

Indian Institute of Technology Indore
List of PhD students graduating in 2018-Convocation

S.No.	Roll No.	Discipline	Name (English)	Date of PhD Viva	PhD Thesis Title [Thesis supervisor(s)]
Discipline of Bio Sciences and Biomedical Engineering					
1	1301271002	BSBE	Aparna Rai	16-Dec-17	Network topologies unraveling randomness and preserved patterns in disease complexome (Dr.Sarika Jalan)
2	12127103	BSBE	Camellia Sarkar	9-Feb-18	Structural and spectral analysis of complex biological and social networks (Dr. Sarika Jalan)
Discipline of Computer Science and Engineering					
3	1301201005	CSE	Robin Singh Bhadoria	12-Jan-18	Assessment of Data and Interfacing of Service-Oriented System with Sensors (Prof. N.S. Chaudhari and Dr. Amod C. Umarikar)
4	12120103	CSE	Neha Bharill	15-Jan-18	Investigations in Fuzzy Based Learning Algorithms with Application to Big Data Classification (Dr. Aruna Tiwari)
5	12120101	CSE	Tanveer Ahmed	13-Aug-18	Understanding and Evaluating Human Behavior: An Application of Psychology and Machine Learning (Dr. Abhshek Srivastava)
6	1301201003	CSE	Om Prakash Patel	15-Oct-18	Investigations in Quantum Based Neural Network Learning Algorithms (Dr. Aruna Tiwari)
7	11120101	CSE	Ashish Jain	15-Oct-18	Investigations in Metaheuristic Techniques with Application to Cryptology (Prof. N.S. Chaudhuri)
8	1010104	CSE	Prakash Chandra Sharma	26-Oct-18	Analysis of Graph Coloring Problem Based on Satisfiability and Maximal Independent Set (Prof. N.S. Chaudhari)
Discipline of Electrical Engineering					
9	1301102002	EE	Abhay Upadhyay	8-Nov-17	New methods based on variational mode decomposition for speech signal analysis (Dr. R.B. Pachori)
10	12110208	EE	Shivendra Kumar Pandey	11-Jan-18	Investigations on Ultrafast Electrical Switching Dynamics of In-Sb-Te Phase Change Memory Devices and Their Suitability for Multi-bit Data Storage Applications (Dr. M. Anbarasu)
11	11120203	EE	Pooran Singh	22-Feb-18	Ultra-Low Power High-Stability Robust SRAM Design for FPGA, IoT and Image Processing Applications (Dr. S.K. Vishvakarma)
12	12110209	EE	Smriti Sahu	5-Mar-18	Unravelling the Dynamics of Ultrafast Crystallization and the Evolution of Local Structure In Phase Change Materials (Dr. M. Anbarasu)
13	12120201	EE	E.S.N. Raju P.	26-Apr-18	Development of Control Schemes to Enhance Stability and Dynamic Performance of Islanded Inverter-based Microgrids (Dr. Trapti Jain)
14	12110204	EE	Krishna Dayal Shukla	1-May-18	Exploring the Dynamics of Threshold Switching and Electronic Properties of Ag, In-doped Sb ₂ Te Phase Change Material for Universal Memory (Dr. M. Anbarasu)
15	1301202009	EE	Pankaj Sharma	4-May-18	Doped ZnO Thin Films: Fabrication, Characterizations and Performance Analysis as Ultraviolet Photodetectors (Dr. Shaibal Mukherjee)
16	1401102010	EE	Nupur Navlakha	24-Jul-18	Performance Assessment of Tunneling Based Transistors for Capacitorless Dynamic Memory Applications (Dr. Abhinav Kranti)
17	12120202	EE	Prateek Jain	3-Sep-18	Vehicle-To-Grid and Grid-To-Vehicle: Impact Assessment and Resource Modelling to Enable Grid Support (Dr. Trapti Jain)
18	1301202012	EE	Telagam Setti Sunilkumar	17-Sep-18	One-Dimensional Local Descriptors for Signal Feature Representation (Dr. Vivek Kanhangad)
19	1401202001	EE	Abhijit Bhattacharyya	22-Oct-18	Advanced wavelet transforms based EEG signal processing methods for epilepsy diagnosis (Prof. R.B. Pachori)
Discipline of Mechanical Engineering					
20	1301103007	ME	Naresh Kumar Raghuvanshi	15-Dec-17	Experimental Techniques for the Measurement of Gear Mesh Stiffness (Dr. Anand Parey)
21	1301103010	ME	Vikas Sharma	20-Dec-17	Gearbox Fault Diagnosis under Fluctuating Speed Conditions using Vibration Analysis (Dr. Anand Parey)
22	1301103003	ME	Ankur Saxena	29-Jan-18	Investigation of Mesh Stiffness and Modal Characteristics of Geared Rotor System with Defects (Dr. Anand Parey and Dr. Manoj Chouksey from SGSITS)

23	1301203009	ME	Ram Bihari Sharma	23-Feb-18	Modelling of Acoustic Emission Generated in Spur Gear Pair and Rolling Element Bearing (Dr. Anand Parey)
24	1401103006	ME	Nikam Sagar Hanmant	27-Jun-18	Modeling and Simulation of Micro-Plasma Transferred Arc Deposition Process for Additive Manufacturing (Prof. N.K. Jain)
25	1301203001	ME	Akash K.	13-Jul-18	Investigations on Design and Development of Copper Based Shape Memory Alloy Bimorph and Their Application towards Micro-Robotics and Energy Systems (Dr. I.A. Palani)
26	1301203010	ME	Sawant Mayur Sudhakar	25-Jul-18	Investigations on Additive Manufacturing of Metallic Materials by Micro-plasma Transferred Arc Powder Deposition (Prof. N.K. Jain and Dr. I.A. Palani)
27	1401103005	ME	Jayant Kumar Mohanta	27-Jul-18	Design, Development, Control and Performance Investigations of A Sitting/Lying Type Lower Limb Rehabilitation Robot (Dr. M. Santhakumar)
28	1301203011	ME	Sujeet Kumar Chaubey	13-Aug-18	Investigations on Manufacturing of High Quality Meso-sized Bevel and Helical Gears by Wire Spark Erosion Machining Process (Prof. N.K Jain)
29	1301203008	ME	Rakesh Sharma	14-Aug-18	Experimental Study on Ammonia Sorption of Halide Salts and Thermodynamic Analysis of Ammoniated Halide Salts based Gas-Solid Sorption Systems (Dr. E. Anil Kumar and HOD-ME)
30	1501103003	ME	Vijaybabu T R	27-Aug-18	Numerical Investigation on Flow and Heat Transfer from Porous Bluff Bodies using Lattice Boltzmann Method (Dr. S. Dhinakaran)
31	1301203005	ME	Mayank Modak	27-Aug-18	Heat Transfer Behaviour of Hot Surface by Impinging Jet (Dr. Santosh Kumar Sahu)
32	12120301	ME	Lanjekar Rajan Deorao	5-Sep-18	Experimental and Numerical Spray Characterization of Biofuels and Pure Components (Dr. D.L. Deshmukh)
33	1301103008	ME	Sandeep Kumar	4-Oct-18	Investigating the Value of Integrated Operations Planning Considering Multiple Dependent Shop-floor Functions: Realizing Industry 4.0 (Dr. Bhupesh Kumar Lad)
34	1301203004	ME	Deepak Selvakumar R	5-Oct-18	Modeling of Effective Properties of Nanofluids and Numerical Analysis of Heat Transfer Around a Circular Cylinder (Dr. S. Dhinakaran)
35	1301103001	ME	Amit Kumar Jain	16-Oct-18	Data-Centric Real-Time Integration Of Diagnostics, Prognostics, And Process Quality Control: Realizing Intelligent Manufacturing (Dr. Bhupesh Kumar Lad)
Discipline of Metallurgy Engineering and Materials Science					
36	1401181008	MEMS	Tulika Srivastava	26-Apr-18	Effect of Aliovalent Ion Doping on Structural, Opto-electronic and Sensing Properties of ZnO (Dr. Somaditya Sen and Dr. Parashram Shirage)
37	1401181003	MEMS	Arun Kumar Yadav	6-Sep-18	Structure correlated ferroelectricity and other properties of perovskite PbTiO ₃ -based ceramics (Dr. Somaditya Sen and Dr. P.R. Shirage)
Discipline of Chemistry					
38	12113105	Chemistry	Mriganka Das	6-Nov-17	Studies on Transition Metal Complexes of Flexible Polydentate Schiff Base Ligands (Dr. Suman Mukhopadhyay)
39	11123105	Chemistry	Debashis Majee	15-Nov-17	Exploration of Five-Membered Cyclic Sulfamidate Imines as Nucleophiles in Various Organic Transformations (Dr. Sampak Samanta)
40	1301231006	Chemistry	Ramesh Maragani	30-Nov-17	Design, Synthesis and Characterization of Bisthiazole Based Donor–Acceptor Molecular Systems (Dr. Rajneesh Misra)
41	12113103	Chemistry	Biju Majumdar	31-Jan-18	Development of Carbonaceous Nanomaterial Based Heterogeneous Catalytic Systems for Organic Transformations (Dr. T. K. Sarma)
42	1301131002	Chemistry	Arpan Bhattacharya	4-Apr-18	Spectroscopic Investigation of Protein-Carbon Nanoparticle and Protein-Protein Interactions (Dr. T.K. Mukherjee)
43	12123102	Chemistry	Akbar Mohammad	5-Apr-18	Insights into Simple Metal Complexes to Nanoscale Applications (Dr. Shaikh M. Mobin)
44	1301131004	Chemistry	Indrani Choudhuri	13-Apr-18	Two-Dimensional Carbon/Boron Nitride Based Materials for Spintronics Applications (Dr. Biswarup Pathak)

45	12113108	Chemistry	Soumen Biswas	20-Apr-18	Metal-Free Based One – Pot Approaches to a Novel Class of Substituted Carbazoles, Pyridines and Fused Heterocycles (Dr. Sampak Samanta)
46	12123103	Chemistry	Anoop Kumar Saini	10-May-18	Facile Synthesis of Imine/Azine Based Organic Ligands: Sensing, Bio-Imaging and Solid-State Structural Reactivity (Dr. Shaikh M. Mobin)
47	1301131008	Chemistry	Roopali Prajapati	17-May-18	Investigation of the Mechanism and Dynamics of Resonance Excitation Energy Transfer from Photoexcited Donors to Metal Nanoparticles and Nanoclusters (Dr. Tushar Kanti Mukherjee)
48	1301131005	Chemistry	Kavita Gupta	10-Jul-18	Development of Metal Catalysts for the Transformation of Biomass-derived Furans to Value-added Chemicals (Dr. Sanjay Kumar Singh)
49	12123104	Chemistry	Siva Chiriki	20-Jul-18	Artificial Neural Network Potentials for Studying Structure and Properties of Bare, Doped, and Protected Au Nanoclusters. (Dr. Satya S. Bulusu)
50	12113102	Chemistry	Anuradha	2-Aug-18	Development of domino technique for the synthesis of a novel class of indole derivatives and related scaffolds (Dr. Sampak Samanta)
51	1301131007	Chemistry	Rekha Sharma	7-Sep-18	Design and Synthesis of Donor-Acceptor Truxenes (Prof. Rajneesh Misra)
52	1301231001	Chemistry	Ambikesh Dhar Dwivedi	1-Oct-18	Synthesis, Characterization and Catalytic Activity of Half sandwich Ruthenium(II) Complexes Based on N/N, N/O and O/O Donor Ligands (Dr. Sanjay Kumar Singh)
53	1401131006	Chemistry	Patil Yuvraj Ananda	1-Oct-18	Design and Synthesis of Near-Infrared Absorbing Diketopyrrolopyrroles (Prof. Rajneesh Misra)
54	1301231004	Chemistry	Poulami Mandal	26-Oct-18	Half-sandwich Ruthenium(II)-Arene Complexes as Anticancer Agent (Prof. Suman Mukhopadhyay)
Discipline of Mathematics					
55	1010702	Maths	Istkhari Ali	20-Nov-17	PhD viva to be scheduled, not meeting minimum publication criteria
56	1301141002	Maths	Kotapally Harish Kumar	5-Jan-18	Wavelet Methods for Solving a Class of Nonlinear Differential Equations (Dr. Antony Vijesh)
57	12124102	Maths	Anupam Gumber	17-Jul-18	On the Orthogonality of Frame Pairs Over Locally Compact Abelian Groups (Dr. Niraj Kumar Shukla)
58	1301141003	Maths	Linia Anie Sunny	30-Oct-18	Monotone Iterative Methods for Nonlinear Partial Differential Equations (Dr. V. Antony Vijesh)
Discipline of Physics					
59	12115106	Physics	Priyadarshini Suchismita Behera	27-Nov-17	Exploring Correlation between Local Structure, Magnetic and Transport Properties of Multifunctional Cr-based Chalcospinel (Dr. Preeti A. Bhoje)
60	1401151002	Physics	Amit Kumar Rana	16-Jul-18	Controlled Growth of Zinc Oxide Nanostructures for Multifunctional Applications (Dr. Parasharam M. Shirage)
61	12115104	Physics	Pooja Pareek	25-Jul-18	Measurement of Neutral Pion and Eta Mesons in Proton+Proton Collisions with ALICE at the Large Hadron Collider (Dr. Raghunath Sahoo)
62	1401251011	Physics	Suryakant Mishra	3-Sep-18	Designing Nanostructures for Application in Electronic Devices (Dr. Rajesh Kumar and Dr. P.R. Sagdeo)
63	1401251007	Physics	Priyanka Yogi	29-Oct-18	Fabrication and Spectroscopic studies of low dimensional silicon (Dr. Rajesh Kumar and Dr. J. Jayabalan, RRCAT)
School of Humanities and Social Sciences					
64	12116101	HSS (Economics)	Ab Qayoom Khachoo	2-Jan-18	FDI Spillovers on Innovation and Productivity: Evidence from Indian Manufacturing Sector (Dr. Ruchi Sharma)
65	11116102	HSS (English)	Sagarika Chattopadhyay	29-Jan-18	The Novels of Amitav Ghosh: Interpretations in Literary Geography (Dr. Amarjeet Nayak)
66	1301161003	HSS (English)	I Watitula Longkumer	2-Feb-18	Women's Writing from North-East India: Narratives of Indigeneity, Ethnicities and Aesthetics (Dr. Nirmala Menon)
67	11116104	HSS (Economics)	Surabhi Joshi	5-Oct-18	Green Growth and Development: Evaluating Sustainability Impacts of Solar Energy Transitions in India (Dr. Pritee Sharma)