

## **PUBLICATIONS**

### **• International Journal – Papers Published**

#### **Journals**

- Sowmya C, Ramesh V, Savitha M, Mallaradhya H M “ Enhancing Productivity Through LeanManufacturing in the Automotive ComponentsIndustry: A Case Study in Line Balancing” Journal of Advanced Manufacturing Systems, NOV 2025, ISSN:0219-6867, DOI: 10.1142/S0219686727500193
- “Enhancing Productivity Through Lean Manufacturing in the Automotive Components Industry: A Case Study in Line Balancing” Journal of Advanced Manufacturing Systems, NOV 2025, ISSN:0219-6867 DOI: 10.1142/S0219686727500193
- Optimizing Production Line Efficiency Through A Standardized Work Tool: A Case Study, Power System Technology, ISSN: 1000-3637, Volume 48, Issue 2(July 2024)
- “Design Optimization and Implementation of an Automated Storage and Retrieval System” Journal of Mines, Metals & Fuels, Journal of Mines, Metals & Fuels, 71(2):247-254;2023
- C.Sowmya, Karibasavaraja D, Ravindra Naik titled “Experimental Analysis of Fracture toughness of EN9 and EN31 steel under double layer of Electroplating materials with different varied thickness” IOP conference Series Materials Science & Engineering 1065 (2021) 012012.
- Sowmya C, Dr. V Ramesh, Vijaya Kumar P titled “Man Power Reduction in Moulding Operations through SWCT Study Technique” Journal of Engineering and Management TEST, ISSN: 0193-4120, Vol 83, Page No. 8284 – 8292, March-April 2020 (Scopus Indexed).
- C.Sowmya, V.Ramesh, Karibasavaraja D titled “An Experimental investigation of Novel hybrid composite material using Hemp and Jute fibers and Its Mechanical Properties through Finite Element Method” International conference on materials, manufacturing and modeling, Materials Today Proceedings published in Elsevier, ISSN: 2214-7853, Vol 5, Issue 5, part 2, pages 13309-13320, 2018 (Web of Science).
- C.Sowmya, Karibasavaraja D, Dr. V Ramesh and Skanda M.G titled “The Effects of Electroless Nickel Phosphorus Deposition, pH and Temperature with the Varying Coating Bath Parameters on Impact Energy by Taguchi Method” International Journal of Mechanical, Aerospace, Industrial, Mechatronic and Manufacturing Engineering (WASET) Vol:11, No:4, 2017.

- **National Journal - Papers Published**

- **International Conference - Papers Presented**

- Sowmya C, Detachable Electric WheelChair, International Conference on Recent Trends in Energy, Environment, Science and Technology (CREEST -2K25) UKF college of Engineering and Technology 7 May 2025 to 9 May 2025.
- Development and Fabrication of Multipurpose Agriculture Machine, International Conference on Recent Engineering and Technology -2025, East west college of Engineering, Bangalore 17/05/2025 to 18/05/2025
- Presenter Research Paper on “Minimizing In-Process Inventory and Labour Movements: A Lean Approach” DRC Research Conference 1.0 conference held on 7 – 8<sup>th</sup> Feb 2025 at JSS Science & Technology University.
- Sowmya C, Detachable Electric WheelChair, International Conference on Recent Trends in Energy, Environment, Science and Technology (CREEST -2K25) UKF college of Engineering and Technology 7 May 2025 to 9 May 2025.
- Development and Fabrication of Multipurpose Agriculture Machine, International Conference on Recent Engineering and Technology -2025, East west college of Engineering, Bangalore 17/05/2025 to 18/05/2025.
- Presented Technical Paper titled “Man Power Reduction in Moulding Operations through SWCT Study Technique” in the 2<sup>nd</sup> International conference on Advances in Mechanical Engineering Sciences (ICAMES – 2K20) organized by PES college of Engineering Mandya, Karnataka on 28<sup>th</sup> to 29<sup>th</sup> Feb 2020 .
- Presented Technical Paper titled “An Experimental investigation of Novel hybrid composite material using Hemp and Jute fibers and Its Mechanical Properties through Finite Element Method” in the International conference on materials, manufacturing and modeling, held during March 9<sup>th</sup> – 11<sup>th</sup> 2017 at VIT – University, Vellore.
- Presented Technical Paper titled “Development of hybrid composite material using Hemp and Jute fibers” in Advance Material, Manufacturing, Management and Thermal sciences, held at Siddaganga Institute of Technology. Tumkur during 3<sup>rd</sup>- 4<sup>th</sup> May 2013.

- **National Conference – Papers Presented**

- Presented Technical Paper titled “NANOBOTS” in TECHPRE – 12.0, a ZONAL LEVEL Technical Paper Presentation Competition Organized by The Institution of Engineers,(India) and Vidya Vikas Institute of Engineering and Technology, Mysuru.