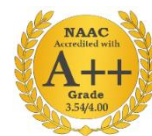





SETHU INSTITUTE OF TECHNOLOGY

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Patents (Filed & Granted)	1				



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Details of Journal Publication:

1. G.K.Thamilselvan, SM.Kannan, Random ordering method of selective assembly for optimizing maximum assembly using real coded genetic algorithm, International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.28 (2015)
2. C.Tamilarasan, G.K.Thamilselvan, J.Umarmohammed, S.Mothilal, Reduce the defects in gate valve and thereby improving the quality of gate valve, International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.28 (2015)
3. J. Vairamuthu, G.K. Thamilselvan, J Jason, Finite element simulation of CFRP elevator car frame buffer crash using Ansys, International Journal of Research in Mechanical, Mechatronics and Automobile Engineering(IJRMMAE), Volume 8 Issue 4, January – March 2023 - www.ijrmmae.in – Pages 16-30.
4. Thamilselvan G.K, Muralikannan R, Anandha Natarajan V, Boopathyathinam P, Experimental investigation and Finite element simulation of Plasma Arc welding to improve current rate using stainless steel material, International Journal on recent researches in Science, Engineering and Technology (IJRRSET), volume 10 issue 2- Feb.2022- pages 1-18.
5. David Gnanaraj J, Arun Balasubramanian K, Thamilselvan G.K, Raghavendra Rao S, Reduction of overall manufacturing expenses for both simple and complex assemblies, International Journal on recent researches in Science, Engineering and Technology (IJRRSET), volume 9, issue 3- March .2021- pages 27-33.
6. Thamilselvan G.K, Vairamuthu J, Syed Ibrahim A, Siddhanandhakumar M, Polymer carbon Nano composites: Synthesis and characterization International Journal on recent researches in Science, Engineering and Technology (IJRRSET), volume 9 issue 4- April.2021- pages 1-21.

Details of Conference attended:

1. Jason J, Vairamuthu J, Thamilselvan G K, "Finite element simulation of CFRP elevator car frame buffer crash using ansys", at International Conference on Advances Emerging Trends in Science, Engineering and Technology (ICETSET - 2023) held at Fatima Michael College of Engineering and Technology on 28th June 2023
2. Boopathirathinam P, Muralikannan R, Thamilselvan G K, Anandha Natarajan V, "Experimental investigation and finite element simulation of plasma arc welding improve current rate using stainless steel material", 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.
3. Ragavendra Rao S, David Gnanaraj J, Thamilselvan G K, "Reduction of overall manufacturing expenses for both simple and complex assemblies" at International conference on Advances in Materials, Computing and Communication Technologies, (ICAMCCT'21) held at AnnaiVailankanni College of Engineering on 10th April 2021.

Details of Patents Filed and Granted:

1. Dr. K. Arun Balasubramanian, Dr. G. Nagaraj, G. K. Thamilselvan, 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".