

**Name:** SWETHA S

**Designation :** Assistant Professor

**Department:** Mechanical Engineering

**Mail-ID** : [swetha\\_s@vnrvjiet.in](mailto:swetha_s@vnrvjiet.in)

Experience (in years):10  
specify): **Industry 6yrs**

Teaching: 4 year

Research: NIL Others(if any,

### **1. Educational / Technical qualifications:**

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1.	BE	2003	Mechanical Engineering
2.	ME	2005	Machine Tool Engineering
3	Ph.D		Pursuing

### **2. Teaching and Learning:**

2.1 Teaching Interests: CAD/CAM, Machine drawing, Engineering Drawing, CAM, CAD lab, CAM lab, CAD/CAM lab

2.2 Novel Teaching & Learning Techniques adopted: , VNR Lab Protocol , Power point Presentation, WIT & WIL

2.3 Involvement in curriculum updating / Design: NA

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

3.1. Interests and Hobbies:Reading journals, listening to music, Watching TV.

3.2. CCA/ECA Organized: Nil

3.3. CCA/ECA participated: Nil

3.4. Counseling and Mentoring Activity:

3.5. Committees involved in:

Department level:. Knowledge Asset,

Institute Level: Coordinator for News Bulletin,

Coordinator for WIT WIL repository

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

4.1 Conducted: 01

4.2 Attended: 22

### **5. Academic Contribution and Research & Consultancy:**

5.1. Invited Lectures: Nil

5.2. Articles/Chapterspublished inBooks: Nil

5.3. Books published as single author or as editor: Nil

5.4. Projects Guided :

a) UG : 3

b) PG : NIL

5.5. **Research Interests** : Additive manufacturing, Welding

5.6. Ph.D students :

a) Enrolled : Nil

b) Submitted : Nil

c) Awarded : Nil

5.7. Papers published in reviewed journals: Nil

<b>S. No.</b>	<b>Title of the Paper</b>	<b>Journal Name Vol. No. PP</b>	<b>ISBN/ISSN No.</b>	<b>Impact Factor/ Citation Index</b>	<b>National/ International</b>
1	Development and Applications of HHO Water Based Flame Torch	International Journal of Recent Technology and Engineering (IJRTE) Volume-7, Issue-6S, Pp 515-517	ISSN: 2277-3878	SCOPUS	International
2	Modelling and simulation of a manufacturing industry with integrated lean manufacturing	IJREAM Vol-04, Issue-08, Nov 2018	ISSN : 2454-9150		International
3	Unconventional And 3-D Printing Methods For Thin Film Production-A Comparative Study	National Conference on Physics and Chemistry of Functional Materials (PCFM 2019)	February 21 st -22 nd , 2019		National
4	Non-destructive Evaluation of Elasto-Plastic properties of Inconel Alloy through Micro Indentation	International Journal of Modern Engineering Research (IJMER) Vol. 2, pp. 101-106	ISSN: 2249 6645		International
5	“A Review on Thin Film Production by	Trends in Mechanical Engineering &	Vol-10, Issue-03 ,pp 10-15,Dec 2020.	Scopus Indexed and UGC	International

	Convectional and 3-D Printing Methods”,	Technology,		Listed Journal; Google Scholar Indexed.	
6	“ Modelling and Analysis of Shoulder Traction Surgery Kit ”, 2.	IOP Conference Series: Materials Science and Engineering, Vol-1012, Issue-01,Jan -2021,	doi:10.1088/1757-899X/1012/1/01201	Scopus Indexed and UGC Listed Journal; Google Scholar Indexed.	International
7	,”3D-printing analysis of surface finish”,	Materials Today: Proceedings Vol-43, pp 587-592,Jan 2021.	<a href="https://doi.org/10.1016/j.matpr.2020.12.085">https://doi.org/10.1016/j.matpr.2020.12.085</a>	Scopus Indexed and UGC Listed Journal; Google Scholar Indexed	International
8	Research contribution and potential investigation on friction stir welding for AA2014 material family	Materials Today: Proceedings (2021). Volume 44, Part 1, 2021, Pages 2570-2574	<a href="https://doi.org/10.1016/j.matpr.2020.12.640">https://doi.org/10.1016/j.matpr.2020.12.640</a>	Scopus Indexed and UGC Listed Journal; Google Scholar Indexed	

#### 5.8. Papers presented at National / International Journals :

S. No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Research Contribution and Potential investigation on Friction Stir Welding for AA2014 Material Family	ICMPC Indore	International	11 <sup>th</sup> to 14 <sup>th</sup> December 2020

#### 5.9. Sponsored research Projects: nil

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed

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5.10 Consultancy Projects: nil

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed

6. **Awards / Honors received:**

7. **Motto:** To be a good teacher and improve my knowledge assets day to day. To help students in accomplishing their goals.