




DEPARTMENT OF PHYSICS
TEZPUR UNIVERSITY
Napaam, Tezpur - 784 028
Sonitpur (Assam), India

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INTERNSHIP/PROJECT DETAILS

Sr. No.	Programme Name	Name of the Student	Title of the Internship/Project	Place of Work	Duration of Work
1	M.Sc. in Physics	KAUSHIK KALITA	A study on the Effect of Scalar non Standard Interactions in Neutrino Oscillations	Tezpur University	12 Months
2	M.Sc. in Physics	KAUSTAV DIPTA GOSWAMI	Study of variability in radiation from the Blazar source 3C454.3	Tezpur University	12 Months
3	M.Sc. in Physics	ARIJIT KAR	Detection of Disease Affected Tea Leaf by Canny Edge Detection through Image Processing using Mobile Phone Camera	Tezpur University	12 Months
4	M.Sc. in Physics	CHANDAN MAHAPATRA	A study about Bismuth tungstate as an electrode material for aqueous aluminium ion battery	Tezpur University	12 Months
5	M.Sc. in Physics	PALASH MAKUMURIA	Influence of Dust Excess Pressure on Jeans Instability in self Gravitating Dusty Plasma	Tezpur University	12 Months
6	M.Sc. in Physics	BANASMITA DAS	A Study on the Vector NSI Effects in Neutrinos	Tezpur University	12 Months
7	M.Sc. in Physics	PINAK MANDAL	Phenomenology of keV scale sterile neutrino dark matter in minimal extended seesaw with $\Delta(96)$ symmetry and TM1 mixing	Tezpur University	12 Months
8	M.Sc. in Physics	TAPAN PARSAIN	Design and Development of a Thin Flexible and Precise Tunable Metamaterial Absorber	Tezpur University	12 Months
9	M.Sc. in Physics	SOURAV SUTRADHAR	Non-local analysis of gravitational instability excitable in composite cosmic fluids	Tezpur University	12 Months
10	M.Sc. in Physics	ROTISH SARKAR	Nonlinear Jeans Instability Dynamics in Self-Gravitating Superfluids	Tezpur University	12 Months
11	M.Sc. in Physics	CHINMOY BARMAN	A TRIAL ON ANDROID APPLICATION BASED OPTICAL DETECTION OF HEAVY METAL IONS	Tezpur University	12 Months
12	M.Sc. in Physics	DIGEN DAS	Prediction of gluon distribution function at NNLO in light of GLR-MQ-ZRS equation	Tezpur University	12 Months
13	M.Sc. in Physics	BIKRAM DAS	Pattern formation in nature: Construction of natural fractals and their study.	Tezpur University	12 Months
14	M.Sc. in Physics	MITHISAR BASUMATARY	To study the sensitivity of LDR and Phototransistor with respect to different wavelengths and comparison of sensitivity of both	Tezpur University	12 Months
15	M.Sc. in Physics	BIDISHA BORAH	TOPOLOGICAL INSULATORS	Tezpur University	12 Months



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16	M.Sc. in Physics	SHAHNAZ SHABNAM	Synthesis and characterisation of Polypyrrole (PPy) nanotube for supercapacitor application	Tezpur University	12 Months
17	M.Sc. in Physics	MANIRUZ ZAMAN	Detection of Aerosol using Raman Spectroscopy Technique.	Tezpur University	12 Months
18	M.Sc. in Physics	KARTHIKEYA MULUGU	Orbital Variation of X - Ray Binaries in its different Spectral States	Tezpur University	12 Months
19	M.Sc. in Physics	HIRAK JYOTI MAHANTA	NONLINEAR DYNAMICS OF JEANS-BUNEMAN INSTABILITY IN DUSTY PLASMAS	Tezpur University	12 Months
20	M.Sc. in Physics	TANAY SARMA	Simulation of a Series LCR circuit and show plots of its responses to various frequencies	Tezpur University	12 Months
21	M.Sc. in Physics	PARTHA KUMAR PAUL	Neutrino phenomenology in an A4 flavour symmetry based neutrino two Higgs doublet model	Tezpur University	12 Months
22	M.Sc. in Physics	HRISHI BORA	Appearance Oscillation probability behaviour with an eV scale Sterile Neutrino in NOvA experiment	Tezpur University	12 Months
23	M.Sc. in Physics	ABHIGYAN BARUAH	Analysis of gluon evolution through Balitsky-Kovchegov equation at small-x	Tezpur University	12 Months
24	M.Sc. in Physics	ZAHIRUL ALAM LASKAR	Smartphone based qualification of Iron (II) in borewell water.	Tezpur University	12 Months
25	M.Sc. in Physics	RAJNIK DAS	Nonlocal nonlinear fluctuating dynamics in gravitating spherical cosmic fluids	Tezpur University	12 Months
26	M.Sc. in Physics	NITUMONI KANWAR	Development of a remote-controlled mobile device for collection of oil from oil spil on land.	Tezpur University	12 Months
27	M.Sc. in Physics	ANKITA MONDAL	Study of X-ray Baldwin effect for narrow line Seyfert-1 galaxies (NLS1)	Tezpur University	12 Months
28	M.Sc. in Physics	ALOK PROTIM MAHANTA	Estimation of the age of globular clusters and hence the age of the universe	Tezpur University	12 Months
29	M.Sc. in Physics	SMITAKSHI GOSWAMI	Vigyan Vidushi Advanced program in Physics	Tata Institute of Fundamental Research, Mumbai	20 days
30	M.Sc. in Physics	DHARITREE BEZBORUAH	Online summer school on Astrophysics	Indian Institute of Astrophysics, Bengaluru (Online)	5 days
31	Integrated M.Sc. In Physics	AMITESH RAJKHOWA	Photometric method for measurement of refractive index of liquids using smartphone.	Tezpur University	12 Months
32	Integrated M.Sc. In Physics	PRADIPTA PRAKASH KALITA	Effect of heavy metal ions on the optical properties of liquid exfoliated WS 2 nanosheets	Tezpur University	12 Months



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33	Integrated M.Sc. In Physics	NILAKSHA BARMAN	Dust Cyclotron Modes in Visco-elastic Dusty Plasma	Tezpur University	12 Months
34	Integrated M.Sc. In Physics	HARSHITA BHUYAN	A STUDY ON THE EFFECT OF ENVIRONMENTAL DECOHERENCE IN NEUTRINOS	Tezpur University	12 Months
35	Integrated M.Sc. In Physics	HEMANGA TAHBILDAR	Study of X-ray timing and spectral profile in Blazars using NuSTAR.	Tezpur University	12 Months
36	Integrated M.Sc. In Physics	RANJIT SHARMA	Exfoliation and characterization of MoS ₂ nano-sheets and the impact of energetic photon bombardment on their magneto-transport properties.	Tezpur University	12 Months
37	Integrated M.Sc. In Physics	PROBIT JYOTI KALITA	A modelling-based study on the variation of polarised reflectance with angle of incidence in metal oxide nano-systems.	Tezpur University 12 Months	12 Months
38	Integrated M.Sc. In Physics	RAJASHREE BHUYAN	Clues regarding the origin of jets in host galaxy morphology	Tezpur University	12 Months
39	Integrated M.Sc. In Physics	ANUPAM DEKA	Dual ion batteries and the use of graphite as electrodes	Tezpur University	12 Months
40	Integrated M.Sc. In Physics	MANAS PRATIM CHETRY	Development of oil spill cleaning device for removal of oil from waterbody.	Tezpur University	12 Months
41	Integrated M.Sc. In Physics	TRISHITA SAIKIA	Baryon Asymmetry of the universe in A4 based Minimal Extended Seesaw	Tezpur University	12 Months
42	Integrated M.Sc. In Physics	BHASAMRITA SARMAH	Blood Glucose Level Monitoring using Metamaterial Structures in the ISM Band	Tezpur University	12 Months
43	Integrated M.Sc. In Physics	BITUPAN PRASAD	Effect of heavy metal ions on the optical properties of liquid exfoliated MoS ₂ nanosheets	Tezpur University	12 Months
44	Integrated M.Sc. In Physics	PRAG RANJAN DAS	Photocatalytic degradation of congo red dye from aqueous environment using tungsten disulphide nanosheets	Tezpur University	06 Months
45	Integrated M.Sc. In Physics	BHASKAR JYOTI KALITA	Photocatalytic degradation of congo red dye from aqueous environment using tungsten disulphide nanosheets	Tezpur University	06 Months
46	Integrated M.Sc. In Physics	BHASWATI KALITA	Photocatalytic degradation of congo red dye from aqueous environment using tungsten disulphide nanosheets	Tezpur University	06 Months
47	Integrated M.Sc. In Physics	PRARTHANA PUZARI	Photocatalytic degradation of congo red dye from aqueous environment using tungsten disulphide nanosheets	Tezpur University	06 Months
48	Integrated M.Sc. In Physics	PRITOM KUMAR NATH	To design a photosensitive circuit using ldr & study the variation of resistance of the ldr with different light intensities.	Tezpur University	06 Months
49	Integrated M.Sc. In Physics	DHRITISHMAN HAZARIKA	To design a photosensitive circuit using ldr & study the variation of resistance of the ldr with different light intensities.	Tezpur University	06 Months
50	Integrated M.Sc. In Physics	LAKSHYA PRATIM BORA	To design a photosensitive circuit using ldr & study the variation of resistance of the ldr with different light intensities.	Tezpur University	06 Months



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51	Integrated M.Sc. In Physics	JUGANTA JANAM GOGOI	To design a photosensitive circuit using ldr & study the variation of resistance of the ldr with different light intensities.	Tezpur University	06 Months
52	Integrated M.Sc. In Physics	JOYSHREE HANDIQUE	Determination of coefficient of thermal expansion of copper wire using fiber optics sensors	Tezpur University	06 Months
53	Integrated M.Sc. In Physics	HIMASHREE SAIKIA	Determination of coefficient of thermal expansion of copper wire using fiber optics sensors	Tezpur University	06 Months
54	Integrated M.Sc. In Physics	HORSITA KALITA	Determination of coefficient of thermal expansion of copper wire using fiber optics sensors	Tezpur University	06 Months
55	Integrated M.Sc. In Physics	MILAN CHETRY	Determination of coefficient of thermal expansion of copper wire using fiber optics sensors	Tezpur University	06 Months
56	Integrated M.Sc. In Physics	ARNAB JAN BAISHYA	Dip-coating technique for the development of PvdF thin film	Tezpur University	06 Months
57	Integrated M.Sc. In Physics	HEMANTA KUMAR SAIKIA	Dip-coating technique for the development of PvdF thin film	Tezpur University	06 Months
58	Integrated M.Sc. In Physics	INDRA KUMAR SAHU	Dip-coating technique for the development of PvdF thin film	Tezpur University	06 Months
59	Integrated M.Sc. In Physics	SURAJIT RABHA	Monte-Carlo study of a Simple model of Corrosion of Waste Disposal Glass	Tezpur University	06 Months
60	Integrated M.Sc. In Physics	DEBASISH DUTTA	Monte-Carlo study of a Simple model of Corrosion of Waste Disposal Glass	Tezpur University	06 Months
61	Integrated M.Sc. In Physics	MRINAL JYOTI POWDEL	Monte-Carlo study of a Simple model of Corrosion of Waste Disposal Glass	Tezpur University	06 Months
62	Integrated M.Sc. In Physics	VISHRUT BEZBARUA	IR properties of PnE with PG-1159 stars	IIA, Bengaluru	03 Months
63	Integrated B.Sc. B.Ed. In Physics	HIMANGSHU SAIKIA	Resistant dependent intensity variation of Light Emitting Diodes	T. U. 06 Months	06 Months
64	Integrated B.Sc. B.Ed. In Physics	PADMINI PRIYANKA	Resistant dependent intensity variation of Light Emitting Diodes	Tezpur University	06 Months
65	Integrated B.Sc. B.Ed. In Physics	SIDDHANTA PHUKAN	Resistant dependent intensity variation of Light Emitting Diodes	Tezpur University	06 Months
66	Integrated B.Sc. B.Ed. In Physics	FAHIM AHMED	Resistant dependent intensity variation of Light Emitting Diodes	Tezpur University	06 Months
67	Integrated B.Sc. B.Ed. In Physics	SAMIC HUNG PONGYANG SUBBA	Demonstration Of a rechargeable aqueous Aluminum-metal battery with exfoliated graphite cathode	Tezpur University	06 Months
68	Integrated B.Sc. B.Ed. In Physics	GOURAV DAS	Demonstration Of a rechargeable aqueous Aluminum-metal battery with exfoliated graphite cathode	Tezpur University	06 Months
69	Integrated B.Sc. B.Ed. In Physics	TRISHNA RAY	Demonstration Of a rechargeable aqueous Aluminum-metal battery with exfoliated graphite cathode	Tezpur University	06 Months
70	Integrated B.Sc. B.Ed. In Physics	SHUBHAM JHA	Demonstration Of a rechargeable aqueous Aluminum-metal battery with exfoliated graphite cathode	Tezpur University	06 Months


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