


Faculty Profile

Name :	A. Maria Jackson					
DateofBirth :	07.05.1991					
HighestQualification:	Ph. D					
DateofJoining :	09.05.2022					
Designation :	Assistant Professor					
Dateofpromotion (PresentDesignation):	Assistant Professor					
AreaofInterest :	Manufacturing, Optimisation, Automobile Engineering, Design.					
MobileNo:	8489503083		EmailID	amjack1991@gmail.com		
Experience :	Teaching:	7Years	Industry :	-	Research:	-
Address (forCommunication) :	GF3, Malas Apartment, Indra nagar, No1 Tollgate, Trichy 621216					

Association with Professional Bodies

Name (Professional Body)	Society of Automotive Engineers			
Type of Membership	Faculty advisor (Annual)			

Research

Ph. D Guidance					
Supervisor / Guide ship No. :		University :		No. of Scholars :	
Publication*					
International Journals :	8	National Journals :			
International Conference :	12	National Conference :			
Project Grants (Research projects guided or undertaken/ Sponsored Projects)					
Received (Amount) :		Applied (Amount) :			
Patent					
Published :		Granted :			

Books

Published :	
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FDPs / STTPs / Workshops / Seminars etc.,

FDP		STTP		Workshop		Seminar		Others	
Attended :	10	Attended :	2	Attended :	3	Attended :	10	Attended :	
Organized :		Organized :		Organized :	6	Organized :	10	Organized :	

Online courses (NPTEL, MOOC etc.)	5
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***List of Publications :**

1. **A. Maria Jackson**, N. Baskar, et al. "Evaluation of Stir Cast Al-SiC Metal Matrix Composite by Energy-Dispersive Spectroscopy and Study of Influences of Milling Parameters by Particle Swarm Optimisation" *Journal of the Brazilian Society of Mechanical Sciences and Engineering. J Braz. Soc. Mech. Sci. Eng.* **44**, 125 (2022). <https://doi.org/10.1007/s40430-022-03413-1>
2. **A. Maria Jackson**, N. Baskar, K. Palanisamy, et al. "Multi-objective optimization for production and quality enhancement in milling of Al 7075 using grey relational analysis", *AIP Conference Proceedings* 2395, 040010 (2021); doi.org/10.1063/5.0068382 Published Online: 18 October 2021
3. **A. Maria Jackson**, N.Baskar, R.Sabarish, S.Mohan Raj, A.Annis Ahmed, "Productivity and quality improvement by optimization of milling parameters of super alloy", *Materials Today: Proceedings*, June 2020.
4. **A. Maria Jackson**, M. Kulasekarapandi P. Dinesh "Genetic Algorithm Approach to Optimization of Milling Parameters of Al 7075 alloy", *Journal for the Study of Research, Studia Rosenthaliana*, ISSN NO: 1781-7838, Volume XII, Issue IV, 200 – 207, Apr-2020.
5. **A. Maria Jackson**, N. Baskar "Experimental Evaluation of Milling Process Parameters on OHNS" *SSRG International Journal of Mechanical Engineering* – special issue April 2018.
6. **A. Maria Jackson**, Prasad, Surya, "Optimisation of welding parameters of Flux Core Arc Welding (FCAW) of EN 24 & SS409 stainless steel for better Tensile strength and Hardness", *International Journal of Technical Innovation in Modern Engineering & Science(IJTIMES)*, Vol. 03, Issue. 03, April_2017
7. **A. Maria Jackson**, et, al., Productivity improvement in steering knuckle machining line using lean principles, *International Advanced Research Journal in Science Engineering and Technology*, Vol:2, Issue: 12, 132-136, Dec 2015, ISSN 2393-8021.
8. **A. Maria Jackson**, et, al., Comparative analysis of chosen tolerance stack up methods and development of an improved tolerance analysis method, *Applied Mechanics and Materials*, Vol: 813-814, 954-958, Nov 2015.