

List of Patents:

Sr. No	Name of faculty	Title of Patent	Details of Patent	Date
1.	Zil P Patel & Dr K D Patel	System And Method For Lifting Low-Energy Spacecraft	TEMP/E-1/7029/2019-MUM	19/02/2019
2.	Parth Kachchadiya & Dr J M Rathod	Flying Military Tank.	TEMP/E-1/7167/2019-MUM	20/02/2019
3.	Parth Kachchadiya & Dr J M Rathod	Development Of Portable Device For Gesture Based Communication For Mute Person	TEMP/E-1/30230/2019-MUM	16/07/2019
4.	Tushar Dave, Dr J M Rathod, S.Sreenath Kashyap	Micro Strip Couplers Using Artificial Dielectric Substrate	CBR Number : 17045	18/08/2019
5.	Dr. Kaushika Patel, Dr. R. D. Patel, Parth Kachhadiya	High Efficiency Combined Air Conditioning System	TEMP/E-12/2/2020/MUM 202021000079	01/01/2020
6.	Shahid Modasiya, Dr J M Rathod, S.Sreenath Kashyap	One And Two Shorted Outer Ring And Slot Loaded Log Periodic Microwave Antenna For Navigational Applications	201921053943A	17/01/2020
7.	Jay Patel, Dr J. M. Rathod, Niraj Tevar, Sreenath Kashyap	Low-Cost Design Of Uhf Antenna For Roof Mounted Vehicular & Heavy Duty Application	202021007751A	20/03/2020
8.	Dr J M Rathod and Dr. M.M.Solanki	Indoor Object Location Finding Module	(AFR) For Application No. 202021029609	13/07/2020
9.	Dr. Vatsal Shah	DMRT for memory management in real-time operating system using Memsimrt	202021040233 (Published)	23/10/2020
10.	Prof. Vishal Polara	Artificial Intelligence based battery management system for electrical vehicles to forecast state of charge.	202141001148 (Published)	22/01/2021
11.	Prof. Vishal Polara	Deep Learning Based Animal Tracking System Using Voice Vocalization	202141004404 (Published)	12/02/2021



12.	Dr.Keyur Brahmhatt	Influence of RFID Technology On Automated Management Of Construction Materials	202121000726 (Published)	26/02/2021
13.	Ankur Varma, Jay Suthar, Dr. Mehfuza S. Holia, Dr. M MI Solanki	Smart Device Operated And Controlled Electronic Virtual Switch	201921033984A	27/02/2021
14.	Dr. Vatsal Shah	PRAMS for Scheduling in Real Time	202121019254 (Published)	02/07/2021
15.	Dr J M Rathod	A Novel Automated Security Model For Covid-19	202131024688 A, The Patent Office Journal No. 28/2021, Page No: 30854	09/07/2021
16.	Dr J M Rathod	IoT Based Solar Assisted Inexpensive Ceramic Based Water Purification For Natural Rain Water Harvesting	202131025800 A The Patent Office Journal No. 28/2021, Page No: 30861	09/07/2021
17.	Dr.K.D.Patel, Dr.Keyur Brahmhatt	Photovoltaic Water Purging System	20212100009A	02/01/2021
18.	Prashant Dilipbhai Sachaniya, Dr.J M Rathod	Novel Design Of Corrugated Horn Antenna For Satellite Applications	202121004770 A The Patent Office Journal No. 07/2021, Page No: 6714	12/02/2021
19.	Kenil Naik , Dhaval V Kambaliya Rahul Hadiya, Dr.J M Rathod, Dr. M S. Holia	The Low Cost Novel CoronaVirus Detection And Screening Machine	202121004963 A The Patent Office Journal No. 08/2021, Page No: 8707	19/02/2021
20.	Dr J M Rathod	Senior Member Grade Elevation Notification	IEEE-USA	25/02/2021
21.	Dhanesh Hareshbhai Poriya Dr Jayesh Pitroda , Dr. M Rathod	Developing Web-App System For Effective Documentation In Project Management	202121002716 A The Patent Office Journal No. 09/2021,Page No:79	26/02/2021



22.	Dr Jayesh Pitroda, Dr. J M Rathod, Dr. Keyur N. Brahmbhatt	Influence Of RFID Technology On Automated Management Of Construction Materials	202121000726 A The Patent Office Journal No. 09/2021, Page No:77	26/02/2021
23.	Dhaval V Kambaliya, Dr. M Rathod, Mansi S Patel, Stutee P Dave	Digital Electroencephalogram Diagnostic System For Epileptic Seizures	Application No.202121009883 A, The Patent Office Journal No. 11/2021 Page No: 12806	12/03/2021
24.	Dr J M Rathod	Rectangular Patch Antenna With Tree Fractal Structure	202141060958, Journal Number-03/2022, Journal Date: 27/12/2021 ,	27/12/2021
25.	Darshit Darji	Underwater Robot Project Id - Bvm 2020/lpr-9	356337-001	07/01/2022
26.	Jay Prajapati	Quadruped Robot Project Id - Bvm/ SSIP /2019-2020/lpr-10	356338-001	07/01/2022
27.	Darshit Darji	Robot Project Id - Bvm/SSIP/2019- 2020/lpr-11	356340-001	07/01/2022
28.	Darshit Darji	An Apparatus For Self-Instillation Of Eye Drops Project Id - BVM/SSIP/2019-2020/IPR-12 (patent Published on 26/06/23)	356339-001; No.202221001245 A	07/01/2022
29.	Darshit Darji	An Apparatus For Self-Instillation Of Eye Drops	356339-001	07/01/2022
30.	Shrey Mayank	Concrete Composition Project Id - BVM/SSIP/2019-2020/IPR-14	TEMP/E-1/712/2022	07/01/2022
31.	Jay Goswami	Smart Prosthetic Upper Limb Project Id - Bvm/ SSIP /2019-2020/lpr-3	TEMP/E-1/1310/2022-MUM	09/01/2022
32.	Heramb Dahivalkar	IR Based Hexagonal Multi-Layered Micro Robot Project Id - BVM/SSIP/2019- 2020/IPR-5	TEMP/E1/1267/2022-MUM	09/01/2022
33.	Amaan Shaikh	Pipe Climbing Robot Project Id - Bvm/ SSIP /2019-2020/lpr-6	TEMP/E1/1311/2022-MUM	09/01/2022
34.	Darshit Darji	Swappable Battery Unit For Underwater Vehicles	TEMP/E-1/1305/2022-MUM	09/01/2022



35.	Harshil Rana, Tarun Viradiya, Anita Bhatt	Smart Energy System And Method	Application No: 202221000778.	21/01/2022
36.	Darshit Darji	Eye Drops Instilling Robot Project Id - Bvm/SSIP/2019-2020/lpr-8	TEMP/E1/1462/2022-MUM	10/01/2022
37.	Rakeshkumar S Barot, Jigar R Patel	An IoT enabled smart foundry molding sand moisture Measurement & control system	Application No: 202221023523 (Filed, Not published yet)	21/04/2022
38.	Rakeshkumar S Barot, Dr. Vinay J Patel	An IoT Enabled Wire Feed and Welding Speed Measurement System"	Application No: 202221023951 (Filed, Not published yet)	22/04/2022
39.	Rakeshkumar S Barot, Dr. Vinay J Patel	An IoT enabled wire feed measurement using rotary encoder"	Application No: 202221024160 (Filed, Not published yet)	25/04/2022
40.	Dr Vatsal Shah, Abhishek Shah, Jay B Patel, Ghanshyam Savaliya, Aseem Thakkar	VRDRIVE: A driving simulation for RTO (Regional Transport Office)	Application No:2022210306867 A(Published)	10/06/2022
41.	Prof. Vishal Polara	Smart blind stick using IOT	202221029941 (Published)	29/07/2022
42.	Jaydeep Chavda, Dr. I N Patel	Depolluting concrete composition	TEMP/E-1/89437/2023-MUM	06/11/2023
43.	Jaydeep Chavda, Dr. I N Patel	Sprayable depolluting coating for concrete surfaces	TEMP/E-1/89463/2023-MUM	06/11/2023



International Patent:

1	Dr J M Rathod	A Solar Assisted Climatic Reader Farming Robotic System And Its Working Method Thereof	Australian Application Number: 2021103075	07/09/2021
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Patent Granted:

1.	Dr Jayesh Pitroda, Dr Reshma Patel	Lean concrete block	Application No. 202121039095 (patent no 391634) granted for 20 years By IPR India	29/08/2021
2.	Mr R S Barot, Dr H S Berawala	Single Point Incremental Forming Process: Used For Improving Surface Roughness In Formed Sheet Material Component	Application No. 2187/MUM/2015 Patent No. 405629 (Published on 05/05/2017)	02/09/2022
3.	Jay Prajapati	Quadruped Canine Robot Project Id - Bvm/ SSIP /2019-2020/lpr-4	356338-001 (Patent Granted and certificate issued on 25/1/2023.Published in Journal 04/2023 dated 27/01/2023)	07/01/2022
4.	Darshit Darji	Robot Project Id - Bvm/SSIP/2019- 2020/lpr-11	356340-001 (Patent Granted and certificate issued on 25/1/2023.Published in Journal 04/2023 dated 27/01/2023)	07/01/2022
5.	Jay Goswami	Prosthetic Limb Project Id - Bvm/ SSIP /2019- 2020/lpr-13	356336-001 (Patent Granted and certificate issued on 19/1/2023.Published in Journal 03/2023 dated 20/01/2023)	07/01/2022
6.	Dr. I N Patel, Prof Jagruti Shah Shrey Rana & Sachin Subhas Devang Jadav, Bhart kanzariya Pradip Baldaniya	Concrete Composition	202221001157 ; Patent No. 465405	02/11/2023
7.	Prof (Dr.) Vinay J. Patel , Darshit Pareshbhai Darji	Eye Drops Instilling Robot	435534	26/06/2023
8.	Prof. (Dr.) Vinay J. Patel, Prof. (Dr.) Dipakkumar M. Patel, Darshit Pareshbhai Darji, Naitik Hetalkumar Dalwadi, Vrushal Vinodkumar Vara, Rutvik Rajeshbhai Valand, Vivek Niteshbhai Solanki	UNDERWATER ROBOT (Design Patent)	Design No. : 356337-001	12/09/2023

