BRIEF PROFILE OFTAJ

1	**Name**	:	**TAJ**
2	**Date and Place of Birth**	:	10 october1991, Vizag
3	**Nationality &Religion**	:	Indian, Muslim
4	**Residential Address with Mobile No. and E-mail**	:	TAJ flat no-504,ballas castle, bheemili, visakhapatnam hotelMobile:9642575535 Email:ptaj.smiley@gmail.com
5	**Known Languages**	:	Hindi, English, Telugu, Tamil

6 Qualifications:

S.No	Degree	University	Month & Year of Passing/Awarded	Subject	% of marks Class/Grade Obtained
1	PhD	NIT-AP	JAN.2021	MATERIAL SCIENCE	PURSUING
1	M.Tech.	SRM University	APRIL.2014	CAD	70%-I Class
2	B.E	JNTU	April2012	Mechanical Engineering	70%-I Class

7 Total Services Started from Assistant Professor

Completed Years of Experience: 9 years

S. No.	Designation & Office Address	Period		Nature of duties/ responsibilities
		From	To	
1	Assistant Professor Department of Mechanical Engg Gayatri vidya parishad for degree and PGcourses	2019	Till date	Teaching for Under Graduate
2	Assistant Professor Department of Mechanical	2015	2018	Teaching for Under Graduate

	Engineering MarriLaxman Reddy Institute ofTechnology Hyderabad-500043			
3	Assistant Professor Department of Mechanical Engineering AURORA institute of engineering and technology	2014	2015	Teaching for Under Graduate

8 <u>Publications of Research Papers:</u>

<u>Papers Published in International Journals</u>

1. microstructure based finite element analysis for deformation behavior of mg based composites (science direct)
2. "finite element modelling and analysis of hip joint prosthesis with modular stem" international journal of mechanical engineering and technology (IJMET)
3. fabrication of pneumatic pick and place, international journal of civil engineering and technology (IJCIET)
4. a review on subzero heat treatment for d2steels, international journal of civil engineering and technology (IJCIET)
5. performance and emission analysis of ci engine fueled with the blends of palm oil methyl esters and diesel(ijsdr)
6. Study and analysis of tissue engineering scaffold for human mandibular bone using finite element method (IJMETMR)
7. quick lifting screw jack using spur gear(IJEDR)
8. cryogenic heat treatment for d2 and m2 steels (ICMM, conference)
9. Selection of dream-11 players in T20 cricket by using TOPSIS method (GROWING SCIENCE)
10. Mechanical Characterization of Eco Friendly Hybrid Composites Reinforced with Camel Hair Fiber, Sisal Fiber, and Kenaf Fiber(TUIJIN JISHU/JOURNAL OF PROPULSION TECHNOLOGY)
11. Experimental Study on Surface Characteristics of Inconel 718 Sheets Cutting with Nitrogen - Assist Laser Beam(TUIJIN JISHU/JOURNAL OF PROPULSION TECHNOLOGY)

9 Conferences:

Papers Presented in International/National conferences

1. Enhancing road safety: Alcohol detection and engine locking with GPS & GSM tracking (AISTM-2025, MLRS, Hyderabad).
2. Experimental study on mechanical characteristics of al 6061 metal matrix composite reinforced with corn powder (ICASMMT, MLRIT, Hyderabad)
3. Application of Machine Learning ensemble methods for prediction of surface roughness in FDM parts (ICAM-2024, NIT Warangal).
4. Material selection in conceptual design through QFD-Entropy-Topsis approach (AMEIIM-2022, NIT Raipur).
5. Cryogenic heat treatment for D2 and M2 steels (ICMM, 2020, Gitanjali College of Engineering).
6. Microstructure Based Finite Element Analysis for Mg-Based Composites (ICAAMM 2016, MLRIT, Hyderabad).
7. Material selection in conceptual design of product through QFD- Entropy-Topsis approach (AMEIIM2022), NIT Raipur online international conference on “Advances in Mechanical Engineering, Industrial informatics and management.
8. International Conference on Transformations in Engineering Education IUCEE (ICTIEE,2017)

10. WORKSHOPS:

1. Workshop on ROBOTECHNOLOGIES, IIIT-HYDERABAD has conducted a national level ROBO-FEST,2016
2. Workshop on ANSYS training conducted in IARE, HYDERABAD,2017.
3. Conducted SAE INTERNATIONAL EVENT in MLRIT, Hyderabad2017.
4. Conducted a virtual seminar on ADATE ON TRANSMISSION in GVPCDPGC, Vizag,2021.
5. Conducted a webinar on 3DPRINTING-Ideas to Real products in GVPCDPGC, Vizag,2021.
6. A Two days national workshop on Intellectual property protection and innovation management for competitiveness on Academia &Industries in GVPCDPGC, Vizag,2022.

11. NPTELCOURSES:

1. Awarded certificate for completing 12weeks NPTEL course on Manufacturing process technology I&II.
2. Awarded certificate for completing 12weeks NPTEL course on Advanced Materials and Processes.
3. Awarded certificate for completing 12weeks NPTEL course on Machine Learning.
4. Awarded certificate for completing 12weeks NPTEL course on Advanced composites.

12. PATENTS PUBLISHED

1. Alcohol detection device (Patent number-418305-001)-IPR DESIGN PATENT
2. Design of irrigation pump (Patent number-398357-001)-IPR DESIGN PATENT

13.Faculty Development Programs:

1. An FDP on" get connected before communicating-enjoy your life as a teacher" in MLR institute of Technology.
2. An FDP on “DIGITAL MANUFACTURING” conducted by MLRIT Hyderabad.
3. AWebinaronstatisticaltoolsandenergyengineeringconductedbyShreel.R.TiwaricollegeofEngineeringonMay, 2020
4. AWebinaronthetopicVirtualInteractiveClassroomforTeachers&challengingTechnologiesinpostCOVID-19ERAorganizedbyIFERP onJune,2020.
5. AnFDPonManufacturing&AnalysisofAdvancedMaterialsandEngineeringstructureorganizedbyMLRIT,Hyderabad.2021
6. A One Week Expert lectures on “Emerging research opportunities for Mechanical Engineers” conducted By CMR engineering college, Hyderabad.
7. An online Elementary FDP on “Artificial Intelligence in the Renewable Power Generation conducted by University of Lucknow and certified by AICTE Training and Learning Academy (ATAL).
8. Faculty Development Program on metal additive manufacturing at the icfai foundation for higher education certified by AICTE Training and Learning Academy (ATAL).
9. Faculty Development Program on Empowering Educators with AI in Teaching & Research at sanjay ghodawat institute certified by AICTE Training and Learning Academy (ATAL).

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Signature with Date