


FACULTY PROFILE

Name of the Faculty:		Dr.D.Vijay Praveen				
Designation:		Assistant Professor				
Department:		Mechanical Engineering				
Date of Birth:		14-05-1983				
AICTE – ID:		1-426126945				
Education		<ul style="list-style-type: none"> B.Tech in <u>Mechanical Engineering</u> from Acharya Nagarjuna University in 2004. M.Tech in <u>CAD-CAM</u> Specialization from Acharya Nagarjuna University in 2007 Ph.D in <u>Mechanical Engineering</u> specialization from Andhra University in 2023. 				
Experience		Teaching: 14 Years	Industry: 3 Years	Total: 17 Years		
		Research: 10 Years	Others: ____ Years			
Research Specialization		Advanced materials and manufacturing, Design, Optimization, Non-conventional machining.				
Courses taught		<ol style="list-style-type: none"> 1. Strength of Materials 2. Fluid Mechanics and Hydraulic machines 3. Engineering Graphics 4. Operations Research 5. Industrial management and entrepreneurship development 				
Research contributions						
International/national peer reviewed journals						
S. No.	Title of paper	Journal	Year	Volume	pages	Indexing SCI/WoS/ SCOPUS, Google scholar)
1	Microstructural, Mechanical and Wear Characterization of AA-2219/Si3N4/ZrO2/Graphite Hybrid Composites for Automotive Applications	Silicon	2023	1	1-13	SCIE

2	WEDM PARAMETRIC STUDY OF AA7075/6 wt.% Ni-COATED Al ₂ O ₃ (P) COMPOSITE MINIATURE GEARS	COMPOSITES THEORY AND PRACTICE	2023	2	89-96	ESCI & SCOPUS
3	Optimization of Laser Beam Machining Process Parameters of HSLA Steel Using MOORA	Advanced Materials Research	2023	1178	23-31	UGC/ Google scholar
4	Investigations on Wear and Friction Characteristics of AA-2024/MOS ₂ /Al ₂ O ₃ HMMCs	Advances in Science and Technology	2022	120	41-50	UGC/ Google scholar
5	WEDM Parametric Study on Machining Responses of AA-6082/MoS ₂ /Al ₂ O ₃ HMMCs	Advances in Science and Technology	2022	120	117-124	UGC/ Google scholar
6	Assessment of Optimal Parameters of Wire EDM on Ni-Coated Al ₂ O ₃ p/AA7075 MMCs Using PCA Coupled GRA	Arabian Journal for Science and Engineering	2021	46/8	7953-7966	SCIE
7	MACHINABILITY ANALYSIS ON WIRE EDM OF 6 WT.% NI-COATED AL ₂ O ₃ P REINFORCED AA7075 MMCS USING TOPSIS	International Journal of Modern manufacturing Technology	2021	13	149-157	SCOPUS
8	Optimization of machining parameters of wire-cut EDM on ceramic particles reinforced Al-metal matrix composites–A review	Materials Today: Proceedings	2020	23	495-498	SCOPUS
9	Influence of nickel coating of Al ₂ O ₃ (P) reinforced AA-7075 metal matrix composites on hardness, impact strength and tensile properties	Materials Research Express	2019	6	126537	SCIE
10	Analysis of Plates Welded With Stiffeners under Harmonic Loading	International Journal for Scientific Research & Development	2015	3	-	UGC/ Google scholar
11	Crash analysis of car chassis frame using finite element method	International Journal of Engineering Research & Technology	2012	1	1-8	UGC/ Google scholar
12	Optimization Of Locomotive Wheel By Using Finite Element Technique	International Journal of Engineering Research & Technology	2012	1	5	UGC/ Google scholar

Books published

S. No.	Title of the book	Publisher	year
1	-Nil-		

Book chapters Published

S.No.	Title of the Chapter	Book title	Publisher	year
1	A note on preparation of electroless nickel coating on Alumina micro-particulates as the Forerunner to reinforce Al-MMCs	Recent Advances in Smart Manufacturing and Materials	Springer Singapore	2020
2	Investigation on Wear Properties of Nickel-Coated Al 2 O 3P-Reinforced AA-7075 Metal Matrix Composites Using Grey Relational Analysis	Trends in Mechanical and Biomedical Design	Springer, Singapore	2020

Details of Patents (Filed & Granted)

S. No.	Applications number	Title of the patent	Date of filing/publishing	Published/granted
1	-Nil-			

Details of Conferences/FDPs/STTPs/webinars/Workshops Organized

S.No.	Name of the event	Role	Dates
1	2 nd International conference on mechanical engineering and emerging technologies-MEET 2023	Co-Coordinator	2-3, March, 2023
2	1 st International conference on mechanical engineering and emerging technologies-MEET 2022	Co-Coordinator	22-23, April, 2022

Details of Conferences/FDPs/STTPs/webinars/Workshops Participated

S.No.	Name of the event	Organized by	Dates
1	On line FDP on Integrated Autodesk Fusion 360 in engineering subjects	Lendi institute of engineering and technology	26/06/2023 to 01/07/2023
2	Recent Trends in Nano materials synthesis and Applications RTNSA-2020	Madanapalli institute of Technology and Sciences, Madanapalli	16/7/2020 to 18/7/2020

3	APPLICATION OF CAD TOOLS IN DRAWING COURSES	GEETANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY,KEESAR A	9/6/2020 to 13/6/2020
4	Modelling and Optimization Techniques for Materials And Manufacturing Processes	Lakireddy Bali Reddy College of Engineering (Autonomous), Mylavaram.	18/5/2020 to 22/5/2020
5	Patent Drafting And Processing With Imporantance of Trademark And Copy Right	JOURNAL OF ADVANCED ENGINEERING RESEARCH	8/5/2020 to 9/5/2020
6	Multi Criteria Decision Making Workshop	Research International (RSRI), Krishnagiri, Tamil Nadu, India.	23/4/2020 to 25/4/2020

Student Project/research guidance

S.No	Level	Total number	
1	UG	Completed: 20	Ongoing: -1-
2	PG	Completed: 10	Ongoing: -Nil-
3	PhD	Completed: -Nil-	Ongoing: -Nil-

Administrative experience

S.No.	Role	Duration (From – to)
1	CAD LAB In-charge	2016- Till
2	IPR Coordinator at the college Level	2022-Till
3	Department Website coordinator	2022-Till
4	P.G. Coordinator	2012-2022

Research credentials

Index/database	ID/Link
Google Scholar	http://scholar.google.co.in/citations?user=dwePq2MAAAAJ
SCOPUS	57212222217
Web of Science	AAC-8011-2020
Vidwan ID	175204

Reviewer in

- **Metals and Materials international : Springer International**
- **Canadian metallurgical quarterly : Taylor and Francis**
- **Mechanics of advanced composite structures: Seman university journal**
- **Multiscale and multi-disciplinary modeling : Springer International**

(D.Vijay Praveen)

(12-9-2023)