# <u>Profile</u>

Name of the Faculty	Dr. S. Sapthagiri	
Designation	Professor	
Department	Mechanical Engineering	
Area of Interest	Advanced Manufacturing	
	Process, Composite Materials,	
	Applications of ML Techniques	00
	in manufacturing process,	
Subjects Taught	Automation, Robotics,	
	Manufacturing Processes,	
	CAD/CAM, Advanced Machining	
	Processes	
JNTUH Registration Id	56150404-131739	
College Staff Code	SC1359	
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### Educational Qualifications:

S. No.	Degree	Specialization	University/College	Year
1	PhD	Mechanical Engineering	Jawaharlal Nehru Technological University, Hyderabad	2018
2	Master of	Production	Gulbarga University,	1997
IJ	Engineering	Engineering	Gulbarga	
2	Bachelor of	Mechanical	Amravati University,	1995
3	Engineering	Engineering	Amravati	_,,,,

#### Paper Publications:

S. No.	Publication details
1	"Influence of Elevated Temperatures on Flexural Strength of Polysialate Composite" International Conference on Multifunctional Materials (ICMM-2019) AIP Conf. Proc. 2269, 030028-1–030028-6; Published by AIP Publishing.
2	ThermalDegradationStudyforManufacturabilityofPolyetheretherketone/HydroxyapatiteBoneImplantComposite"InternationalConferenceonMultifunctionalMaterials(ICMM-2019)AIPConf.Proc.2269,030028-1-030028-6;Published by AIPPublishing.StateStateStateState
3	"Flexural& Fracture Analysis on 2D and 3D Weaved Carbon - Silicon Carbide Composites" Recent Trends in Mechanical Engineering select proceedings of ICIME2019- Lecture Notes in Mechanical Engineering-Springer publications, ISBN 978-981-15-1124-0 (eBook) pp.445-468.
4	"Data Mining Approach for Quality Prediction and Fault Diagnosis of Injection Molding Process" Indian Journal of Science and Technology, Vol. 10 (17), DOI: 10.17485/IJST/2017/v10i17/112580, May 2017, pp.1-7.
5	"Evaluation of Mechanical Properties and Defects Detection by Radiography for High Strength Al MMCs Prepared by Stir-Casting Method" International Journal of Research in Engineering and Applied Sciences, Vol. 6 Issue 6, June, 2016, pp. 39-44. ISSN 2249-3905.
6	"Data Mining Approach for Quality Prediction and Improvement of Injection Molding Process through SANN, GCHAID and Association Rules" International Journal of Mechanical Engineering & Technology (IJMET), Volume 07, Issue 6, Nov- Dec 2016, pp31–40.
7	"Data Mining Approach for Quality Prediction of Injection Molding Process through STATISTICA SVM, KNN and GC&RT Techniques" International Journal of Mechanical Engineering & Technology (IJMET), Volume 07, Issue 6, Nov-Dec 2016, pp.22-30.
8	"Analysis of Static and Dynamic Strength of Al Based MMCs Used as A 9Skin of High speed Aerospace Vehicle" International Journal of Engineering Research and Development, Volume 12, Issue 10, 2016, pp.35-43.
10	"Optimization of Machining Parameters with Minimum Distortion of a Thin Wall and Thin Floor Avionic Component" International Journal of Emerging Technology and Advanced Engineering, Volume 6, Issue 7, July 2016 pp 154-159. ISSN 2250– 2459(Online).
11	"Modeling and Static Structural Analysis of Aero plane Wing by Considering Various Alloy Materials" IASTER's International Journal of Research in Mechanical Engineering, Vol.4, Issue 4.
12	"High Strength Alloy Preparation with Metal Matrix Composites for Structural Evaluation and Aerospace Applications" International Journal of Engineering Trends and Technology (IJETT) – Volume 36 Number 4- June 2016-pp 208-212. ISSN: 2231-5381
13	"High Strength Alloy Preparation with Metal Matrix Composites for Aerospace Applications" Anveshana's International Journal of Research in Engineering and Applied Sciences, Vol. 1, Issue 5, May, 2016, pp 98-104.

14	"Analysis and Evaluation of Fracture Behavioral of Aluminum Ally in various
	Applications international journal of innovations on Engineering and recinology
	Volume 05, Issue 4, August 2015, pp28-37. ISSN: 2319-1058.
1 -	"An Investigation of Microstructures of Al 6061 Alloy and The MMC Al6061, TiB2
15	and Nickel" International Journal of Research in Engineering and Applied Sciences,
	Volume 5, Issue 11, November, 2015, pp167-177. ISSN 2249-3905.
10	"Heat Flux and Temperature Distribution Analysis of I C Engine Cylinder Head
16	using ANSYS" International Journal of Advanced Research Foundation Volume 2,
	Issue 5, May 2015, pp11-15. ISSN: 2394-3394.
. –	"Comparison of Mechanical Properties on 15CDV6 Steel Plates by TIG- Welding
17	with and without copper coated filler wires" International Journal of Advanced
	Research Foundation Volume 2, Issue 5, May 2015, pp16-20. ISSN: 2394-3394.

## **Books/Book Chapters Published**:

S.	No.	Publica	tion de	etails							
		"Fundam	nentals	of Co	omputer	Aided	Design	and	Manufa	acturii	ng"
	1	Krishna	Publica	tions	House,	ISBN:	978-93-	-90622	7-39-4,	Year	of
		Publicatio	on: 2020	)							

## Experience:

Teaching	22 Years	
Industry	02 years	
Research		
Total Experience	24 Years	