



TULSIRAMJI GAIKWAD-PATIL College of Engineering and Technology
Wardha Road, Nagpur - 441108
Accredited with NAAC A+ Grade
Approved by AICTE, New Delhi, Govt. of Maharashtra
(An Autonomous Institution Affiliated to RTM Nagpur University, Nagpur)



Department of Mechanical Engineering

Patent Granted and filed

| Sr. No. | Name of Faculty | Title of Invention | Application Number/patent No | Date of Filing/Awarded | Status |
|---------|--|--|------------------------------|------------------------|---------------------|
| 1 | Dr. Prashant Kadu and Dr. G.K Awari | Single Hybrid tool for rough Boring, Finishing, Reaming and Chamfering | 360471 | 08.03.2021 | Granted |
| 2 | Dr. Vijay Talodhikar, Mr. Ritesh Banpurkar, Dr. G.K Awari and Prof. Arvind Totey | Varying Load creep testing Machine | 2022/040667 | 29.06.2022 | Granted |
| 3 | Mr. Niteen kakde | Electronic Circuit Cooling fan | 113660 | 10/03.2022 | Granted |
| 4 | Ms. Dipali Bhoyar , Ravindra Shende & Mr. Gaurav Nagdeve | Soil Shear Testing Block | 369572-001 | 23/08/2022 | Granted |
| 5 | Mr. Niteen kakde , Ms. Dipali Bhoyar , Mr. Yogesh Ramteke , Ravindra Shende & Mr. Gaurav Nagdeve | Fixture for cutting operation | 375161-001 | 07/12/2022 | Granted |
| 6 | Dr. Prashant Kadu | Mechanism for Loading and Unloading of LPG Cylinder Vehicle | 202121054182 | 24.11.20 21 | Filed |
| 7 | Dr. Prashant Kadu and Mr. Narendra Chaudhari | Counting Mechanism for Seed Fish fry and baby fish fingerlings | 202121054194 | 24.11.2021 | Filed |
| 8 | Dr. Vijay Talodhikar | Manually operated potato pilling machine[MOPPM] | 202121005945 | 11-02-2021 | Filed and Published |
| 9 | Mr. Nitin Kakde and Mr. Ritesh Banpurkar | Pedal operated Mechanism for sugarcane juice extractor Machine | 202121054202 | 18-02-2022 | Filed |
| 10 | Dr. Nandkishor Sawai | Identification of Artificially Ripened fruits using MATLAB | 202121002228 | 18-01-2021 | Filed and published |
| 11 | Dr. Nandkishor Sawai | A security mechanism for oil pilferage and leakage detection by laser using IOT | 202121024579 | 02-06-2021 | Filed and published |
| 12 | Dr. Nandkishor Sawai | Preventing Cavitation reinforced pipe material used in seat ringing and cooling system adopted in plug with stem of boiler feed recirculation valve in power plant | 20212100442 | 05/01/2021 | Filed and published |



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| 13 | Dr. Nandkishor Sawai | Cavitation protection material (resistant cast stainless steel grades 316) used for vacuum pump rotor and cone | 202121051147 | 24/11/2020 | Filed and published |
| 14 | Dr. Nandkishor Sawai | Exploiting of Reverse Osmosis Reject Water By Agglomeration Water (Aw) Technology | 202021049786 | 13/11/2020 | Filed |
| 15 | Dr. Nandkishor Sawai | Wear Resistant Silicon Carbide Material Used for Turbine Labyrinth Seal | 202021046629 | 26/10/2020 | Filed |
| 16 | Dr. Nandkishor Sawai | Potter's Wheel Rotates by Ratchets Mechanism | 202021041965 | 28/09/2020 | Filed |
| 17 | Dr. Nandkishor Sawai | Floor Cleaning Machine | 202021038849 | 22/09/2020 | Filed |

HoD,ME