

M.Sc. (Physics) Project, 2022

Sl. No.	Roll No.	Name of the Students	Topic	Supervisor
1	12102V213001	Aditi Rath	Quantum Walk in Optical Lattices	Dr. Tapan Mishra, NISER, Bhubaneswar
2	12102V213002	A.Rajmohan Dora	A Computational Study on Interaction of Li ⁺ Ion With Ethylene Carbonate	Prof. Saroj Kumar Nayak, IIT Bhubaneswar
3	12102V213003	Asit Patra	Growth of Monolayer MoS ₂ on A Silicon Substrate by Cvd Technique	Prof. Satyaprakash Sahoo, IoP, Bhubaneswar
4	12102V213005	Balia Mandal	Synthesis and Characterization of Ti Doped NiO	Dr. Bhagaban Kisan, Utkal University
5	12102V213007	Bharat Barik	Study of Structural, Optical Property of Gd Doped in TiO ₃	Dr. Bhagaban Kisan, Utkal University
6	12102V213008	Bibhuti Bhusan Behera	Electrical Characterization of Monolayer MoS ₂ Fet	Prof. Satyaprakash Sahoo, IoP, Bhubaneswar
7	12102V213009	Biswajit Sethi	Study of Structural Properties and Raman Spectroscopy of Gadolinium Doped in NiO	Dr. Bhagaban Kisan, Utkal University
8	12102V213010	Biswajit Tripathy	Ferromagnetism: Heisenberg Model	Dr. J. Kumar, Utkal University
9	12102V213013	Divyajyoti Pandey	Quantum Entanglement	Dr. A.K. Pati, IIT Hyderabad
10	12102V213015	Ganesh Prasad Barik	Squeezed State of Light and Its Application in Metrology	Dr. Sheshansu Sekhar Pal, Utkal University
11	12102V213016	Gobinda Sabar	Minimum Uncertainty State and Its Time Evaluation	Dr. Sheshansu Sekhar Pal, Utkal University
12	12102V213017	Itishree Swain	A Study on Facile Microwave-Assisted Mn-doped Nanosheets for Optoelectronic Application	Dr. Ramakanta Naik, Institute of Chemical Technology
13	12102V213018	Jayanta Mohapatra	Synthesis and Characterization of La ₂ O ₃ Doped TiO ₂	Dr. Bhagaban Kisan, Utkal University
14	12102V213020	Minati Munda	A Study on Optical, Vibrational and Structural Properties of Holmium Doped in NiO	Dr. Bhagaban Kisan, Utkal University
15	12102V213021	Nitesh Kumar Patro	Designing Organic Corrosion Inhibitors Using Silane Derivatives	Prof. Saraj Kumar Nayak, IIT Bhubaneswar
16	12102V213022	Padmaja Ray	Understanding Basic Concepts of Topological Insulator	Dr. Tapan Mishra, NISER, Bhubaneswar
17	12102V213023	Priyadarshini Jingyasha	Phase Transition in Optical Lattice	Dr. Tapan Mishra, NISER, Bhubaneswar
18	12102V213024	Ritesh Deep	Structural, Magnetic and Electronic Properties of CaNbO ₃ : A DFT + U Study	Dr. Priyadarshini Parida, Bhubaneswar
19	12102V213025	Rudra Prasad Nanda	Thermal Conductivity and Thermal Stability of Thermoelectric Material CoSb ₃ Using Raman-Thermometry	Dr. Gopal Krushna Pradhan, Bhubaneswar
20	12102V213026	Sanket Majhi	Variation of Structural Properties of Mixed Valent Manganite Through A Site Ordering	Prof. Dinesh Topwal, IoP, Bhubaneswar
21	12102V213027	Satabdi Paikray	Synthesis of Ag ₂ Se-Sb Bilayer by Thin Film for Optoelectronic Application	Dr. Ramakanta Naik, Institute of Chemical Technology
22	12102V213029	Satya Prakash Senapati	Synthesis and Characterization of ZnO Doped With Ho ³⁺	Dr. Bhagaban Kisan, Utkal University
23	12102V213030	Satyajit Panda	Cherenkov Radiation and Frank-Tamm Formula	Dr. Sheshansu Sekhar Pal, Utkal University
24	12102V213031	Sudipta Kumar Jyotish	Green Synthesis of Silver Nanoparticle for Simultaneous Drug Delivery and Diagnostic	Dr. Jagnyaseni Tripathy, Bhubaneswar