

Patents Filed:

Sr. No.	Application No.	Title	Date of Filing	Current Status
1	201621009464	AUTOMATED SOWING MECHANISM USING MECHATRONICS SYSTEM	16-03-2016	Published, Under Examination
2	201621009465	COMPACT AND EASIER GEARBOX LIFTING MACHINE.	16-03-2016	Published, Under Examination
3	201821003914	APPARATUS AND METHOD FOR PRODUCING READY-MIX COMPOST	01-02-2018	IN ORDER FOR GRANT UNDER SECTION 43,AWAITING NBA APPROVAL
4	201821004086	THRESHING APPPARATUS FOR THRESHING OF SOFT SEED CROPS	02-02-2018	Reply Filed. Application in amended examination
5	202021047978	PORTABLE COMPOSTER	03-11-2020	Published, Under Examination
6	202021047619	DEVICE FOR CUTTING UNWANTED PLANTS	31-10-2020	Published, Under Examination
7	202021047304	SYSTEM AND APPARATUS FOR INJECTING GRANULAR FERTILIZER	29-10-2020	Published, Under Examination
8	202021047977	APPARATUS FOR TILLING SOIL AND REMOVING UNWANTED PLANTS	03-11-2020	Published, Under Examination
9	202021053746	A DEVICE FOR DILATION OF THE CERVIX	10-12-2020	Published, Under Examination
10	202021053747	AN APPARATUS FOR STRETCHING HAMSTRING MUSCLES	10-12-2020	Published, Under Examination

Research Publications:

SN	Title of Paper	Details about Journal/Conference	Place/Date
01	Intelligent Fault Diagnosis System for Radiographic Images of Valve Casting using Adaptive Neuro Fuzzy Inference System	International Journal of Non destructive Testing (NDT.net), ISSN 1435-4934	June – 2015
02	Newly Developed Automatic Lay-Up process for manufacturing of FRP Sheets	International Journal of Computational Engineering Research (IJCER)	March - 2013
03	Comparative evaluation of tractor trolley axle by using finite element analysis approach	International Journal of Engineering Science and Technology (IJEST)	

04	Optimization of process parameters using Taguchi approach with minimum quantity lubrication for turning	International Journal of Engineering Research and Applications (IJERA)	March - 2011
05	Investigation on Intelligent Fault Diagnosis System for Valve Casting Using ANN	Visual soft research and development International Journal ISSN NO (Online) 0076-7967	April 2011
06	Design and Experimental Analysis of Intelligent Fault Diagnosis System for Valve Casting	”, International Journal of Intelligent Systems and Applications in Engineering, ISSN 2147-67992	March 2017
07	A fuzzy risk assessment model applied for metalliferous mines in India	Published by ELSEVIER in proceeding of International conference on electronics Engineering and Computer Science	January 2012
08	Design and development of an Intelligent irrigation system for Farming	International Journal of Research in Engineering and Applied Sciences	July 2014
09	Defect Detection in Radiographic Valve Casting Images Using Morphological Threshold Segmentation Technique	presented & published in proceeding of international symposium for research scholars (ISRS-2014) being organized at Indian Institute of Technology, Chennai, India during	11-13 December 2014
10	Intelligent Fault Diagnosis System for Radiographic Images of Valve Casting using Adaptive Neuro Fuzzy Inference System	presented & published in proceeding of National seminar and Exhibition on Non destructive Evolution (NDE2014) being organized by Indian Society of Non-destructive Testing at Pune, India	04-06 December 2014
11	Defect Detection in Radiographic Valve Casting Images Using Morphological Threshold Segmentation Technique	presented & published in proceeding of international conference on Industrial Engineering (ICIE-2013) being organized at Sardar Vallabhbhai National Institute	20-22 November 2013

		of Technology, Surat, Gujarat , India	
12	Design optimization of tractor trolley axle by using FEA approach	National conference on Improving productivity & Quality of Manufacturing systems organized by G H Raisoni College of Engineering, Nagpur	28-29 November 2012
13	Economic radiographic testing of metal casting : Design and Development	presented & published in proceeding of international conference on sustainable manufacturing - 2011, organized by Birala Institute of Technology & Science, Pilani, Rajasthan	10-12December 2011
14	Analysis of 3-D Model in ANSYS 9.0 by Java Program and Macros Using Interlinking Concept Verification Though the CFD Analysis	presented & published in proceeding of Int. Conf. on Advances in Mechanical Engineering 2010 Organized by AMAE, Trivendrum, Kerala	17-18 December 2010
15	Optimization of the Superfinishing Process Using Different Types of Stones	presented & published in proceeding of Int. Conf. on Advances in Mechanical Engineering 2010 Organized by AMAE, Trivendrum, Kerala	17-18 December 2010
16	Modification and analysis of 3-D model by interlinking program and Macros using interlinking concept	National conference on Recent trends in Mechanical Engineering organize by MET institute of Engineering, Nashik	04-06 March 2010
17	Design and development of intelligent irrigation system for farming	National conference on innovative trends for technology developments (TECHNOCON - 2013)	17 December 2013
18	Modification in Cleaning machine mechanism.	National conference on innovative trends for technology developments (TECHNOCON - 2013)	17 December 2013