

Name : T.MALYADRI  
Designation : Assistant Professor  
Department : Mechanical Engineering  
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Experience (in years): 09      Teaching: 6      Research: 1      Industry : 2

### 1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	UG	2008	Mechanical
2	PG	2012	Engineering Design
3	Ph.D	*	Nano Composites

### 2. Teaching and Learning:

- 2.1. Teaching Interests:
- 2.2. Novel Teaching & Learning Techniques adopted:
- 2.3. Involvement in curriculum updating / Design:

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

- 3.1. Interests and Hobbies:
- 3.2. CCA/ECA Organized:
- 3.3. CCA/ECA participated:
- 3.4. Counseling and Mentoring Activity:
- 3.5. Committees involved in:
  - Department level:
  - Institute Level:

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

4.1 Conducted:

4.2 Attended:

- Presented a paper titled "Cost And Time Effectiveness Through Six Sigma Ecrs Technique- Experimental Study At An Automobile Assembly Plant "at 2nd International Conference on Future Technologies in Mechanical Engineering "(ICFME) held between 28th & 29th December 2018 at Mall Reddy College of Engineering , Hyderabad, Telangana.
- Presented a paper titled" Profile Optimization In Tool Tip For A FSW Process-A Numarical Investigation "at 2nd International Conference on "INNOVATIONS IN MECHANICAL ENGINEERING "(ICIME-2019) held between 4th &5th January 2019 at Guru Nanak Institutions, Ibrahimpatnam, Telangana -501506.
- Presented a paper titled " Synthesize and Characterization of Maleic acid Treated Banana Fiber Composites "at 9th International Conference on Materials Processing and Characterization International Conference "(ICMPC-2019) held between 8th &9th March 2019 at Gokaraju Rangaraju Institute Of Engineering and Technology, Telangana -500090.
- Presented a paper titled " Optimization Of Turning Parameters On Surface Roughness Based On Taguchi Technique "at 9th International Conference on Materials Processing and Characterization International Conference "(ICMPC-2019) held between 8th &9th March 2019 at Gokaraju Rangaraju Institute Of Engineering and Technology, Telangana -500090.

- Presented a paper titled " Sensitivity analysis for process parameters influencing surface roughness of hardened steel in dry machining process "at 10<sup>th</sup> International Conference on Materials Processing and Characterization International Conference "(ICMPC-2020) held between 22<sup>nd</sup> to 24<sup>th</sup> Feb 2020 at Gokaraju Rangaraju Institute Of Engineering and Technology,Telangana -500090.
- Presented a paper titled "An IoT-Based Smart Pet Food Dispenser" in ICIMES-2020, organised by Department of Mechanical Engineering, Malla Reddy College of Engineering & Technology, Hyderabad, India. August 21 – 22, 2020. This paper has been published in the proceedings of ICIMES-2020, Springer – Smart Innovation, Systems and Technologies (SIST) Series.
- Presented a paper titled "An IoT-Based Bomb Diffusing Rover "in the 5<sup>th</sup> International Conference on Big Data and IOT (ICRTBI-2020) Organized by St.Joseph's Institute of Technology, Chennai, Tamilnadu, on 23<sup>rd</sup> and 24<sup>th</sup> of July ,2020.
- Presented a paper titled" Design And Development Of A Safety Arming Device For Armed Forces" In 1<sup>st</sup> International Conference on Sustainable Development in Mechanical Engineering (SDME-2020), 30 & 31 October 2020 organized by VNRVJIET, Hyderabad.
- Presented a paper titled" Design Of Unmanned Guided Vehicle For Rescue Missions" In 1<sup>st</sup> International Conference on Sustainable Development in Mechanical Engineering (SDME-2020), 30 & 31 October 2020 organized by VNRVJIET, Hyderabad.
- Presented a paper titled" Synthesis and Mechanical Characterization of Magnesium Reinforced SiC Composites" In 1<sup>st</sup> International Conference on Sustainable Development in Mechanical Engineering (SDME-2020), 30 & 31 October 2020 organized by VNRVJIET, Hyderabad.

## 1. 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 : 10 b) PG : 1

5.5. Research Interests : Nano Hybrid composites, Analysis of structures, 3D Printing

5.6. Ph.D students :

a) Enrolled : JNTUH                      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	Reliability Centered Maintenance on High Productivity Machines with Managerial Approach	IJETR, Volume-2, Issue-10	2321-0869	1.47	International
2	Profile Optimization In Tool Tip For A FSW Process-A Numerical Investigation	Springer Nature- Lecture Notes in Mechanical Engineering	0028-0836	0.39	International

3	Synthesize and Characterization of Maleic acid Treated Banana Fiber Composites	Materials Today-Proceedings	00002014	0.97	International
4	Optimization Of Turning Parameters On Surface Roughness Based On Taguchi Technique	Materials Today-Proceedings	00002014	0.97	International
5	Sensitivity analysis for process parameters influencing surface roughness of hardened steel in dry machining process	Materials Today-Proceedings	00002014	0.97	International
6	Six Sigma's ECRS Technique to down Cost and Time of Manufacturing – an Experimental Investigation	AIP	0094-243X	0.4	International
7	Experimental Exploration on Influence of Gas Nitriding and chromium coated Piston rings in reduction of Wear and Lubricant Consumption in Petrol Engines	AIP	0094-243X	0.4	International
8	Design And Development Of A Safety Arming Device For Armed Forces	Scientific.net	1662-9752	0.9	International
9	Design Of Unmanned Guided Vehicle For Rescue Missions	Materials Today-Proceedings	00002014	0.97	International
10	Synthesis and Mechanical Characterization of Magnesium Reinforced SiC Composites	Scientific.net	1662-9752	0.	International
11	The Investigation Of Experimental Approach For Evaluating And Testing The Fracture Durability Of MMC	PalArch's Journal of Archaeology of Egypt	1567-214X	0.8	International
12	Effect of moisture absorption on the mechanical properties of jute/glass hybrid sandwich composites	Materials Today-Proceedings	00002014	0.97	International
13	IOT Based Smart Pet Dispenser	Springer	2190-3018	0.9	International

5.8. Papers presented at National / International Journals :

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1				
2				

5.9. Sponsored research Projects:

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed

5.10 Consultancy Projects:

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed

2. **Awards / Honors received:** NO

3. **Motto:** A good Teacher is like a candle- it consumes ifself to Light the way for others