

Abhilashi University
List of Patents

SN	Faculty Name	Title of Patent	Patent Number	Year of Award/Publication
1	Dr. Ramireddy Sushmitha , Dr. B. K Sarkar, Prof.(Dr.) Reena Singh , Prof.(Dr.) Vandana Singh	AI Based Transportation container tracking Device	445437-001	2025
2	Dr. Mamta Punjabi ,Dr. Promila Abhilashi , Dr. B. K Sarka , Prof.(Dr.) Vandana Singh	AI Based ECG Monitoring device	448162-001	2025
3	Dr Supernova Chakraborty ,Dr. B. K Sarkar, Dr. Promila Abhilashi , Prof.(Dr.) Vandana Singh	AI based student behavior analyzing device	448408-001	2025
4	Dr. Vikas Verma ,Dr. B. K Sarkar , Dr. Promila Abhilashi , Prof.(Dr.) Vandana Singh 5. Dr. Suman Kumari	AI based plant growth monitoring device	450184-001	2025
5	Dr. Vinay B Raghavendra ,Dr. B. K Sarkar, Dr. Dev Prakash Dahiya , Dr. Chinu Kumari , Prof. Dr. Vandana Singh	AI based agricultural Robot	452521-001	2025
6	Dr. Amit Verma ,Dr. Kapil Kapoor , Prof.(Dr.) Reena Singh , Prof.(Dr.) Vandana Singh	AI based Vending machine for Products Selling	445220-001	2025
7	Debaditya Raychaudhuri ,Dr. B. K Sarkar , Dr. Promila Abhilashi , Dr. Jyoti Sondhi	AI Based Cloud Data Storage Device	453585-001	2025
8	Harsh Kumar , Dr. B. K Sarkar , Dr. Promila Abhilashi , Prof.(Dr.) Vandana Singh	Image Processing based historical place Analysing device	448404-001	2025
9	Suyog Maruti Rasal , Dr. B. K Sarkar , (Dr.) Promila Abhilashi , Prof.(Dr.) Vandana Singh	AI based Cancer stage detection device	448969-001	2025
10	Prof. Dr. Jaysing M. Hotkar , Dr. B. K Sarkar , Dr. Abhinav Rathore , Prof.(Dr.) Vandana Singh, Dr. Manbi Sharma	AI based Cricket Ball Quality Checking device	452377-001	2025
11	Dr Ramesh Kumar Parua, Dr. Jasmer Singh, Dr. B. K Sarkar, Ms.Yomimi , Ms. Megha Chandel	AI based Duitara stringed Musical instrument	453463-001	2025
12	Dr Subhashis Banerjee , Dr. B. K Sarkar , Dr. Promila Abhilashi , Prof.(Dr.) Vandana Singh	AI based English Speaking practicing device	447174-001	2025
13	Dr Ramesh Kumar Parua , Dr. Jasmer Singh , Dr. B. K Sarkar , Ms.Yomimi, Ms. Megha Chandel	AI based library information display device	445625-001	2025
14	Dr. Pravina Sunil Daf , Dr. B. K Sarkar , Dr. Promila Abhilashi , Prof.(Dr.) Vandana Singh	AI Based Plant's type Identification Device	445867-001	2025

15	Dr. Promila Abhilashi , Dr. Thoudam Paraskumar Singh, Dr. B. K Sarkar ,Prof.(Dr.) Vandana Singh	AI based robot to charge electric vehicle	448399-001	2025
16	Sai Akshara Vemuri, Dr. Promila Abhilashi, Dr. B. K Sarkar, Prof.(Dr.) Vandana Singh	AI based robotic device for Heart surgery	448398-001	2025
17	Prof Dr R K Vaithiyanathan, Dr. B. K Sarkar, (Dr.) Promila Abhilashi, Prof.(Dr.) Vandana Singh	IoT Based Women Safety device	446723-001	2025
18	Mr. Aadrushya Jyoti Pattanayak, Prof.(Dr.) B. K Sarkar, Dr. Promila Abhilashi, Prof.(Dr.) Vandana Singh	Nano-ceramic Materials testing device	447175-001	2025
19	Vaneet Kumar , Dr. B. K Sarkar , Prof.(Dr.) Reena Singh , Prof.(Dr.) Vandana Singh	REHABILITATION EXERCISE DEVICE	445868-001	2025
20	Dr. Krishna Pratap Singh , Dr. B. K Sarkar , Dr. Promila Abhilashi , Prof.(Dr.) Vandana Singh	AI BASED ENGLISH SPEAKING ERROR DETECTING DEVICE	447564-001	2025
21	Dr Noyonika Kaul , Dr. Promila Abhilashi , Dr. B. K Sarkar, Prof.(Dr.) Vandana Singh	SEED TREATMENT DEVICE TO ENHANCE DISEASE RESISTANCE	448406-001	2025
22	Shinde Swapnali Eknath , Dr. Promila Abhilashi , Dr. B. K Sarkar, Prof.(Dr.) Vandana Singh	AI BASED ANTENNA	448265-001	2025
23	Dr. Jamil Ahmed , Dr. B. K Sarkar , Dr. Promila Abhilashi, Prof.(Dr.) Vandana Singh , Mr. Chander Bhanu Sen	AI BASED ARCHAEOLOGICAL AND HISTORICAL LOCATION AGE DETECTING DEVICE	449501-001	2025
24	Dr.Prashant Ramakant Kshirsagar , Mr. Chander Bhanu Sen, Dr. Bandana	AI-BASED BIOMETRIC DOOR	453465-001	2025
25	Prof. Dr. Jaysing M. Hotkar , Dr. B. K Sarkar , Ms. Yamini, Prof.(Dr.) Vandana Singh , Ms. Megha Chandel	AI BASED CRICKET BALL TRAJECTORY TRACKING DEVICE	452522-001	2025
26	Dr Archana Shirbhate , Dr Leena Gahane , Dr. B. K Sarkar, (Dr.) Promila Abhilashi	AI based solarplates cleaning device	454704-001	2025
27	Dr. Abhijit Chandratreya , Dr. B. K Sarkar , Dr. Suman Kumari, Dr. Bandana Kapoor , Prof. Devender Sharma	AI based Consumer Behaviour Prediction Device	454941-001	2025
28	Dr. Swati Sambhaji Kharade , Dr. B. K Sarkar , Dr. Kapil Kapoor, Hemant Kapoor , Dr. Divya Deepak	Hydroponics Device For Plants Growth	455095-001	2025
29	Dr Sunita , Dr. B. K Sarkar , Dr. Dev Prakash Dahiya , Dr. Abhinav Rathore, Dr. Manni Sharma	AI based IQ level checking device	455096-001	2025

30	Dr. Praveen Kumar Singh , Dr. B. K Sarkar , Dr. Chinu Kumari, Ms. <u>Megha Chandel</u> , Ms. <u>Yamini</u>	AI based Vegetable Quality Checking Device	454835-001	2025
31	Dr. Ashutosh Pareek , Tripti Pareek ,	AI Based Hindi error detecting device	455423-001	2025
32	Dr. Biswajit Dey , Dr. B. K Sarkar , Dr. Aakriti Guleria , Mrs. Jaya Kumari, Dr. <u>Richa</u>	AI Based Diacritical Marks Error Detection Device	456448-001	2025
33	Parmar Bhargavkumar Manubhai , Dr. B. K Sarkar , Dr. Bindu Chauhan , Dr. Prerna , Dr. Shivali Mehra	AI BASED PROBIOTIC BACTERIA DETECTION DEVICE	456346-001	2025
34	Dr. Prashant Hari Bhadane , Dr. B. K Sarkar , Dr. Vikas Kumar, Soniya <u>Kumari</u>	AI BASED HEART ATTACK ALERTING DEVICE	456449-001	2025
35	Dr. Totan Garai, Prof. Dr. Reena, Prof. Dr. B.K. Sarkar, Prof. Suman Kumari	AI BASED DECISION MAKING PROCESS ON BIOMEDICAL WASTE MANAGEMENT	202531033838	2025
36	Dr. Richa Gupta, Dr. Rajendar Kumar Shukla, Dr. Divya Deepak, Prof. B.K. <u>Sarkar</u> , Dr. <u>Rahul</u>	AI BASED ALGORITHMS FOR IDENTIFICATION OF ALZHEMIERS BIOMAKERS IN CSF	202521037229	2025
37	Dr. Amit Singh, Prof. Reena Singh, Prof. B.K. Sarkar, Dr. Abhinav <u>Rathore</u>	FERROELECTRIC RANDOM-ACCESS MEMORY FOR NON-VOLATILE MEMORY APPLICATIONS	202511037221	2025
38	Dr. Bhavanishankar Ravindra , Mr. Chetan Sharma , Dr. Kapil Kapoor , Hemant Kapoor, Dr. Divya Deepak	AI based drone for women security	6434838	2025
39	Dr. Ankita Chaudhary	English Language learning application with AI based literature lessons	1218173(Grant))	2024
40	Dr. Ankita Chaudhary	English Language Learning computing device with Comprehensive AI-Powered	6349594(Grant)	2024
41	Dr. Jay Nath Patel	Smart Irrigation Sprinkler	404148-001	2024
42	Dr. Ankita Chaudhary	English Language Learning computing device with Comprehensive AI-Powered	6349594	2024
43	Dr. Appasaheb Mukund Chavan, Dr. Atul, Mohanrao Jetha, Prof. (Dr.) B.K Sarkar, Prof.(Dr.) Reena Singh, Mr. <u>Pawan Kumar Singh</u>	CRICKET BALL QUALITY CHECKING DEVICE	424955-001	2024
44	Dr Prathima V.R, Dr Ajatashatru Samal, Rajashree Joshi, Shridhar Deshpande Dr. S. Kavitha , Priya R P, Srija H R, Prasanna Hn, Jahnvi R, Dr Thirulogasundaram V P.	PORTABLE DEVICE FOR MEASURING SUGAR LEVEL THROUGH SALIVA	427696-001	2024
45	Dr. Chandra Shekhar Singh, Prof. (Dr.) B.K Sarkar, Prof.(Dr.) Reena <u>Singh</u> , Mr. <u>Pawan Kumar Singh</u>	AI BASED HOME MONITORING DEVICE FOR ELDERLIES	427807-001	2024
46	Shashwat Pandey, Prof. (Dr.) B.K Sarkar, Prof.(Dr.) Reena Singh, Mr. <u>Pawan Kumar Singh</u>	AI BASED SKIN PROBLEMS DETECTION DEVICE	429171-001	2024
47	Dr. Sonu Acharya, Prof. (Dr.) B.K Sarkar, Prof.(Dr.) Reena Singh, Mr. <u>Pawan Kumar Singh</u>	DEVICE FOR CHECKING PERIODONTAL HEALTH	431224-001	2024

48	Dr Kumari Sunita, Prof. (Dr.) B.K Sarkar, Prof.(Dr.) Reena Singh, Mr. <u>Pawan Kumar Singh</u>	AI BASED PLANT STRESS DETECTING DEVICE	430633-001	2024
49	Dr. Harshita Samota, Prof. (Dr.) B.K Sarkar, Prof.(Dr.) Reena Singh, Mr. <u>Pawan Kumar Singh</u>	AI BASED OBJECT DETECTION AND NOTIFICATION DEVICE	430636-001	2024
50	Dr. Sheetal Acharya, Prof. (Dr.) B.K Sarkar, Prof.(Dr.) Reena Singh, Mr. <u>Pawan Kumar Singh</u>	AI BASED DEVICE FOR CHECKING THE COLOUR OF GINGIVA	429994-001	2024
51	Rasam Setty Satya Venkat Krishna, Prof. (Dr.) B.K Sarkar, Prof.(Dr.) Reena Singh, Mr. Pawan Kumar Singh	AI BASED MARKETING DISPLAY DEVICE	430141-001	2024
52	Ganesh Kumar Thakur, Prof. (Dr.) B.K Sarkar, Prof.(Dr.) Reena Singh, Mr. <u>Pawan Kumar Singh</u>	AI BASED SCIENTIFIC CALCULATOR	430142-001	2024
53	Dr Noyonika Kaul, Prof. (Dr.) B.K Sarkar, Prof.(Dr.) Reena Singh, Mr. <u>Pawan Kumar Singh</u>	AI-BASED MICROBIAL CONSORTIA ANALYSING DEVICE	430145-001	2024
54	Ms. Doli Deori, Prof. (Dr.) B.K Sarkar, Prof.(Dr.) Reena Singh, Mr. Pawan <u>Kumar Singh</u>	AI BASED HOME MONITORING DEVICE FOR OLDER ADULTS	432137-001	2024
55	Dr. Ningaraj Belagalla, Prof. (Dr.) B.K Sarkar, Prof.(Dr.) Reena Singh, Mr. <u>Pawan Kumar Singh</u>	AI BASED ENTOMOLOGY OBSERVATION DEVICE	431374-001	2024
56	Dr. Akhilesh Kumar, Prof. (Dr.) B.K Sarkar, Prof.(Dr.) Reena Singh, Mr. <u>Pawan Kumar Singh</u>	AI BASED ENVIRONMENT POLLUTION DETECTION DEVICE	431225-001	2024
57	Gireesh V Puthusserry, Prof. (Dr.) B.K Sarkar, Prof.(Dr.) Reena Singh, Mr. Pawan Kumar Singh	BLOCK CHAIN BASED DATA STORAGE AND PROCESSING DEVICE	431373-001	2024
58	Gireesh V Puthusserry, Prof. (Dr.) B.K Sarkar, Prof.(Dr.) Reena Singh, Mr. <u>Pawan Kumar Singh</u>	AI BASED ROBOTIC ARM	431229-001	2024
59	Dr. Sushma N Jogan, Prof. (Dr.) B.K Sarkar, Prof.(Dr.) Reena Singh, Mr. <u>Pawan Kumar Singh</u>	AI BASED DIGITAL EDUCATIONAL DISPLAY DEVICE	431230-001	2024
60	Dr. Subash Chandra Sahu, Prof. (Dr.) B.K Sarkar, Prof.(Dr.) Reena Singh, <u>Mr. Pawan Kumar Singh.</u>	AI BASED CHEMICAL POLLUTION DETECTION DEVICE	431169-001	2024
61	Dr. Subash Chandra Sahu, Prof. (Dr.) B.K Sarkar, Prof.(Dr.) Reena Singh, <u>Mr. Pawan Kumar Singh</u>	AI BASED NANO MATERIAL QUALITY DETECTING DEVICE	431171-001	2024
62	Dr. Aher Vijaya Navnath, Prof. (Dr.) B.K Sarkar, Prof.(Dr.) Reena Singh, <u>Mr. Pawan Kumar Singh</u>	AI BASED CHILD'S LOCATION DETECTION DEVICE	431667-001	2024
63	Dr Satender Khatri, Prof. (Dr.) B.K Sarkar, Prof.(Dr.) Reena Singh, Mr. <u>Pawan Kumar Singh</u>	AI BASED CANCER DETECTION DEVICE	431668-001	2024

64	Mrs. Karuna Devanand Jagdhane, Prof. (Dr.) B.K Sarkar, Prof.(Dr.) Reena Singh, Mr. Pawan Kumar Singh	AI BASED CANCER DETECTION DEVICE	432304-001	2024
65	Mahendra Kumar Mishra, Prof. (Dr.) B.K Sarkar, Prof.(Dr.) Reena Singh, Mr. Pawan Kumar Singh	AI BASED CANCER DETECTION DEVICE	433090-001	2024
66	Paresh Patil, Prof. (Dr.) B.K Sarkar, Prof.(Dr.) Reena Singh, Mr. Pawan Kumar Singh	AI-BASED EYE DISEASE DETECTION SYSTEM	433088-001	2024
67	Dr. Bhavanishankar Ravindra, Dr. Biplab Kumar Sarkar, Dr. Bandana Kapoor, Prof. (Dr.) Vandana Singh, Hemant Kapoor	AI BASED WOMEN SAFETY WATCH	6431786	2024
68	Dr. Baban K. More, Ms. Maya More, Mr. Chaitanay More, Dr. Lalit Abhilashi	Device of capturing the vehicle details and persons face detection through the AI programming.	558189	2024
69	Dr. Ankita Chaudhary	A method for new media technologies to enhance teaching and learning processes	202321017225	2023
70	Dr. Navdeep Sharma	Intelligent Digital controlled nano robotics	202311037857	2023
71	Mr. Vineet Kapoor	Semi- Automatic Intranasal Drug Delivery Device	393714-001	2023
72	Navdeep Sharma	Intelligent Digital Controlled Nano Robotics, Application Number:	202311037857	2023
73	Ankita Chaudhary	A method f new media technologies to enhance teaching and learning processes	202321017225	2023
74	Dr. Pardeep Singh Cheema , Dr. Lalit Abhilashi , Priyanka Abhilashi, Sachin Raghav, Er. Kapil Kapoor and Dr. Jyoti Sondhi	Intelligent Cyber Security Checking Device	6275497	2023
75	Dr. Pardeep Singh Cheema , Abhilashi University, Dr. Lalit Abhilashi , Priyanka Abhilashi, Sachin Raghav, Er. Kapil Kapoor and Dr. Jyoti Sondhi	Automatic Irrigation System	6275491	2023
76	Dr. Amit Chaudhary	Synthesis and Formulation of Effervescent Floating Tablets Of Schiff Base Compounds	202311005129A	2023
77	Dr. Neetu Sharma	High Density Quick Response Asthma Inhalers Making Method and Process.	202211060597	2022
78	Dr. Amit Chaudhary	Fabrication of Lipid based nano carrier drug delivery for clarithromycin	2021105101	2022
79	Dr. Amit Chaudhary	Dual release tablet-based pain management of Arthritis	202211032609	2022
80	Dr. Amit Chaudhary	Development of Intravaginal Liposomal Gel of clomiphene citrate for treatment of Polycystic ovary Syndrome	202211038450	2022
81	Mr. Sachin Raghav	Operationalising Brand Advanced Marketing Management and Cultural Heritage	202131037452	2021
82	Dr. Abhishek Soni	Deep Learning Model for predicting severity prognosis in patients infected with COVID-19	202121036722	2021
83	Dr. Ajay Kumar Gautam	Intelligent Method for Aggregating and Converting Sensor Data Streams.	202131037453	2021
84	Er. Shefali Jamwal	B-ATM Transaction: Biometric Transaction Authorization based on user location Verification	202141036720	2021
85	Dr. Pankaj Saklani	Virtual Doctor Robot: IoT Based Virtual Doctor Robot to guide the Medical Process.	202111036719	2021
86	Prof. (Dr.) Biplab Sarkar	Automatic Stock Market and Trading Algorithmic Improve using Machine Learning and Deep Learning Programming.	202111034279	2021
87	Prof. (Dr.) Biplab Sarkar	FM Transmission: Home-based Automatic FM Transmission using IoT based System.	202111034280	2021
88	Dr. Devinder Sharma	Intelligent Solar Water Heater: Construction and Performance Evaluation of a Passive Intelligent Solar Water Heater	202111034281	2021
89	Dr. D.K Mishra	Isolation and Characterization of Bioactive Compounds from Stembark Extract of Uapaca Pillosa hutch	202111034286	2021
90	Dr. Ajay Kumar Gautam	Automatic Agricultural Skilling	202111034287	2021
91	Dr. Amit Choudhary	Fabrication of lipid based nanocarrier drug delivery for clarithromycin	2021105101	2021

92	Dr. Amit Choudhary	7 - Hydroxy 4 - Methyl Coumarin analogs built into transdermal formulation for antiinflamroty activity	2021107081	2021
93	Prof. (Dr.) Biplab Sarkar	WC-Machine: Method and Machine Kitchen Waste Convert into a Compost	202141035709	2021
94	Prof. (Dr.) Biplab Sarkar	EF- Brick -Roof Tiles: Making Method and Process Environment-Friendly Brick and Roof Tiles	202121035702	2021
95	Kapil Kapoor	Transaction Authorization based on user location Verification.	2021106807	2021
96	Dr. Ritika	EF- Brick -Roof Tiles: Making Method and Process Environment-Friendly Brick and Roof Tiles.	2021106803	2021
97	Dr. Akriti Guleria	Use of Vertical Water Treatment Plant in cities to cope up with land shortage problem	2110361470	2021
98	Dr. Ravinder Kumar	Digital Evaluation Concrete Building: Digital Numerical evaluation of the behavior of areinforced concrete building	202111038364	2021
99	Dr. D.K. Mishra	Determination of antioxidant and phenolic content used of <i>Lantana camara</i>	202121038359	2021
100	Kapil Kapoor	Passive Energy Dissipation Structure Design.	202141038366	2021
101	Er. Shatruhan Jaiswal	Voice Controlled Intelligent Robotic Vehicle	202141041049	2021
102	Er. Chaman Sharma	ECO-Friendly Smart Connected Vehicle System Driven by Hybrid Renewable Energy and IOT For NH5 Only.	2021111041050	2021
103	Dr. Parikshit Sharma	Intelligent Plug and Play Point to Multipoint Internet of Things (IoT) Platform and Method of Managing the same.	2021141040844	2021
104	Dr. Parikshit Sharma	Cyber Threat Identification Using Deep Learning.	202121041051	2021
105	Dr. Monika Sharma	Amazon's Product Recommendations on Market Requirements Activity Using Machine/ Deep Learning	202111043017	2021
106	Er. Abhay Dhiman	Intelligent and Automatic Plug-In Hybrid Electric Vehicles	202131043795	2021
107	Mrs. Shivani Kaundal	Advanced Quantum Computing Deep/Machine Learning Module and System.	202111043794	2021
108	Lalit Kumar	Supersonic aircraft with spike for controlling and reducing sonic boom	202141043804	2021
109	Dr. Mahender Kait	Intelligent Irrigation System Controlling and Monitoring using IoT-Based Technology	202141043803	2021
110	Er. Shatruhan Jaswal	LPG Gas Leakage Detection Device (Voice Alert to the House Wife)	202131047261	2021
111	Dr. H.S. Banyal	Design a Wearable Sensors to Provide Healthcare Notification Using ML and IOT Based Technology.	202111047458	2021
112	Er. Abhay Dhiman	Agriculture Water Level Controlling and Monitoring Using IOT- Based Technology	202131047456	2021
113	Dr. Ravinder Kumar	Use of Vertical Water Treatment Plant in cities to cope up with land shortage problem.	2021105549	2021
114	Mr. Abhishek Soni	Intelligent Seawaterb Sepration (Salt and Fresh Water) Process and Procedure.	202121047523	2021
115	Dr. Sachin Goyal	ASW Data Lake Managed Using Machine Learning.	202141041565	2021
116	Mr. Inder Kumar	Automated Smoking Zone Monitoring & Direct Voice Alerting to User.	202131040003	2021
117	Dr. Parikshit Sharma	Rain Sensing Device (Voice Alert to the House Wife)	202131041561	2021
118	Ms. Priyanka Rana	Rating Prediction for Amazon: Amazon Offers Product Recommendations Based on Customer Activity Using Deep and Machine Learning Programming.	202111039465	2021
119	Prof. (Dr.) Biplab Kumar Sarkar	Biometric I-Card: Fingerprint Based I-Card	201821008727	2019
120	Prof. (Dr.) Biplab Sarkar	DPS -Printer: Duel Printer System to Reuse Waste Paper and Printed Text Ink.	201721017052	2018