

NATIONAL INSTITUTE OF TECHNOLOGY DURGAPUR
20TH CONVOCATION
LIST OF DEGREE RECIPIENTS IN PhD PROGRAMME (UPTO 13.10.2025)

SL. NO.	Roll No.	Registration No.	Name of the Department	Name of the Scholar	Name of the scholar in Hindi	Title of the Thesis	Date of Defense Seminar
1	16CE1106	NITD/PhD/CE/2017/00981	Civil Engineering	Swarnadip Dey	स्वर्णदीप दे	A Study of Stability Designs of The Different Types of Floating Offshore Wind Turbine (FOWT) System by Integrated-Coupled Analysis under Environmental Loadings	03.09.2024
2	18MA1106	21RMA015	Mathematics	Rajesh Ranjan Patra	राजेश रंजन पात्रा	A Study on Stability and Control for Ecological Systems	05.09.2024
3	18CS1108	21RCS010	Computer Science and Engineering	Arjun Ghosh	अर्जुन घोष	Studies on Evolutionary Deep Neural Architecture Search for Image Analysis	06.09.2024
4	17PH1105	19RPH002	Physics	Saroj Khutia	सरोज खूंटिया	Investigation on Physics of Nonlinearity of Earth System Data	19.09.2024
5	14ECE1506	21REC046	Electronics and Communication Engineering	S Reddy Vamshidhar Reddy	एस रेड्डी वमशीधर रेड्डी	Mobility Management in Integrated Heterogeneous Networks	30.09.2024
6	19MM1103	20RMM0027	Metallurgical and Materials Engineering	Atosh Kumar Sinha	अतोष कुमार सिन्हा	Studies on Wire Arc Additive Manufacturing of High Strength Aluminium Alloys: Process Parameters-Structure-Property Correlation	03.10.2024
7	19CY1105	20RCY041	Chemistry	Tarun Roy	तरुण रोय	Growth Mechanism of Polycyclic Aromatic Hydrocarbons in the Interstellar Medium	04.10.2024
8	15BT1106	19RBT023	Biotechnology	Sneha Khator	सेहा खटोर	MCM3AP: A novel S phases replication checkpoint protein and its relation to Fanconi Anemia protein-FANCG	18.10.2024
9	18ME1103	20RME058	Mechanical Engineering	Dheeraj Kumar	धीरज कुमार	Performance Analysis of Solar Air Heater Having Staggered V-Shaped Twisted Ribs on Absorber Plate	21.10.2024
10	18CE1511	20RCE0017	Civil Engineering	Rabindra Kumar	रबिन्द्र कुमार	The utilization and performance investigation of nanocomposite in steel rebars	22.10.2024
11	19ME1105	21RME086	Mechanical Engineering	Nitesh Kumar Choudhary	नितेश कुमार चौधरी	Enhanced Power Generation through Waste Heat Recovery from Thermal Power Plants	22.10.2024
12	18CS1106	20RCS070	Computer Science and Engineering	Sugyan Kumar Mishra	सुग्यान कुमार मिश्रा	Software Integrated Framework Design for Internet of Things Based Applications	01.11.2024
13	18MA1109	20RMA049	Mathematics	Sandip Majumder	संदीप मजूमदार	Various kinds of approximation in rough set theory and applications	05.11.2024
14	19CE1102	21RCE071	Civil Engineering	Sudipta Ghosh	सुदीप्त घोष	Effect of elevated temperature on diverse properties of concrete containing refractory waste materials	06.11.2024
15	16CA1303	NITD/PhD/CS/2018/01007	Computer Science and Engineering	Kashi Nath Datta	काशी नाथ दत्ता	Designing an Efficient Framework for hybrid Ad hoc Network Scenarios Using WiFi and VLC	08.11.2024
16	19CS1101	21RCS057	Computer Science and Engineering	Sandipan Dhar	संदीपन धर	Speech Synthesis Using Deep Generative Models: Some Advanced Approaches	25.11.2024
17	18EE1101	20REE056	Electrical Engineering	Biswajit Mandal	बिश्वजित मण्डल	Application of Soft Computing Techniques in Dye-Sensitized Solar Cell	27.11.2024
18	15EE1101	NITD/PhD/EE/2016/00801	Electrical Engineering	Ashis Kumar Das	आशीष कुमार दास	Assessment of Fatigue Derived from Electrooculogram Signal Utilizing Advanced Measurement Techniques	29.11.2024
19	18EE1102	20REE0028	Electrical Engineering	Sourav Dhara	सौरभ धाड़ा	A Partial Discharge Monitoring System for Electrical Power System Utility Using Ultra-High Frequency Sensors	02.12.2024
20	19CY1102	21RCY030	Chemistry	Abhisek Jana	अभिषेक जाना	Computational Investigation on Lysine Methyltransferase G9a and Identification of Potential Epigenetic Inhibitors	11.12.2024
21	19PH1501	21RPH035	Physics	Ankita Choudhury	अंकिता चौधरी	Studies on opto-electronic properties of low dimensional GeO ₂ and Ga ₂ O ₃ materials	12.12.2024
22	18EE1105	22REE002	Electrical Engineering	Bikash Kumar Saw	बिकाश कुमार साव	Techno-Enviro-Economic Analysis of Distribution Network with Impacts of DG, DSTATCOM and Reconfiguration Considering Different Loads	16.12.2024

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23	16CH1505	NITD/PhD/CH/2017/00907	Chemical Engineering	Padma Seragadam	पद्मा सेरगडम	Bioremediation of Heavy Metals Using Indigenous Bacterial Strains	16.12.2024
24	17ME1301	19RME041	Mechanical Engineering	Asim Kumar Das	असीम कुमार दास	Performance study of 3D S-shaped diffuser	16.12.2024
25	19CS1102	21RCS065	Computer Science and Engineering	Manas Kumar Mohanty	मानस कुमार महान्ति	Design and Development of Intelligent Frameworks for Salient Challenges in Sustainable Agriculture	16.12.2024
26	16MS1504	NITD/PhD/MS/2018/01076	Management Studies	Vinay Kumar Shaw	विनय कुमार साव	Comparative Analysis of Listed Banks using Financial Indicators and Stock Returns in Indian Scenario	18.12.2024
27	19EE1104	21REE064	Electrical Engineering	Manas Mukherjee	मानस मुखर्जी	Strategic Deployment of μ PMUs, Communication Links, and PDCs for Distribution Network Monitoring	18.12.2024
28	18BT1104	19RBT032	Biotechnology	Namita Jaiswal	नमिता जयस्वाल	Engineering Nanogold-Albumin Conjugate for Targeted Delivery of Cancer Therapeutics	08.01.2025
29	18CS1101	20RCS0022	Computer Science and Engineering	Rahul Mondal	राहुल मंडल	On Generalization and Robustness of Neural Networks	09.01.2025
30	18EE1503	21REE009	Electrical Engineering	Sukanya Mitra	सुकन्या मित्रा	Intelligent System to Identify Faulty Rolling Bearings of Industrial Actuators Used in Critical Process Control Operations	09.01.2025
31	19CE1103	20RCE053	Civil Engineering	Puja Halder	पूजा हालदार	Effects of Wind Induced Vibrations on Highway Bridge Deck and their Mitigations	10.01.2025
32	21CS1501	22RCS034	Computer Science and Engineering	Arunita Das	अरुनीता दास	Enhancement of Partitional Clustering Techniques for Pathology Image Segmentation	13.01.2025
33	18CS1503	21RCS017	Computer Science and Engineering	Kishore Thakur	किशोर ठाकुर	Some Combinatorial Optimization Problems in Evolutionary Computing Paradigm	13.01.2025
34	19MA1105	21RMA044	Mathematics	Supriti Laha	सुप्रीति लाहा	Fixed and best proximity points in generalized structures and applications in Hyers-Ulam stability	13.01.2025
35	16IT1304	NITD/PhD/CS/2018/01037	Computer Science and Engineering	Kailash Pati Mandal	कैलाश पति मंडल	NLP-based Knowledge Management Systems in Bengali Language Applied to Healthcare Services	15.01.2025
36	16EE1101	NITD/PhD/EE/2018/01057	Electrical Engineering	Jasper D	जैस्पर डी	Development of Internet of Things (IoT) Enabled Tool for Condition Monitoring of Transformers and High Voltage Test Facilities	16.01.2025
37	19BT1106	21RBT051	Biotechnology	Deep Chanda	द्वीप चन्द	Metagenomic Study to Decipher Obesity-associated Gut Microbial Signature Pattern and Their Interaction with Host	23.01.2025
38	16BT1302	NITD/PhD/BT/2017/00925	Biotechnology	Madhu Verma	मधु वर्मा	Preclinical Studies of Theranostic Agent based on Carbon Nanocapsules and PDMS Nanoparticles and its Drug Loading Efficacy	23.01.2025
39	16ES1301	NITD/PhD/ES/2018/01046	Earth and Environmental Studies	Arpan Chattopadhyay	अर्पण चट्टोपाध्याय	Decision making on facility selection and optimization of stakeholder participation in sustainable integrated solid waste management: a study from Indian Perspective	04.02.2025
40	17CS1104	NITD/PhD/CS/2018/01036	Computer Science and Engineering	Sunil Kumar Patel	सुनील कुमार पटेल	Investigation and Development of Steganography Schemes	05.02.2025
41	16MS1301	NITD/PhD/MS/2018/01030	Management Studies	Mainak Ranjan Chaki	मैनाक रंजन चाकी	Childhood Intrinsic Interests, Career Selection and Satisfaction: An Empirical Introspection amongst Indian Human Resource Professionals	05.02.2025
42	18HS1102	20RHS034	Humanities and Social Sciences	Raju Rana	राजू राणा	Braving the Odds: Pioneering Female Actors in their own Wor(l)ds	05.02.2025
43	19PH1502	20RPH074	Physics	Kajal Maji	काजल माजी	Studies on Design and Analysis of All Optical Logic Gates and Processors Utilizing Nonlinear Properties of Semiconductor Optical Amplifiers	06.02.2025
44	19BT1101	21RBT047	Biotechnology	Debasmita Dutta	देबस्मिता दत्ता	Innovative encapsulation vehicles for characterization of β -cryptoxanthin delivery in food systems	07.02.2025
45	18BT1108	21RBT041	Biotechnology	Daiji Brahma	डेजी ब्रह्मा	Bioprospecting the bioactive metabolites of Kocuria marina DAGII: Harnessing the new paradigm as nutriscosmeceutical	11.02.2025

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46	20MA1104	22RMA026	Mathematics	Haradhan Ghosh	हाराधन घोष	Designing Authentication Protocols to Enhance Security and Privacy of RFID Systems	13.02.2025
47	16IT1303	19RCS014	Computer Science and Engineering	Sanjib Saha	संजीब साहा	Machine Learning-based Lung Disease Detection and Segmentation from Chest Computed Tomography Images	14.02.2025
48	17EE1103	20REE012	Electrical Engineering	Sandeep Kumar Das	संदीप कुमार दास	Impact of Distributed Generation on Performance of Grid-Connected and Grid-Isolated Distribution Systems	28.02.2025
49	19CS1103	21RCS089	Computer Science and Engineering	Chouhan Kumar Rath	चौहान कुमार रथ	Functional Specification of Microservice based Framework for IoT Applications	03.03.2025
50	18CY1106	19RCY049	Chemistry	Partha Sarathi Bera	पार्थ सरथी बेड़ा	Synthesis of Pharmacologically Active Heterocyclic Compounds via One Pot Three-Component Coupling Reaction Catalyzed by Bio-Inspired Nanoparticles	07.03.2025
51	17MM1102	19RMM021	Metallurgical and Materials Engineering	Sudeep Paul	सुदीप पॉल	Synthesis and Characterization of Mg-based alloys and composites for biomedical application	10.03.2025
52	17EE1102	20REE011	Electrical Engineering	Shubhrajyoti Kundu	शुभ्रज्योति कुन्दु	Optimal PMU Placement and Power Systems State Estimation Including False Data Injection Detection	11.03.2025
53	13CE1503	NITD/PhD/CE/2016/00700	Civil Engineering	Debi Prasad Das	देबी प्रसाद दास	Performance Study of Asymmetric Structure under Static & Dynamic Loads	11.03.2025
54	19CE1105	21RCE045	Civil Engineering	Pijus Rajak	पिजुस रजक	Development of Efficient Computational Methods for Structural Reliability and Sensitivity Analysis Using Machine Learning Approach	12.03.2025
55	16EC1305	NITD/PhD/EC/2018/01034	Electronics and Communication Engineering	Jeet Banerjee	जीत बनर्जी	Some Studies on Compact Ultrawideband Multiple Input Multiple Output Antennas for Wireless Devices	13.03.2025
56	19CS1108	21RCS038	Computer Science and Engineering	Raj Kumar Paul	राज कुमार पाल	Analysis and Design of Image Compression Techniques	21.03.2025
57	19EE1101	21REE081	Electrical Engineering	Poluri Sri Mannarayana	पोलुरी श्री मन्नारायण	State Estimation for Dynamic Systems using Adaptive Nonlinear Filters	25.03.2025
58	18CS1501	19RCS019	Computer Science and Engineering	Amit Paul	अमित पॉल	Inferring User's Location in Online Social Network	27.03.2025
59	19EC1101	22REC007	Electronics and Communication Engineering	Debabrata Bej	देबब्रत बेज	Air Pollutant Sensing and its Embedded Measurement System Development with Smart Interface	27.03.2025
60	19EC1501	21REC042	Electronics and Communication Engineering	Paromita De	पारोमिता दे	Some novel approaches on Designing of Quantum Optical Logic Systems Using Switches Made of Photonic Band-Gap Crystal	01.04.2025
61	15BT1102	NITD/PhD/BT/2017/00962	Biotechnology	Sameep Gehlot	समीप गहलोट	Potential Role of AMPK Activators in Reducing Cancer Cell Aggressiveness by Modulating a Monoamine Oxidase-A (MAO-A)-Mediated Pathway	02.04.2025
62	18CS1103	21RCS020	Computer Science and Engineering	Jaya Banerjee	जया बनर्जी	Software Approach to Investigate Some Phenomenon of Dyslexia in Children	02.04.2025
63	15HS1506	NITD/PhD/HS/2017/00937	Humanities and Social Sciences	Sumit Ranjan Dasgupta	सुमित रंजन दासगुप्ता	Implementation and Performance Evaluation of Enterprise Resource Planning (ERP) in Durgapur Steel Plant, under Steel Authority of India Ltd.	08.04.2025
64	16EC1502	NITD/PhD/EC/2018/01022	Electronics and Communication Engineering	Sujit Goswami	सुजीत गोस्वामी	Studies on Design of Multiband Printed Monopole Antenna for Wireless Communication	08.04.2025
65	20BT1103	21RBT088	Biotechnology	Anamika Nayak	अनामिका नायक	Development and Evaluation of Advanced Plant-Based Active Films and Smart Coatings for Food Packaging: Enhancing Preservation, Safety, and Sustainability	09.04.2025
66	20CS1107	22RCS009	Computer Science and Engineering	Sourav Roy	सौरभ रॉय	Development of Lightweight Security Systems for Resource-constrained Devices: A Hardware Security Approach	11.04.2025
67	19CS1105	21RCS060	Computer Science and Engineering	Radhika Lama	राधिका लामा	Secure and Privacy-Preserving Strategies for IoT-based Applications	21.04.2025

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68	18EC1106	22REC046	Electronics and Communication Engineering	Rajrup Saha	राजरूप सहा	Optimal Far-Field Radiation Pattern Synthesis of Antenna Array Design for 5G Communication	25.04.2025
69	20CS1105	22RCS053	Computer Science and Engineering	Poulomi Mukherjee	पौलोमी मुखर्जी	Efficient Device-to-Device (D2D) Multicasting Approaches in Fifth Generation (5G) Cellular Networks	19.05.2025
70	19ME1103	21RME082	Mechanical Engineering	Rajeev Kumar	राजीव कुमार	Modelling and Diagnosis of Gear Faults	19.05.2025
71	15CHE1103	NITD/PhD/CH/2016/00808	Chemical Engineering	Ankita Mukherjee	अण्कित मुखर्जी	Thermal Treatment of Plastic Wastes and Recovery of Value-Added Products	21.05.2025
72	19MA1101	21RMA062	Mathematics	Sushil Pandit	सुशील पंडित	Geometric Properties and Characterizations of Harmonic and Logharmonic Mappings	29.05.2025
73	18MS1504	20RMS0029	Management Studies	Swarup Mukherjee	स्वरूप मुखर्जी	Enterprise Risk Management in Supply Chain Operation: An Application of Multi-Criteria Fuzzy Data-Driven Risk Assessment Methods in an Integrated Steel Plant	13.06.2025
74	17ME1103	NITD/PhD/ME/2018/01064	Mechanical Engineering	A. Pruthvi Deep	ए. पृथ्वी दीप	Techno-Economic Analysis of Fuel Cell Based Power Generation Systems	13.06.2025
75	14ECE1505	19REC018	Electronics and Communication Engineering	Ashok Babu Chatla	अशोक बाबू चाल्ला	Design of Energy aware and fast authentication scheme using Identity based Encryption in Wireless Ad hoc Network for NGNs	16.06.2025
76	18MM1102	20RMM035	Metallurgical and Materials Engineering	Rahul Bhandari	राहुल भंडारी	Development of Hypereutectic Al-Mg ₂ Si Composite for Automobile Application	16.06.2025
77	19MS1101	21RMS054	Management Studies	Aishwarya Mitra	ऐश्वर्या मित्रा	Impact of Financial Literacy on Financial Inclusiveness with the Mediating Role of Behavioral Bias: An Empirical Study in Indian Context	18.06.2025
78	20MA1109	22RMA016	Mathematics	Snehashish Sarkar	स्नेहाशीष सरकार	Convective Instabilities and Flow Transitions: Role of Rotation and Magnetic Field	23.06.2025
79	16MS1501	NITD/PhD/MS/2017/00929	Management Studies	Soumen Chatterjee	सौमेन चटर्जी	Essay's On Earning Management in Indian Firms with Special Reference to Peer Performance And Corporate Governance Practices	24.06.2025
80	20CS1102	22RCS052	Computer Science and Engineering	Sukanya Maji	सुकन्या माजी	Variations of Covering Problem for Colored Geometric Objects in R ²	26.06.2025
81	19CS1107	20RCS0020	Computer Science and Engineering	Joyita Chakraborty	जोईता चक्रबर्ती	Time Evolving Citation Networks: Modeling, Analysis, Mining, and Applications	27.06.2025
82	19PH1103	21RPH048	Physics	Arindam Dey	अरिन्दम दे	Studies on Development of Visible Random Lasers by Employment of Different Nanostructured Scatterer Materials	02.07.2025
83	20CS1502	22RCS035	Computer Science and Engineering	Kankana Datta	कण्कणा डट्ट	Design and Implementation of Robust Data Hiding Strategies utilizing Digital Image	09.07.2025
84	16CE1311	NITD/PhD/CE/2018/01062	Civil Engineering	Soumyadip Das	सौम्यदीप दास	Characterization of Pavements Using Acoustic Emission Technique	10.07.2025
85	19BT1108	21RBT036	Biotechnology	Riya Basu	रिया बासू	Investigation of Functional Interconnection Between ARA4 and HY5 in Arabidopsis seedling development	14.07.2025
86	19CE1104	21RCE077	Civil Engineering	Soumya Mukherjee	सौम्य मुखर्जी	Investigation on the Wind-Structure Interaction of Cylindrical Shells for Storage Purpose	25.07.2025
87	19BT1107	21RBT024	Biotechnology	Gaurav Singh	गौरव सिंह	Studies on Bacterial Biotransformation of Lignocellulosic Biomass (LCB) into valuable Lignin Nanoparticles and its Application	28.07.2025
88	19ME1501	21RME055	Mechanical Engineering	Subir Datta	सुबीर दत्ता	Experimental and Numerical Studies on Hot Embossing of Polymer for Different Applications	29.07.2025
89	15CH1106	NITD/PhD/CH/2017/00863	Chemical Engineering	Prantik Mondal	प्रांतिक मंडल	Hydrodynamic Characteristics of Gas-Liquid Two-Phase Flow in a Vertical Pipe	04.08.2025
90	19PH1104	21RPH068	Physics	Supravat Mahata	सुप्रवात महता	Study of B and D Meson Decays in Beyond Standard Model	04.08.2025
91	16CY1502	NITD/PhD/CY/2017/00996	Chemistry	Soumita Mukherjee	सौमिता मुखर्जी	The Molecular Dynamics simulation studies on Thyroid Hormone Receptor	05.08.2025

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92	20PH1505	22RPH011	Physics	Ankita Dawn	अंकिता डॉन	Investigation on the Environmental Radioactivity Profile of the Asansol-Durgapur Industrial Zone and Bakreswar Hot Spring by Experimental Techniques and Statistical Approaches	06.08.2025
93	19CS1110	21RCS058	Computer Science and Engineering	Pritisha Sarkar	प्रीतिशा सरकार	Air Quality: Sensing, Monitoring and Characterization	07.08.2025
94	18CE1509	19RCE024	Civil Engineering	Goutam Sarkar	गौतम सरकार	Analytical and Numerical Analyses of Free Spanning Offshore Pipelines Considering Pipe-Soil Interaction	08.08.2025
95	16PH1302	NITD/PhD/PH/2018/01002	Physics	Manas Kumar Mandal	मनस कुमार मंडल	Investigation of Electrocatalytic Performance of Bimetallic Nano-catalysts for Borohydride and Glucose Fuel Cell Application	11.08.2025
96	21HS1103	22RHS067	Humanities and Social Sciences	Shibu Gorai	शिबु गराइ	Cultural Representations of the (Dis)ability Discourse: Unravelling the Embodied Trajectories of Women with Disabilities in Select Indian Disability Life Writings	20.08.2025
97	20MA1501	22RMA022	Mathematics	Biswajit Some	बिस्वजीत सोमै	Applications of Graph Invariants in Uncertain Environment	21.08.2025
98	16CE1502	NITD/PhD/CE/2018/01014	Civil Engineering	Saikat Suvra Mondal	सैकत शुभ्र मंडल	Active, Passive Control and Dynamic Stability of Nonlinear Flexible Systems	29.08.2025
99	19PH1102	21RPH074	Physics	Chandan Kumar Raul	चन्दन कुमार राउल	Development of Multiwalled Carbon Nanotube Based Nanocomposites with Enhanced Dielectric and Electrocatalytic Performance for Energy Applications	01.09.2025
100	19BT1109	21RBT037	Biotechnology	Abhideep Pal	अभिदीप पल	Investigation of the concerted role of MYB4 and HY5 in Arabidopsis seedling development	09.09.2025
101	18CS1506	21RCS070	Computer Science and Engineering	Ranadeep Dey	रनदीप डे	Design and Development of Energy Efficient Wireless Sensor Networks: Computational Intelligence Approaches	11.09.2025
102	16IT1302	NITD/PhD/CS/2018/01050	Computer Science and Engineering	Arindam Chowdhury	अरिंदम चौधुरी	Design of Machine Learning-based Glaucoma Detection Systems from Fundus Camera Images for Eyecare	11.09.2025
103	19EE1502	22REE101	Electrical Engineering	Niti Rani	निति रानी	Design and Analysis of Polarization-Insensitive Metamaterial Absorber for Different Applications	11.09.2025
104	19BT1104	21RBT056	Biotechnology	Arpita Halder	अर्पिता हालदार	Development of Ultrashort Peptides with Broad Spectrum Anti-bacterial Properties	15.09.2025
105	16CS1101	NITD/PhD/CS/2017/00983	Computer Science and Engineering	Dipak Kumar	दीपक कुमार	Some Studies of Constrained and Unconstrained Face Recognition using Evolutionary and Ensemble Systems	22.09.2025
106	20CE1104	22RCE080	Civil Engineering	Bittu Ghosh	बिट्टू घोष	Exploration of the construction practices in the transportation sector to enhance productivity and profitability using Building Information Modeling	24.09.2025
107	20MS1501	22RMS062	Management Studies	Krishna Roy	कृष्णा रॉय	Three Essays on eWOM: Antecedents, Measure & Impact	25.09.2025
108	18CH1103	20RCH0021	Chemical Engineering	Joyeeta Bose	जयीता बोस	Advanced PVDF and Cellulose Acetate Nanocomposite Membranes for Efficient Desalination and Textile Dye Wastewater Treatment	25.09.2025