

**NATIONAL INSTITUTE OF TECHNOLOGY DURGAPUR**

**INDIA**

**18TH CONVOCATION**

**DATE OF CONVOCATION : TWENTY SECOND DAY OF OCTOBER, TWO THOUSAND AND TWENTY TWO**

**LIST OF PHD DEGREE RECIPIENTS- AS RECOMMENDED BY THE SENATE OF THE INSTITUTE TILL DATE (LOT#2)**

SL. NO.	Registration No.	Programme	Department	Name of the Degree Recipient	Title of the thesis	Date of Defense Seminar
21	NITD/PhD/MA/2016/00710	Doctor of Philosophy	Mathematics	Sanghamitra Dey	Some fuzzy inference techniques and their applications to different fields	13.01.2022
22	NITD/PhD/ECE/2013/00406	Doctor of Philosophy	Electronics and Communication Engineering	Arghya Guchhait	Communication and RADAR Technology Convergence for Intelligent Transportation System	23.03.2022
23	NITD/PhD/ECE/2013/00404	Doctor of Philosophy	Electronics and Communication Engineering	Mrinmoy Sarkar	Study of Different Performance Enhancement Technique in Communication System Exploring New Dimensions	30.03.2022
24	NITD/PhD/CS/2018/01038	Doctor of Philosophy	Computer Science and Engineering	Sumana De	Knowledge Management Systems for Problem Detection and Diagnosis	04.04.2022
25	NITD/PhD/ECE/2016/00831	Doctor of Philosophy	Electronics and Communication Engineering	Subhankar Shome	Phased MIMO Radar in Hostile Environment	06.04.2022
26	NITD/PhD/CE/2018/01005	Doctor of Philosophy	Civil Engineering	Subhrasmita Majumder	Structural Behaviour of RC Beams and Beam-Column Joints Strengthened with Geosynthetic Material	13.04.2022
27	NITD/PhD/ME/2018/01027	Doctor of Philosophy	Mechanical Engineering	Ananda Rabi Dhar	Development of Metaheuristic Algorithms tuned Artificial Intelligence-based Models for Prediction and Optimization of Process Parameters of Metal Additive Manufacturing	16.04.2022
28	NITD/PhD/MT/2015/00686	Doctor of Philosophy	Metallurgical and Materials Engineering	Krishnan Bandyopadhyay	Molecular Dynamics and Finite Element Method based Modelling and Simulations of Nanoparticles and Nanocomposites for Advanced Structural Applications	19.04.2022
29	NITD/PhD/BT/2017/00972	Doctor of Philosophy	Biotechnology	Atrayee Sarkar	RNAi-mediated Resistance to Rice Blast Fungus: Transformative and Non-Transformative Approaches	20.04.2022
30	NITD/PhD/MME/2017/00856	Doctor of Philosophy	Metallurgical and Materials Engineering	Prosanta Biswas	Development and micromechanics of in-situ Al-Mg <sub>2</sub> Si Composites	29.04.2022
31	NITD/PhD/MA/2018/01082	Doctor of Philosophy	Mathematics	Palash Sahoo	Some Real Life Decision Making Problems in Different Imprecise Environment	29.04.2022
32	NITD/PhD/ME/2016/00779	Doctor of Philosophy	Mechanical Engineering	Pabitra Kr. Mandal	Experimental and Numerical Investigation on Optimum Orientation of Fin Arrayed Heat Sinks	06.05.2022
33	19RCY011	Doctor of Philosophy	Chemistry	Tithli Sadhu	Improvement of Nutritional Quality of Fish during Conventional Frying Process: A Novel Approach Using Artificial Intelligence	10.05.2022
34	NITD/PhD/HS/2016/00721	Doctor of Philosophy	Humanities and Social Sciences	Anita Nandi	Risk Assessment and Corporate Profiling: An Empirical Study of Selected Sectors in India	16.05.2022
35	19RHS025	Doctor of Philosophy	Humanities and Social Sciences	Sarmistha Bhaumik	Women Empowerment and Development through Women Run Police Stations in West Bengal	19.05.2022
36	NITD/PhD/CS/2018/01021	Doctor of Philosophy	Computer Science and Engineering	Mahabub Hasan Mahalat	Design and Analysis of Light Weight Physically Unclonable Function (PUF) Targeting Cost Effective Hardware Security	25.05.2022
37	NITD/PhD/HS/2018/01067	Doctor of Philosophy	Humanities and Social Sciences	Kabita Mondal	Foregrounding Social, Moral and Psychodynamic Perspectives of Empathy: A Critical Study of Select Indian Graphic Narratives	27.05.2022
38	20RCE002	Doctor of Philosophy	Civil Engineering	Biplab Behera	Seismic Performance of Masonry Structure with Geogrid Reinforcement	30.05.2022
39	NITD/PhD/EC/2018/01052	Doctor of Philosophy	Electronics and Communication Engineering	Chiradeep Mukherjee	Implementation of Irreversible and Reversible Circuits using Layered T Methodology to Design High Performance Digital Logic Circuits Based on Quantum Cellular Automata (QCA)	30.05.2022
40	NITD/PhD/MS/2013/00454	Doctor of Philosophy	Management Studies	Sujata Bose	A Study on Workplace Adaptability: An Indian Perspective	31.05.2022
41	NITD/PhD/MA/2016/00820	Doctor of Philosophy	Mathematics	Sukhendu Bera	Mathematical Models of Some Decision Making Problems in Uncertain Environments	10.06.2022
42	20RMA001	Doctor of Philosophy	Mathematics	Saikat Roy	Birkhoff-James Orthogonality in the Geometry of Banach Spaces and Some Related Topics	22.06.2022
43	NITD/PhD/MS/2018/01077	Doctor of Philosophy	Management Studies	Avijit Sarkar	Strategy for Dairy Development in West Bengal, India	27.06.2022
44	NITD/PhD/ChE/2014/00468	Doctor of Philosophy	Chemical Engineering	Manish Chandra Kannaujiya	Development of a suitable treatment system for hazardous Leather Industry dye (Acid Yellow 2GL) removal from simulated wastewater	27.06.2022
45	19RCH005	Doctor of Philosophy	Chemical Engineering	Wasi Ur Rahman	Experimental Investigation on Catalytic Transesterification of Natural Feedstocks towards Biodiesel Production	30.06.2022
46	19RMA031	Doctor of Philosophy	Mathematics	Ashis Bera	Results on some contractions and nonexpansive mappings with applications	18.07.2022

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47	NITD/PhD/PH/2015/00595	Doctor of Philosophy	Physics	Hrishikesh Mondal	Studies on Ring Oscillator and its Applications in Communication Systems	21.07.2022
48	19RCH015	Doctor of Philosophy	Chemical Engineering	Bisheswar Karmakar	Biodiesel Production from Non- Edible and Waste oils through Catalyzed and Superheated Uncatalyzed Approaches	22.07.2022
49	NITD/PhD/HS/2018/01016	Doctor of Philosophy	Humanities and Social Sciences	Sourav Paul	Secularism and Islam: Friction in the Post 9/11 Fictions by Muslim Writers	27.07.2022
50	NITD/PhD/MM/2018/01023	Doctor of Philosophy	Metallurgical and Materials Engineering	Ritwik Das	Study on the Mechanical Working of Blast Furnace Flue Dust – Iron Oxide – Graphite Composite Briquette Made with Fly Ash as a Binder	28.07.2022
51	NITD/PhD/CY/2017/00923	Doctor of Philosophy	Chemistry	Sourav Chatterjee	Chemistry of Various p and d Block Metal Complexes of Schiff bases Having Different N, O Donor Sites: Catalytic and Sensor Applications	28.07.2022
52	NITD/PhD/CS/2017/00934	Doctor of Philosophy	Computer Science and Engineering	Soma Debnath	A Deep Learning Approach to Recognize the Compositional Aspect of Different Lines and Shapes in a Photograph	29.07.2022
53	NITD/PhD/CH/2014/00523	Doctor of Philosophy	Chemistry	Swapnadip Roy	Development and Photophysical Study of Fluorescein Based Fluorescent Sensors and their Different Applications	03.08.2022
54	NITD/PhD/CS/2017/00876	Doctor of Philosophy	Computer Science and Engineering	Krishnanu Hazra	Optimal Resource Planning for Situational Information Extraction During Post-Disaster Scenarios	08.08.2022
55	NITD/PhD/PH/2018/01026	Doctor of Philosophy	Physics	Kankana Seal	Investigation on water pollution scenario of Damodar river basin and treatment of organic contaminants in wastewater by the heterogeneous photocatalyst	12.08.2022