

Institute Name: Visvesvaraya National Institute of Technology**Institute ID : IR-E-U-0334**

Year	No. of Patents Published	No. Of Patents Granted
2017	29	1
2016	33	2
2015	11	--

Sr.No	Name of Faculty	Patent Title	Application No. with date	Filed/granted
1.	Shriram S. Sonawane Ajit P. Rathod Vishal S. Chandane Vishal R. Parate	Synthesis Of Cynosphere Supported Catalyst By Different Precursors For Esterification Reactions	Application No. 201721007862A 07/03/2017	Filed and Published
2.	Dr. Sangesh P. Zodape	AgrwalZodape adsorption isotherm model	Application No. : 201721030498 ADate: 29/08/2017	Filed and published on 10/11/2017
3.	Dr S S Sonawane Dr V R Parate	Development of Improved Pasta	TEMP/E-1/5734 /2017-MUM	Published
4.	K.M. Bhurchandi	Smart Surveillance System	E-12/159/2018/MUM	Filed / Published
5.	Abhay S. Gandhi	Wireless power transfer to computer mouse through mutual inductance	201721018533 Dated: 26/05/2017	Filed / Published

6.	Vinay Kumar	Wireless sensor Networks for Smart Temperature and Humidity Control and Monitoring	201721010138	Filed / Published
7.	Vinay Kumar	Design and Implementation of physiological health monitoring wearable device	201721008921	Filed / Published
8.	Vinay Kumar	Design of full duplex Light Fidelity system in underwater sceneario using laser diodes	201721015837	Filed / Published
9.	Vinay Kumar	Design of Light Fidelity based system for shopping complex and its parking	201721015838	Filed / Published
10.	Vinay Kumar	Energy dissipation Model based on Magnetic Induction Communication for Non-conventional media	201721016878	Filed / Published
11.	Makarand Sudhakar Ballal	Standardization of three phases four wire meter as two phase four wire meter for traction metering	201721001242 03/02/2017	Filed / Published
12.	Dr. P.M. Padole	An Innovative Flexi	-	Filed / Published

		Force Palatovision Appliance For Evaluation Of Tongue Pressure		
13.	Dr. P.M. Padole	Hydraulic Stirrup Making Machine	-	Filed / Published
14.	Dr. Shital Chiddarwar	Humanoid Robot	201721015920 (5th May 2017)	Filed / Published
15.	Dr. Shital Chiddarwar	Hybrid Robot	201721020615 (13th June 2017)	Filed / Published
16.	Dr. Shital Chiddarwar	Robotic System For De- Burring Work-Pieces	201721026348 (25th July 2017)	Filed / Published
17.	Dr. Shital Chiddarwar	Simultaneous Balancing And Trajectory Tracking Control For A Mobile Robot With A Non- Planar Object	201721028549 (9th Aug 2017)	Filed / Published
18.	Rajendra R. Yerpude & Anupam A. Kher	Determination of Roof Fall Safety Index(RFSI) for Underground Coal Mine	IN201721025044-A	Filed / Published
19.	Ajay Kumar Agarwal	Agarwal-Zodape Adsorption Isotherm Model	Application No.201721030498 A	Filed / Published 10/11/2017
20.	Dr. R.V. Taiwade	Etchant development for dissimilar weldments	201721012181A 5 April 2017	Published
21.	Dr. K. L. Wasewar Dr. D.Z. Shende	Cenosphere supported metal catalyst for hydrogenation of 2- ethylantraquinone in hydrogen peroxide synthesis'	201821001185A, dated: 19 Jan 2018	Published
22.	Dr. K. L.	Zr-Al-La Nanohybrid	201821004343A	Published

	Wasewar Dr. D.Z. Shende	Supported Palladium Catalyst for Hydrogenation of 2-Ethylanthraquinone for Synthesis of Hydrogen Peroxide	Dated: 16 Feb 2018	
23.	Dr. Sachin Mandavgane	Disinfectant and method for it's preparation and use	15.02.2017	Granted
24.	Dr.R V Ralegaonkar	Application of co-fired blended ash for the development of bricks	No.- 201721017816 A, dated 21/5/2017	Publication
25.	Dr. M. V. Latkar	Composition of Bacterial Solution for Biocementation to Improve Mechanical Properties of Cementitious materials	TEMP/E-1/46985/2017-MUM	Filed / Published
26.	Patel, A. Bhanarkar, K.B.,	Low cost mechanically operated automated laboratory soil compactor.		Published in The Patent Office Journal No. 52/2017 dated 29/12/2017, Page No 51019
27.	Mrs. M. A. Chaudhari	Reactive Power compensation using Induction Motor Drive,	Application No. 201721000392 date 18/1/2017	Filed / Published
28.	Dr. Ashwin Kothari	Automated Head position detection in computer Tomography from scout Images	201721011824 & 31/03/2017	Filed / Published
29.	Dr. Ashwin Kothari, P.H. Ghare	Wireless Health and Saline monitoring System	201721012182 & 05/04/2017	Filed / Published
30.	Dr. Ashwin Kothari	Patent filing & drafting services for Humanoid Robot	201721015920 & 25/03/2017	Filed / Published

Last Year patents 2015 and 2016

Sr. No	Name of Faculty Member	Title and Application No.	Application No.	Date of Publication
1.	Shriram Sonawane	Packing material for liquid-liquid extraction.	1538/MUM/2014	09.01.2015
2.	Dr Y B Katpatal	Generation of cumulative road network service quality index for road networks in an urban area using geo-informatics approach	743/MUM/2015	10.04.2015
3.	Dr Y B Katpatal	System for generating geotechnical strength characteristics in gis from geological parameters for foundation designing	742/MUM/2015	24.04.2015
4.	Dr. Hemant Jawale	Gas gun	2244/MUM/2015	03.07.2015
5.	Dr R V Ralegaonkar	Application of green solution for improving the mechanical properties of construction materials	3209/MUM/2015	11.09.2015
6.	Rashmi Uddanwadikar	Surgical forceps for lateral osteotomy of nasal bone	3765/MUM/2015	16/10/2015
7.	Dr. H.M. Suryawanshi	Machines monitoring control and protection system (M2CPS)	3381/MUM/2015	18/09/2015
8.	Ajay Kumar Agarwal	Utilization of coal fly ash of thermal power plant in conjunction with removal of different heavy metal iron and thin solidification.	3619/MUM/2014	30.01.2015
9.	Dr R M Patrikar	Two - stage power amplifier	4008/MUM/2014	10.04.2015
10.	Dr R M Patrikar	Mems cantilever switch as low pass filter (idea patent)	2358/MUM/2013	14.08.2015
11.	Dr. D.R.Peshwe	Filed patent on "Effectiveness of optimized cryo-treatment on polymer Composite"	1724/NUM/2014	10/04/2015
12.	Dr. R. S.Sonparote	Pre-tensioned Precast Concrete Pavement	No. 4843/MUM/2015	23/12/2015
13.	Dr. R. P. Vijayakumar	Multi-core reactor design for the production of liquid hydrocarbons, CNTs and hydrogen rich gases from waste plastic	Indian Patent application No. 201621018395	17/06/2016

14.	Dr. Diwakar Z. Shende, Dr. Kailas L. Wasewar	Process for Recovery of Caproic Acid from Aqueous Solutions	201621006145	23/02/2016
15.	Dr. Diwakar Z. Shende, Dr. Kailas L. Wasewar, Dr. S.P. Wanjari	Process Development of coating of metal and metal oxides on hollow ceramic microspheres	201621034195	05/10/2016
16.	Dr. Diwakar Z. Shende, Dr. Kailas L. Wasewar	Separation and Recovery of Acrylic Acid from Aqueous Solution using natural oils	201621034582	13/10/2016
17.	Dr S M. Mandavgane	An ambiphilic, mesoporous catalyst of agricultural origin and a process for making the same	No 271794	Awarded on 4th March 2016
18.	Dr S M. Mandavgane	A process for making a dual substrate filter material	Patent no. 272399	awarded on 31st March 2016
19.	Dr. A. S. Chaurasia	Method for converting biomass to hydrogen rich syngas in a two-stage process.	201621041388 A/MUM/2017	
20.	S.P.Wanjari	Insitu Compressive testing machine	201621024081	14/07/2016
21.	S.P.Wanjari	GeopolymerFlyashSAnd	201621020053	11/06/2016
22.	S.P.Wanjari	Process of GeopolymerFlyash sand	201621041391	03/12/2016
23.	S.P.Wanjari	Process development for coating of hollow ceramic cenosphere	201621034195	28/10/2016
24.	Dr. Praveen Kumar	System and method for performing surveillance of an automated teller machine (atm)".	201611009410	21/3/2016
25.	K.M. Bhurchandi	A System to Remotely Monitor Energy Meter/s	2221/MUM/2008 A	
26.	Abhay S. Gandhi	Wireless power transfer to computer mouse through mutual inductance	201721018533	26/05/2017
27.	Dr. A. G. Kothari	Automatic posture tracking and analysis system	201621016029	07/05/2016
28.	Dr. A. G. Kothari	Internal Force Measuring Device for Prismatic RC Member	201621038163	08/11/2016
29.	Dr. A. G. Kothari	Strain Gauge Calibration Device	201621038353	09/11/2016

30.	Dr.JoydeepSengupta Dr.Vinay Kumar	Design and Implementation of Wireless Optical Communication Transmitter and Receiver Modules for Indoor Environment	201621020527	June 2016
31.	M. K. Khedkar	Hybrid Solar Energy Storage Device (HSESD)	201621000237	2016
32.	M. S. Ballal, H. M. Suryawanshi	Breather condition monitoring system for transformers (BRECOMST)	201621041390	2016
33.	M. S. Ballal, H. M. Suryawanshi	Transformer test bench	201621026428	2016
34.	M. S. Ballal, H. M. Suryawanshi	Model for The Analysis Of Different Faults/ Abnormal Condition of Transformer and Induction Motor	201621021851	2016
35.	M. S. Ballal, H. M. Suryawanshi	Status Monitoring Apparatus for Reactor and Transformer (Smart)	201621006484	2016
36.	Y. M. Puri	Linear-Curved Electrical Discharge Machine (LCM)	201621020529	2016
37.	Y. M. Puri	Method for Manufacturing of Thin Porous Metal Membrane using EDM and WEDM	201621028405	2016
38.	R. V. Uddanwadiker	Split type Gastrostomy Feeding device	201621017237	2016
39.	R. V. Uddanwadiker	Technique to quantify recovery post surgery/trauma/treatment	201621017236	2016
40.	R. V. Uddanwadiker	Feeding Bottle for Cleft Palate Babies	201621011518	2016
41.	S. S. Chiddarwar	Robotic Cleaning System for Internal Cleaning of a Unit	201621043891	2016
42.	D. R. Peshwe, Anupama Kumar	Effectiveness of optimized Cryo-treatment on Polymer Composites	1724/MUM/2014	2016
43.	Dr. A. Y.Vyavahare Dr. A. Tiwari Dr. A.Dhabale Dr. A. Kothari	International Force Measuring Device for Prismatic RC member	201621038163	2016
44.	Dr. A. Y. Vyavahare Dr. A. Tiwari Dr. A.Dhabale Dr. A. Kothari	Strain Guage Calibration Device	201621038353	2016