



Society for Computer Technology and Research's
Pune Institute of Computer Technology
Department of Electronics & Telecommunication Engineering
INTELLECTUAL PROPERTY RIGHTS (IPR)

PATENTS

Sr. No.	Inventors/Applicants from PICT	Title of Invention	Application No. (Country)	Status (Date)
1	Dr. M. P. Turuk Dr. G. S. Mundada Dr. M. V. Munot Dr. R. C. Jaiswal S. Thakur S. A. Khan	A Wearable Device and Method For Detecting Falls and For Determining Damages To User	201921027968 (India)	Filed (11/07/2019)
				Published (16/08/2019)
				Granted (16/08/2019)
2	Dr. G. S. Mundada Dr. R. C. Jaiswal Mr. A. A. Deshmukh Mr. C. Bachhav, Mr. S. Batane, Mr. S. Chile,	System, Method and Apparatus For Facilitating Waste Management	201921027495 (India)	Filed (09/07/2019)
				Published (16/08/2019)
3	Dr. G. S. Mundada Dr. R. C. Jaiswal K. K. Ghosh J. Ghughu R. Lampuse	A System and Method for Monitoring Fuel Usage in a Vehicle	201921028449 (India)	Filed (15/07/2019)
				Published (16/08/2019)
4	Mr. M. Zakee	Symbol Scrambling and Filtering Technique For Peak-To-Average Power Reduction In OFDM.	201921044318 (India)	Filed (1/11/2019)
				Published (22/11/2019)
5	Dr. M. V. Munot	System For Calling and Receiving Landline Phone Calls Over Smart Mobile Through WI-FI.	201921035145 (India)	Filed (30/08/2019)
				Published (27/09/2019)
				Granted (30/01/2024)



Society for Computer Technology and Research's
Pune Institute of Computer Technology
 Department of Electronics & Telecommunication Engineering
INTELLECTUAL PROPERTY RIGHTS (IPR)

Sr. No.	Inventors/Applicants from PICT	Title of Invention	Application No. (Country)	Status (Date)
6	Dr. M. V. Munot	Artificial Intelligence (AI) Based Online Censoring Engine System For Social Media.	202021049224 (India)	Filed (11/11/2020)
				Published (27/11/2020)
7	Dr. M. V. Munot	Censoring Online Social Media Platform Content Through Artificial Intelligence-Based Framework	2020104298 (Australia)	Filed (23/12/2020)
				Published (18/03/2021)
				Granted (18/03/2021)
8	Dr. D. D. Pradhan	An Efficient Gain Flattened Erbium Doped Fiber Amplifier For DWDM System.	202021008827 (India)	Filed (02/03/2020)
				Published (03/09/2021)
9	Dr. M. V. Munot	Portable Trolley	343354-001 (India)	Filed (11/05/2021)
				Granted (16/12/2022)
10	Dr. M. V. Munot	Traveler Trolley	343352-001 (India)	Filed (11/05/2021)
				Granted (15/12/2022)
11	Dr. M. P. Turuk, Dr. R. Sreemathy, S. D. Goj, P. Shah	Unmanned Aerial Vehicle (UAV) And Navigation Method Thereof	202221010717 (India)	Filed (28/02/2022)
				Published (18/03/2022)
12	Dr. M. V. Munot	A Convolutional Neural Network-Based Method and System for associating Face and Facial Components	2021104946 (Australia)	Filed (08/04/2021)
				Published (05/05/2022)
				Granted (05/05/2022)



Society for Computer Technology and Research's
Pune Institute of Computer Technology
Department of Electronics & Telecommunication Engineering
INTELLECTUAL PROPERTY RIGHTS (IPR)

Sr. No.	Inventors/Applicants from PICT	Title of Invention	Application No. (Country)	Status (Date)
13	Dr. M. V. Munot	System For Calling And Receiving Landline Phone Calls Over Smart Mobile Through WI-FI.	2022/04880 (South Africa)	Filed (04/05/2022)
14	Dr. R Sreemathy, Dr. M. P. Turuk	Device And Method To Recognize Alphabets Of Indian Sign Language To Generate A Word	202221060176 (India)	Filed (21/10/2022)
				Published (11/11/2022)
15	Dr. M. V. Munot	An Apparatus For Covid-19 Detection From Exhaled Breath	388343-001 (India)	Filed (07/06/2023)
16	Dr. M. V. Munot	Artificial Intelligence Based Smart Antenna System For Green Communication	2022/13807 (South Africa)	Filed (21/12/2022)
				Published (29/03/2023)
17	Dr. M. V. Munot	System And Method For Differentiating Between Seizures Type	201921032259 (India)	Filed (08/08/2019)
				Granted (17/05/2023)
18	Dr. M. V. Munot	Sensing System, Method And Device For Non-Invasively Detecting Chronic Kidney Disease From Exhaled Breath	2023/07817 (South Africa)	Filed (10/08/2023)
				Granted (27/03/2024)
19	Dr. S. S. Vasekar	System and Method For Collecting and Analysing Electroencephalogram (EEG) Spectrals for Om Mantra Meditation and Application Thereof	2023/06323 (South Africa)	Filed (19/06/2023)
				Granted (31/01/2024)



Society for Computer Technology and Research's
Pune Institute of Computer Technology
Department of Electronics & Telecommunication Engineering
INTELLECTUAL PROPERTY RIGHTS (IPR)

Sr. No.	Inventors/Applicants from PICT	Title of Invention	Application No. (Country)	Status (Date)
20	Dr. R. Sreemathy, Dr. M. P. Turuk,	System and Method For Translating English Text Into Indian Sign Language (ISL) Gestures	2024/03126 (South Africa)	Filed (23-04-2024)
21	Dr. R. C. Jaiswal	An Apparatus For Assisting A Visually Impaired User	201821031503 (India)	Filed (22/08/2018) Granted (14/06/2024)
22	Dr. M. V. Munot	An Apparatus For Covid-19 Detection From Exhaled Breath	388343-001 (India)	Filed (14/06/2023) Granted (12/06/2023)
23	Dr. M. V. Munot	A Gas Chamber For Measuring Biomarkers In Exhaled Breath	391825-001 (India)	Filed (03/08/2023) Granted (12/10/2023)
24	Dr. M. V. Munot	System For Determining Stress Level Using EEG Sub-Band	1722/MUM/2015 (India)	Filed (30/04/2015) Granted (16/02/2024)
25	Dr. M. V. Munot	Automated Identification of Isolated and Overlapping Objects Using Delaunay Triangulation	201821010944 (India)	Filed (25/03/2018) Granted (19/02/2024)
26	Dr. M. V. Munot	Automated Decision Support System (DSS) For Thyroid Malignancy Detection Through USG	201721046249 (India)	Filed (22/12/2017) Granted (25/03/2024)
27	Dr. R. Sreemathy	A System And Method For Teaching Simple Mathematics Using Indian Sign Language	201621001184 (India)	Filed (13/01/2016) Granted (18/04/2024)



Society for Computer Technology and Research's
Pune Institute of Computer Technology
 Department of Electronics & Telecommunication Engineering
INTELLECTUAL PROPERTY RIGHTS (IPR)

Sr. No.	Inventors/Applicants from PICT	Title of Invention	Application No. (Country)	Status (Date)
28	Dr. Y. Ravinder	System, Device And Method For Condition Monitoring Of A Machine Using Vibrational Analysis	202321072427 (India)	Filed (10/03/2023)
29	Dr. V. B. Vaijapurkar, Dr. Y. Ravinder	Testing Apparatus, Testing System, And Testing Method For Testing Shape Memory Wire	202421027162 (India)	Filed (02/04/2024)
				Published (21/06/2024)
30	Dr. S. V. Shinkar	A Customized Sidechaining Model To Enhance Quality Of Service (QoS) Under The Development Of A Supply Chain Management	202321073700 (India)	Filed (30/10/2023)
31	Dr. M. V. Munot	Precision Aerial Drone For Automated Coconut Harvesting	6387995 (UK)	Filed (31/08/2024)
				Granted (10/09/2024)
32	Dr. M. V. Munot	Jaggery Adulteration Detection Device	6388760 (UK)	Filed (05/09/2024)
				Granted (30/09/2024)
33	Dr. R. C. Jaiswal	Smart Consumer Product Managing Device	6406776 (UK)	Filed (22/11/2024)
				Granted (02/12/2024)
34	Dr. G. S. Mundada Dr. R. C. Jaiswal	AI-Powered Predictive Analytics System For Early Detection Of Alzheimer Disease	6405786 (UK)	Filed (19/11/2024)
				Granted (02/12/2024)



Society for Computer Technology and Research's
Pune Institute of Computer Technology
Department of Electronics & Telecommunication Engineering
INTELLECTUAL PROPERTY RIGHTS (IPR)

Sr. No.	Inventors/Applicants from PICT	Title of Invention	Application No. (Country)	Status (Date)
35	Dr. R. C. Jaiswal	Electronic Device For Crypto Currency Value Exchange	6405576 (UK)	Filed (18/09/2024)
				Granted (09/12/2024)
36	Dr. R. C. Jaiswal Dr. M. V. Munot	Advanced AI Literary Analysis Tool	6412417 (UK)	Filed (19/12/2024)
				Granted (02/01/2025)
37	Dr. M. N. Kakade Dr. S. K. Moon Mr. A. S. Ingole Mr. N. B. Patil Dr. R. G. Yelalwar Mr. D. M. Shinde	Ai Based Biometric Lock For Luggage And Equipment Security	6416109 (UK)	Filed (08/01/2025)
				Granted (14/01/2025)
38	Dr. R. Sreemathy Dr. M. V. Munot	Ai Based Biometric Lock For Luggage And Equipment Security	2024/03126 (South Africa)	Filed (23/04/2024)
				Granted (18/12/2024)
39	Dr. R. Sreemathy Dr. M. P. Turuk	Device And Method To Recognize Alphabets Of Indian Sign Language To Generate A Word	202221060176 (India)	Filed (21/10/2022)
				Granted (22/08/2024)
40	Dr. M. P. Turuk	Medical Image Watermarking Techniques For Health Information System	201721016080 (India)	Filed (08/05/2017)
				Granted (16/12/2024)
41	Dr. S. V. Shinkar	Solar Cell Phone Cover	422674-001 (India)	Filed (09/07/2024)
				Granted (17/10/2024)
42	Ms. T. S. Londhe	Development Of A Secure System To	435268-001 (India)	Filed (22/10/2024)



Society for Computer Technology and Research's
Pune Institute of Computer Technology
Department of Electronics & Telecommunication Engineering
INTELLECTUAL PROPERTY RIGHTS (IPR)

		Mitigate Jamming Attack In Cognitive Radio Network		Granted (16/01/2025)
43	Dr. S. V. Shinkar	Ajustable Solar Panel	443456-001 (India)	Filed (08/01/2025)
				Granted (27/03/2025)
44	Ms. K. M. Masal	Enhanced Object Recognition For Indoor Navigation Assistance A Region Proposal And Spatial Information Integrated Network	202421076588 A (India)	Filed (09/10/2024)
				Published (15/11/2024)

COPYRIGHTS

Sr. No.	Inventors/Applicants From PICT	Title Of Invention	Diary No.	Status (Date)
1	Dr. M. V. Munot	Automated Karyotyping System	2515/2020-CO/A	Registered (5/10/2020)
				Issued (9/02/2020)
2	Mr. M. A Chimanna	Robustness Video Watermarking Against Various Attacks Using Wavelet Transform Techniques And Principal Component Analysis	32629/2023- CO/SW	Issued (08/12/2023)
3	Dr. M. V. Munot	Artificial Intelligence Based Models For Sound Design Pertaining To Foley Effects	32711/2024- CO/L	Issued (08/12/2023)
4	Dr. S. K. Moon	Enhancing Information Security And Its Authentication With Multimodal Biometric System	33531/2024- CO/L	Issued (08/12/2023)



Society for Computer Technology and Research's

Pune Institute of Computer Technology

Department of Electronics & Telecommunication Engineering

INTELLECTUAL PROPERTY RIGHTS (IPR)

Sr. No.	Inventors/Applicants From PICT	Title Of Invention	Diary No.	Status (Date)
5	Mr. S. D. Hake, Dr. R. C. Jaiswal	Design And Analysis Of Circularly Polarized Microstrip MIMO Antenna	34178/2024-CO/L	Issued (08/12/2023)
6	Dr. M. V. Munot	Development Of A Framework For Visual Pattern Recognition Network (VPRN) Model Compression	31880/2024-CO/L	Registered (12/10/2024)
7	Dr. M. V. Munot	Artificial Intelligence Based Framework For Analysis Detection, And Moderation Of Social Media Content	32712/2024-CO/L	Registered (18/10/2024)