C. ABDUL HAKEEM COLLEGE OF ENGINEERING AND TECHNOLOGY
Hakeem Nagar, Melvisharam-632 509

FACULTY PROFILE						
Name	I. Rajkumar					
Gender	Male	**Date of Birth**	14-06-1980	**Age**	43 yrs	
Present Designation	Associate Professor		**Regular / Adjunction**	Regular		
Date of Joining	21-01-2016					
Mobile No.	9443390231		**Email**	rajkumar.mech@cahcet.edu.in		
Highest Educational Qualification	M.E.,		**Specialization**	Manufacturing Engineering		
Additional Qualification	GATE/NET/SLET	Nil				
Total working Experience	18 years	(i) Teaching : 18 Years (ii) Industry : Nil				
Publications	**Journals**		**International Journals**	09	**National Journals**	
	Conferences		**International Conferences**	06	**National Conferences**	
No. of Patent	Nil					
No. of Workshops/ Seminars/ Conferences/ FDP attended	FDP: 06 Workshop: 04 Seminar: 02					
No. of Workshops/ Seminars/ Conferences/ FDP organized	Conference: 03					
No. of UG / PG / Ph.D. Guidance:	UG: 12; PG: 02					
Membership in Professional Bodies	Life Member: 1. INDIAN WELDING SOCIETY (IWS) 2. INDIAN SOCIETY FOR TECHNICAL EDUCATION (ISTE) Member: 3. INDIAN INSTITUTE OF PRODUCTION ENGINEERS (IIPE)					
Awards / Recognition Received	Cash awards for academic results					
Other Responsibilities, if any	1. IWS Student chapter- Coordinator 2. Member – Department Purchase Committee 3. Engineering Practices Lab – In-charge					

JOURNAL DETAILS

International Journals	1. Vijayavel, V. Balasubramanian, I. Rajkumar, Effect of Tool Traverse Speed on Strength, hardness, and ductility of friction –stir – processes LM 25 AA – 5% SiCp Metal Matrix composites**, Metallography, Microstructure and Analysis, 2018, 7(3): 321 – 333, DOI: 10.1007/s13632-018-0442-5.** 2. N. Mathiazhagan, I. Rajkumar, Tensile strength enhancement of AISI 304 and AISI 1040 dissimilar friction weld joints using ANFIS modelling, **International Journal of Engineering and Advanced Technology (IJEAT), 2019, 9 (1): 818-**

	825, DOI: 10.35940/ijeat.A9342.109119. 3. P Vijayavel, I Rajkumar, T Sundararajan, Surface characteristics modification of LM 25 aluminium alloy – 5% SiC particulate metal matrix composites by friction stir processing, **Metal Powder Report, 2021, 76 (3), 140-151.** 4. V Pattusamy, R Ilamurugan, M Govindaraj, A Kasi, Effect of tool diameter ratio on the microstructural characteristics of a solid-state processed aluminum based metal matrix composite, **Materials Testing, 2021, 63 (7), 668-675** 5. P Vijayavel, T Sundararajan, I Rajkumar, K Ananthakumar, Effect of tool diameter ratio of tapered cylindrical profile pin on wear characteristics of friction stir processing of Al-Si alloy reinforced with SiC ceramic particles, **Metal Powder Report, 2021, 76 (2), 75-89.** 6. P Vijayavel, K Ananthakumar, I Rajkumar, T Sundararajan, Influences of tool velocity ratio on wear behavior of friction stir processed LM25AA-5% SiCp metal matrix composites, **Metal Powder Report, 2021, 76 (S1), S39-S49.** 7. P Parasuraman, R Selvarajan, B Visvalingam, R Ilamurugan, Stir zone stress corrosion cracking behavior of friction stir welded AA7075-T651 aluminum alloy joints, **Corrosion Reviews, 2021, 39 (1), 55-62** 8. P Vijayavel, I Rajkumar, G Magudeeswaran, T Sundararajan, Friction stir processing for tensile strength and microstructure enhancement of Lm25 aluminum alloy–5% Sicp metal matrix composites, **Metal Powder Report, 2022, 77 (4). Corrosion** 9. P Prabhuraj, S Rajakumar, T Sonar, M Ivanov, I Rajkumar, DE Raja, Effect of retrogression and reaging (RRA) on pitting and stress corrosion cracking (SCC) resistance of stir zone of high strength AA7075-T651 alloy joined by friction stir welding, **International Journal of Lightweight Materials and Manufacture, 2023, 6 (2), 264-277**
International Conferences	1. Modifying the surface characteristics of stir casted LM25 aluminum alloy reinforced with 5% Sic particulates metal matrix composites by friction stir processing, **International conference on Recent Trends In Metallurgy, Materials Science and Manufacturing 2019 – (IMME -19), NIT Trichy, Dec 2019**. 2. Optimization of friction stir process to attain maximum hardness and tensile strength of aluminum based metal matrix composites, **International conference on innovative research in thermal and manufacturing 2019 – (IRTME'19), Velammal college of Engineering & Technology, Madurai, October 2019.** 3. Optimization of friction stir process parameters to attain maximum hardness in stir zone area of aluminum based metal matrix composites, **International conference o Mechanical and civil engineering (ICOMACE'18), K G Reddy Coll of Engg., Hyderabad, Dec 2018.** 4. Effect of tool rotational speed on wear behavior of friction stir processed (LM 25 Aluminium alloy - 5% SiCp) metal matrix composites**, International Welding Symposium- (IWS-2018), Mumbai, Nov 2018.** 5. Effect of pin profiles on performance of corrosion behavior of friction stir processes LM 25 Aluminum alloy 5 % metal matrix composites, **4th International Conference on Emerging trends in Mechanical Sciences – (ICEMS-2018), Malla Reddy Coll of Engg., & Tech., Secunderabad, June 2018.** 6. Effect of pulsed current on mechanical and metallurgical properties of TIG welded AA 7075 aluminum alloy, **Symposium on joining of materials (SOJOM 2008), Trichy July 2008.**