



**National Institute of Technology Durgapur, India**

(Institute of National Importance under  
Ministry of Human Resource Development of India)

## List of Degree Recipients - Ph.D Program

SL. NO.	REGN. NO	DEGREE	DEPARTMENT	CANDIDATES	TITLE OF THE THESIS	DATE OF AWARD
1	NITD/PHD/ MS/2012/ 00393	DOCTOR OF PHILOSOPHY	MANAGEMENT STUDIES	MALINI NANDI MAJUMDAR	Stress in Police Personnel: A Study on Occurrences, Consequences within West Bengal Police Service and coping Strategies	22.03.2017
2	NITD/PHD/ BT/2011/ 00263	DOCTOR OF PHILOSOPHY	BIOTECHNOLOGY	MOUMITA CHAKRABORTY	Investigation of Genetic and Molecular Relationship between ZBF1/MYC2 and HY5 in Arabidopsis Seedling Development	27.03.2017
3	NITD/PHD/ CHE/2014/ 00490	DOCTOR OF PHILOSOPHY	CHEMICAL ENGINEERING	ANAMICA BHATTACHARYA	Studies on the Production of Xylitol from Lignocellulosic Biomass	04.04.2017
4	NITD/PHD/ CHE/2011/ 00301	DOCTOR OF PHILOSOPHY	CHEMICAL ENGINEERING	SANKHA CHAKRABORTTY	A Techno-Economic Feasibility Study in Developing and Implementing Arsenic and Fluoride Abatement Technology	12.04.2017
5	NITD/PHD/ BT/2011/ 00272	DOCTOR OF PHILOSOPHY	BIOTECHNOLOGY	AMITKUMAR SAMANTA	Characterization and Optimization of Pigment Production from an Isolated Bacterial Strain	02.05.2017
6	NITD/PHD/ EE/2014/ 00484	DOCTOR OF PHILOSOPHY	ELECTRICAL ENGINEERING	ARNAB GHOSH	Some Aspects on Dynamics and Control of DC-DC Switch Mode Power Converters	09.05.2017
7	NITD/PHD/ BT/2013/ 00410	DOCTOR OF PHILOSOPHY	BIOTECHNOLOGY	RASHMI PRIYADARSHINEE	Studies on Biodelignification to Improve the Pulp Quality and Minimize the Generation of Genotoxic Effluents	20.05.2017
8	NITD/PHD/ CHE/2013/ 00428	DOCTOR OF PHILOSOPHY	CHEMICAL ENGINEERING	AMRITHA AJEEJ	Studies on Bio-Augmentation of Biogas Production through Co-Digestion of Municipal Sewage with Algal Sludge and Waste Paper	19.05.2017
9	NITD/PHD/ CHE/2008/ 00119	DOCTOR OF PHILOSOPHY	CHEMICAL ENGINEERING	R.ANANDHA- KRISHNAN	Comparative Studies on the Hydrodynamics & Gas-Solid Heat Transfer in Uniform & Converging Risers of Dilute Phase Pneumatic Transport Systems	29.05.2017
10	NITD/PHD/ EE/2010/ 00228	DOCTOR OF PHILOSOPHY	ELECTRICAL ENGINEERING	NASIM ALIKHAN	Development of a New Load Flow Method and Optimization of Power Flow for the Radial Distribution Systems using Evolutionary Techniques	29.05.2017
11	NITD/PHD/ ME/2011/ 00304	DOCTOR OF PHILOSOPHY	MECHANICAL ENGINEERING	BISWAJIT BERA	Tribological Study on Adhesive Micromechanical Surface Contact	02.06.2017

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12	NITD/PHD/EE/2014/00526	DOCTOR OF PHILOSOPHY	ELECTRICAL ENGINEERING	DIPAYAN GUHA	Load Frequency Control of Linear and Non- Linear Based Multi-Area Power Systems using Various Evolutionary Algorithms	28.06.2017
13	NITD/PHD/HSS/2013/00424	DOCTOR OF PHILOSOPHY IN MANAGEMENT	HUMANITIES & SOCIAL SCIENCES	JOY CHAKRABORTY	Effects of Deregulation on the Efficiency, Productivity and Financial Performance of Indian Life Insurance Companies	28.06.2017
14	NITD/PHD/HSS/2013/00421	DOCTOR OF PHILOSOPHY IN MANAGEMENT	HUMANITIES & SOCIAL SCIENCES	SARMISTHA AGASTI	Consumer Welfare, Consumer Protection and Role of Grievance Redressal in Retail Sector -A Study of Kolkata Municipal Area	30.06.2017
15	NITD/PHD/IT/2013/00418	DOCTOR OF PHILOSOPHY	COMPUTER SCIENCE & ENGINEERING	DEEPANWITA DAS	Distributed Area Coverage by Swarm of Mobile Robots	28.07.2017
16	NITD/PHD/CHE/2014/00461	DOCTOR OF PHILOSOPHY	CHEMICAL ENGINEERING	ANOAR ALIKHAN	Experimental Study on Sequestration of CO <sub>2</sub> from Industrial Flue Gas using	28.07.2017
17	NITD/PHD/CA/2013/00432	DOCTOR OF PHILOSOPHY	COMPUTER SCIENCE & ENGINEERING	FAISAL AHMED	Design of an Architectural Framework for Dynamic Web Services	29.07.2017
18	NITD/PHD/CH/2013/00445	DOCTOR OF PHILOSOPHY	CHEMISTRY	PAROMITA CHAUDHURI	Electron Donor Acceptor Interactions Involving Coal Derived Asphaltenes in Homogeneous and Heterogeneous Media: a Spectroscopic Study	15.09.2017
19	NITD/PHD/CSE/2014/00520	DOCTOR OF PHILOSOPHY	COMPUTER SCIENCE & ENGINEERING	DHANANJOY BHAKTA	A Hierarchical Set of Super Classifiers for Fast Individual Facial Expression Identification	22.09.2017
20	NITD/PHD/CH/2013/00388	DOCTOR OF PHILOSOPHY	CHEMISTRY	RAM CHANDRA MAJI	Modelling Biological Copper Sites Supported by N,S Donor Ligands	03.10.2017
21	NITD/PHD/BT/2008/00118	DOCTOR OF PHILOSOPHY	BIOTECHNOLOGY	SHIV SHANKAR PRASAD	Bio-Degradation and Bio-Decolorization of AZO DYE by Newly Isolated Microorganism Enterobacter Cloacae Strain SXCR	06.10.2017
22	NITD/PHD/ECE/2014/00506	DOCTOR OF PHILOSOPHY	ELECTRONICS & COMMUNICATION ENGINEERING	PRAGNAN CHAKRAVORTY	Novel Techniques in Output Pattern Optimization of Microwave Antennas and Filters	16.10.2017
23	NITD/PHD/PH/2014/00512	DOCTOR OF PHILOSOPHY	PHYSICS	PARTHA SARATHI MUKHERJEE	Electrical Transport Properties of Inorganic and Organic-Inorganic Nanocomposites	27.10.2017
24	NITD/PHD/CH/2013/00387	DOCTOR OF PHILOSOPHY	CHEMISTRY	PIALEE ROY	Application of Some Bio-Polymeric Molecules as Potential Corrosion Inhibitors for Mild Steel in Acidic Media	08.11.2017

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25	NITD/PHD/ CH/2015/ 00590	DOCTOR OF PHILOSOPHY	CHEMISTRY	DHANANJOY DEY	Synthesis Structural Characterisation and Bio- Catalytic Activity of Some Transition Metal Complexes with Different Chelating Ligands	14.11.2017
26	NITD/PHD/ ECE/2014/ 00482	DOCTOR OF PHILOSOPHY	ELECTRONICS & COMMUNICATION ENGINEERING	BINOD PRASAD	Cooperative Relay in Cognitive Radio Networks with Imperfect CSI and Energy Harvesting	15.11.2017
27	NITD/PHD/ CHE/2014/ 00566	DOCTOR OF PHILOSOPHY	CHEMICAL ENGINEERING	PARAG SEN	Environmentally Conscious Manufacturing Programs in Process Industry: Green Management Approach	24.11.2017
28	NITD/PHD/ PH/2013/ 00392	DOCTOR OF PHILOSOPHY	PHYSICS	MRINMOY GOSWAMI	Synthesis and Characterization of Polyaniline/Carbon Nanotubes - Semiconductor nanocomposites	04.12.2017
29	NITD/PHD/ PH/2014/ 00544	DOCTOR OF PHILOSOPHY	PHYSICS	DEBIKA BANERJEE	Phenomenological Implications of Z' Boson in Mixing and Rare Decays of B Hadrons	05.12.2017
30	NITD/PHD/ M/2012/ 00335	DOCTOR OF PHILOSOPHY	MATHEMATICS	SHEIKH AHMED HOSSAIN	Fuzzy Decision Making: An Application to Investment Analysis	05.12.2017
31	NITD/PHD/ ECE/2011/ 00268	DOCTOR OF PHILOSOPHY	ELECTRONICS & COMMUNICATION ENGINEERING	RISHI TODANI	Design of Low Power Area Efficient Switched- Capacitor Circuits in CMOS Technology	08.12.2017
32	NITD/PHD/ CHE/2014/ 00529	DOCTOR OF PHILOSOPHY	CHEMICAL ENGINEERING	JHILLY DASGUPTA	Studies on Dye Removal using Membrane Based Systems and Subsequent Dye Degradation by Means of Visible-Light-Induced Photocatalysis	12.12.2017
33	NITD/PHD/ M/2011/ 00330	DOCTOR OF PHILOSOPHY	MATHEMATICS	GOUR SUNDAR MITRATHAKUR	Intelligent Systems on Manifold Decision Making	15.12.2017
34	NITD/PHD/ CHE/2013/ 00377	DOCTOR OF PHILOSOPHY	CHEMICAL ENGINEERING	JAYATO NAYAK	Process Intensification in Acetic Acid Manufacture from Waste Material	22.12.2017
35	NITD/PHD/ ECE/2012/ 00357	DOCTOR OF PHILOSOPHY	ELECTRONICS & COMMUNICATION ENGINEERING	MADHUMITA SINHA	Studies on ZnO Nanostructures for Gas Sensing Application	26.12.2017
36	NITD/PHD/ BT/2013/ 00409	DOCTOR OF PHILOSOPHY	BIOTECHNOLOGY	AMIT KUMAR VERMA	Anti-Leishmanial effects of Statins and Micronutrients, Exploring the Mechanistic Action	03.01.2018
37	NITD/PhD/ CHE/2014/ 00528	DOCTOR OF PHILOSOPHY	CHEMICAL ENGINEERING	TRIPTI DE	Studies on Synthesis of Biodiesel in Enzyme Fluidised Bed Bioreactors	11.01.2018

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38	NITD/PHD/EE/2012/00373	DOCTOR OF PHILOSOPHY	ELECTRICAL ENGINEERING	PRATAP KUMAR PANIGRAHI	Intelligent Navigation of a Mobile Robot using Soft Computing Techniques	12.01.2018
39	NITD/PHD/BT/2012/00353	DOCTOR OF PHILOSOPHY	BIOTECHNOLOGY	NAZMIARA SABNAM	Functional Analysis of Putative G-Protein Coupled Receptor Genes in Rice Blast Fungus	16.01.2018
40	NITD/PHD/EE/2013/00440	DOCTOR OF PHILOSOPHY	ELECTRICAL ENGINEERING	KARUNAMOY CHATTERJEE	Some Studies on Accuracy Enhancement of Different Electrical and Electronic Measurement and Instrumentation Systems	17.01.2018
41	NITD/PHD/CH/2011/00323	DOCTOR OF PHILOSOPHY	CHEMISTRY	AVRADEEP SAMANTA	Ligand substitution Reaction on Platinum and Palladium (II) Complexes with Bio-Relevant Thiols and Thio-Ethers: Their Kineties, Mechanism and Bioactivity in Aqueous medium	19.01.2018
42	NITD/PHD/M/2011/00296	DOCTOR OF PHILOSOPHY	MATHEMATICS	AMITAVA CHATTERJEE	Modelling of some Decision Making Problems with Uncertainties in Optimization Framework	19.01.2018
43	NITD/PHD/CHE/2014/00470	DOCTOR OF PHILOSOPHY	CHEMICAL ENGINEERING	RITWIK THAKURA	Treatment of Complex Permacetical Wastewater in a New Membrane-Integrated Closed Loop System for Recovery and Reuse	19.01.2018
44	NITD/PHD/MS/2013/00395	DOCTOR OF PHILOSOPHY	MANAGEMENT STUDIES	DEBASIS GHOSH	Determining the Attitude of Indian Young Consumers Towards Online Marketing	14.02.2018
45	NITD/PHD/BT/2013/00384	DOCTOR OF PHILOSOPHY	BIOTECHNOLOGY	SUROJIT BERA	Bio-Prospecting of Dietzia Maris NIT-D, A Carotenoid Producing Bacteriumf from Nutraceutical and Environmental Astect	16.02.2018
46	NITD/PhD/EE/2013/00419	DOCTOR OF PHILOSOPHY	ELECTRICAL ENGINEERING	SANTI GOPAL PAIN	PID Controller Tuning of Load Frequency Control System using Soft Computing Techniques	16.02.2018
47	NITD/PHD/MS/2010/00199	DOCTOR OF PHILOSOPHY	MANAGEMENT STUDIES	ANUPAM GAYEN	Information and Communication Technology (ICT) and E-Business Support for Indian MSMEs	19.02.2018
48	NITD/PhD/CA/2013/00380	DOCTOR OF PHILOSOPHY	COMPUTER SCIENCE & ENGINEERING	AMIT KR MANDAL	Functional Specification of Software as a Service for Data Centric Cloud Applications	21.02.2018
49	NITD/PhD/EE/2014/00501	DOCTOR OF PHILOSOPHY	ELECTRICAL ENGINEERING	NAYAN KUMAR	Modelling and Performance Analysis of Cascaded Two-Level Inverter Based Grid Connected and Stand- Alone Photovoltaic Systems	26.02.2018
50	NITD/PhD/CSE/2014/00577	DOCTOR OF PHILOSOPHY	COMPUTER SCIENCE & ENGINEERING	SOMENATH MUKHERJEE	Development of a Suitable Admission Control Algorithm in Multiclass Wireless Traffic Environment	05.03.2018

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51	NITD/PHD /M/2014 /00549	DOCTOR OF PHILOSOPHY	MATHEMATICS	SACHCHIDA NAND MISHRA	A Study on Fuzzy Graphs and Interval-Valued Fuzzy Graphs	14.03.2018
52	NITD/PHD /ECE/2013 /00466	DOCTOR OF PHILOSOPHY	ELECTRONICS & COMMUNICATION ENGINEERING	BAPPADITTYA ROY	Various effects of substrates in the design of Microstrip Antennas and their applications	16.03.2018
53	NITD/PHD /ME/2010 /00240	DOCTOR OF PHILOSOPHY	MECHANICAL ENGINEERING	SWAPAN BARMAN	Investigation on Geometry and Size Effects in Micro EDM	19.03.2018
54	NITD/PhD /HSS/2012 /00376	DOCTOR OF PHILOSOPHY IN ENGLISH	HUMANITIES & SOCIAL SCIENCES	ADITI BHUNIA CHAKRABORTY	Whose Power is perpetuated at the Expense of Whom: An Exploration into the Linguistic Function of Cultural and Literary Texts in Depiction Gender Images in Bangla	19.03.2018
55	NITD/PHD /MS/2015 /00622	DOCTOR OF PHILOSOPHY	MANAGEMENT STUDIES	SHRUTIKEERTI KAUSHAL	Relationship between Banking, Insurance and Economic Growth in India	21.03.2018
56	NITD/PhD /CSE/2013 /00453	DOCTOR OF PHILOSOPHY	COMPUTER SCIENCE & ENGINEERING	ARINDAM DEY	Some Optimization Problems on Fuzzy Graphs	23.03.2018
57	NITD/PHD /ME/07 /00102	DOCTOR OF PHILOSOPHY	MECHANICAL ENGINEERING	JAGANNATH DE	Modeling of feed drive and spindle bearing system of machine tools	23.03.2018