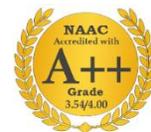




# SETHU INSTITUTE OF TECHNOLOGY

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

Pulloor, Kariapatti –Taluk. Virudhunagar Dist-626115.



<b>Department of Mechanical Engineering</b>					
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<b>Experience</b>	Industry	Teaching	Others	Total	
	--	10 years 6 months	--	10 years 6 months	
<b>Date of Joining the Institution</b>	01.06.2016				
<b>Area of Specialization</b>	<b>Engineering Design, Welding Technology</b>				
<b>Courses taught</b>	Engineering Graphics Engineering Mechanics Kinematics of Machinery Mechatronics and IoT Manufacturing technology				
<b>Research Focus</b>	<b>Welding Technology, Optimization</b>				
<b>Subject Competency</b>	Engineering Graphics Engineering Mechanics Kinematics of Machinery				
<b>No. of papers published</b>	National Journals	International Journals	Conferences		
	<b>3</b>	<b>1</b>	<b>3</b>		
<b>PG Specialization</b>	<b>Engineering Design</b>				
<b>Patents (Filed &amp; Granted)</b>	<b>1</b>				

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### ***Academic Credentials***

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UG	B.E.,	MECHANICAL	ANNA UNIVERSITY	2010
PG	M.E.,	ENGINEERING DESIGN	ANNA UNIVERSITY	2015

#### **Details of Journal Publication:**

1. Naveen Navroz S, Devanand S, **Saravanan S**, “Implementation of cellular manufacturing in pump industry”, at 1st International conference on Science, Engineering and Technology (ICSET - 2022) held at Nehru Institute of Engineering College and technology on 15th& 16th April 2022.
2. ArunPrabhakaran M, Gangadharan T, Ramachandran V, **Saravanan S**, “Characterization of diamond like carbon (DLC) coatings by pulsed magnetron sputtering for cutting tool applications”, at International conference on Advances in Materials, Computing and Commination Technologies, (ICAMCCT’21) held at AnnaiVailankanni College of Engineering on 10th April 2021.
3. **S Saravanan**, Pandian Pitchipoo, “Optimization of GMAW parameters to improve the mechanical properties”, Published in Applied Mechanics and Materials, 2015, Volume – 813, Pages 456-461
4. **S Saravanan**, K Ganesan, “Mechanical testing of epoxy bonded eco-friendly natural fibre composite material”, Published in International Journal of Computer Aided Engineering and Technology, 2017, Volume 9, Issue 2, Pages 241-250

#### **Details of Conference attended:**

1. Paper titled “Implementation of cellular manufacturing in pump industry” International conference on Science Engineering and Technology (ICSET - 2022) held at Nehru Institute of Engineering College and technology on 15th& 16th April 2022
2. Paper titled “Characterization of diamond like carbon (DLC) coatings by pulsed magnetron sputtering for cutting tool applications”, at International conference on Advances in Materials, Computing and Commination Technologies, (ICAMCCT’21) held at Annai Vailankanni College of Engineering on 10th April 2021.

3. Paper titled "Optimization of GMAW parameters to improve the mechanical properties", International conference on (ICMME – 2015) held at SCSVMV University, kanchipuram.

**Details of Patents Filed and Granted:**

1. Dr. K. Arun Balasubramanian, Dr. G. Nagaraj, G. K. Thamil Selvan, T. P. Balaji, C. Tamilarasan, P. Karuppasamy, **S. Saravanan**, and B. Rajesh Kannan filed a design patent in December 2024, titled "Radiation Intensity Sensor Mounted Solar Panel System".