



MANAV RACHNA
vidyapatri bhah

Declared as State Private University vide Haryana Act 26 of 2014

**MANAV RACHNA
UNIVERSITY**

RDC Cell

Published Patent Details

S. No.	Name of Faculty	Deptt.	Patent Title	Name of All Inventors	Application Number	Date of Published
1	Meenakshi Gupta & Meena Chaudhary	ECE	Meenakshi Gupta, Meena Chaudhary, Manav Krishan Mehta & Paras Sharma	Autonomous Multi-Class Fire Response And Rescue Device	202511063219	18.07.2025
2	Priyanka Bansal & Piyush Charan	ECE	Health Monitoring System	Priyanka Bansal, Piyush Charan, Lovanya, Shaina Das & Radha	202511063220	18.07.2025
3	Meenakshi Gupta & Niharika Thakur	ECE	Meenakshi Gupta, Ujjawal Arora, Bhumiika Khatri, Nitin Kumar & Niharika Thakur	Safety Integrated Toddler Mobility Assistive Device	202511063221	18.07.2025
4	Shruti Vashist, Niharika Thakur & Meenakshi Gupta	ECE	Shruti Vashist, Niharika Thakur & Meenakshi Gupta	Weather Responsive Vehicle Protection Device	202511063222	18.07.2025
5	Nitu Chauhan	ECE	Studying Assistive System	Nitu Chauhan, Sana Ghosh Chowdhury & Samriddhi Kapoor	202511060397	11.07.2025
6	Dipali Bansal, Priyanka Bansal & Piyush Charan	ECE	Day-To-Day Assistive Device For Impaired Individuals	Dipali Bansal, Tanishq, Priyanka Bansal & Piyush Charan	202511060396	11.07.2025
7	Deepa Arora & Bhawna Singla	Sciences-Mathematics	Orthopedic Ankle Rehabilitation Device	Deepa Arora & Bhawna Singla	202511059448	04.07.2025
8	Mrinal Pandey, Mamta Arora & Ram Chatterjee	CST	Child Safety and Supervision Device	Kukka Bharat, Ayush, Mrinal Pandey, Mamta Arora & Ram Chatterjee	202511059449	04.07.2025



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9	Prashant Bhardwaj, Smriti Mishra, Jai Prakash Sharma, Piyush Mahendru & Pradeep Kumar Mouria	Mechanical	Automated Utensil Handling and Cooking Assistance System	Prashant Bhardwaj, Smriti Mishra, Jai Prakash Sharma, Piyush Mahendru & Pradeep Kumar Mouria	202511057802	04.07.2025
10	Jyotsna Pandit	Sciences-Chemistry	System for Controlled Fruit Ripening	Jyotsna Pandit	202511057803	04.07.2025
11	Piyush Mahendru & Prashant Bhardwaj	Mechanical	Fruit Storage and Preparation System	Piyush Mahendru, Prashant Bhardwaj and Kirti Khanna	202511057804	04.07.2025
12	Deepa Arora & Ankita Gaur	Sciences-Mathematics	Restroom Safety and Sanitisation System	Deepa Arora & Ankita Gaur	202511050260	13.06.2025
13	Deepa Arora & Niharika Thakur	Sciences Mathematics/ ECE	Multi-Material Engraving and Printing Device	Deepa Arora & Niharika Thakur	202511050261	13.06.2025
14	Ankita Gaur & Deepa Arora	Sciences-Mathematics	Scribing Assistive System	Ankita Gaur & Deepa Arora	202511042768	23.05.2025
15	Ankita Gaur & Deepa Arora	Sciences-Mathematics	Feeding Assistive Device For Users With Limited Mobility	Ankita Gaur & Deepa Arora	202511042309	23.05.2025
16	Mamta Arora & Mrinal Pandey	CST	Driver Alert and Safety System for Vehicles	Mrinal Pandey, Mamta Arora, Gaurvi Khatri & Shashank Singh	202511041826	16.05.2025
17	Mamta Arora & Mrinal Pandey	CST	Integrated Advertisement Blocking Eye Wearable Device	Yash Pandey, Mamta Arora & Mrinal Pandey	202511041827	16.05.2025
18	Priyanka Bansal	ECE	1OT Sram Memory Circuit	Priyanka Bansal, Atharv Sharma, Ashish Sachdeva and Vimlesh Singh	202511037398	02.05.2025



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19	Sunil Kumar Roy, Geeta Thakur, Jagbir Singh Kadyan, Maharaja Krishen Koul, Sunil Kadyan, Teena Hasija, Akancha Singh & Shagun Chahal	Management & Commerce / Education & Humanities	AI-Powered Sustainable Human Resource Management Device with Spiritual Well-Being Insights	Sunil Kumar Roy, Geeta Thakur, Jagbir Singh Kadyan, Maharaja Krishen Koul, Sunil Kadyan, Teena Hasija, Akancha Singh & Shagun Chahal	202511032823	25.04.2025
20	Dinesh Kumar Sharma	Sciences-Physics	A Solar Concentrator System for Enhanced Solar Energy Absorption in Algal Solar Distillation for Water Purification	Dinesh Kumar Sharma, Manju Singhal & Bindu Mangla	202511032543	25.04.2025
21	Yogita Sharma	Management & Commerce	AI-Based Predictive Analytics System for Business Strategy Management	Gauri Dwivedi, Yogita Sharma & Anshita Tyagi, Priyanka & Krishan Tuli	202511028220	11.04.2025
22	Sunil Kumar Roy, Sunil Kadyan, Parul Jhaharia, Akanchha Singh & Teena Hasija	Management & Commerce	AI-Driven IOT Employee Recognition System with Real-Time Acknowledgement & Interactive Display	Sunil Kumar Roy, Sunil Kadyan, Parul Jhaharia, Akanchha Singh & Teena Hasija	202511024304	04.04.2025
23	Dinesh Kumar Sharma	Sciences-Physics	A Solar Distillation System with Biochar Nanocomposite and Optical Filter for Enhanced Water Purification	Dinesh Kumar Sharma	202511023851	04.04.2025
24	Sunil Kumar Roy, Minakshi Sharma, Gurpreet Kaur, Ankita Gaur, Akanchha Singh & Sunil Kadyan	Management & Commerce / Sciences-Mathematics	AI-Powered Personal Finance Assistant for Real Time Budgeting, Investment and Saving Management	Sunil Kumar Roy, Priyanka Kumari, Minakshi Sharma, Gurpreet Kaur, Ankita Gaur, Akanchha Singh & Sunil Kadyan	202511019822	21.03.2025



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25	Dinesh Kumar Sharma, Ananna Bardhan & Vinayak V. Pathak	Sciences-Physics	A Solar Desalination System Utilizing Activated Carbon Nanoparticles Synthesized from Bio-Waste For	Dinesh Kumar Sharma, Ananna Bardhan, Vinayak Vandan Pathak & Bindu Mangla	202511004842	28.02.2025
26	Yogita Sharma	Management & Commerce	A Method for Promoting Environmental Sustainability through Social Entrepreneurship	Yogita Sharma, Mona Sharma, Shagun Chahal, Amit Dangi, Kanchan Yadav & Tabassum Ahmed	202511009111	21.02.2025
27	Sunil Kumar Roy, Sunil Kadyan & Minakshi Sharma	Management & Commerce	Portable AI-Driven Device for Personalized Cancer Diagnosis and Treatment Planning	Sunil Kumar Roy, Mohit Kumar Roy, Vyas M Shingatgeri, Sunil Kadyan, Shatakshi, Priyanka Singh & Minakshi Sharma	202511005499	14.02.2025
28	Deepa Arora & Niharika Thakur	Sciences-Mathematics & ECE	Wearable Stress Monitoring And Alleviating Device	Deepa Arora & Niharika Thakur	202511008018	14.02.2025
29	Charu Pathak, Shruti Vashist and Manpreet Kaur	ECE/CST	Automated Waste Detection and Collection Device for Roadside Cleanliness	Shivam Gupta, Krishna Yadav, Charu Pathak, Shruti Vashist and Manpreet Kaur	202511004536	31.01.2025
30	Deepti Thakral	CST	IOT Sensor Framework for Health Monitoring and Personalized Analytics	Gaurav Dubey, Kamlesh Sharma, Deepti Thakral, Pinki Sagar, Neha Batra, Ajay Dixit, Saurabh	202411102850	03.01.2025
31	Anshuman Sahai, Piyush Charan, Ananna Bardhan, Deepti Maikhuri & Varun Yadav	Sciences-Physics & ECE	Fish Rearing Assistive Device	Anshuman Sahai, Somya Asthana, Piyush Charan, Ananna Bardhan, Deepti Maikhuri & Varun Yadav	202411099716	03.01.2025



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32	Sunil Prem Kishor Roy	Management & Commerce	Centralized Customer Relationship Management System Using Deep Learning for Global Operations	Sunil Prem Kishor Roy	202411047657	27.12.2024
33	Dinesh Kumar Sharma, Ananna Bardhan & Vinayak V. Pathak	Sciences-Physics	Lipid Enhancement in Algal Biomass using Monochromatic Optical Filters	Dinesh Kumar Sharma, Ananna Bardhan, Vinayak V. Pathak, Pooja Sharma, Bindu Mangla & Narendra Singh	202411090234	06.12.2024
34	Mrinal Pandey & Mamta Arora	CST	Restroom Locating System for Stress-Free Journeys	Mrinal Pandey, Mamta Arora, Poonam Biswas & Kanan Arora	202411082839	15.11.2024
35	Meenakshi Gupta	ECE	Gesture and Voice-Controlled System for Safer Driving	Meenakshi Gupta, Ujjawal Arora, Harshil Aron	202411082840	15.11.2024
36	Deepa Arora & Niharika Thakur	Sciences-Mathematics & ECE	Cooking Assistive Device	Deepa Arora & Niharika Thakur	202411080034	01.11.2024
37	Mamta Arora & Mrinal Pandey	CST	Resume Analysis Device	Mamta Arora, Mrinal Pandey, Pratham Bhatia, Jayant Bhayana & Abhay Kumar Sen	202411080035	01.11.2024
38	Nitika	ECE	Adaptable Gesture Controlled Laptop Operating Device	Nitika, Mark Emmanuel, Chirag Khandelwal & Ankit Bharadwaj	202411078396	25.10.2024
39	Shruti Vashist, Meenakshi Gupta, Niharika Thakur & Nitika	ECE	Pet Feeding Device	Shruti Vashist, Meenakshi Gupta, Niharika Thakur & Nitika	202411076327	18.10.2024
40	Mamta Arora & Mrinal Pandey	CST	Assessment System for Video-Based Educational Content	Mamta Arora, Mrinal Pandey & Tuhin Tarafder	202411076334	18.10.2024



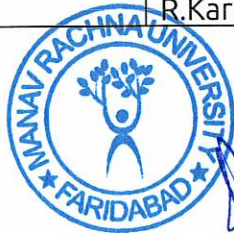
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41	Mamta Arora & Mrinal Pandey	CST	Placement Session Management System for Educational Institute	Mamta Arora, Mrinal Pandey, Ramya Gayatri Kovvali & Yagh Yadav	202411075324	18.10.2024
42	Meenakshi Gupta & Niharika Thakur	ECE	Drunk Driving Prevention System	Apurav Swami, Manya, Meenakshi Gupta & Niharika Thakur	202411075325	18.10.2024
43	Shuchi Singhal, Sunil Kumar Roy, Yogita Sharma, Jagbir Singh Kadyan & Sunil Kadyan	Management & Commerce	Automated Leadership Development Platform with Personalized Learning and Coaching Modules	Shuchi Singhal, Sunil Kumar Roy, Yogita Sharma, Savita, Jagbir Singh Kadyan, Sunil Kadyan & Narinder Kumar Bhasin	202411072982	11.10.2024
44	Shuchi Singhal, Geeta Thakur, Akanchha Singh & Sunil Kadyan	Management & Commerce	Real-Time Feedback Device to Enhance Employee Engagement with Instant Tracking and Alerts	Shuchi Singhal, Geeta Thakur, Akanchha Singh, Sunil Kadyan, Manish Sharma, Narinder Kumar Bhasin & Shikha	202411071759	11.10.2024
45	Minakshi Sharma, Shuchi Singhal, Yogita Sharma, Shagun Chahal, Pragati Chauhan & Mona Sharma	Management & Commerce	Automated Customer Relationship Management (CRM) System with Sentiment Analysis	Minakshi Sharma, Shuchi Singhal, Manish Sharma, Yogita Sharma, Shagun Chahal, Pragati Chauhan & Mona Sharma	202411069692	04.10.2024
46	Mamta Arora & Mrinal Pandey	CST	Interactive Student Support System for Classroom	Mamta Arora, Mrinal Pandey & Varun Kumar Gera	202411069169	04.10.2024
47	Varun Yadav	ECE	Rain Protection Walking Support Device	Varun Yadav, Mallika, Nikita Saini & Tamanna Sharma	202411066069	20.09.2024
48	Parul Jhajharia, Maharaj Krishen Koul, Sunil Kumar Roy & Sunil Kadyan	Management & Commerce	Integrated Marketing Management Assistant with Predictive Analytics and Customizable Dashboard	Parul Jhajharia, Akhilesh, Maharaj Krishen Koul, Sunil Kumar Roy, Sunil Kadyan, Shikha & Savita	202411062801	30.08.2024



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49	Mamta Arora & Mrinal Pandey	CST	Automated Weed Uprooting and Disposing Device	Mamta Arora, Mrinal Pandey, Vansh Mandhiratta, Gagan Singh & Raghav Khatura	202411064141	30.08.2024
50	Meenakshi Gupta & Niharika Thakur	ECE	Waste Removal Device for Water Bodies	Meenakshi Gupta, Ujjawal Arora, Raghav Gaur, Nitin Kumar & Niharika Thakur	202411064142	30.08.2024
51	Vijay Kumar Gill, Lokesh Bhardwaj, Bhanu Pratap Chaudhary & K. Deepa	ECE	Tyre Pressure Monitoring and Puncture Detection System	Vijay Kumar Gill, Lokesh Bhardwaj, Bhanu Pratap Chaudhary & K. Deepa	202411064143	30.08.2024
52	Charu Pathak, Joginder Singh & Parneeta Dhaliwal	ECE / Mechanical / CST	IOT-Based Flood Rescue System	Charu Pathak, M. A. Ansari, Joginder Singh & Parneeta Dhaliwal	202411064144	30.08.2024
53	Bhanu Pratap Chaudhary, K. Deepa, Vijay Kumar Gill & Lokesh Bhardwaj	ECE	Animal Deterring Device for Water Tanks	Bhanu Pratap Chaudhary, K. Deepa, Vijay Kumar Gill & Lokesh Bhardwaj	202411064145	30.08.2024
54	Shruti Vashist, Meenakshi Gupta & Niharika Thakur	ECE	Wearable Monkey Repelling Device	Shruti Vashist, Meenakshi Gupta, Niharika Thakur, Ujjawal Arora	202411064146	30.08.2024
55	Varun Yadav	ECE	IOT-Based Fire Detection and Response System for Parking Areas	Varun Yadav, Abhinav. Khushi Singh. Ayush Pandey	202411064147	30.08.2024
56	Sunil Prem Kishor Roy	Management & Commerce	AI Enhanced Educational Game for Teaching Financial and HR Management to Students	Prashanti Sandepogu, Sunil Kumar Roy, Parminder Kaur, Mamta Hegde, Gomathy P, Kanchan Bhatia, Avinash Manohar Kharat & R.Karthick	202441044828	21.06.2024



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57	Sunil Prem Kishor Roy	Management & Commerce	Cloud-Based Learning Model Management System for Enterprise Applications	Sunil Prem Kishor Roy, Manish Sharma, Sunil Kadyan, Srishti Bathla, Riman Mandal, S. Janagiraman & P. Shantha Kumar	202411042688	14.06.2024
58	Sunil Prem Kishor Roy	Management & Commerce	AI controlled Z-Source Inverter Technology with Solar Panels for Enhanced Refrigeration Efficiency	Vinay Kumar Siroliya, B.Amarnath Naidu, Sunil Prem Kishor Roy, Prakash Kumar Dewangan, T.Arulkumar, Shubham Dewangan & Gowri Vidhya	202431040287	31.05.2024
59	Pradeep K. Varshney & Harsha Devnani	Chemistry	A Method for Mitigating Corrosion Properties of Electrodes in Secondary Energy Storage Batteries	Pradeep K. Varshney, Harsha Devnani, Sandeep Srivastava, Deepti Ahuja & Priya Garg	202211060626	26.04.2024
60	Ajit & Gianender Kajal	Mechanical	A Smart Mechanical-Electronic Interface for Real-Time Monitoring and Control in Manufacturing Processes	Ajit, Himanshu Garg, Gianender Kajal, Amit Garg & Pratibha Malik	202411016259	05.04.2024
61	Priyanka Gupta, Hardeo Kumar Thakur & Pradeep K. Varshney	CST/Chemistry	AI Based Vehicle Theft Prevention System	Drishti Uppal, Anish, Shivam Minz, Priyanka Gupta, Hardeo Kumar Thakur & Pradeep K. Varshney	202211051354	15.03.2024
62	Abhishek Saxena	CST	Intelligent Pesticide Application System for Sustainable Agriculture using Machine Learning	Sandeep Gupta, Arpita Mittal, E.S. Vinothkumar, Akansha Rajput, Sudha Bishnoi, Abhishek Saxena, Dilip Kumar, Kapil Kumar, R.Karthick	202411012993	01.03.2024



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63	Mrinal Pandey & Mamta Arora	CST	A Medical Insurance Claim Settlement Using Blockchain Technology	Mrinal Pandey, Mamta Arora & Shraddha Arora	202411005445	09.02.2024
64	Kaveri Sharma & Shaharyar Asaf Khan	Law	A Novel Method for Real-Time Autonomous Vehicle Traffic Management	Inderpreet Kaur, Kaveri Sharma, Shaharyar Asaf Khan, Jyoti Verma, Shubham Kumar Sajjan & Pronika	202411006416	09.02.2024
65	Mrinal Pandey & Mamta Arora	CST	IOT Based Assistive Wearable Low Vision Enhancement Device for Blindness and Vision Impairment	Mrinal Pandey, Mamta Arora, Monika Goyal, Narinder Kaur Seera & Charu Jain	202411001594	02.02.2024
66	Dinesh Kumar Sharma	Sciences	Erosion Protection System for Solar PV Panels	Dinesh Kumar Sharma	202311072581	24.11.2023
67	Nitika	ECE	Verification of Dynamic Signature Using AI	Richa Malhotra, Shimpy Goyal, Nitika, Varsha Gupta, Shivani Duggal, Gagandeep Kaur & Neetu Settia	202311065878	20.10.2023
68	Dinesh Kumar Sharma	Physics	A Lightning Protection System for Rooftop Solar PV Panels	Dinesh Kumar Sharma	202311060466	06.10.2023
69	Piyush Charan	ECE	Wave and Hydrostatic Pressure Energy Generation System with Iot Monitoring for Obtaining Clean Electricity	Piyush Charan, Pramod Kinker, Tarannum Vahid Attar, Umesh Kumar Singh, Priyanka Sharma, Vaijanath Shintre, Dattatray G. Takale, A.M. Vibhute & Prateek Nigam	202311052405	01.09.2023
70	Dinesh Kumar Sharma	Sciences-Physics	An Enhanced Multi-Beam Interference Utilizing Modified Lens System	Dinesh Kumar Sharma	202311047089	11.08.2023



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71	Charu Pathak, Piyush Charan & Joginder Singh	ECE/Mechanical	IoT Driven Sensor Network Alert System for Detection of Hydrogen Gas Leakage in Distribution Pipelines	Charu Pathak, Piyush Charan & Joginder Singh	202311039870	07.07.2023
72	Pradeep K. Varshney & Meena Kapahi	Sciences-Chemistry	The Composition for Increasing Flame Longevity and Reducing Camphor Volatility	Pradeep K. Varshney, Meena Kapahi, Abhishek Basoya, Mukul Raghav & Chandvi Sharma	202111061475	30.06.2023
73	Meena Kapahi & Roopa Rani	Sciences-Chemistry	TEATEST	Meena Kapahi, Roopa Rani & Kashish Kohli	202111061579	30.06.2023
74	Yogita Khanna, Pradeep K. Varshney & J.P. Sharma	ECE Chemistry Mechanical	Lead-Acid Battery Cell Re-configurable Arrangement for Enhanced Battery Life	Yogita Khanna, Pradeep K. Varshney, Y.K Awasthi, J.P. Sharma, Rudra Pratap & Aryan	202111061504	30.06.2023
75	Charu Pathak & Shruti Vashist	ECE	Refrigeration Automation System	Charu Pathak & Shruti Vashist	202111061566	30.06.2023
76	Priyanka Chadha	Management & Commerce	Safety Wrist Band	Priyanka Chadha, Gurbir Singh Khera, Heena Arora, Swati Shrivastava, Ankit Raj Singh, Daisy Raj, Laxmi, Rajat Gera & Venkatesh Bharti	361993-001	23.06.2023
77	Piyush Charan	ECE	Analysis and Management of Overload Protection of EV Batteries for Bringing Forth Environment Friendly	Anthathi Sreenivasulu, M Pala Prasad Reddy, Piyush Charan, Prof Jyoti Prasad Patra, Manasi Vyankatesh Ghamande, M Rambabu Roshan Kisan Bonde, P. Arul Kumar, Rashi Goswami, Anand Goswami & Maaz Allah Khan	202341036797	16.06.2023



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78	Piyush Charan	ECE	Implementation of Artificial Intelligence Techniques through Machine Learning Algorithms for Cybercrime Detection	Neerav Nishant, Amit Shukla, Ojeshwar Pawan Sharma, Sinduja K, Vijayakumar E, R Vani, Abhishek Kajal, Piyush Charan, Adv. Isha Kajal, Amit Chauhan, Deepak Bansal, Masan Senthilkumar & Zohaib Hasan Khan	202311020458	19.05.2023
79	Anup Kushwaha	CST	Blind People's Intelligent System Based on IoT, AI, Machine Learning and Cloud Computing	Mahboob Alam, Pradeep Kumar, Tapas Kumar, Kaushal Kumar & Anup Kushwaha	202311022454	19.05.2023
80	Maharaj Krishen Koul	Management & Commerce	Effective Transformation Technique and Solution with Principles of Supply Chain to Mitigate Carbon Emission	Jaideep Sharma, Chand Rashid, Ashish Kumar Singh, Ravi Kant Sharma, Reji John, Subrato Ganguly & Maharaj Krishen Koul	202311021917	19.05.2023
81	Ankita Gaur	Sciences-Mathematics	The Impact of using Automation is Transforming the Supply Chain Industry	Nita H Shah, Neelam Sharma, Praveen B.M, Ankita Gaur, Seema Agarwal & Ajay Singh Yadav	202321026411	12.05.2023
82	Piyush Charan	ECE	Machine Learning and Wireless Sensor Networks Based Approaches for Analysis Environment Pollution on Smart Cities	Jaidev Kumar, Syed Rehan, Piyush Charan, Vishal Kumar Vaidya, Jadhav Sudam Shivajirao, Aman Ahlawat, Charanjeet Singh, Nishant Anantrao Upadhye, Amol D Sonawane & Amit Chauhan	202311016337	12.05.2023



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83	Yojna Arora	CST	Neural Network for Facial Detection using Deep Learning	Khushboo Tripathi, Yojna Arora, Swetta Kukreja, Anand Kumar Mishra, Amit Kumar Tyagi & Niladhuri Sreenath	202311025684	04.04.2023
84	Nitika	ECE	Driver Less Vehicle Controlled By Using Voice	Shimpy Goyal, Richa Malhotra, Gagandeep Kaur, Nitika, Neetu Settia, Shivani Duggal & Varsha Gupta	202311013974	17.03.2023
85	Sanjay Singh, Urmila Pania, Manoj Kumar, Anupriya Sharma & Narender Gautam	CST	Design System of NLP as Spelling Correction for Offline Handwritten Text Recognition Using Machine Learning	Sanjay Singh, Urmila Pania, Manoj Kumar, Anupriya Sharma & Narender Gautam	202341005220	24.02.2023
86	Mamta Arora	CST	Blockchain-Based Finance Tracking System and Method Thereof	Nidhi Tandon, Tapas Kumar & Mamta Arora	202311008208	17.02.2023
87	Manoj Kumar, Urmila Pania & Sanjay Singh	CST	Fractional-Order Polar Harmonic Transforms with Funk Singular Value Decomposition for Secure Image Watermarking Technique	Rohit Tanwar, Neha Nandal, Shailee Lohmor Choudhary, Manoj Kumar, Urmila Pania & Sanjay Singh	202341007288	10.02.2023
88	Ruchi Gupta	Sciences-Mathematics	A Kind of Multi-Dimensional Data Analytical System Based on Business Object	Ram Naresh Saraswat, Vinod Gill, Ruchi Gupta, Kirti & Mukesh Kumar Sahu	202311003702	27.01.2023
89	K. Deepa & Manpreet Kaur	ECE/CST	Internet of Things (IOT) Based intravenous (IV) Fluid Monitoring and Alerting System and Method	Pratima Manhas, Monika Garg, K. Deepa & Manpreet Kaur	202311000806	13.01.2023



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90	Vijay Kumar Gill & Chandni Maggo	ECE/CST	Multifunctional Power Bank	Anisha, Arko Bagchi, Vijay Kumar Gill & Chandni Maggo	202311000807	13.01.2023
91	Shruti Vashist & Sachin Lakra	ECE/CST	Image Forgery Detection System and Method Thereof	Kritika Taneja, Tanvi Gupta, Shruti Vashist & Sachin Lakra	202311000808	13.01.2023
92	Jyoti Pruthi & Gianender Kajal	CST/Mechanical	Anti-Theft System for Vehicle and Method Thereof	Vinay, Simple Sharma, Jyoti Pruthi & Gianender Kajal	202311000809	13.01.2023
93	Yogita Gupta & Priti Gupta	ECE/Sciences-Chemistry	Voice-Based Water Dispensing System and Method Thereof	Prerna Kakkar, Rajeev Kumar, Yogita Gupta & Priti Gupta	202311000810	13.01.2023
94	Anshuman Sahai & Deepti Maikhuri	Sciences-Physics	Smart Disinfection Device and Method	Sarvesh Kumar, Pardeep Kumar, Anshuman Sahai & Deepti Maikhuri	202311000811	13.01.2023
95	Prinima Gupta & Susmita Ray	CST	Smart Identification and Transaction System and Method	Deepa Bura, Ramesh Chandra Sahoo, Prinima Gupta & Susmita Ray	202311000812	13.01.2023
96	R. Girija	CST	Radio Frequency Identification (RFID) Based Travel Ticket Booking System and Method Thereof	Ashish Grover, Amrinder Kaur, R. Girija & Charu Jain	202311000813	13.01.2023
97	Shruti Vashist	ECE	IOT Based Traffic Monitoring Device	Shruti Vashist, Geeta Nijhawan, Parul Gandhi, Rajender, Savita Sindhu, Raj Kumar & Ritu	202311000200	06.01.2023
98	Shruti Vashist & Lokesh Bhardwaj	ECE	Automated System for Governing Traffic Lights	Geeta Nijhawan, Ashish Grover, Shruti Vashist & Lokesh Bhardwaj	202211075717	06.01.2023
99	Niharika Thakur & Yogita Gupta	ECE	Obstacle Detection System and Method	Amrinder Kaur, Amit Atri, Niharika Thakur & Yogita Gupta	202211075718	06.01.2023



S. No.	Name of Faculty	Deptt.	Patent Title	Name of All Inventors	Application Number	Date of Published
100	Meena Kapahi & Priti Gupta	Sciences-Chemistry	Plant Soil Moisture Monitoring System and Method Thereof	Abhilasha Shourie, Vimlesh Singh, Meena Kapahi & Priti Gupta	202211075723	06.01.2023
101	K. Deepa & Vijay Kumar Gill	ECE	Intrusion Detection System and Method	Sushant, Richa Adlakha, K. Deepa & Vijay Kumar Gill	202211075714	06.01.2023
102	Piyush Mahendru & J.P. Sharma	Mechanical	System and Method for Monitoring Health and Fuel Usage of Vehicles	Devendra Vashist, Gurpreet Singh, Piyush Mahendru & J. P. Sharma	202211075722	06.01.2023
103	Shruti Vashist & Charu Pathak	ECE	Energy Monitoring System and Method	Anita Khosla, Dinesh Chawla, Shruti Vashist & Charu Pathak	202211075715	06.01.2023
104	K. Deepa	ECE	Smart Shopping Cart and Method of Enabling Shoppers to Self-Checkout by Using the Same	Poonam Tanwar & K. Deepa	202211075721	06.01.2023
105	Meena Kapahi	Sciences-Chemistry	Wastewater Treatment System and Method	Sadiqa Abbas, Shagufta Jabin & Meena Kapahi	202211075724	06.01.2023
106	Prashant Bhardwaj & Joginder Singh	Mechanical	Pruning Apparatus and Method of Manufacturing the Same	Basanta Kumar Bhuyan, Rajender Kumar, Prashant Bhardwaj & Joginder Singh	202211075716	06.01.2023
107	Niharika Thakur & Bhanu P. Choudhry	ECE	Home Automation System and Method	Savita Sindhu, Shefali Singhal, Niharika Thakur & Bhanu P. Choudhry	202211075725	06.01.2023
108	Gianender & Ajit Katiyar	Mechanical	Water Heater Bottle	Nitin kumar Waghmare, Seema Mahto, Gianender & Ajit Katiyar	202211075719	06.01.2023
109	Roopa Rani	Sciences-Chemistry	Water Health Monitoring System and Method Thereof	Sushant, Anupama Rajput & Roopa Rani	202211075726	06.01.2023



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110	Jyoti Pruthi & Susmita Ray	CST	First Information Report Lodge and Assistance System and Method Thereof	Krishan Kumar, Neha Gadhok, Jyoti Pruthi & Susmita Ray	202211076379	06.01.2023
111	J. P. Sharma & Bhanu P. Choudhry	Mechanical/ECE	System and Method for Detecting an Open Window Glass of A Vehicle	Gurpreet Singh, Devendra Vashist, J. P. Sharma & Bhanu P. Choudhry	202211076376	06.01.2023
112	Nitika Munjal & Meenakshi Gupta	CST/ECE	System and Method for Generating Alerts Against Infectious Diseases	Jyoti Verma, Kanchan Bhardwaj, Nitika Munjal & Meenakshi Gupta	202211076380	06.01.2023
113	Manpreet Kaur & Chandni Maggo	CST	Security System for Bank Lockers and Method Thereof	Rachna Behl, Shobha Tyagi, Manpreet Kaur & Chandni Maggo	202211076374	06.01.2023
114	Parneeta Dhaliwal & Hanu Bhardwaj	CST	Smart Stand for Mobile Phones	Pronika, Geeta Nijhawan, Parneeta Dhaliwal & Hanu Bhardwaj	202211076378	06.01.2023
115	Ananna Bardhan & D.K. Sharma	Sciences-Physics	System and Method for Monitoring Air Quality	Yaman Hooda, Vishnu Raj, Ananna Bardhan & D.K. Sharma	202211076381	06.01.2023
116	R. Girija	CST	Intelligent and Portable Rain Water Harvesting Kit for Smart Gardens Based on Biconvlstm	Hukam Singh, R. Girija, Varun Kumar Gera, S.L. Jayalakshmi & S.L. Jothi Lakshmi	202211073374	30.12.2022
117	Shruti Vashist & Yogita Khanna	ECE	Automatic Wiping System and Method Thereof	Meeta Singh, Gurpreet Singh, Shruti Vashist & Yogita Khanna	202211069264	30.12.2022



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118	Sachin Lakra & Manpreet Kaur	CST	Electronic Voting System and Method Thereof	Abhiruchi Passi, Pratima Manhas, Sachin Lakra & Manpreet Kaur	202211069265	30.12.2022
119	Niharika Thakur & Yogita Khanna	ECE	Automatic Wheelchair for Paralyzed Patients and Method of Controlling the Same	Manoj Nayak, Nitesh Malhotra, Niharika Thakur & Yogita Khanna	202211069266	30.12.2022
120	Vijay Gill & Lokesh Bhardwaj	ECE	Ticket Booking System Using Radio Frequency Identification (Rfid) and Method Thereof	Parul Gandhi, Vimlesh Singh, Vijay Gill & Lokesh Bhardwaj	202211069261	30.12.2022
121	Meenakshi Gupta & Bhanu Choudhary	ECE	Ultrasonic Blind Walking Stick	Charu Virmani, Irshad Ahmad, Meenakshi Gupta & Bhanu Choudhary	202211069263	30.12.2022
122	Agha Imran Hussain & Manoj Kumar	CST	Cancer Prediction System using Data Mining Techniques and Method Thereof	Tapas Kumar, Kanchan Bhardwaj, Agha Imran Hussain & Manoj Kumar	202211069262	30.12.2022
123	Joginder Singh & Ajit Katiyar	Mechanical	System and Method for Performing Multi-Agricultural Activities	Dain Thomas, Vimlesh Singh, Joginder Singh & Ajit Katiyar	202211072396	30.12.2022
124	Ajit Katiyar	Mechanical	Solar Power Generation System and Method Thereof	Dinesh Chawla, Ashish Grover, Ajit Katiyar & Jai Prakash Singh	202211072397	30.12.2022
125	Jyoti Pruthi & Manpreet Kaur	CST	Sound Enabled Polling Machine for Visually Challenged Voters and Method Thereof	Abhiruchi Passi, Manoj Nayak, Jyoti Pruthi & Manpreet Kaur	202211072393	30.12.2022



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126	Hanu Bhardwaj & Susmita Ray	CST	Biometric Attendance System and Method Thereof	Shobha Tyagi, Vimlesh Singh, Hanu Bhardwaj & Susmita Ray	202211072398	30.12.2022
127	Chandni Magoo & Susmita Ray	CST	System and Method for Detecting Brain Related Diseases	Rashmi Rameshwari, Manisha Vashisht, Chandni Magoo & Susmita Ray	202211072394	30.12.2022
128	Jai Prakash Singh & Joginder Singh	Mechanical	Solar Energy Powered Grass Cutting Machine and Method of Operating the Same	Manoj Nayak, Ashish Grover, Jai Prakash Singh & Joginder Singh	202211072395	30.12.2022
129	Yogita Gupta & Nitika Munjal	ECE/CST	Smart Mosquito Repellant Device	Abhiruchi Passi, Pratima Manhas, Yogita Gupta & Nitika Munjal	202211075713	30.12.2022
130	Yogita Gupta & Lokesh Bhardwaj	ECE	Internet of Things Based Refrigerator Door Monitoring System and Method Thereof	Pankaj Shakkarwal, Neha Chaudhary, Yogita Gupta & Lokesh Bhardwaj	202211075720	30.12.2022
131	Meena Kapahi & B.M. Bahl	Sciences-Chemistry	Horizontal Aerobic & Biodegradable Composting	Meena Kapahi & B.M. Bahl	317375-001	23.12.2022
132	Yogita Sharma & Khushboo Gulati	Management & Commerce	Classroom Participation Detection Device	Shweta Mongia, Vikas Chaudhary, Yogita Sharma, Khushboo Gulati, Ashima Saxena, Adarsh Pratap Singh, Anshul, Meenakshi Gujral & Rajat Gera	202211071433	23.12.2022
133	Hanu Bhardwaj & Prinima Gupta	CST	System and Method for Product Identification for Visually Impaired Users	Tapas Kumar, Poonam Tanwar, Hanu Bhardwaj & Prinima Gupta	202211068867	02.12.2022



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134	Chandni Maggo & Sachin Lakra	CST	Orange Fruit Recognition System Using Image Segmentation and Method Thereof	Neha Gupta, Indu Kashyap, Chandni Maggo & Sachin Lakra	202211068868	02.12.2022
135	Manpreet Kaur & Susmita Ray	CST	System and Method for Early Detection of Brain Tumor in Humans	Sabiha Imran, Sachin Sharma, Manpreet Kaur & Susmita Ray	202211068869	02.12.2022
136	Prinima Gupta & Manoj Kumar	CST	Blockchain-Based Cloud File-Sharing System and Method Thereof	Charu Virmani, Shobha Tyagi, Prinima Gupta & Manoj Kumar	202211068870	02.12.2022
137	Manoj Kumar & Agha Ram Hussain	CST	Position Based Attendance System and Method Thereof	Rosy Madan, Srishty Jindal, Manoj Kumar & Agha Ram Hussain	202211068871	02.12.2022
138	Susmita Ray & Chandni Maggo	CST	Medical Assistance System and Method of Generating Reminders Using the Same	Savita, Nitasha Soni, Susmita Ray & Chandni Maggo	202211068865	02.12.2022
139	Jyoti Pruthi & Prinima Gupta	CST	Display Board and Method of Displaying Notices on the Display Board	Arko Bagchi, Tanu Dua, Jyoti Pruthi & Prinima Gupta	202211068866	02.12.2022
140	Ankita Gaur	Sciences-Mathematics	Blockchain Model Using Performance Analysis for Supply Chain Management in Enhancing for Sustainable	Ajay Singh Yadav, Nitin Kumar, Richa Agarwal, Ankita Gaur, Swati Bhatt, Pravesh, Anupam Swami, Navin Ahlawat, Ritvik Sharma & Unnati Sadh	202211062371	04.11.2022
141	Sanjay Singh, Urmila Pilania & Manoj Kumar	CST	Design System of IoT Stress Level Identification in EEG Signal Using AI for Smart Healthcare	Satya Prakash Awasthi, Sanjay Singh, Urmila Pilania & Manoj Kumar	202241054051	30.09.2022



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142	Sanjay Singh	CST	System and Design of Wind-Induced Pressure Prediction on Tall Buildings Using Machine Learning	Satya Prakash Awasthi, Damodharan Palaniappan & Sanjay Singh	202241049211	09.09.2022
143	Ankita Gaur	Sciences-Mathematics	Big Data and Machine Learning Based Approach for Wireless Network Resource Management	Senthil Kumar Kathiresan, Sri Hari Nallamala, Amit Singla, Vijendra Singh, Ankita Gaur & Ajay Singh Yadav	202241047440	26.08.2022
144	Kalpana Shukla	Sciences-Mathematics	A Smart System for Monitoring Charging of Electric Vehicle Battery using Smart Portable Charger	Priyanka Yadav, Anil Kumar Sharma, Kalpana Shukla, Tej Raj, Prashant Kumar & Satyendra Singh	202211025204	06.05.2022
145	R.Girija	CST	IoT Driven Sensor Fusion with Deep Learning for the Detection of Dangerous Driver Behavior	M.Thirunavukkarasan, Rajasekaran Saminathan, Mohammed Tharwan, Pragya Tewari, Mohamed Mallick, Swadesh Kumar Maurya, A.S. Mohammed Shariff, R.Girija, Rajakumar.P & C.Bagath Basha	202241019015	08.04.2022
146	Ruchi Gupta	Sciences-Mathematics	A System for Breast Cancer Image Classification using 2C Algorithm with Multiclass Support Vector Machine Interfaces	Hambeer Singh, Deepankar Sharma, Ruchi Gupta, Raveendra Kumar Bharati, Vasudha Tiwari & Anil Kumar	202211017594	01.04.2022



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147	Priyanka Chadha	Management & Commerce	Health Diagnosing System	Ruchika Yadav, Venkatesh Bharti, Heena Arora, Gurbir Singh Khera, Ashima Saxena, Manmeet Bali Nag, Priyanka Chadha, Rajat Gera & Amitesh Sinha	361299-001	01.04.2022
148	Pradeep Kumar Mouria	Mechanical	Process Parameters of Friction Stir Welding of Dissimilar Aluminum Alloys	Kuldeep Singh, Abhishek Pandey, Amit Kumar Dubey, Smriti Mishra, Pradeep Kumar Mouria & Shailesh Kumar Singh	202211009420	04.03.2022
149	Ruchi Gupta	Sciences-Mathematics	A System for Mathematical Representation of Various Physical Systems using Interactive Graphic User Interface and Method thereof	Anil Kumar, Rashmi Mishra, Adarsh Mangal, Hambeer Singh, Sachin Kumar, Ruchi Gupta, Sajjan Lal & Rupa Rani Sharma	202111057737	17.12.2021
150	Shalu	CST	A System for Monitoring Social Distance and generating alerts Using IoT	Shalu, Neha Batra, Poonam Rani, Shyla, Sumita Lamba, Pinki Sagar, Sweetty, Sahabul Alam, Rama Sharma, Pooja Bhardwaj & Ramesh Chandra Panda	202111046254	29.10.2021
151	M. Thurai Pandian, Sanjay Singh & Ankur Kumar Aggarwal	CST	Design System of PEIS for Handle Large-RFID Network	M. Thurai Pandian, P. Damodharan, Sanjay Singh & Ankur Kumar Aggarwal	202141046045	22.10.2021



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152	Dhruv Rohatgi, Aayushi Aggarwal, Siddharth Srivastava, Palak Gupta & Suresh Kumar	CST (MRIIRS) Patent under both name (MRIIRS & MRU) As applicant's	Automated IOT Based Rapid Medicine Delivery System	Dhruv Rohatgi, Aayushi Aggarwal, Siddharth Srivastava, Palak Gupta & Suresh Kumar	201911040293	03.09.2021
153	Yogita Khanna	ECE	Microwave Sensing Device for Dielectric Characterization of Materials	Yogita Khanna, Y.K Awasthi & Anshuman Gupta	201911031072 A (TEMP/E-1/32827/2019-DEL)	27.08.2021
154	Prateek, Sorabh & Shailesh	CST (MRIIRS) Patent under both name (MRIIRS & MRU) As applicant's	Filter cum Stirrer Mechanism for Stir Casting of Composite	Prateek, Sorabh & Shailesh	201911023212	27.08.2021
155	Sabiha Imran	Biotech (MRIIRS) Patent under both name (MRIIRS & MRU) As applicant's	Isolation and Characterization of Broad Spectrum Bacteriocin Isolated from Bacteria Habituating Polluted Water	Sabiha Imran	201911023213	27.08.2021
156	Gurpreet Singh Matharou & Ritesh Kumar Nagar	Mechanical (MRIIRS) Patent under both name (MRIIRS & MRU) As applicant's	External Handbrake with Mechanical park assist	Gurpreet Singh Matharou & Ritesh Kumar Nagar	201911023214	27.08.2021
157	Shaveta Bhatia & Shiv Shankar Rai	FCA (MRIIRS) Patent under both name (MRIIRS & MRU) As applicant's	Handheld Self Examine Breast Cancer	Shaveta Bhatia & Shiv Shankar Rai	201911033647	27.08.2021
158	Y.K Awasthi & Gaurav Saxena	ECE (MRIIRS) Patent under both name (MRIIRS & MRU) As applicant's	Compact Planar Super-Wideband Equal Power Divider/Combine r for RF & Microwave Applications	Y.K Awasthi & Gaurav Saxena	201911031519	27.08.2021



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159	Priyanka Gupta & Hardeo Kumar Thakur	CST	System and Method for Communal Violence detection using Social Networks Based Community Detection	Priyanka Gupta, Hardeo Kumar Thakur, Binu Dennis & Rajakumar B. R.	202011030354	09.10.2020



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