



RDC Cell

Published Patent Details

S. No.	Name of Faculty	Deptt.	Patent Title	Name of All Inventors	Application Number	Date of Published
1	Dr. Ankita Gaur	Mathematics	The Impact of using Automation is Transforming the Supply Chain Industry	Prof. Dr. Nita H Shah, Dr. Neelam Sharma, Dr. Praveen B.M, Dr. Ankita Gaur, Dr. Seema Agarwal, Dr. Ajay Singh Yadav	202321026411 A	12.05.2023
2	Dr. Mamta Arora	CST	Blockchain-Based Finance Tracking System and Method Thereof	Nidhi Tandon, Tapas Kumar, Mamta Arora	202311008208	17.02.2023
3	Mr. Vijay Kumar Gill Ms. Chandni Maggo	ECE CST	DIY Power Bank with Plasma Lighter	Anisha, Arko Bagchi, Vijay Kumar Gill, Chandni Maggo	202311000807	13.01.2023
4	Dr. Yogita Gupta Dr. Priti Gupta	ECE Chemistry	Voice-Based Water Dispensing System and Method Thereof	Prerna Kakkar, Rajeev Kumar, Yogita Gupta, Priti Gupta	202311000810	13.01.2023
5	Dr. Jyoti Pruthi Mr. Gianender Kajal	CST Mechanical	Anti-Theft System for Vehicle and Method Thereof	Vinay, Simple Sharma, Jyoti Pruthi, Gianender	202311000809	13.01.2023
6	Dr. K. Deepa Dr. 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
7	Dr. Prinima Gupta Dr. Susmita Ray	CST CST	Student College Smart Card	Deepa Bura, Ramesh Chandra Sahoo, Prinima Gupta, Susmita Ray	202311000812	13.01.2023
8	Dr. Anshuman Sahai Dr. Deepti Maikhuri	Physics Physics	Mobile Phone & Cash UV Disinfectant for COVI	Sarvesh Kumar, Pardeep Kumar, Anshuman Sahai, Deepti Maikhuri	202311000811	13.01.2023

9	Dr. Shruti Vashist Dr. Sachin Lakra	ECE CST	Image Forgery Detection System and Method Thereof	Kritika Taneja, Tanvi Gupta, Shruti Vashist, Sachin Lakra	202311000808	13.01.2023
10	Dr. R. Girija Dr. Charu Jain	CST 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
11	Dr. Shruti Vashist Mr. Lokesh Bhardwaj	ECE ECE	Automated System for Governing Traffic Lights	Geeta Nijhawan, Ashish Grover, Shruti Vashist, Lokesh Bhardwaj	202211075717	06.01.2023
12	Dr. Niharika Thakur Dr. Yogita Gupta	ECE ECE	IR Based Obstacle Detection For Load Switching Project	Amrinder Kaur, Amit Atri, Niharika Thakur, Yogita Gupta	202211075718	06.01.2023
13	Dr. Meena Kapahi Dr. Priti Gupta	Chemistry Chemistry	Plant Soil Moisture Monitoring System and Method Thereof	Abhilasha Shourie, Vimlesh Singh, Meena Kapahi, Priti Gupta	202211075723	06.01.2023
14	Dr. K. Deepa Mr. Vijay Kumar Gill	ECE ECE	Smart Burglar Alarm - Complete Patent Application	Sushant, Richa Adlakha, K. Deepa, Vijay Kumar Gill	202211075714	06.01.2023
15	Mr. Piyush Mahendru Mr. J.P. Sharma	Mechanical Mechanical	System for Monitoring a Health and a Fuel Usage of a Vehicle and Method Thereof	Devendra Vashist, Gurpreet Singh, Piyush Mahendru, J. P. Sharma	202211075722	06.01.2023
16	Dr. Shruti Vashist Dr. Charu Pathak	ECE ECE	Energy Monitoring System	Anita Khosla, Dinesh Chawla, Shruti Vashist, Charu Pathak	202211075715	06.01.2023
17	Dr. K. Deepa	ECE	Smart Shopping Cart	Poonam Tanwar, K. Deepa	202211075721	06.01.2023
18	Dr. Meena Kapahi	Chemistry	Sustainable Rotating Biological Contactor (SRBC)	Sadiqa Abbas, Shagufta Jabin, Meena Kapahi	202211075724	06.01.2023
19	Mr. Prashant Bhardwaj Dr. Joginder Singh	Mechanical Mechanical	Distance Pruning	Basanta Kumar Bhuyan, Rajender Kumar, Prashant Bhardwaj, Joginder Singh	202211075716	06.01.2023
20	Dr. Niharika Thakur Mr. Bhanu P. Choudhary	ECE ECE	Home Automation System using MQTT Protocol and ESP32	Savita Sindhu, Shefali Singhal, Niharika Thakur, Bhanu P. Choudhry	202211075725	06.01.2023

21	Mr. Gianender Kajal Mr. AJit Katiyar	Mechanical Mechanical	Water Heater Bottle	Nitin Kumar Waghmare, Seema Mahto, Gianender, Ajit Katiyar	202211075719	06.01.2023
22	Dr. Roopa Rani	Chemistry	Water Health Monitoring System and Method Thereof	Sushant, Anupama Rajput, Roopa Rani	202211075726	06.01.2023
23	Dr. Jyoti Pruthi Dr. Susmita Ray	CST CST	First Information Report (FIR) Lodge and Assistance System and Method Thereof	Krishan Kumar, Neha Gadhok, Jyoti Pruthi, Susmita Ray	202211076379	06.01.2023
24	Mr. J.P. Sharma Mr. Bhanu P. Choudhary	Mechanical ECE	A novel motor vehicle window pane closure detector	Gurpreet Singh, Devendra Vashist, J. P. Sharma, Bhanu P. Choudhry	202211076376	06.01.2023
25	Dr. Nitika Munjal Ms. Meenakshi Gupta	CST CST	System for Generating Alert Against Infectious Diseases and Method Thereof	Jyoti Verma, Kanchan Bhardwaj, Nitika Munjal, Meenakshi Gupta	202211076380	06.01.2023
26	Dr. Manpreet Kaur Ms. Chandni Maggo	CST CST	Intelligent Security System for Bank Lockers	Rachna Behl, Shobha Tyagi, Manpreet Kaur, Chandni Maggo	202211076374	06.01.2023
27	Dr. Parneeta Dhaliwal Dr. Hanu Bhardwaj	CST CST	Video Calling/Recording Smartphone Stand	Pronika, Geeta Nijhawan, Parneeta Dhaliwal, Hanu Bhardwaj	202211076378	06.01.2023
28	Dr. Ananna Bardhan Dr. D.K. Sharma	Physics Physics	Home Air Quality Monitoring System Project	Yaman Hooda, Vishnu Raj, Ananna Bardhan, D.K. Sharma	202211076381	06.01.2023
29	Dr. Shruti Vashist Dr. Yogita Khanna	ECE ECE	Rain Sensing Automatic Car Wiper	Meeta Singh, Gurpreet Singh, Shruti Vashist, Yogita Khanna	202211069264	30.12.2022
30	Dr. Sachin Lakra Dr. Manpreet Kaur	CST CST	Electronic Voting System using Blockchain	Abhiruchi Passi, Pratima Manhas, Sachin Lakra, Manpreet Kaur	202211069265	30.12.2022
31	Dr. Niharika Thakur Dr. Yogita Khanna	ECE ECE	Eye ball Sensor for automatic Wheel Chair for paralyzed patients	Manoj Nayak, Nitesh Malhotra, Niharika Thakur, Yogita Khanna	202211069266	30.12.2022
32	Mr. Vijay Kumar Gill Mr. Lokesh Bhardwaj	ECE ECE	Android Smart Ticketing Using RFID	Parul Gandhi, Vimlesh Singh, Vijay Gill, Lokesh Bhardwaj	202211069261	30.12.2022
33	Dr. Meenakshi Gupta Mr. Bhanu P. Choudhary	ECE ECE	Ultrasonic Blind Walking Stick	Charu Virmani, Irshad Ahmad, Meenakshi Gupta, Bhanu Choudhary	202211069263	30.12.2022

34	Mr. Agha Imran Hussain Mr. Manoj Kumar	CST CST	Cancer Prediction System using Data Mining Techniques and Method Thereof	Tapas Kumar, Kanchan Bhardwaj, Agha Imran Hussain, Manoj Kumar	202211069262	30.12.2022
35	Dr. Joginder Singh Dr. Ajit Katiyar	CST CST	Solar Energy Based Multipurpose Agricultural Robotic Vehicle	Dain Thomas, Vimlesh Singh, Joginder Singh, Ajit Katiyar	202211072396	30.12.2022
36	Dr. Ajit Katiyar Mr. Jai Prakash Singh	Mechanical Mechanical	Solar Panel Power Generation using ESP32	Dinesh Chawla, Ashish Grover, Ajit Katiyar, Jai Prakash Singh	202211072397	30.12.2022
37	Dr. Jyoti Pruthi Dr. Manpreet Kaur	CST CST	Sound Enabled Polling Machine for Visually Challenged Voters and Method Thereof	Abhiruchi Passi, Manoj Nayak, Jyoti Pruthi, Manpreet Kaur	202211072393	30.12.2022
38	Dr. Hanu Bhardwaj Dr. Susmita Ray	CST CST	Biometric Student Attendance System App	Shobha Tyagi, Vimlesh Singh, Hanu Bhardwaj, Susmita Ray	202211072398	30.12.2022
39	Ms. Chandni Maggo Dr. Susmita Ray	CST CST	Brain Tumor and Alzheimer's Detection Flutter App	Rashmi Rameshwari, Manisha Vashisht, Chandni Magoo, Susmita Ray	202211072394	30.12.2022
40	Mr. Jai Prakash Singh Dr. Joginder Singh	Mechanical Mechanical	Smart Solar Grass Cutter With Lawn Coverage	Manoj Nayak, Ashish Grover, Jai Prakash Singh, Joginder Singh	202211072395	30.12.2022
41	Dr. Yogita Gupta Dr. Nikita Munjal	ECE CST	Smart Mosquito Repellent Device	Abhiruchi Passi, Pratima Manhas, Yogita Gupta, Nitika Munjal	202211075713	30.12.2022
42	Dr. Yogita Gupta Mr. Lokesh Bhardwaj	ECE ECE	Remote Assisted Refrigerator Door Monitoring with IoT	Pankaj Shakkarwal, Neha Chaudhary, Yogita Gupta, Lokesh Bhardwaj	202211075720	30.12.2022
43	Dr. R. Girija	CST	Intelligent and Portable Rain Water Harvesting Kit for Smart Gardens Based on Biconvlstm	Prof. (Dr.) Hukam Singh, Dr. R. Girija, Varun Kumar Gera, Dr. S.L. Jayalakshmi, Ms. S.L. Jothi Lakshmi	202211073374 A	30.12.2022
44	Dr. R. Girija	CST	Intelligent and Portable Rain Water Harvesting Kit for Smart Gardens Based on Biconvlstm	Prof. (Dr.) Hukam Singh, Dr. R. Girija, Varun Kumar Gera, Dr. S.L. Jayalakshmi, Ms. S.L. Jothi Lakshmi	202211073374 A	30.12.2022

45	Dr. Meena Kapahi Dr. B.M. Bahal	Chemistry / Physics	Horizontal Aerobic & Biodegradable Composting	Meena Kapahi, B.M. Bahl	317375-001	23.12.2022
46	Dr. Ajit Katiyar Mr. Gianender Kajal	Mechanical	Solar Powered Sea Water Desalination Apparatus	Dr. Ajit, Mr. Gianender Kajal, Ms. Pratibha Malik, Dr. Naveen Sharna	374692-001	27.11.2022
47	Dr. Hanu Bhardwaj Dr. Prinima Gupta	CST CST	System and Method For Product Identification For Visually Impaired Users	Tapas Kumar, Poonam Tanwar, Hanu Bhardwaj, Prinima Gupta	202211068867	02.12.2022
48	Ms. Chandni Magoo Dr. Sachin Lakra	CST CST	Orange Fruit Recognition System using Image Segmentation and Method Thereof	Neha Gupta, Indu Kashyap, Chandni Magoo, Sachin Lakra	202211068868	02.12.2022
49	Dr. Manpreet Kaur Dr. Susmita Ray	CST CST	Brain Tumor Detection Using Image Segmentation	Sabiha Imran, Sachin Sharma, Manpreet Kaur, Susmita Ray	202211068869	02.12.2022
50	Dr. Prinima Gupta Mr. Manoj Kumar	CST CST	Blockchain-Based Cloud File-Sharing System and Method Thereof	Charu Virmani, Shobha Tyagi, Prinima Gupta, Manoj Kumar	202211068870	02.12.2022
51	Mr. Manoj Kumar Mr. Agha Ram Hussain	CST CST	Position Based Attendance System (CN)	Rosy Madan, Srishty Jindal, Manoj Kumar, Agha Ram Hussain	202211068871	02.12.2022
52	Dr. Susmita Ray Ms. Chandni Maggo	CST CST	Medical Assistance System and Method of Generating Reminders Using the Same	Savita, Nitasha Soni, Susmita Ray, Chandni Maggo	202211068865	02.12.2022
53	Dr. Jyoti Pruthi Dr. Prinima Gupta	CST CST	Voice Based Notice Board Using Android	Arko Bagchi, Tanu Dua, Jyoti Pruthi, Prinima Gupta	202211068866	02.12.2022
54	Dr. Ajit Katiyar Ms. Priyanka Gupta	Mechanical CST	Fruit Harvesting Inchworm Robot	Dr. Ajit, Priyanka Gupta, S.N. Deepa, Rajakumar B.R., Binu Dennis	202211057825 A	28.10.2022
55	Dr. Parneeta Dhaliwal	CST	Autonomous Block Chain Based System for Generation and Delivery of Photographic Aadhaar Linked Birth Certificates	Dr. Riya Sapra, Dr. Shraddha Arora, Dr. Parneeta Dhaliwal	202211058422 A	21.10.2022

56	Dr. Ankita Gaur	Mathematics	Big Data and Machine Learning Based Approach for Wireless Network Resource Management	Dr. Senthil Kumar Kathiresan, Dr. Sri Hari Nallamala, Dr. Amit Singla, Dr. Vijendra Singh, Dr. Ankita Gaur, Dr. Ajay Singh Yadav	202241047440 A	26.08.2022
57	Dr. Kalpana Shukla	Mathematics	A Smart System for Monitoring Charging of Electric Vehicle Battery using Smart Portable Charger	Ms. Priyanka Yadav, Dr. Anil Kumar Sharma, Dr. Kalpana Shukla, Mr. Tej Raj, Dr. Prashant Kumar, Dr. Satyendra Singh	202211025204 A	06.05.2022
58	Dr. R.Girija	CST	IoT Driven Sensor Fusion with Deep Learning for the Detection of Dangerous Driver Behavior	Dr. M.Thirunavukkarasan, Dr. Rajasekaran Saminathan, Dr.Mohammed Tharwan, Pragya Tewari, Dr.Mohamed Mallick, Swadesh Kumar Maurya, A.S.Mohammed Shariff, Dr. R.Girija, Rajakumar. P, Dr. C.Bagath Basha	202241019015	08.04.2022
59	Dr. Ruchi Gupta	Mathematics	A System for Breast Cancer Image Classification using 2C Algorithm with Multiclass Support Vector Machine Interfaces	Dr. Hambeer Singh, Dr. Deepankar Sharma, Dr. Ruchi Gupta, Mr. Raveendra Kumar Bharati, Ms. Vasudha Tiwari, Prof. (Dr) Anil Kumar	202211017594 A	01.04.2022
60	Dr. Priyanka Chadha Dr. Manmeet Bali Nag	Management & Commerce	Health Diagnosing System	Venkatesh, Heena, Dr. Ruchika, Dr. Gurbir, Dr, Ashima, Dr. Manmeet, Dr. Priyanka, Dr. Rajat and Amitesh Sinha	361299-001	01.04.2022
61	Mr. 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
62	Dr. S.K. Bose	Law	A Novel Device to Produce Electrical Energy using Vibration Generated by its Surrounding	Venkatesh Bharti, Amitesh Sinha, Vandana Ahuja, Dr. S.K Bose, Dr. Gurbir Singh Khera, Dr. Priyanka Chadha, Dr. Pragati Saxena, Dr. Rajat Gera	202211008825	25.02.2022

63	Dr. Shalu Gupta	CST	A IoT Based Coagulation Analyzer	Shubhangi Pandurang Tidake Rani Pandurang Tidake Pritee Sagar Uttarwar Dr. Shalu Prof.Ramesh Chandra Panda	356093-001	03.01.2022
64	Dr. Shalu Gupta	CST	System and Method for Monitoring Water Quality of Biofloc Fish Culture	Dr. Shalu, Pooja Bhardwaj, Miss. Shyla, Miss. Uma Tomer, Preeti Raturi, Dr. Prerana Rai, Dr. Parul Gandhi, Gaurav, Miss. Shruti Sinha, S.V.G.V.A Prasad, Dr. Lakshmi D, Prof.Ramesh Chandra Panda	202111059116 A	31.12.2021
65	Dr. Ruchi Gupta	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 A	17.12.2021
66	Dr. Shalu Gupta	CST	A System for Monitoring Social Distance and generating alerts Using IoT	Dr. Shalu, Ms. Neha Batra, Dr. Poonam Rani, Ms. Shyla, Ms. Sumita Lamba, Ms. Pinki Sagar, Ms. Sweety, Dr. Sahabul Alam, Dr. Rama Sharma, Pooja Bhardwaj, Prof. Ramesh Chandra Panda	202111046254 A	29.10.2021
67	Dr. M. Thurai Pandian Dr. Sanjay Singh Mr. Ankur Kumar Aggarwal	CST	Design System of PEIS for Handle Large-RFID Network	Dr. M. Thurai Pandian, Dr. P. Damodharan, Dr. Sanjay Singh, Mr. Ankur Kumar Aggarwal	202141046045	22.10.2021
68	Mr. Dhruv Rohatgi Mr. Aayushi Aggarwal Mr. Siddharth Srivastava Ms. Palak Gupta Mr. Suresh Kumar	CST	Automated IOT Based Rapid Medicine Delivery System	Dhruv Rohatgi, Aayushi Aggarwal, Siddharth Srivastava, Palak Gupta, Suresh Kumar	201911040293	03.09.2021
69	Dr. 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

70	Mr. Prateek Mr. Sorabh Mr. Shailesh	CST	Filter Cum Stirrer Mechanism for Stir Casting of Composite	Prateek, Sorabh, Shailesh	201911023212	27.08.2021
71	Dr. Sabiha Imran	-	Isolation and Characterization of Broad Spectrum Bacteriocin Isolated from Bacteria Habituating Polluted Water	Sabiha Imran	201911023213	27.08.2021
72	Mr. Gurpreet Singh Matharou Mr. Ritesh Kumar Nagar	Mechanical	External Handbrake with Mechanical Park Assist	Gurpreet Singh Matharou, Ritesh Kumar Nagar	201911023214	27.08.2021
73	Ms. Shaveta Bhatia Mr. Shiv Shankar Rai	-	Handheld Self Examine Brest Cancer	Shaveta Bhatia, Shiv Shankar Rai	201911033647	27.08.2021
74	Dr. Y.K Awasthi Mr. Gaurav Saxena	ECE	Compact Planar Super Wideband Equal Power Divider/Combiner for RF & Microwave Applications	Y.K Awasthi, Gaurav Saxena	201911031519	27.08.2021