<table>
<thead>
<tr>
<th>S.No.</th>
<th>Roll Number</th>
<th>Discipline</th>
<th>Name</th>
<th>Date of PhD Viva</th>
<th>PhD Thesis Title [Thesis supervisor(s)]</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1301171001</td>
<td>BSBE</td>
<td>Subodh Kumar Mahto</td>
<td>27-Nov-18</td>
<td>5-Quadruplex Nucleic Acids and Small Molecule Modulators as a Potential Target and Tool in Human Diseases (Dr. Anmit Kumar)</td>
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<td>2</td>
<td>1301271002</td>
<td>BSBE</td>
<td>Vinay Sharma</td>
<td>7-Jan-19</td>
<td>Multifunctional Nanomaterials for Bioimaging and Biomedical Applications (Dr. Shaikh M. Mobin)</td>
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<td>Manasi Shrivastava</td>
<td>29-Apr-19</td>
<td>Identification of Molecular Mechanisms of Chronic Inflammatory Responses (Dr. Mirza S. Baig)</td>
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<td>EE</td>
<td>Eshan Khatri</td>
<td>2-Aug-19</td>
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**Discipline of Bio-sciences and Bio-medical Engineering**

- **EE**
  - **Subodh Kumar Mahto**
  - **Date of PhD Viva**: 27-Nov-18
  - **PhD Thesis Title**: 5-Quadruplex Nucleic Acids and Small Molecule Modulators as a Potential Target and Tool in Human Diseases (Dr. Anmit Kumar)

- **EE**
  - **Vinay Sharma**
  - **Date of PhD Viva**: 7-Jan-19
  - **PhD Thesis Title**: Multifunctional Nanomaterials for Bioimaging and Biomedical Applications (Dr. Shaikh M. Mobin)

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  - **Manasi Shrivastava**
  - **Date of PhD Viva**: 29-Apr-19
  - **PhD Thesis Title**: Identification of Molecular Mechanisms of Chronic Inflammatory Responses (Dr. Mirza S. Baig)

- **EE**
  - **Eshan Khatri**
  - **Date of PhD Viva**: 2-Aug-19
  - **PhD Thesis Title**: Small molecule based therapeutics development via targeting (A2AD) receptors RNA that causes Huntington’s Disease (HD) and spinocerebellar ataxia (SCA) (Dr. Anmit Kumar)

**Discipline of Computer Science and Engineering**

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  - **Subodh Kumar Mahto**
  - **Date of PhD Viva**: 27-Nov-18
  - **PhD Thesis Title**: 5-Quadruplex Nucleic Acids and Small Molecule Modulators as a Potential Target and Tool in Human Diseases (Dr. Anmit Kumar)

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**Discipline of Electrical Engineering**

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Discipline of Mechanical Engineering

1. 12110303  ME  Balmuktund Dharak  3-Nov-18  Phase Stabilization and Characterization of Plasma Sprayed Alumina Based coatings Prepared by Mechanically Blended Alumina-Chromia Powders (Dr. Kazi Saburuddin and Dr. Sanjukta Chatterjee)

2. 13020202  ME  Tameshwar Nush  21-Feb-19  Investigations on Contact and Non-Contact Based Actuation Studies of Shape Memory Alloy (SMA) Structures and their Lifes Behavior (Dr. I.A. Palani)

3. 13010306  ME  Kukum Ankul P.  25-Feb-19  Dense Spray Characterization in Articul Assitication using Laser-based Techniques (Dr. D.L. Dashmul)

4. 13012302  ME  Amanandep Singh Ahuja  7-Aug-19  Artificial Neural Network Based Gearbox Fault Diagnosis (Prof. Anand Parey)

Discipline of Metallurgy Engineering and Materials Science

1. 14011807  MBAS  Priteek Joshi  11-Feb-19  Experimental Investigation of Transition Metal-Based Materials for Electrochemical Energy Storage Application (Dr. P.M. Shiraghe and Dr. Somaditya Sen)

2. 14011804  MBAS  Ashish Kumar Afriaka  19-Mar-19  Investigations on Wet and Dry Laser Assisted Texturing on Flexible Polymeric Substrates and Their Suitability Towards Photovoltaic Applications (Dr. I.A. Palani and Dr. M. Anbhu)

3. 13011005  MBAS  Gaurav Bagai  8-Apr-19  Synthesis and structure correlated opto-electronic, mechanical and sensing properties of Fe3Si modified ZnO (Dr. Somaditya Sen and Dr. P.M. Shiraghe)

4. 14011809  MBAS  Yogendra Kumar  23-Apr-19  Size and Shape-Controlled Growth of CoFe2O4 Nanoparticles for Magnetic Properties and Humidity Sensing Applications (Dr. P.M. Shiraghe and Dr. Somaditya Sen)

5. 14012802  MBAS  Mohit Saraf  29-Jun-19  Architectural Functional Materials with Emphasis on Sustainable Electrochemical Energy Storage and Sensing (Dr. Shalini Mohan)

6. 14011806  MBAS  R. Rajagopalan  8-Jul-19  Design and Development of Zno based Flexible Piezoelectric nanogenerator for improved energy harvesting and novel applications (Dr. I.A. Palani and Dr. Vipul Singh)

7. 15011803  MBAS  Sourabh Tiwari  21-Aug-19  Effect of transition elements substitution on structural, optoelectronic, magnetic and mechanical properties of CO2 (Dr. Somaditya Sen and Dr. Parasham M Shiraghe)

8. 14012803  MBAS  Nandini Pathi  3-Sep-19  Investigations on Laser Ablated Co and CuFe Alloys Nanoparticles and Their Influence on the LSPR Effect at the Interface of ZnO Nanostuctures (Dr. I.A. Palani and Dr. Vipul Singh)

9. 14011805  MBAS  Dipayan Pal  27-Sep-19  Surface and Interface Effect in Al-doped ZnO: Properties and Application in Rechargeable Batteries (Dr. Sudeshna Chattopadhyay and Dr. Chuliam Venkatesh)

10. 15011810  MBAS  Arsha  30-Sep-19  Structure, dielectric, piezoelectric, and energy storage properties of lead-free Na5Bi3Ti5O15-based ceramics (Dr. Somaditya Sen and Dr. Parasham Shiraghe)

Discipline of Chemistry

1. 13011301  Chemistry  Ajeet Singh  14-Feb-19  Investigation of Organometallic Complexes and their Applications in Catalysis, Biological Activities and Crystal Engineering (Dr. Shankh M. Mobilin and Prof. Pradeep Matthur)

2. 14012304  Chemistry  Kobal Singh Rawat  27-Feb-19  Computational Studies of Manganese Based Homogeneous Catalysts for CO2 Hydrogenation Reaction (Dr. Biswajeet Pathik)

3. 13011305  Chemistry  Novina Mahiya  12-Sep-19  Design, Fabrication Crystalline Metal Design, Fabrication and Applications of Soft and Crystalline Metal Organic Materials (Dr. Suman Mukhopadhyay)

4. 13051107  Chemistry  Sagar Biswas  16-Jul-19  Microcomponent assembled Molecular Solar Cell: Design, synthesis and Application in Biocatalysis (Dr. Apurba K. Das)

5. 14012306  Chemistry  Priyanka Garg  29-Sep-19  Theoretical Insights into Low Dimensional Materials for Water Splitting (Dr. Biswajeet Pathik)

6. 15011704  Chemistry  Khuilawad Ahmad  8-Sep-19  Design and Fabrication of Advanced Functional Materials for Electrochemical Sensor and Photovoltaic Applications (Dr. Shankh M. Mobilein)

7. 15011307  Chemistry  Bidyut Kumar Kundu  27-Sep-19  Studies on Metal Complexes of ‘N, O-Donor’ Ligands in Modelling Metalloenzymes, Sensing and Catalysis (Prof. Suman Mukhopadhyay)

8. 12123109  Chemistry  Sagnik Sengupta  30-Oct-19  Design, Synthesis and Biological Evaluation of Novel Small Molecule Inhibitors for Early Diagnosis and Therapy of Diabetes Diseases (Dr. Chuliam Venkatesh)

Discipline of Mathematics

1. 12124103  Maths  Rupsha Roy  26-Jul-19  Some Aspects of Monotone Iterative Methods for Classical and Fractional Differential Equations (Dr. Anil Vijays)

Discipline of Physics

1. 12115105  Physics  Pipla Kaur Sandhu  12-Nov-19  Diffuse Radio Emission in a Galaxy Cluster Merger at Frequency Ranging from 150 MHz to 11 GHz (Dr. Ashwini Datta)

2. 14011505  Physics  Aniruddha Khurda  18-Mar-19  Study of KY and P Meson Production in proton-proton Collisions with ALICE at the LHC and Application of Non-extensive Statistics in High Energy Physics (Dr. Raghunath Sahu)

3. 14011510  Physics  Vikash Mishra  26-Mar-19  Investigation of Optical and Electronic Properties of Selected Transition Metal Oxides (Dr. P.R. Sajdeo and Dr. Rajash Kumar)

4. 13011001  Physics  Ariksha Goswami  3-Apr-19  Study of γ —→ e⁺e⁻νν̄ Decay to Measure the Electromagnetic Transition Form Factor of the eta meson with WASA-at-COSY Facilities (Dr. Ankali Roy)

5. 14011509  Physics  Md. Kamal Warshi  10-Apr-19  Investigations of Structural, Optical, Electronic and Magnetic Properties of Rare-earth Orthoferrites (Dr. P.R. Sajdeo and Dr. Rajash Kumar)

6. 14012506  Physics  Pragat Sahoo  11-Apr-19  Measurement of K*(892) in Proton-Proton collisions with ALICE at the LHC and Study of Particle Production using Color String Perturbation Model (Dr. Raghunath Sahu)

7. 14011511  Physics  Nasima Khanot  19-Jun-19  Grain growth, phase transition and optical properties of modified TiO2 (Dr. Somaditya Sen)

8. 14011510  Physics  Md. Nazir  14-Aug-19  Understanding the Structure-Magnetic Properties Correlation in Transition Metal Oxides and Rare-earth-based Double Perovskites (Dr. Somaditya Sen and Dr. P.M. Shirage)

9. 14011506  Physics  Dhananjaya Thakur  27-Aug-19  Multiplicity Dependence of Forward Rapidity Jp Production in proton-proton Collisions with ALICE at the LHC and Study of Particle Production in High-Energy Collisions (Dr. Raghunath Sahu)

10. 12115113  Physics  Koushik Gosh  18-Oct-19  Study of the Decay Matrix for γ —→ e⁺e⁻νν̄ using CLAS Detector at Jlab (Dr. Ankali Roy and Prof. Moskov Amaranjan)

11. 15011501  Physics  Sushanta Tripathy  18-Oct-19  Event shape and Multiplicity dependence of meson production in Proton-Proton collisions with ALICE at the LHC and Characterization of Heavy-Ion Collisions using Relativistic Kinetic Theory (Dr. Raghunath Sahu)

School of Humanities and Social Sciences

1. 13011601  HSS (Eng)  Mohina Mary Jacob  27-Nov-19  Mythopoeic in Popular Fiction: A Select Study of The Mythopoeic Deeds Of J.R.R. Tolkien And Amish Tripathi (Dr. Nirmala Sen)

2. 13011602  HSS (Eng)  Reema Chowdhury  8-Feb-19  Study of Visual Narratives: Mapping Postcolonial Indian Biopics as Historical Palimpsest (Dr. Nirmala Sen)

3. 13011602  HSS (Philosophy)  Hansoth A.G.  6-Feb-19  Evolution and Ontological Relevance: A Critical Interpretation (Dr. C. Upendra)

4. 12116104  HSS (Philosophy)  Simatikya Pattnik  20-Feb-19  UTPAMA: POLITICS AND SOCIAL IMAGINATION (Dr. C. Upendra)

5. 13011604  HSS (Biology)  Neha Singh  30-Apr-19  From the backyards of the city, the river sings the blues: Governance of Rivers in India: A Technographic Analysis of Subaltern Rivers in Madhya Pradesh (Dr. Neeraj Mishra)

6. 13011606  HSS  Sajad Ahmad Najar  19-Aug-19  Viewpoint: Working Memory and Distracted Driving: Deciphering Gaze Behavior, Cognitive Workload, and Driving Errors (Dr. Pradeep Premji Khanganba)

7. 12116106  HSS  Sharu Shukla  30-Aug-19  The Emotional Profile and Processing of Emotional Stimuli among Media Multitaskers (Dr. Pradeep Sharma and Prof. Sushanta Kumar Mishra)