

**KNOWLEDGE ASSET 2022-23**



Name: Dr.V.Rathinam  
Designation: Assistant Professor  
Department: Automobile  
Mail I'd: rathinam\_v@vnrvjiet.in

Experience (in years): 24      Teaching: 16      Research: 8      Others (if any, specify): 8

**1. Educational / Technical qualifications:**

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1.	Ph.D	2016	Mechanical - Welding
2.	M.E	2004	Industrial Engineering
3.	B.Tech	1993	Automobile Engineering

**2. Teaching and Learning:**

- 2.1. Teaching Interests: Automobile, Mechanical and management subjects
- 2.2. Novel Teaching & Learning Techniques adopted: WIT & WIL, POGIL, MOOCS
- 2.3. Involvement in curriculum updating / Design:

**3. Co-curricular and Extra-Curricular Activities**

- 3.1. Interests and Hobbies: Collecting information about materials behaviour and characteristics
- 3.2. CCA/ECA Organized:
- 3.3. CCA/ECA participated:
- 3.4. Counseling and Mentoring Activity:
- 3.5. Committees involved in:
  - Department level: NBA doc preparation
  - Institute Level: Show and Tell, POGIL, Parent feedback, Student exit survey

**4. Conference / Workshop / Seminar / Guest Lectures :**

- 4.1 Conducted:
- 4.2 Attended: 1 Workshops and 1 FDPs

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
1	Experimental analysis of low heat rejection engine powered by blends of waste plastic oil and diesel	International journal of Vehicle Structure & systems, vol. 11(2), 130-134, 2019	0975-3060, 0975-3540	0.5	International
2	Effects Of Flux Cored Arc Welding Process Parameters On Ferrite Number Of Solution Annealed Duplex Stainless Steel Clad Metals	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), Vol.8, N.3, 1417 – 1433, 2018.	ISSN (P): 2249-6890	Impact Factor (JCC): 8.8746 NAAS Rating: 3.11 IBI Factor: 3.2	International
3	Optimization of Ferrite Number of Solution annealed duplex stainless-steel cladding using integrated artificial neural network – Genetic algorithm	International Review of Mechanical Engineering, Vol 7, N 7, 1366-1377, 2013	ISSN 1970 - 8734	0.3	International
4	Optimization of Ferrite Number of Solution annealed duplex stainless-steel cladding using integrated artificial neural network – Simulated annealing	Research Journal of Applied Sciences, Engineering and Technology, 7(21): 4464 - 4465, 2014	ISSN 2040 – 7459, e - ISSN 2040 - 7467	0.2	International
5	Processing and characterization of Epoxy-SiC functionally graded polymer matrix composite	Journal of Inorganic and Organometallic polymers and materials	1574-1443, 1574-1451	3.5	International
6	Experimentally exploring nano-fluid of alumina nano-particles enriched waste coconut oil effects in cutting	Materials Today Proceedings - Elsevier	22147853	1.46	International

zone temperature reduction in motor shaft manufacturing process.				
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## 5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures:

5.2. Articles / Chapters published in Books:

5.3. Books published as single author or as editor:

5.4. Projects Guided:

a) UG:      b) PG:

5.5. Research Interests:

5.6. Ph.D. students:

a) Enrolled:                      b) Submitted:                      c) Awarded:

5.7. Papers published in reviewed journals:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
1	Under process				
2					

5.8. Papers presented at National / International Journals:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Effects Of Flux Cored Arc Welding Process Parameters On Ferrite Number Of Solution Annealed Duplex Stainless Steel Clad Metals	-	International Conference	28,29.12.2018
2	“Investigations on the Ferrite Number of Duplex stainless steel claddings”,	-	International conference	6 – 7 May, 2014.
3	“Applications of duplex stainless steel: An overview”,	-	National conference	26 – 27, March 2009.
4	“Estimation of Ferrite Number using Artificial Neural Network – Genetic Algorithm in solution annealed duplex stainless steel claddings”,	-	National conference	11 <sup>th</sup> April 2014.
5	“Analysis of ferrite number of heat treated duplex stainless steel cladding”,	-	National conference	21 <sup>st</sup> – 22 <sup>nd</sup> April, 2004.

5.9. Sponsored research Projects:

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed

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**5.10 Consultancy Projects:**

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed

**6. Awards / Honors received:**

**7. Motto:**