

**NATIONAL INSTITUTE OF TECHNOLOGY DURGAPUR**

**15<sup>th</sup> CONVOCATION**

**RECIPIENTS OF PHD DEGREE CERTIFICATE (2018-19)**

**(Updated upto 28th August 2019- Final)**

SI.	REGN. NO	NAME	DEPARTMENT	TITLE OF THE THESIS	DATE
1	NITD/PhD/CH/2015/00676	SHRABONI MUKHERJEE	CHEMICAL ENGINEERING	Experimental Study on Defluoridation of Simulated Wastewater by Biosorption Coupled with Bioremediation in Integrated Column Reactor	27.11.2018
2	NITD/PhD/CY/2016/00730	ABHRANIL DE	CHEMISTRY	Synthesis, Structural Characterization and Materialistic Aspects of Some Transition Metal Complexes with Different (N,N) and (N,O) Donor Ligands	03.12.2018
3	NITD/PhD/EE/2015/00598	DIPAK KUMAR MISHRA	ELECTRICAL ENGINEERING	Development of UHF Sensor Based Techniques for Detection and Localization of Partial Discharge Sources in High Voltage Power Systems	12.12.2018
4	NITD/PhD/CHE/2015/00586	SOUMYA BANERJEE	CHEMICAL ENGINEERING	Experimental Study on Chromium (VI) Removal from Simulated Coal Mine Waste Water using Integrated Approach	17.12.2018
5	NITD/PhD/ME/2015/00673	MANOJ KUNDU	MECHANICAL ENGINEERING	Theoretical Investigation of Non Linear Dynamic Stability of Flexibly Supported Finite Flexible Oil Journal Bearing Including Variable Viscosity Effect	18.12.2018
6	NITD/PhD/MS/2014/00495	MANVENDRA PRATAP SINGH	MANAGEMENT STUDIES	Sustainable Management Strategies for Micro Small and Medium Enterprises	19.12.2018
7	NITD/PhD/EC/2016/00699	PRASIT KUMAR BANDYOPADHYAY	ELECTRONICS & COMMUNICATION ENGINEERING	Studies on Large-Signal and Noise Properties of DDR IMPATT Diodes: Effect of Reduced Ionization Rate of Charge Carriers Due to Carrier-Carrier Interactions	21.12.2018
8	NITD/PhD/CY/2016/00701	INDRANI THAKUR (MUKHERJEE)	CHEMISTRY	Synthesis of Low-Dimensional Transition Metal Oxides and the Study of their Catalytic Activities for the Detoxification of Environmental Contaminants	11.01.2019
9	NITD/PhD/ECE/2014/00473	DEBASIS MANDAL	ELECTRONICS & COMMUNICATION ENGINEERING	Beam Synthesis of Concentric Ring Array and Hexagonal Array Geometries Using Evolutionary Algorithms	11.01.2019
10	NITD/PhD/ME/2015/00639	PARIMAL SHARAD BHAMBARE	MECHANICAL ENGINEERING	A Study on Solar Thermal Desalination System	11.01.2019
11	NITD/PhD/CSE/2016/00723	ADITI KHANRA	COMPUTER SCIENCE & ENGINEERING	Traveling Salesman Problem in Different Environments Using Hybrid Evolutionary Computing Algorithms	11.01.2019
12	NITD/PhD/MME/2012/00347	NIVEDITA DUTTA (CHOWDHURY)	METALLURGICAL AND MATERIALS ENGINEERING	Characterisation with an Emphasis on Electrochemical Behaviour of High Copper Dental Amalgam	22.01.2019
13	NITD/PhD/ECE/2013/00441	RAJESH BERA	ELECTRONICS & COMMUNICATION ENGINEERING	Synthesis of hybrid antenna arrays using evolutionary optimization techniques	05.02.2019
14	NITD/PhD/ECE/2015/00615	BIJOY KUMAR MANDAL	ELECTRONICS & COMMUNICATION ENGINEERING	Discrete Breathers in Split-Ring Resonators based Nonlinear Metamaterials	15.02.2019
15	NITD/PhD/HSS/2012/00369	ALOKE KHALI	DEPARTMENT OF HUMANITIES & SOCIAL SCIENCES (IN MANAGEMENT)	Diaspora and Economic Development of Homeland: A Tale of two Countries: India and China	25.02.2019

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16	NITD/PhD/EES/2014/00494	SUDIPTO BANERJEE	EARTH AND ENVIRONMENTAL STUDIES	Reappraisal of depositional setting of Upper Barakar coal bearing strata from Raniganj Basin, India - a sedimentological, ichnological and coal petrographic approach	27.02.2019
17	NITD/PhD/PH/2014/00533	SUBRATA BISWAS	PHYSICS	Synthesis, Optical and Nonlinear Optical properties of Some Silver Metal Nanostructures	06.03.2019
18	NITD/PhD/BT/2012/00366	AJOY ROY	BIOTECHNOLOGY	Assessment of Microbial Communities and their Bioremediation Potential in Petroleum Contaminated Sludge from Oil Refinery	8.03.2019
19	NITD/PhD/BT/2016/00763	SAGARIKA DEEPTHY T	BIOTECHNOLOGY	Assessment of Human Epidermal growth factor Receptor 2(HER2) biomarker, in respect to breast cancer detection and treatment	12.03.2019
20	NITD/PhD/ME/2015/00638	PRADEEP KUMAR KRISHNAN	MECHANICAL ENGINEERING	Investigation into the Effects of Stirrer Design on Reinforcement Particle Distribution during MMC Production	15.03.2019
21	NITD/PhD/MA/2016/00764	SK. ARIF AHMED	MATHEMATICS	Analysis of Motion Trajectory in Visual Surveillance	16.03.2019
22	NITD/PhD/M/2013/00452	JOTINDRA NATH ROUL	MATHEMATICS	On Some Optimal Control Problems in Uncertain Environments	18.03.2019
23	NITD/PHD/CS/2016/00742	SAIBAL MAJUMDER	COMPUTER SCIENCE & ENGINEERING	Some Network Optimization Models under Diverse Uncertain Environments	25.03.2019
24	NITD/PhD/CE/2014/00504	B. NEETHU	CIVIL ENGINEERING	Seismic Vibration Control Techniques for Bridges using MR Dampers	27.03.2019
25	NITD/PhD/BT/2013/00435	SIDDHARTHA PAL	BIOTECHNOLOGY	Diversity and Metabolic Potential of Indigenous Microorganisms in Petroleum Contaminated Sludge from Oil Field: Prospects for Bioremediation	01.04.2019
26	NITD/PhD/CS/2015/00660	MOUMITA PRADHAN	COMPUTER SCIENCE & ENGINEERING	Optimization of Economic Load Dispatch and Short Term Hydro Thermal Scheduling Using Grey Wolf Optimization and Krill Herd Algorithm	04.04.2019
27	NITD/PhD/CHE/2015/00643	SUMIT HANSAPAL DHAWANE	CHEMICAL ENGINEERING	Experimental Investigation on Transesterification of Non-edible Oil Employing Biocatalyst and Indigenously Developed Carbon supported Chemical Catalysts	08.04.2019
28	NITD/PhD/ME/2016/00835	DEEKSHA PORWAL	MECHANICAL ENGINEERING	Combined Nanoindentation and Finite Element Modeling of Elastoplastic Solids	13.04.2019
29	NITD/PhD/ECE/2015/00644	APARNA KUNDU	ELECTRONICS & COMMUNICATION ENGINEERING	Compact Microstrip Antenna for WLAN/Wi-Max Applications	15.04.2019
30	NITD/PhD/IT/2015/00588	BIKASH CHOUDHURY	COMPUTER SCIENCE & ENGINEERING	An Efficient Service Oriented Middleware for SOC in Mobile Ad Hoc Network	19.04.2019
31	NITD/PhD/CA/2014/00486	PRASENJIT BANERJEE	COMPUTER SCIENCE & ENGINEERING	A Study on Design specification for component-based software System	19.04.2019

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32	NITD/PhD/CA/2014/00546	SHREYA BANERJEE	COMPUTER SCIENCE & ENGINEERING	Ontology Driven Domain Specific Software Design	24.04.2019
33	NITD/PhD/ME/2016/00824	GOUTAM KHANKARI	MECHANICAL ENGINEERING	Thermodynamic Analysis and Performance Improvement of Coal-fired Thermal Power Plants	26.04.2019
34	NITD/PhD/CE/2014/00578	SURAJIT GHOSH	CIVIL ENGINEERING	Improving Reservoir Storage Monitoring using Retracked Water Level Derived from SARAL/Altika data	06.05.2019
35	NITD/PhD/PH/2016/00738	AMIT KUMAR DAS	PHYSICS	Development and Characterization of Polymer-Nanocomposites for Enhancing Dielectric Properties	07.05.2019
36	NITD/PhD/ECE/2013/00405	MITHUN CHAKRABORTY	ELECTRONICS & COMMUNICATION ENGINEERING	Radar Communication based Novel Approach for next Generation Transportation Systems	13.05.2019
37	NITD/PhD/ME/2015/00667	KARTIK CHANDRA GHOSH	MECHANICAL ENGINEERING	Steady State Performance and Dynamic Stability Analysis of Finite Flexible Oil Journal Bearing Including Fluid Inertia Effect	14.05.2019
38	NITD/PhD/MA/2016/00787	HARESH KUMAR SHARMA	MATHEMATICS	Attribute Selection and Decision-making using Rough set Theory	17.05.2019
39	NITD/PhD/PH/2016/00739	ROHININANDAN JANA	PHYSICS	Anomalous Electrical Transport Properties of Disordered Solids at Low Temperature	17.05.2019
40	NITD/PhD/PH/2017/00846	BIBEKANANDA MANNA	PHYSICS	Studies of Exact Solutions and Cosmological Model Based on Einstein-Cartan Theory	03.06.2019
41	NITD/PhD/IT/2015/00680	ABHIJIT ADHIKARI	COMPUTER SCIENCE & ENGINEERING	A Framework for Measuring the Semantic Relatedness between Concepts	06.06.2019
42	NITD/PhD/CY/2016/00731	SUBRATA DAS	CHEMISTRY	Synthesis, Spectroscopic Characterization and Biological Reactivities of some Transition Metal Complexes with Different Polydentate Chelators	07.06.2019
43	NITD/PhD/MA/2016/00786	PRAMOD KUMAR MAURYA	MATHEMATICS	Efficient authentication protocols design for security and privacy in RFID systems	10.06.2019
44	NITD/PhD/M/2013/00413	MAUPARNA NANDAN	MATHEMATICS	A study on some collective phenomena in coupled nonlinear dynamical systems	12.06.2019
45	NITD/PhD/CE/2012/00336	MRIGANKA SEKHAR MUKHOPADHYAY	CIVIL ENGINEERING	Aerobic Biological Treatment of Effluent Emanated from a Typical Small-Scale Bulk Drug Industry in Indian Context and Identification of the Dominant Species Attributable for Degrading concerned Organics	13.06.2019
46	NITD/PhD/CSE/2015/00580	DINESH KUMAR PRADHAN	COMPUTER SCIENCE & ENGINEERING	Dynamics of Citation Collaboration Network	17.06.2019
47	NITD/PhD/CHE/2014/00467	MOUMITA HAZRA	CHEMICAL ENGINEERING	Development, Characterization and Optimization of Novel Drug Delivery System against Degenerative Diseases through Statistical Modeling'	21.06.2019

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48	NITD/PhD/ME/2015/00679	VENKATA NAGA LAKSHMI DURGA	MECHANICAL ENGINEERING	Development and Testing of Solar Dryers with Integrated Thermal Energy Storage for Drying of Medicinal Herbs and High value Agricultural Products	24.06.2019
49	NITD/PhD/MS/2011/00302	SUKANTA MAJI	MANAGEMENT STUDIES	An Empirical Quest for Understanding Various Aspects of Pre-Owned Car Purchase Motivation	05.07.2019
50	NITD/PhD/IT/2015/00663	VIKASH KUMAR SINGH	COMPUTER SCIENCE & ENGINEERING	On the Study of Crowdsourcing, Participatory Sensing and its Applications to Healthcare	05.07.2019
51	NITD/PhD/CSE/2013/00399	MD ALAMGIR HASSAIN	COMPUTER SCIENCE & ENGINEERING	Human Activity Tracking and Analysis for Visual Surveillance	10.07.2019
52	NITD/PhD/CS/2015/00684	RUDRA PRATAP OJHA	COMPUTER SCIENCE & ENGINEERING	Modeling and Performance Analysis of Wireless Sensor Network	11.07.2019
53	NITD/PhD/EES/2013/00450	SUBHAS ADAK	EARTH AND ENVIRONMENTAL STUDIES	GIS-based land Resource Evaluation and Management for Agricultural Sustainability in an Effected area of Coal-Fired Thermal Power Plant	16.07.2019
54	NITD/PhD/PH/2015/00693	DHOUMENDRA MANDAL	PHYSICS	Studies on All-Optical Conventional and Reversible Logic Processors	25.07.2019
55	NITD/PhD/ME/2014/00517	ANUP KUMAR	MECHANICAL ENGINEERING	Performance Analysis of Solar Air Heater Having Twisted Rib as Artificial Roughness over the Absorber Plate	26.07.2019
56	NITD/PhD/CE/2016/00747	MOHAMED AHMED GALAL	CIVIL ENGINEERING	A Study of Progressive Collapse of Steel-Concrete Composite Buildings under Blast Loading	29.07.2019
57	NITD/PhD/EE/2015/00621	TAPAS KUMAR MAJI	ELECTRICAL ENGINEERING	Priority based Multi-phase Phasor Measurement Unit Placement using Soft-Computing Techniques for Smart Grid Implementation	31.07.2019
58	NITD/PhD/CS/2015/00652	SRINIVASAN A	COMPUTER SCIENCE & ENGINEERING	Studies and Analysis of Brain MR Images for Classification and Detection of Some Neurodegenerative Diseases	05.08.2019
59	NITD/PhD/EE/2015/00671	TUSHNIK SARKAR	ELECTRICAL ENGINEERING	Study on the Dynamics of Solar Wind Speed & Terrestrial Wind Speed using Statistical Signal Processing Approach	06.08.2019
60	NITD/PhD/MS/2014/00570	MALAY BHATTACHARJEE	MANAGEMENT STUDIES	Role of Product Information on Purchase of Consumer Durables - A competitive Study of Low Literacy Urban Consumers in the City of Kolkata	07.08.2019
61	NITD/PhD/EE/2014/00773	INDRAYUDH BANDYOPADHYAY	ELECTRICAL ENGINEERING	Incipient Fault Detection in 3-Phase Induction Motor Inverter Drive using Novel Signal Processing and Data Classification Tools	09.08.2019
62	NITD/PhD/EE/2014/00530	BIPLAB SATPATI	ELECTRICAL ENGINEERING	Model Based Control Framework for Pneumatic Conveying and Drying Process	14.08.2019
63	NITD/PhD/CE/2016/00788	SUMANTA RAKSHIT	CIVIL ENGINEERING	Performance Evaluation of Clayey Soil as Primary Landfill Liner Material for Containment of Phenol and Chromium Laden Wastes	16.08.2019

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64	NITD/PhD/MA/2016/00708	ANINDITA KUNDU	MATHEMATICS	Some Inventory Models for Deteriorating/Breakable Items in different Environments	19.08.2019
65	NITD/PhD/PH/2014/00507	MAHASWETA BANERJEE	PHYSICS	Study on the Structural, Electrical and Magnetic Properties of doped Multiferroic Nanoparticles	20.08.2019
66	NITD/PhD/CHE/2014/00554	SUSHOVAN SEN	CHEMICAL ENGINEERING	Phycoremediation of Cr(VI) from wastewater	21.08.2019
67	NITD/PhD/ME/2013/00427	SIBENDRA KUMAR GARAI	MECHANICAL ENGINEERING	Investigation on Fluid Flow and Heat Transfer of Solar Air Heater Having Artificially Roughened Absorber Plate	22.08.2019
68	NITD/PhD/MME/2014/00560	AATREYEE SARKAR	METALLURGICAL AND MATERIALS ENGINEERING	Carbon based Metal Sulfide hybrid nanostructures for Energy storage and harvesting: from Synthesis to Applications	22.08.2019
69	NITD/PhD/CS/2013/00400	SUBHENDU BARAT	COMPUTER SCIENCE & ENGINEERING	Studies on Multicast Routing and Wavelength Assignment in WDM Optical Networks	23.08.2019
70	NITD/PhD/CS/2015/00650	RAVI KANT KUMAR	COMPUTER SCIENCE & ENGINEERING	ESTIMATING THE ATTENTION OF FACES THROUGH VISUAL SALIENCY	28.08.2019
71	NITD/PhD/CHE/2013/00442	PRASENJIT CHAKRABORTY	CHEMICAL ENGINEERING	A Study on sorptive Elimination of Ibuprofen from Simulation Pharmaceutical Wastewater by Waste Biomass	28.08.2019
72	NITD/PhD/ECE/2014/00567	PARTHA SARATHI PAL	ELECTRONICS & COMMUNICATION ENGINEERING	Efficient Non-linear System Identification Schemes using Evolutionary Optimization Techniques	27.08.2019
73	NITD/PhD/CY/2014/00527	SOHINI GUHA THAKURATA	CHEMISTRY	Assessment of Chemical and Physio-Chemical Properties of Micro and Macro Algal Lipids for Biodiesel Production	23.08.2019
74	NITD/PhD/ME/2012/00334	DILIP KUMAR ADHWARJEE	MECHANICAL ENGINEERING	Optimization in Assembly Line Balancing Problem	22.08.2019
75	NITD/PhD/ME/2015/00675	ASHOK KUMAR BANDYOPADHYA	MECHANICAL ENGINEERING	Non-Linear Dynamic Stability Analysis of Flexibly Supported Finite oil Journal Bearing Considering Combined Effect of Fluid Inertia and Surface Roughness	23.08.2019
76	NITD/PhD/CS/2015/00592	PRIYANKA DAS	COMPUTER SCIENCE & ENGINEERING	Model-wide Solutions to the Issues of Routing and Energy in Delay Tolerant Network	26.08.2019
77	NITD/PhD/ECE/2014/00569	SOUMEN MALLICK	ELECTRONICS & COMMUNICATION ENGINEERING	Optimal Sizing and Design of Analog CMOS Circuits Using Evolutionary Optimization Techniques	24.08.2019
78	NITD/PhD/ME/2012/00375	P. ANITHA	MECHANICAL ENGINEERING	Experimental Investigation on Rotary Friction welding of Dissimilar Joints	27.08.2019
79	NITD/PhD/HSS/2016/00728	INDRAJIT PATRA	DEPARTMENT OF HUMANITIES & SOCIAL SCIENCES ( <b>IN ENGLISH</b> )	Posthumanism and Transhumanism in the 21st Century Dystopian Science Fiction	27.08.2019