

Publications :

International Journals

1. Sushant Gautam, Vandana Agrawal, "Feature curve extraction from data points", IOP Conference Series: Materials Science and Engineering, 1136, 2021, 012004
2. Rajneesh Jaisawal, Vandana Agrawal, "Generative Design Method (GDM) - A State of Art", IOP Conference Series: Materials Science and Engineering, 1104, 2021, 012036
3. Vandana Agrawal, Naveen Agrawal, "Hole Filling Method for Triangular Mesh Generation", International Journal of Innovative Technology and Exploring Engineering, Blue Eyes Intelligence Engineering and Sciences Publication, 8(7), 2019, 1271-1276
4. Vandana Agrawal, "Parameterization of Unorganized Point Cloud Data for B-Spline Surface Fitting" International Journal of Innovative Technology and Exploring Engineering, Blue Eyes Intelligence Engineering and Sciences Publication, 8(4), 2019, 2278-3075
5. Vandana Agrawal, "Triangular Modeling using Delaunay based region growing approach", International Journal of Engineering and Technology, Science Publishing Corporation, 7(4), 2018, 6747-6755, doi:10.14419/ijet.v7i4.20322
6. M.K. Gupta, Niraj Chowdhary, Vandana Agrawal, "Static and dynamic mechanical analysis of hybrid composite reinforced with jute and sisal fibres", Journal of the Chinese Advanced Materials Society, Taylor and Francis, 6(4), 2018, 666-678, doi:10.1080/22243682.2018.1539643
7. Sachin Nigam, Vandana Agrawal, " A Review: Curvature approximation on triangular meshes" International Journal of Engineering Science and Innovative Technology, IJEIT Publication, 2(3), 2013

International Conferences

1. Vandana Agrawal, "Application of octree decomposition for segmentation of unorganized point cloud data", International Conference on Advances in Mechanical Engineering and Nano Technology (ICAMEN) 2021, Department of Mechanical Engineering, Manipal University Jaipur, India and Research and Consultancy Section, National Institute of Technology Uttarakhand, India, March 18-19, 2021, Department of Mechanical Engineering, Manipal University Jaipur
2. Manoj Kumar Kushwaha, Vandana Agrawal, "Design of Chip Cooling System", Proceedings of 1st International Conference on Innovation Technologies in Mechanical engineering organized by Department of Mechanical Engineering, Krishna Institute of Engineering and Technology, Ghaziabad on August 24-25, 2012 at Krishna Institute of Engineering and Technology, Ghaziabad
3. Anoop Kumar Patharia, Naveen Agrawal, M. Taraq, Vandana Agrawal, Dhaneshwar Mahto, "Performance Analysis of Humid Air Gas Turbines Power Plants", International Conference of Energy Engineering (ICEE 2009) organized by Pondicherry Engineering College, Puducherry on January 7-9, 2009 at Pondicherry Engineering College, Puducherry

4. Naveen Agrawal, Anoop Kumar Patharia, Tariq M. , Vandana Agrawal, Dhaneshwar Mahto, "A Comparative Analysis between Simple and Intercooled Gas Turbine with Film Air Cooling", International Conference of Energy Engineering (ICEE 2009) organized by Pondicherry Engineering College, Puducherry on January 7-9, 2009 at Pondicherry Engineering College, Puducherry

National Conferences

1. Monu Kanaujia, Vandana Agrawal, " A Review on Triangular Mesh Modelling From Point Cloud data", National Conference on Research and Innovations in Mechanical Engineering RIME 2014 organized by Technocrats Institute of Technology & Science and TIT College, Bhopal on March 6-8, 2014 at TIT College Bhopal
2. Neetu Gautam, Vandana Agrawal, " A Review on Hole Filling in Triangular meshes in Reverse Engineering", National Conference on Research and Innovations in Mechanical Engineering RIME 2014 organized by Technocrats Institute of Technology & Science and TIT College, Bhopal on March 6-8, 2014 at TIT College Bhopal
3. Bhagirathi Vehera, Vandana Agrawal, " A Review on Indirect Quadrilateral Mesh Generation", National Conference on Research and Innovations in Mechanical Engineering RIME 2014 organized by Technocrats Institute of Technology & Science and TIT College, Bhopal on March 6-8, 2014 at TIT College Bhopal
4. Yastuti Rao Gautam, Vandana Agrawal, "Design optimization of recuperator for microturbine", Proceedings of the Thirty Ninth National Conference on Fluid Mechanics and Fluid Power organized by SVNIT Surat, Gujarat, India on December 13-15, 2012 at SVNIT Surat, Gujarat, India
5. Naveen Agarwal, A.S. Darbari, Mohammad Tariq, Vandana Agrawal, "Stress Analysis of Spur Gear through Finite Element Method", Proceedings of National Conference on Design, Manufacturing and Management for Next Generation (DMM 2009) organized by Departments of Mechanical, Mechatronics Engg. and Management Studies, Kongu engineering College, Perundural, 2009 at Kongu engineering College, Perundural