

**List of 79 Ph.D. students to be awarded degree in the 18th Convocation (18-09-2024)**

S.No.	ID No.	Department	Name	Title of Thesis	Date of Viva-Voce
1	2018REC9041	ELECTRONICS AND COMMUNICATION ENGINEERING	MOHIT YADAV	Design and Development of Compact and Economical Artificial Magnetic Conductor backed Antennas for Wearable Biomedical Applications	13-03-2024
2	2019RBM9137	MANAGEMENT STUDIES	RAKHI SINGH	Impact of High Performance Work Practices on Employee Engagement in Generation Y: A Study on Indian Hospitality Industry	19-03-2024
3	2020RAR9574	ARCHITECTURE AND PLANNING	SWASTI SHARMA	Framework for Land-Use Planning in Hill Towns of India	08-04-2024
4	2019RCE9108	CIVIL ENGINEERING	MD RIHAN MAAZE	A Feasibility Study of Utilizing Recycled Concrete and Brick Waste as Precursor in Development of Sustainable Alkali-activated Bricks	02-04-2024
5	2020RME9056	MECHANICAL ENGINEERING	PREETI CHAUHAN	Vibrational Characterization of Prosthetic Feet and Stability Analysis on Gait of Lower Limb Prosthesis	08-04-2024
6	2018RCY9014	CHEMISTRY	AMIT KUMAR	Can Ice and Water Droplets Contribute to the Oxidizing Capacity of the Troposphere?	05-04-2024
7	2019REN9013	CENTRE FOR ENERGY AND ENVIRONMENT	ROHIT VIJAY	TSO-DSO Coordination for Ancillary Service Provisions	13-04-2024
8	2019REC9081	ELECTRONICS AND COMMUNICATION ENGINEERING	KAMAL KISHOR CHOURE	Realization of Optical Elementary Reversible Logic Functions and Quantum Gates for Computational Applications	18-04-2024
9	2019REE9113	ELECTRICAL ENGINEERING	VIKRAM SINGH	Some Investigations on Bidding Dynamics in Restructured Power System	22-04-2024
10	2019RCE9068	CIVIL ENGINEERING	AJAY SHARMA	Utility of Construction & Demolition Waste Aggregates as Fill Material for Embankments/Earth Structures	09-04-2024
11	2019RCY9156	CHEMISTRY	POONAM KUMARI	Eco-friendly and Economically Viable Carbon Nano Onions for the Remediation of Wastewater	08-04-2024
12	2019RAR9010	ARCHITECTURE AND PLANNING	PARUL BHYAN	Comprehensive Framework for Sustainability Assessment of Group Housing	15-04-2024

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13	2018RCP9080	COMPUTER SCIENCE AND ENGINEERING	JITENDRA GOYAL	A Secure Framework for IoT using Blockchain Technology	16-04-2024
14	2019REC9564	ELECTRONICS AND COMMUNICATION ENGINEERING	GIRIRAJ SHARMA	Security Mechanism for Vehicle to Grid Communication in Smart Grid	30-04-2024
15	2019RCE9067	CIVIL ENGINEERING	SHIVAM CHAUHAN	Study of Remotely Sensed Land Surface Temperature Variation with Different Models of Agro Climatic Zonal Cities of Rajasthan	02-05-2024
16	2019RCH9554	CHEMICAL ENGINEERING	YOGESH ASHOK BHADANGE	Studies on Different Extraction Techniques for the Extraction of Bioactive Components from Natural Ingredients	02-05-2024
17	2017REC9053	ELECTRONICS AND COMMUNICATION ENGINEERING	BIPIN KUMAR SAW	Modelling and Simulation of Modulation Techniques and Channel Characteristics for FSO Communication System	07-05-2024
18	2018RCY9044	CHEMISTRY	BINOD KUMAR ORAM	Hydrogen Bond Induced Spectral Shifts in Donor and Acceptor Stretching Vibrations : IR Spectroscopy in Nonpolar Solution and Inert Matrix	10-05-2024
19	2016REN9037	CENTRE FOR ENERGY AND ENVIRONMENT	BIBHU KALYAN NAYAK	Development of Residential Archetypes based on End-use Energy Consumption	13-05-2024
20	2018RCY9036	CHEMISTRY	MONU	A Quantum Chemical and Matrix Isolation IR Spectroscopic Investigation of S—H•••S Hydrogen Bonds in Small H <sub>2</sub> S Clusters	17-05-2024
21	2018RCH9107	CHEMICAL ENGINEERING	JYOTI KATIYAR	Studies on Degradation of Bio-Recalcitrant Compounds using Hybrid Advanced Oxidation Process	16-05-2024
22	2019RMT9097	METALLURGICAL AND MATERIALS ENGINEERING	PATEL NIKUNJKUMAR JITENDRABHAI	Development of High Performance 5754 based Aluminum Alloys	16-05-2024

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23	2017RCE9006	CIVIL ENGINEERING	ROHIT	Use of Flaggy Limestone (Kota Stone) Waste from Stone Industry to Produce Vibro- Compacted Hollow Concrete Blocks	20-05-2024
24	2019RMA9034	MATHEMATICS	AKSHAY KUMAR	Extended Locally Convex Spaces	24-05-2024
25	2019RME9084	MECHANICAL ENGINEERING	NARESH KAUSHIK	Synthesis, Characterization and Machinability Study of Equiatomic and Non-Equiatomic CrMnFeCoNi High Entropy Alloys	29-05-2024
26	2019RCE9058	CIVIL ENGINEERING	RAVINDRA BUDANIA	Comparative Analysis of Materials for Use in Permeable Reactive Barrier for Remediation of Fluoride-Contaminated Groundwater	28-05-2024
27	2019REN9015	CENTRE FOR ENERGY AND ENVIRONMENT	DINESH KUMAR SHARMA	Studies on Hybrid Thermal Management of Li-ion Battery Module for High Ambient Temperature Conditions	24-05-2024
28	2019RMA9080	MATHEMATICS	AKANKSHA BANSAL	Analysis of Thermoconvective Flows in Porous Media under Local Thermal Non-Equilibrium Conditions	03-06-2024
29	2018RCY9118	CHEMISTRY	NAWAL KISHORE SAHU	Indole-Based Novel Bioactive Alkaloids : Synthesis, Chemistry and Biological Assessment	24-06-2024
30	2018RME9166	MECHANICAL ENGINEERING	Nikhil Yadav	Investigation of Musculoskeletal Disorders and Ergonomics Design of Workplace for Pregnant Women	19-06-2024
31	2019RMT9035	METALLURGICAL AND MATERIALS ENGINEERING	PREMLATA	Improvement in Electrochemical Properties of High Entropy Alloys Coatings Incorporated with Carbon Nanotubes via Electrodeposition Route on Mild Steel Substrate	18-06-2024
32	2018RCE9172	CIVIL ENGINEERING	Mag Raj	A Study on Sustainability Assessment of Rendering Mortar Developed from Granite Cutting Waste	10-06-2024
33	2019RME9109	MECHANICAL ENGINEERING	AMITKUMAR RAJENDRA PATIL	Artificial Intelligence-Based Prognostics and Health Management Framework for Industrial Systems	07-06-2024

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34	2019RAR9014	ARCHITECTURE AND PLANNING	GARIMA	Model Framework for Rejuvenation of Eco-Sensitive Zones (ESZs)	29-05-2024
35	2019RCY9020	CHEMISTRY	RUCHI AGGARWAL	Cellulose and Diesel Soot Derived Nanomaterials for Multifunctional Application	13-06-2024
36	2019RHS9130	HUMANITIES AND SOCIAL SCIENCE	HEENA CHOUDHARY	Bridging the Digital Divide Through Digital Literacy Training Programs : The Role of Public Policies in Rural Digital Empowerment in India	07-06-2024
37	2018REC9046	ELECTRONICS AND COMMUNICATION ENGINEERING	GEETHA P	Design of Nature Inspired Algorithms based on Sailfish Optimizer for Direction of Arrival Estimation and Applications	28-07-2024
38	2020RMA9085	MATHEMATICS	NISHANT	A Study on Generalized Incomplete Functions and Their Associated Applications	25-06-2024
39	2020RCE9037	CIVIL ENGINEERING	ABHISHEK SOTI	Performance Enhancement of Vertical Flow Constructed Wetlands	26-07-2024
40	2019RCP9044	COMPUTER SCIENCE AND ENGINEERING	JITENDRA PARMAR	Unseen Class Identification in the Open-world Machine Learning	28-06-2024
41	2018REE9124	ELECTRICAL ENGINEERING	Khushboo Shah	Estimation Based Model Predictive Control and its Applications	08-07-2024
42	2018RCH9090	CHEMICAL ENGINEERING	ANJU GUPTA	Reactive Adsorption Studies on Acyclovir Removal from Aqueous Solution using Solid Reactive Adsorbent	08-07-2024
43	2020RCE9521	CIVIL ENGINEERING	AYUSH MEENA	Mathematical Simulation and Mechanical Characterization Assessment in Reutilized Material Concrete for Diverse Loading	12-07-2024
44	2019RPY9063	PHYSICS	NISHEL SAINI	Nanostructured Membrane Comprising Self-Assembly of Conjugated Polymers for Gas Separation	08-07-2024
45	2019REC9143	ELECTRONICS AND COMMUNICATION ENGINEERING	PANKAJ BINDA	Inverse Source Reconstruction for Estimating Radiated Emissions on Spherical Measurement Surfaces	18-07-2024

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46	2020RCP9049	COMPUTER SCIENCE AND ENGINEERING	AISHWARYA MISHRA	Mathematical Models of Geoscience based Computational Intelligence for Smart Farming	18-07-2024
47	2020RME9635	MECHANICAL ENGINEERING	NIKHIL JAIN	Synthesis and Testing of Edible and Non-Edible Oil-Based Water in Oil Nano-Emulsion as Dielectric in EDM Process	12-07-2024
48	2018REE9088	ELECTRICAL ENGINEERING	SHAKTI VASHISTH	EV Charging Planning Models: Some Investigations	25-07-2024
49	2019REC9512	ELECTRONICS AND COMMUNICATION ENGINEERING	JYOTI SHARMA	Design and Optimization of Phase Frequency Detectors for High Speed Frequency Synthesizers	22-07-2024
50	2019RME9095	MECHANICAL ENGINEERING	ANBESH JAMWAL	Industry 4.0 Enablers for Sustainable Manufacturing Operations	05-08-2024
51	2019REE9140	ELECTRICAL ENGINEERING	MAHIPAL BUKYA	Insulation Design and Analysis for the Electric Vehicle Cabling Network	16-08-2024
52	2016RCP9518	COMPUTER SCIENCE AND ENGINEERING	ANAMIKA SATRAWALA	Adaptive Model for Driving Behaviour Analysis in IOV	29-07-2024
53	2016RCP9036	COMPUTER SCIENCE AND ENGINEERING	GEETU DHAWAN	Resource Aware Information Centric Caching for Internet of Things	12-08-2024
54	2019RCP9045	COMPUTER SCIENCE AND ENGINEERING	RUKHSAR SULTANA	Dynamic and Context-Sensitive Misbehavior Detection in Vehicular Ad Hoc Network	14-08-2024
55	2019RMR9543	MATERIAL RESEARCH CENTER	ADITI SHARMA	Development of Heterogeneous Catalysts for the Environmental Applications	08-08-2024
56	2019RCP9183	COMPUTER SCIENCE AND ENGINEERING	IDRIS AFZAL SHAH	Optimized Routing Strategies for Performance Enhancement in Delay Tolerant and Wireless Sensor Networks	08-08-2024
57	2020REC9502	ELECTRONICS AND COMMUNICATION ENGINEERING	DEVENDERPAL SINGH	Analysis of FinFET based Memory and Perform Compute-In-Memory Operations	12-08-2024

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58	2017RAR9084	ARCHITECTURE AND PLANNING	KALPANA PANDIT	An Architectural Re-interpretation of the Abode of Lord Vishnu : A Study of Haveli Temples of Jaipur Walled City Built in 18th -19th Century	09-08-2024
59	2018RPY9055	PHYSICS	SANJEEDA BHARATI DAS	Measurement of the Time Integrated CP Asymmetry in $D^0 \rightarrow K^0_s K^0_s$ decay at Belle and Belle II Experiments	09-08-2024
60	2018RPY9026	PHYSICS	CHANCHAL SHARMA	Measurements of the Time-integrated Rate and CP Asymmetry of $D^0 \rightarrow K^+ \pi^- \pi^0$ decays at Belle II	09-08-2024
61	2019RME9022	MECHANICAL ENGINEERING	SONU SAINI	Fabrication Characterization and Wear Analysis of Polymer based Dental Composites	19-08-2024
62	2018RCE9168	CIVIL ENGINEERING	Dhruv Saxena	Variability of Evapotranspiration under Different Agro-Hydro Meteorological Conditions in Western Rajasthan	22-08-2024
63	2019REC9508	ELECTRONICS AND COMMUNICATION ENGINEERING	RIYA SEN	Design, Fabrication and Performance Evaluation of Perovskite Solar Cells	28-08-2024
64	2019RME9018	MECHANICAL ENGINEERING	ALOK BIHARI SINGH	Assessment of Sustainability Practices in Hospitality Sector : A Select Study of Indian Hotel Industry	06-09-2024
65	2018REC9015	ELECTRONICS AND COMMUNICATION ENGINEERING	SUDARSHAN KUMAR JAIN	Design and Analysis of Heterojunction Solar Cells with Nanostructures	06-09-2024
66	2019RCH9039	CHEMICAL ENGINEERING	TIKEKAR KETAKI JAYANT	Model-Base Control of Fixed-Bed Reactor for the Synthesis of 1,1-diethoxybutane	09-09-2024
67	2020REE9026	ELECTRICAL ENGINEERING	ANIL JAKHAR	Single-Phase Transformer-less Boosting Inverters with Reduced Ground Leakage Current for Photovoltaic Applications	07-09-2024
68	2019RPY9105	PHYSICS	YOGITA	MOF-derived Transition Metal Compounds as Anode Materials for All-Solid-State Lithium-Ion Batteries	10-09-2024

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69	2019RMT9040	METALLURGICAL AND MATERIALS ENGINEERING	MANSHA MOHAN	Microstructure and Electrochemical Behaviour of Electrodeposited High Entropy Alloy Coatings on Mild Steel Substrate	06-09-2024
70	2020RCP9583	COMPUTER SCIENCE AND ENGINEERING	JYOTI NAGPAL	A Service-oriented Framework for Crop disease Classification using Hybrid Machine Learning Techniques	09-09-2024
71	2019RCH9157	CHEMICAL ENGINEERING	PRATHWIRAJ MEENA	Sustainable Thermo-catalytic Pyrolysis of Waste Plastic to Liquid Fuels	09-09-2024
72	2019RCH9026	CHEMICAL ENGINEERING	SURABHI SINGH	Sustainable Green Techniques for Enhanced Bio-oil Extraction from Waste Biomass (Algae and Waste Flowers)	06-09-2024
73	2019RCP9544	COMPUTER SCIENCE AND ENGINEERING	PAWANKUMAR BALKISHAN LAHOTI	Multilingual Question Answering and Question Generation for Hindi and Marathi Text	12-09-2024
74	2020RCE9516	CIVIL ENGINEERING	SAURABH SINGH	Design and Performance Assessment of Horizontal Subsurface Flow Constructed Wetlands for Organics and Nutrient Removal	09-09-2024
75	2018REC9093	ELECTRONICS AND COMMUNICATION ENGINEERING	PUNEET SHARMA	Synthesis and Characterization of Polymer-based Sensors for Electronic Applications	12-09-2024
76	2019REC9146	ELECTRONICS AND COMMUNICATION ENGINEERING	DIMPAL JANU	Towards Improving the Performance of Cooperative Spectrum Sensing : A Machine Learning Perspective	12-09-2024
77	2016RCY9044	CHEMISTRY	RUCHIKA SHARMA	Investigation of Copper and Cobalt based Oxide Mesostructures for Non-Enzymatic Electrochemical Sensing of Glucose	12-09-2024
78	2018RCP9013	COMPUTER SCIENCE AND ENGINEERING	ABHISHEK NARWARIA	Adaptive Controller Selection and Mobility Management in SDWSN	09-09-2024
79	2020RMR9611	MATERIAL RESEARCH CENTER	MANISH SHARMA	Magnetite Based Nanoadsorbents for Efficient Removal of Simulated Radionuclides from Water	12-09-2024