

DEPARTMENT OF PHYSICS, UTKAL UNIVERSITY

M.Sc. (Physics) Project - 2016

Sl No.	Roll No.	N A M E	TOPIC	Name of the Supervisor
1	12102V153001	AMIT KUMAR SAHOO	Thermal modeling of segmented primary mirror of an astronomical telescope	Prof. P. P. Singh (IIA, Bangalore) & Prof. G. Smith (Univ. of Arizona, USA)
2	12102V153002	ANIL KUMAR ROUT	Structural and optical characterization of AS ₄₀ S ₆₀ thin film	Dr. R. Naik
3	12102V153003	B. PRITIBANYA SUBHALAXMI	Measurement of mis-identification probability of tau-jet	Prof. A.K. Nayak (IOP, BBSR)
4	12102V153004	BIKASH KUMAR NAIK	ZnO nanoparticle synthesis and characterization	Dr. S. Mohanty (CIPET)
5	12102V153005	BURUMAJHI PADRA	Structure and optical properties of TiO ₂ in nano particles	Mr. B. Kisan
6	12102V153006	DIPTI RANJAN PATTANAİK	Cosmic ray background rejection study to probe multi-Tev γ -rays with GRAPES-3	Dr. P. K. Mohanty (TIFR, Mumbai)
7	12102V153007	GUPTESWAR SABAT	Application of Fourier transform	Prof. D.P. Mahapatra
8	12102V153008	HRUDAY RANJAN NAYAK	Structure and optical properties of doped ZnO in nano particles	Mr. B. Kisan
9	12102V153009	JAYASHREE LAKRA	Study o infectious disease models by study of malaria	Dr. J. Kumar
10	12102V153010	JITENDRA KUMAR SAHOO	Exchange bias in ferromagnetic/anti ferromagnetic hetero structures	Dr. S. Bedanta (NISER BBSR)
11	12102V153011	KARTIKESWAR MAJHI	Mass spectroscopy	Prof. D.P. Mahapatra
12	12102V153012	LOPAMUDRA SAHOO	Study of surface Plasmon polariton on insulator metal insulator structure	Dr. R. Das (NISER, BBSR)
13	12102V153013	MADHUSMITA PANDA	Study of squeezed states of light : Non-classical property of light	Dr. A. Mohapatra (NISER, BBSR)
14	12102V153014	MANAS RANJAN BEHERA	Study about GRAPES-3 experiment and analysis of MCA spectra with variation of pressure and voltage of PRCs.	Prof. Yoshio Hayashi (TIFR, Ooty)
15	12102V153015	MANORANJAN SETHI	Optical properties study of Sb ₁₀ S ₄₀ Se ⁵⁰ thin film	Dr. R. Naik
16	12102V153016	NIMAI SWAIN	GRAPES-3 experiment and PULSE width spectrum analysis of muon detectors (PRCs)	Prof. Yoshio Hayashi (TIFR, Ooty)
17	12102V153017	PANKAJ KUMAR JENA	Solution of 1-D time independent Schrodinger equation for Harmonic Oscillator by Numerov's method	Dr. P.K. Panda
18	12102V153018	PRAGYANPRASU SWAIN	Coherent states and squeezed coherent states in quantum mechanics	Prof. H. Mishra (PRL, Ahmedabad)
19	12102V153019	PRİYABRAT KHATUA	Structural and optical properties of doped NiO in nano particle	Mr. B. Kisan
20	12102V153020	PUJASHREE PRIYADARSHINI SETHY	Gas sensors (Nickel oxide as gas sensor)	Prof. N.C. Mishra
21	12102V153021	RAHUL ROY	Synthesis, characterization and applications of AgInSe ₂ and Ag ₂ Se	Prof. N.C. Mishra
22	12102V153022	SASMITA TUDU	Dirac quantisation	Dr. S.S. Pal
23	12102V153023	SATYABAN SAHOO	Neutrino oscillation	Prof. S. Mahapatra
24	12102V153024	SHAKUNTALA MURMU	A basic introduction to gravitation, relativity and cosmology	Dr. P.K. Samal
25	12102V153025	SIPRASUBHADARSHINI JENA	Study of surface Plasmon or MIM (metal insulator metal) structure	Dr. R. Das (NISER, BBSR)
26	12102V153026	SK RAMJAN	Introduction to atomic clocks and various systematic shifts	Dr. B.K. Sahoo (PRL, Ahmedabad)
27	12102V153027	SOUMYA RANJAN MISHRA	Study of non-linear magneto optic rotation	Dr. A.K. Mohapatra (NISER BBSR)
28	12102V153028	SUBRAT PRADHAN	Synthesis and characterization of CdS nano-particle	Dr. S. Mahanty (CIPET)
29	12102V153029	SUNIL KUMAR BEHERA	Monte Carlo simulation and its application	Dr. P.K. Panda
30	12102V153030	SUNITA MARNDI	TPU/CNT nano composite for strain sensor application	Dr. S. Mohanty (CIPET)

M.Sc. (Physics) Project - 2017

Sl No.	Roll No.	Name of the Students	TOPIC	Supervisor
1	12102V163001	Abhijit Sahoo	Neutrino oscillation	Prof. Swapna Mahapatra
2	12102V163002	Anjali Majhi	Synthesis and characterization of MWCNT decorated with ZnO	Dr. Smita Mohanty (CIPET)
3	12102V163003	Ashutosh Sahoo	Penrose diagram for Anti-de Sitter spacetime	Dr. Shesansu Sekhar Pal
4	12102V163004	Barnali Brahma	Evolution of linear perturbation in an expanding universe	Prof. Nishikanta Khandai(NISER)
5	12102V163005	Bikash Kumar Das	Growth of ZnO thin film by pulse laser deposition technique	Prof. Satyaprakash sahuo (IOP)
6	12102V163006	Birendra Chhotaray	Reconstruction of electron and muon at CMS	Dr. Aruna Kumar Nayak (IOP)
7	12102V163007	Biswa Ranjan Mohanty	Introduction to Cosmological Principle and CMB data analysis	Dr. Pramoda Kumar Samal
8	12102V163008	Biswajit Biswal	Correlated metals as transparent conductor	Prof. Debakanta Samal (IOP)
9	12102V163009	Biswajit Panda	Study of muon response of plastic scintillator detector at GRAPES-3 experiment	Dr. Pravata Kumar Mohanty (TIFR, Mumbai)
10	12102V163010	B Sheetal Priyadarshini	Synthesis and characterization of MWCNT/ZnO film	Dr. Smita Mohanty (CIPET)
11	12102V163011	Chinmaya Kar	Analysing Birefringence using Speckle	Dr. Maruthi Manoj Brundavanam (IIT Kharagpur)
12	12102V163012	Choudhury Abinash Bhuyan	Synthesis and characterization of Ag/As ₂ Se ₃	Dr. Ramakanta Naik
13	12102V163013	Gajendra Hansdah	Structural, Optical and magnetic properties of Ca doped NiO	Mr. Bhagaban Kisan
14	12102V163014	Gupteswar Samal	Introduction to cosmology with CMB anisotropy	Dr. Pramoda Kumar Samal
15	12102V163015	Harekrushna Behera	Conformal diagram for flat spacetime	Dr. Shesansu Sekhar Pal
16	12102V163016	Kanhu Charan Swain	Graphene-The new future: synthesis, characterization & potential application.	Mr. Bhagaban Kisan
17	12102V163017	Prabhudatta Behera	Critical behavior studies in ferromagnetic compounds	Mr. Bhagaban Kisan
18	12102V163018	Pradeep Kumar Sahoo	Investigation of structural electric and magnetic properties of NEODYMIUM doped cobalt ferrite nano particles	Prof. Dhruvananda Behera (NIT, Rourkela)
19	12102V163019	Pratik Kumar Panda	Gravitational lensing	Prof. Karmadeva Maharana
20	12102V163020	Raghunath Pradhan	Calibration of scintillator detector for measurement of cosmic ray showers at GRAPES-3 experiment	Dr. Pravata Kumar Mohanty (TIFR, Mumbai)

Sl No.	Roll No.	Name of the Students	TOPIC	Supervisor
21	12102V163021	Sagar Mahapatra	Use of NMR spectroscopy to understand micromolecular interaction	Dr. Mandar V. Deshmukh (CCMB, Hyderabad)
22	12102V163022	Saamyashree Baral	Propagation of light through non-linear medium	Prof. Ashok Kumar Mohapatra (NISER)
23	12102V163023	Shubham Kumar Dash	Synthesis and characterization of MWCNT/ZnO nano-composite	Dr. Smita Mohanty (CIPET)
24	12102V163024	Smrutiranjana Khandual	Fresnel coefficient and its application on thin film	Dr. D.P. Mahapatra
25	12102V163025	Sonali Pradhan	Study of particle interaction in the detector using GEANT 4 simulation	Prof. Sanjay Kumar Swain (NISER)
26	12102V163026	Subash Chandra Behera	Electron State and Quantum Confinement	Prof. D.P. Mahapatra
27	12102V163027	Sushri Sangya Jena	Quark gluon plasma in heavy ion collision and simulation in LHC energy.	Prof. Pradip Ku. Sahu (IOP)
28	12102V163028	Swagatika Behera	Study of Laguerre-Gaussian Beam	Prof. Ashok Kumar Mohapatra (NISER)
29	12102V163029	Tabasum Rahnema	"Measurement of the B_s^0 lifetime using decay channel $B_s^0 \rightarrow J/\psi \Phi$ at the CMS detector"	Prof. Sanjay Kumar Swain (NISER)
30	12102V163030	Tapas Kumar Mishra	Structural, Optical and magnetic properties of Mg doped NiO	Mr. Bhagaban Kisan
31	12102V163031	Taranga Dehury	Structural, Optical and magnetic properties of Li doped NiO nanoparticles	Mr. Bhagaban Kisan
32	12102V163032	Tribhuban Parida	Identified particle spectra and non-extensive statistics with and without radial flow in p+p collisions at LHC	Dr. Raghunath Sahoo(IIT INDORE)

M.Sc. (Physics) Project - 2018

Sl No.	Roll No.	Name of the Students	Topic	Supervisor
1	12102V173001	Akankhya Mohapatra	Study of multiferroic based solar photovoltaics	Dr. Niharika Mohapatra , IIT, BBSR
2	12102V173002	Ashish Kumar Dalei	Crystal analysis using rietveld refinement technique	Dr. Bhagaban Kisan, UU
3	12102V173003	Aswini Kumar Sahoo	Study of reconstruction and identification of tau- lepton in CMS at LHC	Dr. Arun Kumar Nayak, IOP, BBSR
4	12102V173004	Bikram Keshari Pradhan	Thermodynamics of Relativistic particle And Hagedorn's Spectrum	Prof. Bedangadas Mohanty, NISER
5	12102V173005	Birupakhya Nanda	Detection of Muon in Proportional Counter	Dr. Pravata Kumar Mohanty, TIFR Mumbai
6	12102V173006	Buddhanath Behera	Study of the Plastic Scintillator Detector response at the GRAPES-3 Experiment	Dr. Pravata Kumar Mohanty, TIFR Mumbai
7	12102V173007	Chandana Nayak	Introduction to Cosmology with Cosmic Microwave Background	Dr. Pramoda Kumar Samal, UU
8	12102V173008	Damburudhara Sabara	Thermal diffusivity of Brass	Dr. Bhagaban Kisan, UU
9	12102V173009	Dibyajyoti Nayak	Mg doped ZnO	Dr. Bhagaban Kisan, UU
10	12102V173010	Fuloswari Soren	Mg doped TiO ₂	Dr. Bhagaban Kisan, UU
11	12102V173011	Gobinda Das	Linearized gravity in ads background	Dr. Shesansu Sekhar Pal, UU
12	12102V173012	Himansu Sekhar Nayak	Ni doped ZnO	Ms. Basanti Behera, OUAT
13	12102V173013	Ipsita Nayak	Numerical methods for solving helium atom in coordinate space	Dr. Prafulla Kumar Panda, UU
14	12102V173014	Jayalaxmi Pani	Electronic structure determination of grapheme using "Density Functional Theory (DFT)"	Dr. Jagadish Kumar, UU
15	12102V173015	Kajol Sahoo	Supersymmetry in quantum mechanics	Dr. Pramoda Kumar Samal, UU
16	12102V173016	Kalyan Kumar Senapati	A new route to enhance the ferromagnetic transition temperature for a DMS	Dr. Kalpataru Pradhan, SINP, Kolkata
17	12102V173017	Lakhidhar Gemel	Study of nonlinear dynamics on Logisticmap	Dr. Alok Ranjan Nayak, IIIT, BBSR
18	12102V173018	Madan Mohan Mahana	A study of Black hole Thermodynamics	Prof. Swapna Mahapatra, UU
19	12102V173019	Rajasmita Sahoo	Superconductivity in perovskite oxides Ba(Bi, Pb)O ₃ , and (Ba,Te)O ₃ system	Dr. Niharika Mohapatra, IIT, BBSR

Sl No.	Roll No.	Name of the Students	Topic	Supervisor
20	12102V173020	Rasmita Dutta	Solution of Schrodinger equation for sextic potential in two dimension	Dr. Jagadish Kumar, UU
21	12102V173021	Sakuntala Jena	Mass spectroscopy of baryon octet by using MIT Bag model	Dr. Prafulla Kumar Panda, UU
22	12102V173022	Satyabati Hial	Compact Stars	Dr. Prafulla Kumar Panda, UU
23	12102V173023	Soumya Ranjan Padhi	Numerical matrix method for solving quantum periodic potential	Dr. Prafulla Kumar Panda, UU
24	12102V173024	Subhashree Priyadarsini Behera	Saturated absorption spectroscopy by modulated probe beam	Dr. Ashok Kumar Mohapatra, NISER
25	12102V173025	Subhendu Bhusan Dash	Simulation of two Dimensional Ising model using Monte carlo methods	Dr. Jagadish Kumar, UU
26	12102V173026	Sumeet Burnwal	A Study of Neutrinos and Long Baseline Neutrino Facilities	Prof. Swapna Mahapatra, UU
27	12102V173027	Sumit Kumar Dwibedi	Feasibility study for calculating the effective lifetime of $B_s^0 \rightarrow \mu^+ \mu^-$ decay	Dr. Sanjay Kumar Swain, NISER
28	12102V173028	Sunanda Patra	Band gap calculation of silicon by using density functional theory	Dr. Jagadish Kumar, UU
29	12102V173029	Susil Kumar Puhan	Coherent state and applications	Dr. Prafulla Kumar Panda, UU
30	12102V173030	Trayambaka Nath Das	Study of Structural, Optical and Magnetic Properties of Li-doped TiO_2	Dr. Bhagaban Kisan, UU
31	12102V173031	Urjjarani Patel	Study of Breit-Wigner distribution and resonances in high energy physics	Prof. Bedangadas Mohanty, NISER

M.Sc. (Physics) Project - 2019

Sl No.	Roll No.	Name of the Students	Topic	Supervisor
1	12102V183001	Aniket Mohanty	Optical and dielectric study of Bismuth and Antimony Bilayers	Dr. Bhagaban Kisan, UU
2	12102V183002	Anil Mahaling	To study the property of ZrO ₂ /GO/PVA thin film	Dr. S.K.S. Parashar, KIIT University
3	12102V183003	Arpan Kumar Pradhan	Structural and dielectric properties of Ti doped BaMnO ₃	Dr. Bhagaban Kisan, UU
4	12102V183005	Ashish Kumar Mandal	A two dimensional ising model with order-disorder transition	Dr. Jagadish Kumar, UU
5	12102V183006	Ashrumochan Mohanty	Lithium doped with ZnO thin film	Dr. Satyaprakash Sahoo, IOP, BBSR
6	12102V183007	Atalabihari Pahadasingh	Fluctuated Ricci tensor to first order in metric perturbation	Dr. Shesansu Sekhar Pal, UU
7	12102V183008	Bhagyarathi Sahoo	Characterstics of gas electron multiplier detector	Dr .Pradip Kumar Sahu, IOP, BBSR
8	12102V183009	Bikram Kumar Rout	Coherent state & its applications	Dr. Prafulla Kumar Panda, UU
9	12102V183010	Dibyajyoti Sahu	Atomic spin model simulation of magnetic material	Dr. Jagdish Kumar, UU
10	12102V183011	Jyoti Bikash Mohapatra	Spin orbit coupled superconductivity	Prof. Devakanta Samal, IOP
11	12102V183012	Kabita Kumari Nayak	Dielectric behavior analysis of Bamboo Charcoal for Estimation of Electromagnetic Interference Shielding potential	Dr. Puspallata Pattojoshi, KIIT University
12	12102V183013	Kalpana Hembram	Morphological and optical properties of Bamboo charcoal and review of its potential for water and air purification	Dr. Puspallata Pattojoshi, KIIT University
13	12102V183014	Monalisa Sahoo	Proton proton collision and hadron jets	Dr. Arun Kumar Nayak, IOP BBSR
14	12102V183015	Nirupama Kerai	Activated bamboo charcoal in medical science	Dr. Puspallata Pattojoshi, KIIT University
15	12102V183016	Om Prakash Das	Structural, magnetic and dielectric properties of Fe doped CaMnO ₃	Dr. Bhagaban Kisan, UU
16	12102V183017	Prajnyan Priyadarshini	Annealing induced structural and optical properties change in As ₄₀ Se ₅₀ Ge ₁₀ thin films	Dr. Ramakanta Naik, ICT-IOC
17	12102V183018	Prasanta Kumar Maharana	Electronic Structure of single layer graphene on nickel substrate.	Prof. Saroj Kumar Nayak, IIT, BBSR
18	12102V183019	Prathanaprava Parida	Pseudo super capacitor (Fe P) ,oxidation reduction	Prof. Saroj Kumar Nayak, IIT, BBSR

Sl No.	Roll No.	Name of the Students	Topic	Supervisor
19	12102V183020	Pravata Panigrahi	Al doped ZnO thin film	Dr. Satyapraksh Sahoo, IOP, BBSR
20	12102V183021	Radha Krushna Baskey	Study of Electromagnetic properties of nano ZnO thin films	Dr. S.K.S. Parashar, KIIT University
21	12102V183022	Rajendra Rath	Cosmic Ray Muon Life-time Measurement	Dr. Arun Kumar Nayak, IOP, BBSR
22	12102V183023	Sayun Kumar Lugun	Analysis of CuO based on polymer thin film	Dr. S.K.S. Parashar, KIIT University
23	12102V183024	Simran Sahoo	Physical and optical properties of Bi-Sb	Dr. Bhagaban Kisan, UU
24	12102V183025	Suchismita Das	A brief review of FLRW Cosmology and Large scale structure	Dr. P.K. Samal, UU
25	12102V183026	Sudeepta Sethi	Study of supercapacitive electrode material based on double layered capacitive material(RGO)	Prof. Saroj Kumar Nayak, IIT BBSR
26	12102V183027	Sudhanshu Sekhar Rana	Mit bag model	Dr. Prafulla Kumar Panda, UU
27	12102V183028	Snehalata Nayak	Optical behavior of Bamboo Charcoal as Merging Functional Material	Dr. Puspallata Patojoshi, KIIT University
28	12102V183029	Soumyaranjan Dash	A study on optical, Dielectric and magnetic properties of Sr ²⁺ doped GdMnO ₃	Dr. Bhagaban Kisan, UU
29	12102V183030	Suman Seelvec	Introduction to cosmology and Cosmic microwave background radiation	Dr. P.K. Samal, UU
30	12102V183031	Tushar Kanta Sethi	Structural and magnetic properties of Co-doped bismuth ferrites	Dr. Bhagaban Kisan, UU

M.Sc. (Physics) Project - 2020

Sl No.	Roll No.	Name of the Students	Topic	Supervisor
1	12102V193001	Arun Kumar Gagrai	Tensor Formulation in Relativity	Dr. P.K. Samal, G. M. University
2	12102V193002	Asish Kumar Das	Squeezed Coherent states and anharmonic oscillator	Dr. P.K. Panda, UU
3	12102V193003	Biplab Jyotirnanjan Jena	Study of Optical properties of Sn-Se thin films prepared by co-evaporation deposition method	Dr. B. Kisan
4	12102V193004	Biswaranjan Baral	Thermal annealing of Ag-Se bilayer thin film and its optical behaviour	Dr. B. Kisan, UU
5	12102V193005	Buddhadev Mahana	Thermal annealing of Al-Se bilayer thin film and its thermal and optical properties	Dr. B. Kisan, UU
6	12102V193006	Debidatta Mohanty	Energy Conditions	Dr. S.S. Pal, UU
7	12102V193007	Deepak Kumar Mallick	Study of Optical Properties and Raman Study on Al-Sb thin film Bilayer Structure	Dr. B. Kisan, UU
8	12102V193009	Jagannath Panda	Study of growth of epitaxial thin film	Dr. Ashutosh Rath, CSIR-IMMT
9	12102V193010	Lijarani Kar	Raman Effect	Prof. N C. Mishra (Retd.) , UU
10	12102V193011	Madhusmita Behera	Construction of Schwarzschild geometry	Dr. S.S. Pal, UU
11	12102V193012	Mahendra Kumar Panda	Refractive index calculation of Laser irradiated As ₅₀ Se ₄₀ Sb ₁₀ using Swanepoel method	Dr. Ramakanta Naik, ICT-IOC, BBSR
12	12102V193013	Manas Biswal	Spontaneous symmetry breaking	Dr. S.S. Pal, UU
13	12102V193014	Minati Sardar	Construction of Schwarzschild geometry	Dr. S.S. Pal, UU
14	12102V193015	Niharika Prusty	Z-scan technique	Dr. J. Kumar, UU
15	12102V193016	Parthasarathi Panigrahi	An experimental study on optical properties of CdS thin film	Dr. B. Kisan, UU
16	12102V193017	Pradipa Marandi	Cosmology, especially to find the behavior of the scale factor of Robertson Walker metric	Dr. S.S. Pal, UU
17	12102V193018	Pratyasha Mishra	Thermal Annealing of Bi-Sb Thin film and Study of its Optical and Thermal Properties	Dr. B. Kisan, UU
18	12102V193019	Rajroshan Bag	Landau Levels	Dr. S.S. Pal, UU

Sl No.	Roll No.	Name of the Students	Topic	Supervisor
19	12102V193020	Rituparna Sahoo	Synthesis and application of TiO ₂ nanoparticle thin films	Prof. N. C. Mishra (Retd.) U.U.
20	12102V193021	Sambit Kumar Das	Study of Effect of deposition time on structural and optical properties of ZnSe thin film	Dr. B. Kisan, UU
21	12102V193022	Sandip Jally	Study of Structural and Dielectric Properties of YCrO ₃	Dr. B. Kisan, uu
22	12102V193023	Sangeeta Majhi	Size and strain induced phase formation and Raman study in reduced TiO ₂ nanoparticle	Dr. B. Kisan, UU
23	12102V193024	Sasmita Naik	Study the structural & optical properties of Sb ₁₅ S ₁₅ Se ₇₀ thin film	Dr. Ramakanta Naik, ICT-IOC, BBSR
24	12102V193025	Shubharam Rout	Nano wires and heat conversion	Dr Gopal Krishna Pradhan, KIIT
25	12102,V193026	Siddhartha Kumar Pal	Application of machine learning in predicating the band gap of materials	Dr. Saumya R. Mohapatra, NIT, Silchar
26	12102V193027	Sonali Srotaswini Pradhan	Quantum transport in graphene nanoribbon using DFT +NEGF	Prof. Saroj Ku. Nayak, IIT BBSR
27	12102V193028	Sudeep Munda	Structural, morphological, thermal, and optical investigation on Mn doped GdCrO ₃	Dr. B. Kisan, UU
28	12102V193029	Sumit Nayak	FRW matrix in cosmology	Dr. P.K. Samal, G. M. University
29	12102V193030	Sunit Sundar Pradhan	Study of path integral, quantum mechanics	Dr. S. S. Pal, UU
30	12102V193031	Suryasunil Rath	Aharonov Bhom effect	Dr. S.S. Pal, UU
31	12102V193032	Tusar Kumar Dash	Synthesis and characterization of Ti doped bismuth ferrite	Dr. B. Kisan, UU
32	12102V193033	Tusara Padhan	Compact star and its equation of states	Dr. P. K. Panda, UU

M.Sc. (Physics) Project, 2021

Sl No.	Roll No.	Name of the Students	Topic	Supervisor
1	12102V203001	Abinash Nandi	Structural and magnetocaloric effects of Ti doped magnetic $Gd_{0.7}Sr_{0.3}Mn_{1-x}Ti_xO_3$	Dr. Bhagaban Kisan, UU
2	12102V203002	Aditya Mishra	Neutrino Oscillation	Dr. Prafulla Kumar Panda, UU
3	12102V203003	Amiya Ranjan Mallik	Study of structural , dielectric and magnetic properties of Gd_2NiMnO_6	Dr. Bhagaban Kisan, UU
4	12102V203004	Bhavna Dora	Machine learning approach to detect pulsars	Dr. Jagadish Kumar, UU
5	12102V203005	Budhibanta Bariha	Triboelectrification based on NiO-Mg magnetic nanocomposite: synthesis, device fabrication and energy harvesting performance	Dr. Jagadish Kumar, UU
6	12102V203006	Deoranjana Kumar Sabar	Effect of Al doped $YCrO_3$ on structural, electronic and magnetic properties	Dr. Bhagaban Kisan, UU
7	12102V203007	Indranil Mahato	Electroweak Interaction	Dr. Prafulla Kumar Panda, UU
8	12102V203008	Jayasing Gond	Transport and magnetic properties of Fe doped $CaMnO_3$	Dr. Bhagaban Kisan, UU
9	12102V203009	Jyotirmayee Pani	Study of optical and structural properties of BiSb/BiSb and Pb/BiSb bilayers	Dr. Bhagaban Kisan, UU
10	12102V203010	Kalingarani Mishra	Quantization of mass square operator of open string	Dr. Shesansu Sekhar Pal, UU
11	12102V203011	Nikita Jaiswal	Correlation function in the CFTD/Adsd+1 correspondence[Normalization of 2-point function on Adsd+1space]	Dr. Shesansu Sekhar Pal, UU
12	12102V203012	Nityanuta Mohapatra	Conformal Algebra and correlation function	Dr. Shesansu Sekhar Pal, UU

Sl No.	Roll No.	Name of the Students	Topic	Supervisor
13	12102V203014	Pankaj Kumar Sardar	Characterization of Al doped Barium Manganese Oxide.	Dr. Bhagaban Kisan, UU
14	12102V203015	Pradyut Kumar Lima	Study on effect of Gadolinium on the structural and dielectric properties of BCZT ceramics	Dr. Bhagaban Kisan, UU
15	12102V203016	Priyanka Das	Moller Scattering	Dr. Shesansu Sekhar Pal, UU
16	12102V203018	Rashmiranjan Behera	Experimental study on optical Properties of Cds Thin film	Dr. Bhagaban Kisan, UU
17	12102V203019	Sarthak Mishra	Experimental study on Bi-Sb Thin Films	Dr. Bhagaban Kisan, UU
18	12102V203020	Shrabani Kanungo	Structural, Dielectric properties of GdCrO ₃	Dr. Bhagaban Kisan, UU
19	12102V203021	Souvagya Kumar Biswal	Epidemiological study of COVID 19 and data forecasting	Dr. Jagadish Kumar, UU
20	12102V203022	Subhashree Dash	Experimental study of structural and optical properties of Al-Sb Thin films	Dr. Bhagaban Kisan, UU
21	12102V203023	Subhrajit Mishra	Quantization of mass square operator for closed string	Dr. Shesansu Sekhar Pal, UU
22	12102V203024	Suraj Sinku	Study of magnetic properties of a novel ceramic ferroelectric-ferromagnetic composite.	Dr. Bhagaban Kisan, UU
23	12102V203025	Suryanarayan Mohapatra	Exoplanet detection using Machine Learning and improve its Performance	Dr. Jagadish Kumar, UU
24	12102V203027	Taruna Huika	The study of Lorenz model using scilab	Dr. Jagadish Kumar, UU