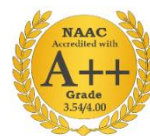





SETHU INSTITUTE OF TECHNOLOGY

(An Autonomous Institution| Accredited with 'A++' Grade by NAAC)

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Department of Mechanical Engineering					
Name	S K RAJESHWARAN				
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Experience	Industry	Teaching	Others	Total	
	0	1 years 8months	-	1 years 8months	
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Area of Specialization	CAD/CAM				
Courses taught	Thermal engineering, Machine drawing, Additive manufacturing Design of machine elements, Design of hydraulic and pneumatics system, Manufacturing technology, Jigs, fixtures and gauges, Measurement and instrumentation.				
Research Focus	DESIGN , ANALYSIS AND MANUFACTURING				
Subject Competency	Design of machine elements, Jigs, fixtures and gauges				
No. of papers published	National Journals		International Journals		Conferences
	3		3		5
PG Specialization	M.E – CAD/CAM				
Patents (Filed & Granted)	4				





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Academic Credentials

Level	Degree	Specialization	University	Year of Completion
UG	B.E	MECHANICAL ENGINEERING	SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY	2020
PG	M.E	CAD / CAM	SETHU INSTITUTE OF TECHNOLOGY	2022

Details of Journal Publication:

1. J90920889 : Design and Fabrication of Semi-Automated Lawn mower.
2. Matpr.2020.06.339 : Design and Analysis of Air Powered Vehicle Frame
3. MATPR-D-21-11292R1 : Preparation and characterization of AZ63A/Boron Nitride composites using hybrid mechanical and ultrasonic assisted Stir Casting.
4. Analysis of hybrid natural fiber composite for Bio-medical application.
<http://irjges.com/Volume7Issue4/paper5.pdf>
5. Vibration Control on Cantilever beam using shape memory alloys
<http://jrrset.com/2023/April/paper3.pdf>
6. Design and analysis of semi-automated grass cutter
<http://www.ijrmmae.in/Volume7Issue4/paper6.pdf>

Details of Conference attended:

1. GTMTS-2024 : Design and Structural Analysis of Helical compression spring by using ansys workbench.
2. GTMTS-2024 : cleaning of solar panel by using robot.
3. GTMTS-2024 : Fabrication of mobile operated medical assistance robot in hospital.
4. GTMTS-2024: Production of kappa PE Oil pump and Assembly.
5. International Conference On Cloud Computing And Intelligent System (ICCIS 225) : Design ,Structural Analysis And Fabrication Of Air Powered Vehicle.

Details of Patents Filed and Granted:

1. Fabrication of Air Powered Vehicle For Transportation IN 202041000112 · Issued Jan 31, 2020
2. Semi-Automated Lawn mower IN 202041004299 · Issued Feb 7, 2020
3. Smart Agricultural Monitoring Network Using IoT-Based Soil and crop Sensing Device, application number- 202541057321.
4. ML Based Autonomous Weeding Robot.