

S. No	Patent Application No (PAN)	Patent Title	Inventor	Date of filing application	Status
1	PAN 20231105988 3	HYBRID C-LSTM NETWORK-BASED CHANNEL ESTIMATION FOR POLAR CODED MIMO-OFDM SYSTEM IN 5G NETWORKS	M. MEENALAKSHMI, DR. SAURABH CHATURVEDI AND DR. VIVEK KUMAR DWIVEDI	06.09.2023	Published (13.10.2023)
2	20231102003 9	Acoustics Based Grasshopper population Controller	Dr. Kapil Dev Tyagi and Chakresh Kumar Jain	22.03.2023	Published (12.05.2023)
3	20231103677 0	An Improvised Generic Modular Adder System	Mrs. Tukur Gupta, Dr. Gaurav Verma and Dr. Shamim Akhter	27.05.2023	Published (30.06.2023)
4	PAN 20231102727 0	A SECURED AUTOMOBILE AUTHENTICATION SYSTEM (SAAS)	Mr. SHREYANSH MISHRA, ISHIKA SHARMA and Dr. SHAMIM AKHTER	13.04.2023	Published (02.06.2023) FER issued
5	20231101749 5	AN AIR POLLUTION & GAS LEAKAGE DETECTOR	GARG, Mr. SHIVAM AGGARWAL and Mr. AVIRAL SAXENA	15.03.2023	Published (31.03.2023)
6	PAN 20231101283 5	A Smart Luggage Cum Stroller System	Dr. Vimal Kumar Mishra	25.02.2023	Published (17.03.2023) FER Submitted
7	PAN 20231100050 7	SUBSTRATE INTEGRATED WAVEGUIDE CAVITY SLOT ANTENNA ARRAY WITH DUAL OPERATION (RADIATOR AND REFLECTOR)	Dr. Abhay Kumar and Prof. Shweta Srivastava	04.01.2023	Published (13.01.2023) FER Submitted
8	PAN 20231100057 4	ZT_BUSM: A ROBUST BLOCKCHAIN BASED SECURE UAV-UAV COMMUNICATION USING ZERO TRUST SECURITY MODEL	Dr. Juhi Gupta and Arushi Srivastava	04.01.2023	Published (13.01.2023) FER Submitted
9	20221106983 0	Smart Lung Disease Detection System	Ms. Manika Jha, Dr. Richa Gupta and Prof. Rajiv Saxena	03.12.2022	Published (08.03.2024)
10	20221105899 3	A TUNABLE ACTIVE INDUCTOR USING ON-CHIP BIAS VOLTAGES	Dr. Garima Kapur	15.10.2022	Published (21.10.2022)
11	PAN 20221105109 0	A SYSTEM TO RECEIVE ACOUSTIC SIGNALS AND TO REFLECT NOISE FROM DIRECTION OF NO INTEREST	Kapil Dev Tyagi	07.09.2022	Published (16.09.2022)
12	PAN 20221103625 1	A METHODOLOGY FOR SMART GREENHOUSE BASED MONITORING AND ANALYZING THE HEALTH OF WILD ANIMALS	Dr. Shruti Kalra and Ruby Beniwal	23.06.2022	Published (01.07.2022) FER submitted
13	PAN 20211105172 5	FREQUENCY ADJUSTABLE AND PORTABLE ANALOG UNDERWATER MAMMAL ACOUSTIC CLICK AUDIO DETECTOR	Dr. Kapil Dev Tyagi	11.11.2021	Published (12.05.2023)
14	PAN 20211105127 2	EMOIT: AN INTELLIGENT TOY WITH EMOTIONS	Dr. Shikha Jain, Dr. Madhu Jain, Prakhari Gupta and Vidit Singh	09.11.2021	Published (28.01.2022) FER Submitted
15	PAN 20211104160 9	FITNESS SHOE	Dr. Madhu Jain, Tanishq Manuja and Karan Pechori	15.09.2021	Published (28.01.2022) FER submitted
16	PAN 20211103607 1	A WEARABLE SMART HEALTH MONITORING DEVICE.	Varnit Goswami and Dr. Gaurav Verma	10.08.2021	Published (14.01.2022)
17	PAN 20211103209 1	A CAVITY BASED MULTI RESONANT PIEZOELECTRIC ENERGY HARVESTER WITH ONE STRAIGHT AND TWO L-SHAPED BRANCHES	Shradha Saxena, Prof. R. K. Dwivedi and Dr. Vijay Khare	16.07.2021	Published (28.01.2022) Granted (07.03.2024) number: 521931

18	PAN 20211102437 5	FAST AND ACCURATE POWER ESTIMATION TOOL (FAPET) FOR FPGA BASED FIR SYSTEM	Neerja Singh, Dr. Gaurav Verma and Dr. Vijay Khare	01.06.2021	Published (14.01.2022) FER submitted
19	PAN 20211101221 1	A SYSTEM TO CLASSIFY THE UNDERWATER MAMMALS ON THE BASIS OF AGE AND GENDER USING ACOUSTIC CLICK DATA	Dr. Kapil Dev Tyagi	22.03.2021	Published (14.01.2022) FER submitted Hearing
20	PAN 20211100509 9	Rice Palanting Robot	Dr. Vimal Kumar Mishra, Mr. Vaiabhav Mishra, Mr. Abhinav Chaudhary and Shivangi	05.02.2021	Published (14.01.2022), Hearing 12.01.2024
21	PAN 20211100510 0	ERROR DETECTING PEN	Prateek Bansal and Dr. Shruti Kalra	05.02.2021	Published (14.01.2022), FER Submitted
22	PAN 20201104061 8	Cavitation Noise Rejection Using Air As Discontinuity In Underwater Measurements	Dr. Kapil Dev Tyagi	19.09.2020	Published (25- 03-2022) FER submitted
23	PAN 20201104385 3	Fully Active Dead-Zone Circuit with High Precision and Suitable for IC Design	Dr. Atul Kumar, Dr. Bhartendu Chaturvedi and Dr. Jitendra Mohan	08.10.2020	Published (15.04.2022) FER Submitted
24	PAN 20201101830 9	Direction Of Arrival Estimation Of An Underwater Acoustic Source Using Two Sensors And Human Senses	Dr. Kapil Dev Tyagi	29.04.2020	Published (05.11.2021), FER submitted
25	PAN 20201103190 4	Safe and Intelligent Scissor	Dr. Madhu Jain and Dr. Shikha Jain	25.07.2020	Published (28.01.2022) and FER Submitted
26	PAN 20191104830 7	Direction of arrival estimation using single sensor and reflector for acoustic pulse source.	Dr. Kapil Dev Tyagi	26.11.2019	Published (17.01.2021), Granted (04.12.2023) number: 476723
27	PAN 20191104751 9	Substrate Integrated Waveguide Yagi Array Antenna on Silicon Substrate.	Arnab Chakraborty and Prof. Shweta Srivastava	21.11.2019	Published (03.09.2021), FER Submitted
28	PAN 20181100090 7	A System and Method for Real time Biometric Surveillance	Ms. Monika Singh and Akshay Kumar	12.07.2019	Published (12.07.2019)