



**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**

**Product Development –Patent Details**

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	Awarded
2	Prof. Ritesh Banpurkar, Dr. Vijay Talodhikar, Dr. G.K Awari and Prof. Arvind Totey	Varying Load creep testing Machine	2022/040667	29.06.2022	Awarded
3	Mr. Nitin kakde	Electronic Circuit Cooling fan	113660	10/03.2022	Awarded
4	Dr. Prashant Kadu	Mechanism for Loading and Unloading of LPG Cylinder Vehicle	202121054182	24.11.20 21	Filed
5	Dr. Prashant Kadu and Mr. Narendra Chaudhari	Counting Mechanism for Seed Fish fry and baby fish fingerlings	202121054194	24.11.2021	Filed
6	Dr. Vijay Talodhikar	Manually operated potato pilling machine[MOPPM]	202121005945	11-02-2021	Under Examination
7	Mr. Nitin Kakde and Mr. Ritesh Banpurkar	Pedal operated Mechanism for sugarcane juice extractor Machine	202121054202	18-02-2022	Under Examinations
8	Dr. Nandkishor Sawai	Identification of Artificially Ripened fruits using MATLAB	202121002228	18-01-2021	Filed and published
9	Dr. Nandkishor Sawai	A security mechanism for oil pilferage and leakage detection by laser using IOT	202121024579	02-06-2021	Filed and published
10	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
11	Dr. Nandkishor Sawai	Cavitation protection material (resistant cast stainless steel grades 316) used for vaccum pump rotor and cone	202121051147	24/11/2020	Filed and published
12	Dr. Nandkishor Sawai	Exploiting of Reverse Osmosis Reject Water By Agglomeration Water (Aw) Technology	202021049786	13/11/2020	Filed



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13	Dr. Nandkishor Sawai	Wear Resistant Silicon Carbide Material Used for Turbine Labyrinth Seal	202021046629	26/10/2020	Filed
14	Dr. Nandkishor Sawai	Potter's Wheel Rotates by Ratchets Mechanism	202021041965	28/09/2020	Filed
15	Dr. Nandkishor Sawai	Floor Cleaning Machine	202021038849	22/09/2020	Filed

HoD,ME