

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 | Kaveri Sharma | Law | Artificial Intelligence Based Humanoid Robot for Security | Prof. (Dr.) Kaveri Sharma, Dr. Vishnu Kumar Sharma, Dr. Anand Kumar Dohare, Sr. Prof. Dr. Hayavadana. J, R. Kalaiselvi & Dr. Deepa Tyagi | 408134-001 | 26.04.2024 |
| 2 | Arushi Malik Mehta & Chaitali Wadhwa | Law | IOT Based Solar Power Agriculture Robot | Dr. Gambhir Singh, Dr. Vishnu Kumar Sharma, Mrs. Bhawna Sachdeva, Mr. Shubhank, Dr. Arushi Malik Mehta, Ms. Chaitali Wadhwa, Dr. Monika Dixit, Dr. Neeraj Sharma, Pooja Singh & Mrs. Kalpana Bhuyan | 407620-001 | 25.04.2024 |
| 3 | 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 |
| 4 | 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 |

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| 5 | 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 |
| 6 | 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 |
| 7 | Pooja Kapoor | Management & Commerce | Machine Learning Based Health Monitoring Wearable Device | Navdeep Kapoor, Pooja Kapoor | Indian Design Patent 396982-001 | 08.12.2023 |
| 8 | 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 |
| 9 | 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 |
| 10 | Shalu Singh | CST | Robot for Air Conditioner | Dr. Shalu Singh, Dr. Anupriya | U.K. Design Application- | 14.11.2023 |

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| | | | Duct Cleaning | Anupriya, Dr. Poonam Poonam, Dr. Narender Ranga, Priya Saharan, Vinit Kumar | 6304988 | |
| 11 | 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 |
| 12 | 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | 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 |
| 16 | Shalu Singh | CST | Machine Learning Based Stress | Dr. Shalu Singh, Ms. Sandeepi Sandeepi, Dr. | U.K. Design Application-6306508 | 15.11.2023 |

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| | | | Detection Device | Pinki Sagar, Ms. Neha Batra, Dr. Neha Saini, Dr. Dinesh Singh | | |
| 17 | Piyush Charan | ECE | Pen with Calculator | Dr. Niranjana 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 |
| 18 | Tanushri Purohit | Management & Commerce | Positron Emission Tomography Functional Magnetic Resonance Imaging Machine for Mental Health | Anjali Gupta, Mr. Arun Arora, Prof. (Dr.) Tanushri Purohit, Prof. (Dr.) Divya Jyoti Thakur, Prof. (Dr.) Debi Prasad Das, Dr. Smruti Ranjan Das, Dr. Rupali Atul Mahajan, Dr. Neha Gupta, Dr. Trapti Agarwal, Vandana Dabass, Dr. Jolly Masih, Dr. Tanu Singh | U.K Design Patent- 6296627 | 22.07.2023 |
| 19 | 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 |
| 20 | Parul Jhaharia, Pragati Chauhan, Yogita Sharma & Pooja Kapoor | Management & Commerce | Exhaust Fan With Air Filter | Prof. (Dr.) Parul Jhaharia, Dr. Pragati Chauhan, Yogita Sharma, Dr. Pooja Kapoor, Dr. Ashima Saxena & Dr. Priyanka Chadha | Design Patent 365421-001 | 12.05.2023 |

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| | | | | & Venkatesh Bharti | | |
| 21 | 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 |
| 22 | 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 |
| 23 | 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 |
| 24 | 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 |
| 25 | 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 |
| 26 | Shalu Singh | CST | A novel cost Effective home Gardening System | Jolly Masih, Dr. Abhishek Pandey, Abhay Singh Lodhi, Dr. | 2022/04878 | 27.07.2022 |

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| | | | | 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 | | |
| 27 | 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 |
| 28 | 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 | 2022/03540 | 29.06.2022 |

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| | | | | Chandra Panda | | |
| 29 | 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 |
| 30 | 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 |
| 31 | 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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| 32 | 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 |