



PIMPRI CHINCHWAD EDUCATION TRUST'S
PIMPRI CHINCHWAD COLLEGE OF ENGINEERING & RESEARCH,
RAVET, PUNE 412101



Department Of First Year Engineering

List of Patents

| Sr. No. | Name of Dept. | Student/Staff | Name of Inventors | Patent Title | Patent No. | Patent Filing Date | Patent Status (as on Aug. 2021) |
|---------|---------------|-------------------------|--|--|--------------|--------------------|------------------------------------|
| 1 | FE | Student (Mechanical) | Suraj Balasaheb Satav | An Alteration In Screwdriver To Make It Easy To Grip And Apply More Torque | 201721002438 | 23-01-2017 | Disposed |
| 2 3 | FE | Student | Vivek Padmakar Mahajan | Computer Mouse Containing Fingerprint Sensor For Detecting Password And User Id Of User | 201721009976 | 22-03-2017 | Under Examination |
| 4 | FE | Student | Shreyash Sanjay Pimpalshende | A Smart Switching System For Electrical Appliances To Prevent The Wastage Of Electricity | 201721011569 | 31-03-2017 | Disposed |
| 5 | FE | Student | Rutvij Rajiv Patil Anagha Sudhir Navale | Kilometer predictor which will sense fuel in tank and predict how much kilometer vehicle will travel further | 201721011953 | 03-04-2017 | Under Examination |
| 6 | FE | Staff | Priya Balkrishana Oghe | Mobile Self-Charging Using Piezo Electric Cell | 201721012868 | 11-04-2017 | Disposed |

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| 7 | FE | Student | Nikhil Sugriv Mallah | Liquid Based Cleaning Aid | 201721012370 | 06-04-2017 | Disposed |
| 8 | FE | FE Mech Student | Pradnesh Bajarang Mane | Intermediate Extension Plat for Butt Plate Assembly | 201721033905 | 25-09-2017 | Under Examination |
| 9 | FE | FE Mech Student | Pradbtesg Bajarang Mane | Adoptive Plate for Extension of Butt Plate Assesmbly | 201721033908 | 25-09-2017 | Under Examination |
| 10 | FE | Staff | Prof. Mahesh M. Sarada Prof. Shital A. Patil Prof. Sachin L. Varpe | Bench with Advance Locker System Containing Fingerprint Sensor | 201821014511 | 17-04-2018 | Under Examination |
| 11 | FE | Staff + Students | Prof. Rahul Krishnaji Bawane AS Mahalle AR Patange A Sarangi KR Kore | BALL PEN ON/OFF USING FLUID PRESSURE AT NOZZLE BODY | 201821049556 | 28-12-2018 | Published |
| 12 | FE | Staff + Students | Prof. Rahul Krishnaji Bawane HD Ghorpade SA Bhure MV Naikwadi PH Kulabkar | ALTERATION IN PAPER PUNCHING MACHINE TO STAPLE SIMULTANEOUSLY | 201821049567 | 28-12-2018 | Disposed |
| 13 | FE | Staff + Students | Prof. Rahul Krishnaji Bawane SP Sahare BC Pimparkar AR Pawale | AN ALTERATION IN RULER TO DRAW PARALLEL LINE | 201821049570 | 28-12-2018 | Under Examination |

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| | | | SB Thite | | | | |
| 14 | FE | Staff + Students | Prof. Rahul KrishnajiBawane NR Patil SS Rajput AB Sirsat AB Patil | OFFSET DRILLING FIXTURE FOR DRILLING HOLE ON INCLINED SURFACE OF ANY OBJECT | 201821049572 | 28-12-2018 | Under Examination |
| 15 | FE | Staff + Students | Prof. Rahul KrishnajiBawane AS Vallal SV Shindikar SG Wagh BN Banshur | ROTATING LOCK RING AND FIXED SLIDER HOSE CLAMP | 201821049584 | 28-12-2018 | Under Examination |
| 16 | FE | Staff + Students | Prof. Rahul KrishnajiBawane AS Vallal AS More AA Thorat AG Phalke | PNEUMATIC PRESSURE OPERATED HOSE CLAMP | 201821049586 | 28-12-2018 | Under Examination |
| 17 | FE | Staff + Students | Prof. Rahul KrishnajiBawane SR Patil VV Solanjure KG Patil RR Paralikar | EXTENSIBLE SUN VISOR TO OBSTACLE SUN RAYS FROM THE CENTRE PORTION OF THE WIND SHIELD OF VEHICLE | 201821049589 | 28-12-2018 | Disposed |

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|----|----|---------------------|--|---|--------------|------------|----------------------|
| 18 | FE | Staff + Students | Prof. Rahul KrishnajiBawane HT MahajanA Nagrle PS Narkhede SC Sardar | MECHANICAL LINKAGE OPERATED MUDGUARD EXTENSION FOR TWO WHEELER MOTOR VEHICLE | 201821049590 | 28-12-2018 | Under Examination |
| 19 | FE | Staff + Students | Prof. Rahul KrishnajiBawane PR VitthalDas VR Waladkar RG Pawar AS Chordiya | NON-NEWTONIAN FLUID SHOE CUSHIONING AND SHOCK ABSORBING | 201821049593 | 28-12-2018 | Under Examination |
| 20 | FE | Staff + Students | Prof. Rahul KrishnajiBawane SD Zende GR Patil SS Rajput RR Wagh | GENERATION OF ELECTRICAL ENERGY USING PIEZOELECTRIC CELL ON BICYCLE PEDALS | 201821049594 | 28-12-2018 | Under Examination |
| 21 | FE | Staff + Students | Prof. Rahul KrishnajiBawane AB Patil SJ Jagtap AR Tonde KK Umadi | COPASSENGER WEIGHT SENSING AUTOMATIC OPENING AND CLOSING FOOT REST OF BIKE | 201821049600 | 28-12-2018 | Under Examination |
| 22 | FE | Staff + Students | Prof. Rahul KrishnajiBawane AK Raskar SS Rajput OV SalunkeTS Pawar | TIRE WEAR OUT WARNING VISUAL INDICATOR | 201821049603 | 28-12-2018 | Under Examination |

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| 23 | FE | Staff + Students | Prof. Rahul Krishnaji Bawane PD Singh UA Raj PH Pawar PC Patil | HAND HELD STAPLER WITH STAPLER LOCK | 201821049606 | 28-12-2018 | Disposed |
| 24 | FE | Staff + Students | Prof. Rahul Krishnaji Bawane AS Pawale SP Sahare DR Patil SR Wable | A COMPASS ATTACHMENT FOR DRAWING CIRCLE | 201821049608 | 28-12-2018 | Under Examination |
| 25 | FE | Staff + Students | Prof. Rahul Krishnaji Bawane DK Patel SA Palhade SP Chaudhari VP Sonawane | AUTOMATIC BIKE PASSING HIGH AND LOW BEAN SIGNAL | 201821049611 | 28-12-2018 | Under Examination |
| 26 | FE | Staff + Students | Prof. Rahul Krishnaji Bawane AS Patil Ayush S. Patil RK Patil PA singhan | CENTRIFUGAL FORCE OPERATED CEILING FAN BLADE CLEANING ATTACHMENT | 201821049613 | 28-12-2018 | Under Examination |
| 27 | FE | Staff | Prof. Jyoti Pai | Pouched Thermostatic Apparatus to Store Packets of Beverages in its Folds | 201921052388 | 17-12-2019 | Disposed |

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| 28 | FE | Staff | Prof. Sonali Kanase | Retrofit Mechanism for Flow Control in Flush Tanks of Toilets | 201921052218 | 17-12-2019 | Disposed |
| 29 | FE | Staff | Prof. M. Deshpande, Prof. D. Shrivastav, Prof. Priya Oghe | Roller mechanism to clean duster and wet sponge for cleaning the black board | 201921052237 | 17-12-2019 | Disposed |
| 30 | FE | Staff | Prof. Priya Oghe, Prof. M. Deshpande, Prof. D. Shrivastav, Prof. S. Kanase | Jaw coupling with spherical ball power transmitting element | 201921052386 | 17-12-2019 | Under Examination |
| 31 | FE | Staff | Prof. Mahesh Sarada, Prof. Sandeep Borgaonkar, Prof. Tushar Gaikwad, Prof. Sachin Varpe, Prof. Shital Patil | Water Saving Pipe System For Purifiers & Other Excessive Water | 202121021441 | 12-05-2021 | Filed |
| 32 | FE | Staff | Prof. Mahesh Sarada, Prof. Sandeep Borgaonkar, Prof. Tushar Gaikwad, Prof. Sachin Varpe, Prof. Shital Patil, Prof. Priya Oghe | Automated Vending Machine for Public Distribution system | 202121021413 | 12-05-2021 | Filed |
| 33 | FE | Staff | Prof. Deepshikha Shrivastava, Prof. Manisha Deshpande, Prof. Priya Oghe | Cleaning and Dust Collection Mechanism from Door Mate | 202121023622 | 27-05-2021 | Filed |