)	Duration	Status
	<u>NIL</u>				

➤ **Consultancy Activities:**

Sl.No	Name of the work	Role (PI/Co	Agency	Amount	Duration
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		PI)			
	NIL				

➤ **List of Seminar / Short Term Course /FDP/ Workshop organized:**

➤ **1.National conference Organaised:**

Co-ordinator for National conference on Recent advances in science and Engineering held at University college of Engineering- pattukkottai on 13/04/2017.

➤ **List of Seminar / Short Term Course /FDP/ Workshop attended:**

FDP attended:

- 1. Attended FDTP on ME 2301- THERMAL ENGINEERING organized by department of Mechanical Engineering at UCE-Pattukkottai on 23-6-2014 to 29-06-2014 (7 days).
- 2.Attended FDTP on ME2353- Finite Element Analysis organized by department of Mechanical Engineering at UCE-panruti on 8-12-2014 to 14-12-2014 (7 days).
- 3. Attended FDTP on ME6404- Thermal Engineering organized by department of Mechanical Engineering at UCE-Villupuram on 14-12-2015 to 20-12-2015 (7 days).

Workshop attended:

1. Attended one day national level workshop on nanocomposite materials at Dept of Mechanical Engg. at UCE- pattukkottai on 11/3/2015 (1 day)

2. Attended one day seminar on Recent trends in Mathematics at UCE- pattukkottai on 27/3/2015 (1 day).

➤ **National / International Conferences organized / Participated:**

International conferences Participated:

- 1. Presented a paper “ Implementing lean manufacturing principle in an automobile valve manufacturing industry- a case study” on ICMMS 2016 (International Conference on Mechanical, Materials and Manufacturing systems) held at Sairam Engineering college, Chennai-44 on 24 and 25/2/2016.
- 2. Presented a paper “Applying lean manufacturing principle in an automobile industry- value stream mapping analysis” at International conference on contemporary design and analysis of manufacturing and industrial engineering systems conducted by National Institute of Technology, Trichirappalli on 18/01/2018.
- 3. Presented a paper “Lean manufacturing principle applications in manufacturing industry- value stream mapping tool” at International conference on advances in industrial engineering applications conducted by College of Engineering, guindy, Anna university Chennai on 04/01/2018.

National conferences Participated:

1. Presented a paper “ Analysis of lean manufacturing in supply chain management- Reference in a manufacturing industry” at National conference on Advancements in Mechanical, Environmental, safety and health Engineering at Knowledge institute of Technology, salem on 9/5/ 2015.

➤ **Professional recognitions:** (details like chairperson/member of a committee, reviewer, editor ...etc)

REVIEWER OF JOURNALS AND BOOKS ETC:

- Reviewer of Materials Today- Proceedings, Elsevier publications.
- Reviewer of Advances in Materials Science and Engineering, Hindawipublications.
- Reviewer of Silicon journals publications.
- Reviewer of Fuel- Elsevier publications

(A) Chairperson for conferences / Seminar / Technical symposia:

- Invited as Chairperson and chief guest for Technical symposium conducted at Kings college of Engineering- Pudukkottai (dt) on 16/9/2022.

(B) Guest lectures delivered:

Sl. No.	Guest lecture	Name of the EVENT	Organization	Month & year
1	Resource Person	Faculty Development Programme on Engineering Mechanics	University College of Engineering- Ramanathapuram	Dec 2018
2	Resource Person	Faculty Development Programme on FEA	Government college of Engineering- Thanjavur.	Dec 2018
3	Resource Person	Guest Lecture on Lean Manufacturing.	Kings college of Engineering, Pudukkottai (dt)	Feb 2020

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DECLARATION:

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