

MALAVIYA NATIONAL INSTITUTE OF TECCHNOLOGY JAIPUR

IPR Cell

IPRs (Patents/Copyrights) filed / Awarded and Technologies Available for Licensing

The list of the patents/copyrights, granted/filed by the institute along with the name of the inventors and the status is given below. MNIT Jaipur encourages interested parties to contact for technologies licensing:-

S. No	Title of the IPRs	Inventor(s)	Patent No. (Application number)	Status	Applicant
1.	Natural Ventilation System for Building through Solar and/or Wind Energy	Dr. J.Mathur Dr. Sanjay Mathur	(1074/DEL/2008)	Application in Amended stage	MNIT Jaipur
2.	An improved Straight Vegetable Oil (SVO) Fueling System for CI Engine Operated Two-wheeler	Dr. Dilip Sharma, Kamal Kishore Khatri Prof. S.L. Soni	327217 (2178/DEL/2009)	Patent Granted	MNIT Jaipur
3.	PNEUMATIC TWISLE	Prof. AGARWAL, GOPAL DESHPANDE, S. S.	319799 (1519/DEL/2010)	Patent Granted	MNIT Jaipur
4.	A Device for Improving Fuel Efficiency of a Four Stroke Spark Ignition (SI) Engine	Dr. Dilip Sharma, Hari Narayan Prajapati	327638 (826/DEL/2010)	Patent Granted	MNIT Jaipur
5.	A base material and a system for finishing work-piece(s)	Dr. Harlal Singh Mali	315692 (2369/DEL/2010)	Patent Granted	Individual (s)
6.	A Mobility Equipment for a user unable to use his Hands	Dr. Dilip Sharma, Prof. S.L. Soni, Ashutosh Kaushik, Abhishek Modi, Jyotiraditya Meena Abhishek Agarwal	2783/DEL/2010	Application Awaiting Examination	MNIT Jaipur
7.	Black Pearl-Mouse and Keyboard for SID Children	Dr. Rajesh Kumar Anupam Kumar	sw-4868/2011	Copyright Granted	MNIT Jaipur
8.	Pliers with Gripping Jaw Adjustment Cam	Dr. Dilip Sharma, Prof. S.L. Soni Hari Narayan P.	1707/DEL/2012	Application in Amended stage	MNIT Jaipur
9.	RAILWAY MAINTENANCE MONITORING SYSTEM	Om Prakash Varma Anupam Kumar Dr. Rajesh Kumar Saatvik Shah Sanjay Thakur Vaibhav Jain	1098/DEL/2014	Application Abandoned U/S 21(1)	MNIT Jaipur, NEF Railway

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10.	SHELTER FOR HIGH ALTITUDE REGIONS	CHOUDHARY, Aditya KUMAR, Rohitash MUSTAFA, Syed Basharat NAZIR, Sarfraz SRIVASTAVA, Ravi Bihari HOTA, Sunil Kumar	3523/DEL/2014	Application in Amended stage	DG, DRDO
11.	Marble Dust Reinforced Copper Alloy Composite Fabrication	Ms. Swati Gangwar Prof. I.K.Bhat, Dr Amar Patnaik	1319/DEL/2015	Application Awaiting Examination	Individual (s)
12.	Fabrication of Polymeric Dental Composites by Adding New Filler Gypsum	Mr. Shiv Ranjan Kumar Dr Amar Patnaik Prof. I.K.Bhat	1321/DEL/2015	Application Awaiting Examination	Individual (s)
13.	Granite Powder Reinforced Hydraulic Turbine Blades	Mr. Vikash Gautam Prof. I.K. Bhat, Dr Amar Patnaik	1320/DEL/2015	Application Awaiting Examination	Individual (s)
14.	Rail-Alert	Om Prakash Varma Anupam Kumar Dr. Rajesh Kumar Saatvik Shah Sanjay Thakur Vaibhav Jain	1163/KOL/2015	Application Awaiting Examination	MNIT Jaipur
15.	A SYSTEM FOR ROBOTIC INSPECTION OF OVERHEAD TRANSMISSION LINE	Dr. Rajesh kumar Akash shah Akshay kumar Anshul mittal Maitreyee Ashvin Mehra Mihika gupta Rajat Kumar Arya Sharad Garg Vishakha Tyagi	2036/DEL/2015	Deemed to be Withdrawn U/S 11B(4)	MNIT Jaipur
16.	Intelligent Energy Monitoring System	Raghav Totla, Dr. Nikhil Gupta, Dr. Anil Swarnkar, Prof. K. R. Niazi	2405/DEL/2015	Application Awaiting Examination	MNIT JAIPUR
17.	Erosion Wear Resistant Polymer Composite Laminate Filled with Granite Powder Waste	Mr. M. J. Pawar Dr. Amar Patnaik Ravindra Nagar	1322/DEL/2015	Application Abandoned U/S 21(1)	Individual (s)
18.	PORTABLE REFRIGIRANT CHARGE MONITORING DEVICE	DR.JYOTIRMAY MATHUR UJJWAL SINGH RAO	3076/DEL/2015	Application Awaiting Examination	Individual (s)
19.	INTELLIGENT	Rajesh Kumar	2407/DEL/2015	Deemed to	MNIT

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	ENERGY MANAGEMENT SYSTEM	BP Singh Sanjay K Thakur Anirudha Kumar Sharad Garg		be Withdrawn U/S 11B(4)	Jaipur
20.	CHILLED FLUID OPERATED RADIANT PANELS IN FURNITURE FOR PERSONALIZED ENVIRONMENTAL CONTROL	MATHUR, Jyotirmay, AGRAWAL, Navdeep, GEEL, Prashant Shekhar, JOSHI, Lalit, GUPTA, Manoj Kumar	922/DEL/2015	Application in Amended stage	MNIT Jaipur
21.	Development and Characterization of Self Healing and Antibacterial Dental Material	Prof. I.K. Bhat, Dr. Amar Patnaik, Mr. Shiv Ranjan Kumar	201611002648	Application Awaiting Examination	Individual (s)
22.	Slurry Erosion wear Assessment of Marble Dust Powder Reinforced Aluminium Alloy Composites Hydraulic Turbine Blade	Prof. I.K. Bhat, Dr. Amar Patnaik, Mr. Vikash Gautam	201611002651	Application Examined (Fer Issued)	Individual (s)
23.	Dry Sliding wear Assessment of Nickel Metal Powder Reinforced Aluminium Alloy Composites for Gear Applications	Dr. Amar Patnaik, Prof. I.K. Bhat, Mr. Ashiwani Kumar	201611002649	Application Awaiting Examination	Individual (s)
24.	Chiller Selection Optimization for Energy Efficiency	Dr. Jyotirmay Mathur Vishal Garg Venkata Sai Nikhil Aviruch Bhatia	201611001077	Application Awaiting Examination	Individual (s)
25.	Design of A System for Finishing Complicated workpieces using Abrasive Laden Base Material	Dr. Harlal Singh Mali Jaikishan Sambharia, Jitender Kumar	201611008902	Application Awaiting Examination	Individual (s)
26.	Anti Theft Petrol Tap for Two Wheelers	Prof. Dilip Sharma, Mr. Ashok Kumar Sharma	201611015178	Application Awaiting Examination	Individual (s)
27.	Ortho- Daer: A Comprehensive System for Osteoarthritis Detection, Analysis and Rehabilitation Based on Efficient SEMG Signals	Dr. Rajesh Kumar Sarthak Jain Akshay Kumar Ayush Jhalani Devang Darode	201611015179	Application Awaiting Examination	Individual (s)
28.	Intelli-Island: A Smart Preemptive Islanding	Dr. Rajesh Kumar Shashank Vyas	201611015180	Application Examined	Individual (s)

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	Detection and Mode Change Triggering Logic for Grid-Connected Solar PV Inverters			(Fer Issued)	
29.	E-Bike Electrically Powered Multi-Utility Bicycle	Dr. Dinesh Kumar Dr. Rajesh Kumar Mr. Devang Darode Mr. Mitesh Rajput Mr. Mandeep Singh Kapoor	201611015177	Application Awaiting Examination	Individual (s)
30.	Drunkard Driving Preventive System (DDRIPS)	Dr. Dinesh Kumar Dr. Rajesh Kumar Karsh Tharyani Maharshi Kant Mishra Ansh Kathpalia	201611027413	Application Examined (Fer Issued)	Individual (s)
31.	Multi-Purpose Convertible Pram cum Backpack	Dr. Harlal S Mali Rakesh Jain, Ankur Kumar, Elvis Sajan, Sabyasachi Ghosh, Shubham Maheshwari	201611027414	Application Abandoned U/S 21(1)	Individual (s)
32.	EDM (ELECTRO DISCHARGE MECHINING) ASSISTED CENTRELESS GRINDING MACHINE FOR GRINDING LESSER STIFF CYLINDRICAL COMPONENTS	Dr.Harlal singh mali Dr. APS rathore Mahendra singh Shekhawat Arvind Rathore Sagar Karthik	201611027415	Application Examined (Fer Issued)	Individual (s)
33.	Smart Stone Cutters based on Direct use of Electromagnetic Forces and Intelligent Electronics Circuitry	Dr. Harlal S Mali, Bhargav Pathri, Sandeep, Manish, Ankit, Rohit	201611027416	Application Awaiting Examination	Individual (s)
34.	A Method of Recycling Kota-stone Waste as Aggregate in Bituminous Mixes	Dr. Pawan Kalla Aditya Rana Mohit Sharma Ravindra Nagar Inder Krishnan Bhat	201611027417	Application Awaiting Examination	Individual (s)
35.	Personalized LPG Cylinder Handling System for Domestic Delivery Person	Dr. Harlal Singh Mali Mr. Praveen Siyag Prof. Dr. S.S Dhami	201711004209	Application Published	Individual (s)

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36.	Production of Fine Grained Ultra High Hardness Steel by Powder Metallurgy	Ms.Priyanka Sharma Prof. M.K Banerjee	201711004203	Application Published	Individual (s)
37.	A Metal Matrix Nanocomposite (Conducting Magnet) and Process Of Synthesis of Nanocomposite by High Energy Ball Milling	Mr. Akshay Kumar Prof. M.K Banerjee	201711004204	Application Published	Individual (s)
38.	Chaal: The SMART GAIT Analyzer	Chandra Prakash Dr. Rajesh Kumar Dr. Namita Mittal	201711014157	Application Published	Individual (s)
39.	Preparation of Copper Nanopowder by Mechanically Activated Cementation	Dr. P R Soni Mr. Vishal Gupta, Mr. Ankit Goyal	201711014160	Application Published	Individual (s)
40.	Biofeed Back through Electronic Goniometer	Dr. Rajesh Kumar Alok Agrawal, Anoop Honnekeri Nagraj, Rohit Saxena	201711014156	Application Published	Individual (s)
41.	AN IMPROVED SELF CLEAN SQUAT TOILET PAN	Dr. A. B. Gupta Sunil Kumar Meena Dr. Urmila Brighu	201711025481	Application Awaiting Examination	Individual (s)
42.	Squeegee Hand Tool for Textile Screen Printing Operations	Dr. M. L. Meena G. S. Dangayach A. Bhardwaj	201711031643	Application Published	Individual (s)
43.	Fly Ash Based Geopolymer Concrete Incorporating Rubber Tire Fibres as Partial Replacement of Natural Sand Thereof Useful for Construction and Infrastructure Industries.	Dr. Salmabanu Luhar Dr. Sandeep Chudhary Dr. Urmil Dave Mr. Ismail Luhar	201811028519	Application Published	Individual (s)
44.	SYSTEM OF THERMAL STORAGE FOR SOLAR TO ELECTRICAL ENERGY CONVERSION	DR. MOHAMMAD ISRAR SHRI RADHEY SHYAM MEENA DR. DHEERAJ KUMAR PALWALIYA DR. SHIVLAL DR. NEERAJ GARG DR. ROHIT BHAKAR	201821020049	Application Published	Individual (s)

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45.	A METHOD FOR DETECTING COLIFORMS IN A WATER AND KIT THEREOF	Dr. A. B. Gupta Dr. Urmila Brighu Ashish Tambi	201811009257	Application Awaiting Examination	Individual (s)
46.	ULTRA-LOW TRANSCONDUCTANCE AMPLIFIER USING CARBON NANOTUBE FIELD EFFECT TRANSISTORS	SHAILENDRA KUMAR MOHD. SAMAR ANSARI AMIT MAHESH JOSHI	201811024700	Application Awaiting Examination	Individual (s)
47.	TWO WHEELER VEHICLE TO PREVENT BACKACHE FOR RIDER	Keshav Gupta Zuber Nizami Kishanlal Suthar Dr. Ghanshyam Das Agrawal	201811002382	Application Published	Individual (s)
48.	Recycling Fine Bone China Product Waste as Supplementary Cementitious Material/Pozzolana	Mr. Salman Siddique Dr. Sandeep Shrivastava Dr. Sandeep Chudhary	201811028533	Application Published	Individual (s)
49.	Development of Remedial Orthosis for CTEV (Clubfoot) Patient through Five Corrective Motions	Dr. Harlal Singh Mali Hemraj Bairwa Jitendra Jaisawal Dhiraj Kumar Rouniyar Abinash Kumar Gupta	201811028509	Application Published	Individual (s)
50.	Synthesis of Direct Bandgap Nano-Crystalline Silicon Powder by High Energy Ball Milling	Dr. P R Soni Ankit Goyal	201811028525	Application Published	Individual (s)
51.	Nanofluid Based Flat Plate Solar Energy Collector and Method Thereof	Dr. Ghanshyam Das Agrawal Dr. Hemant Kumar Gupta	201811005867	Application Awaiting Examination	Individual (s)
52.	SYSTEM AND METHOD FOR SOLID OXIDE FUEL CELL ALTERNATIVE POWER SOURCES FOR DYNAMIC VOLTAGE RESTORER	Dr. Sunil Kumar Gupta	201911005170	Application Published	Individual (s)
53.	SYSTEM AND METHOD FOR ULTRA CAPACITOR BASED ENERGY STORAGE SYSTEM IN DYNAMIC	Dr. Sunil Kumar Gupta	201911005171	Application Published	Individual (s)

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	VOLTAGE RESTORER				
54.	An Improved Tillage Cultivator	N R N V Gowripathi Rao, Prof. Chaudhary, Himanshu; Prof. Sharma, Ajay Kumar	201911019499	Filed	MNIT Jaipur

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