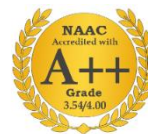





SETHU INSTITUTE OF TECHNOLOGY

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Subject Competency	Machine Learning Object Oriented Python Programming				
No. of papers published	National Journals	International Journals		Conferences	
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Details of Journal Publication:

1. K. Thavasilingam, A. S. Kumar, D. Sakthimurugan, and P. Meenatchisundaram, "Synthesis and characterization of fumed silica dispersed bees/carnauba wax-epoxy biocomposite coating: a comparative study," *Biomass Conversion and Biorefinery*, vol. 13, no. 8, pp. 7375–7383, Mar. 2023, doi: 10.1007/s13399-023-04112-0
2. P. Meenatchisundaram, M.S. Zakir Hussain, C. Muthusamy and K. Vinayagar, "AXIAL CRUSHING ANALYSIS OF CIRCULAR TUBES WITH DIFFERENT MATERIALS USING FINITE ELEMENT METHOD," *International Journal of Engineering Technology and Management Sciences*, vol. 8, no. 1, pp. 27–33, Jan. 2024, doi: 10.46647/ijetms.2024.v08i01.004
3. Meenatchisundaram Paramasivam, Muthusamy Chinnian, and Vinayagar Karanthamalai, "Experimental and numerical analysis of the impact behavior in truncated thin-walled tubes under axial loading," *Materials Testing*, Jul. 2025, doi: 10.1515/mt-2025-0085.
4. K. Thavasilingam, P. Meenatchi Sundaram, D. Sakthimurugan, K.G. Ashok, "DESIGN OF WELDING MANIPULATOR FOR AXIAL FAN ID HOUSING," *www.IJRAR.org*, May 01, 2019. https://ijrar.org/viewfull.php?&p_id=IJRAR19K9944
5. C. Prasath, P. Meenatchisundaram, S. Prushothaman and T.P. Balaji, "A Study of Implementing Lean Manufacturing Technique in Paint Shop Floor of an Tractor Manufacturing Company," *International Journal of Applied Engineering Research*, vol. 10, no. 28, pp. 22035–22039, 2015, [Online]. Available: https://www.ripublication.com/ijaer_spl/ijaerv10n28spl_40.pdf
6. P. Meenatchisundaram, M. Elango and C. Prasath, "Image Recognition Methodology for Identifying Recyclable Components from Waste Printed Circuit Boards," *International Journal of Applied Engineering Research*, vol. 10, no. 28, pp. 22105–22109, 2015, [Online]. Available: https://www.ripublication.com/ijaer_spl/ijaerv10n28spl_53.pdf
7. S. Senthil, M. Jaheerhussain and P. Meenatchi Sundaram, "A Multi Criteria Decision Making Methodology for Material Selection using Inner Product of Vectors," *International Journal of Applied Engineering Research*, vol. 5, no. 23-24, pp. 3627– 3632, 2010, [Online]. Available: https://www.ripublication.com/ijaerv5/ijaerv5n23-24_3.pdf
9. https://www.ripublication.com/ijaerv5/ijaerv5n23-24_3.pdf

Details of Conference attended:

1. 4th International Conference on Advances in Automobile, Manufacturing, Automation & Mechanical Engineering (ICAAMME'25) held at Easwari Engineering College, Chennai on 19th March 2025.
2. 11th International Conference on Recent Advances in Mechanical Engineering (RAME-24) held at P.S.R Engineering College, Sivakasi on 5th & 6th April 2024.
3. 1st International Virtual Conference on Emerging Trends in Mechanical Engineering (ICETME-2021) held at Easwari Engineering College, Chennai on 6th and 7th September 2021.
4. 8th National Conference on Global Technologies in Manufacturing and Thermal Sciences (GTMTS 2023) held at Sethu Institute of Technology, Kariapatti on 23rd and 24th February 2023.
5. International Conference on Emerging Trends in Science, Engineering and Technology (ICETSET 2K23) held at Fathima Michael College of Engg & Tech, Madurai on 28.06.2023.
6. National Conference on Safety and Fire Engineering (SAFE'19) held at Cochin University of Science and Technology, Kochi on 12th and 13th December 2019.
7. International Conference on Advanced Design and Manufacturing (ICADM 2015) held at Sethu Institute of Technology, Kariapatti on 10th April 2015.
8. International Conference on Advanced Design and Manufacturing (ICADM 2014) held at Sethu Institute of Technology, Kariapatti on 17th & 18th March 2014.

Details of Book Chapter and Books Published:

K. Thavasilingam, D. Sakthimurugan, K. Giridharan, A. P. Kumar, and P. Meenatchisundaram, "Electrochemical Machining," in *Electrochemical Machining*, 2025, pp. 115–125. doi: 10.1002/9781394301744.ch9.

Details of Patents Filed and Granted:

202441027805 A, "Tailoring the Thermo Mechanical Properties of High-Performance Aerospace and Automotive Composite Materials", 2024.