



## RDC Cell

### Registration of Design/Granted Patent Details

S.No.	Name of Faculty	Deptt.	Patent Title	Name of All Inventors	Application Number	Date of Registration of Design/Granted
1	Abhishek Saxena	CST	Worker Reassurance Monitoring Instrument	Zatin Gupta, Isha Chopra, Dr. Sukhvinder Singh Deora, Dr. Abhishek Saxena, Mrs. Mandeep Kaur	U.K. Design Application-6332622	22.02.2024
2	Ranjna Jain, Neelu Chaudhary & Abhishek Saxena	CST	Smart Device For Mental Health Assessment	Arun Mohan Arumugam Mohan, Dhanalakshmi Komatiguntala, Kannan Vellingiri, Ranjna Jain, Neelu Chaudhary, Abhishek Saxena & Neelam Raut	U.K. Design Application-6326173	23.11.2023
3	Dr. Piyush Charan, Dr. Anshuman Sahai, Dr. Somya Asthana, Dr. Deepti Maikhuri, Dr. Joginder Singh & Dr. Moditma	ECE/ Sciences- Physics/ Mechanical	Seat Belt With Heart Rate Recognition For Ignition Of Vehicle	Dr. Piyush Charan, Dr. Anshuman Sahai, Dr. Somya Asthana, Dr. Deepti Maikhuri, Dr. Joginder Singh & Dr. Moditma	Indian Design Patent 398635-001	19.01.2024
4	Mamta Arora & Mrinal Pandey	CST	IOT Based Automatic Biochemistry Analyzer	Dr. Preeti Chincholikar, Dr. Sanjay Kurkute, Dr. Mamta Arora, Dr. Mrinal Pandey, Dr. Neera Singh, Dr. Renu Shrivastava, Mr. Manoj Chincholikar	Indian Design Patent 400031-001	18.01.2024
5	Pooja Kapoor	Management & Commerce	Machine Learning Based Health Monitoring Wearable Device	Navdeep Kapoor, Pooja Kapoor	Indian Design Patent 396982-001	08.12.2023

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6	Shalu Singh	CST	Multi-Sensor Real-Time Sorting Modular Robot	Dr. Shalu Singh, Ms. Shyla Shyla, Dr. Pooja Pooja, Dr. Isha Singh, Ms. Priyanka	U.K. Design Application-6304989	28.11.2023
7	Piyush Charan	ECE	Uranium Purification Device For Water	Dr. Sumit Saini, Mr. B. Deepan Kumar, Dr. Piyush Charan, Dr. Ajay Pandit Nikum, Dr. Vishal Tukaram Aparadh, Dr. Katakam Satyanarayana	Indian Design Patent 387202-001	20.11.2023
8	Shalu Singh	CST	Robot for Air Conditioner Duct Cleaning	Dr. Shalu Singh, Dr. Anupriya Anupriya, Dr. Poonam Poonam, Dr. Narender Ranga, Priya Saharan, Vinit Kumar	U.K. Design Application-6304988	14.11.2023
9	Shalu Singh & Deepti Thakral	CST	Soil Moisture Level Indicator	Dr. Shalu, Dr. Deepti Thakral, Indu Dohare, Dr. Vinit Kumar, Dr. Ashish Kumar, Rajesh Punia	U.K. Design Application-6305737	09.11.2023
10	Piyush Charan	ECE	Portable Environment Data Monitoring Box	Dr. T. V. Attar, Dr. Piyush Charan, Dr. Anupam Das, Dr. Vitthal T. Mohite, Dr. Vishnu Kumar Saxena, Dr. Shashank Pushkar	Design Patent 390497-001	06.10.2023
11	Tanushri Purohit, Pooja Kapoor, Neeraj Chopra	Management & Commerce	Device for Tracking the Employee Behaviour Based on Machine Learning	Tanushri Purohit, Pooja Kapoor, Neeraj Chopra, Navdeep Kapoor	Design Patent 390248-001	25.09.2023
12	Shalu Singh	CST	AI Based Driver Drowsiness Detecting Device	Dr. Shalu Singh, Dr. Monika Singh, Dr. Charu Jain, Ms. Shyla Shyla, Ms. Priyanka Priyanka, Ms. Jaspreet Kaur, Dr. Isha Singh	U.K. Design Application-6307260	02.09.2023
13	Piyush Charan	ECE	Glucose Monitoring Device	Jyothsna D. Kuchipudi, Bhargavi Posinasetty, Dr. Piyush Charan, Gaurav Dhiman, Sumana Kumar, Haewon Byeon	U.K Design Patent 6304629	01.09.2023

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14	Shalu Singh	CST	Machine Learning Based Stress Detection Device	Dr. Shalu Singh, Ms. Sandeepi Sandeepi, Dr. Pinki Sagar, Ms. Neha Batra, Dr. Neha Saini, Dr. Dinesh Singh	U.K. Design Application-6306508	15.11.2023
15	Piyush Charan	ECE	Pen with Calculator	Dr. Niranjan Kumar Mishra, Dr. Piyush Charan, Dr. Anurag S. Tomer, Dr. Joeeta A. Tomer, Sonnis Bharat Singh, Sheshang Degadwala, Dr. Rohit K. Verma	Design Patent 390493-001	30.08.2023
16	Tanushri Purohit	Management & Commerce	Positron Emission Tomography Functional Magnetic Resonance Imaging Machine for Mental Health	Anjali Gupta, Mr. Arun Arora, Prof. (Dr.) Tanhushri Purohit, Prof. (Dr.) Divya Jyoti Thakur, Prof. (Dr.) Debi Prasad Das, Dr. Smruti Ranjan Das, Dr. Rupali Atul Mahajan, Dr. Neha Gupta, Dr. Trapty Agarwal, Vandana Dabass, Dr. Jolly Masih, Dr. Tanu Singh	U.K Design Patent-6296627	22.07.2023
17	Piyush Charan	ECE	Wearable Health Monitoring Jacket	Dr. Rajan Ethiraj Ugandar, Pushpraj Singh Rajawa Mr. Zohaib Hasan Khan, Dr. Piyush Charan, Dr. Arunkumar Thangavel, Dr. Mohd Ahmer	UK Design Patent-6287661	14.06.2023
18	Parul Jhajharia, Pragati Chauhan, Yogita Sharma & Pooja Kapoor	Management & Commerce	Exhaust Fan With Air Filter	Prof. (Dr.) Parul Jhajharia, Dr. Pragati Chauhan, Yogita Sharma, Dr. Pooja Kapoor, Dr. Ashima Saxena & Dr. Priyanka Chadha & Venkatesh Bharti	Design Patent 365421-001	12.05.2023
19	Shalu	CST	System and Method for Monitoring Water Quality of Biofloc Fish Culture	Dr. Senthil Kumar Kathiresan, Dr. Sri Hari Nallamala, Dr. Amit Singla, Dr. Vijendra Singh, Dr. Ankita Gaur, Dr. Ajay Singh Yadav	202111059116	31.03.2023

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20	Shalu	CST	A IoT Based Coagulation Analyzer	Shubhangi Pandurang Tidake Rani Pandurang Tidake Pritee Sagar Uttarwar Dr. Shalu Prof.Ramesh Chandra Panda	Design Patent 356093-001	25.01.2023
21	Dr. Ajit Katiyar & Mr. Gianender Kajal	Mechanical	Solar Powered Sea Water Desalination Apparatus	Dr. Ajit Katiyar, Mr. Gianender Kajal, Ms. Pratibha Malik & Dr. Naveen Sharma	Design Patent 374692-001	20.01.2023
22	Shalu Singh	CST	Artificial Intelligence Based Skin Cancer Inspection Device	Dr. Shalu, Ms. Neha Saini, Prof. Ramesh Chandra Panda, Dr. P Karthigeyan	Design Patent 348302-001	09.12.2022
23	Shalu Singh	CST	An IOT Based Swirling Bath Shower System	Dinesh Singh, Shalu Singh, Purnendu Bikash Acharjee, Sushil Bhardwaj, Abinash Rath, Tripti Rani Borah, Bhupaesh Ghai, Indu Sharma, Surbhi Sharma, Ramesh Chandra Panda	2022/03855	26.08.2022
24	Shalu Singh	CST	A novel cost Effective home Gardening System	Jolly Masih, Dr. Abhishek Pandey, Abhay Singh Lodhi, Dr. Narendra Ranga, Prof. Dr. Tirthankar Datta, Dr. Gufran Ahmad Ansari, Dr. (Mrs) Dhanashri M. Tumme, Dr. Narinder Kumar, Mr. Manohar Golait, Dr. Meenakshi Awasthi, Dr. Mohd Ashaq, Dr. Shalu, Prof. Ramesh Chandra Panda	2022/04878	27.07.2022
25	Shalu Singh	CST	Microcontroller Based Hydroponic System and Ultrasound Pump Control Apparatus	Prof. Ramesh Chandra Panda, Dr. Shalu, Ms. Poonam Dhiman, Ms. Neha Saini, R Venkata Simhadri, KVS AKHIL, Bheri kalyan Chakravarthy, B.Vasantha Lakshmi	Design Patent 348854-001	08.07.2022

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26	Shalu Singh	CST	An IOT baed Automatic Medicine Carrier	Dr. Shalu, Rinki Chauhan, Jyoti Gupta, Ruchika Garg, Kiran Dobhal, Mr. Pankaj Pant, Prof. Jyoti Saxena, Abhigyan Choudhary, Ms. Meenu Bhati, Dr. Parth Sarthi Sen Gupta, Krishna Bikram Shah, Swarnlata Dakua, Dr. Mohs Ashaq, Dr. Raj Singh, Dr. Indu Sharma, Prof. Ramesh Chandra Panda	2022/03540	29.06.2022
27	Shalu Singh	CST	A System using AI based unmanned aerial vehicle for solid waste management & environmental sensing	Dr. Renuka Sharma, Miss. Shyla Miss. Prerana Rai Dr. Shalu, Uma Tomer, Miss. Mamta, Miss. Pushpa Dr. Mandheer Kaur, Dr. Shikha Tapan Kumar, Dr. Radhika G. Deshmukh, Dr. Sangita Ingole, Prof. Ramesh Chandra Panda	2021/09621	30.03.2022
28	Shalu Singh	CST	An IOT Enabled Sand Air Jet Machining System	Dr. Shalu, Dr. Tayyab Khan, Dr. Sapna Katiyar, Intyaz Alam, Ms. Anchal Tyagi, Bhuprabha Bharti, Donika Umesh Chaudhari, Ms. Aakansha Garg, Dr. Priyanka Bobade, Dr. Kshama Pandey, Monika Sharma, Prof. Ramesh Chandra Panda	2021/08283	23.02.2022
29	Sujata Nayak & Parneeta Dhaliwal	Mechanical & CST	A Advanced ISF method by using laser & advance mechanism	Ajay, Deepak Dahiya, Sujata Nayak, Parneeta Dhaliwal, Tushar Choudhary, Anil Kumar Gillawat, Mamta Dahiya, Shivashankarayya, Rajesh Goel, Anivel Sambasivam & Victor Gambhir	2021102997 (IP Australia)	13.10.2021

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30	Sanjay Singh	CST	Smart Education Framework:Smart AI-IOT based educator monitoring and content availability alert system	Arpit Jian, Aman Kumar, Anand Prakash, Rakesh Kumar, Sanjay Singh Ankur Bhardwaj, Rohit Agrawal	2020102616 (IP Australia)	25.11.2020