



Midnapore City College

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Kuturiya, Bhadutala, Midnapore, 721129, PaschimMedinipur, West Bengal, India

Details of Dissertation Papers

Department: Pure and Applied Science Subject: Physics Session: 2020-21

Sl No.	Title	Author	Supervisor
01	X-ray emission from supernova remnants	Payel Kumar SaikatMaity PallabSantra	Dr. Sabyasachi Pal
02	Study of timing and spectral features using INSIGHT-HXMT for blackholes/pulsars	Syantika Chowdhury ShipraMaity	Dr. Sabyasachi Pa
03	Properties of blackholes/pulsars: A study of various properties using XMM Newton	Biswajit Ghosh Sourav Deb Puja Panigrahi NileemaChakraborty JayashreeSasmal	Dr. Sabyasachi Pa
04	High energy emission from blackholes/pulsars using Integral	Pijush Biswas Priya De ParthapradipTripathi	Dr. Sabyasachi Pa
05	Study of earth-quake precursors using Very Low Frequency (VLF) signal	Anusuya Mukherjee Akash Pal Arpan Mal SoumyadipBera	Dr. Sabyasachi Pa
06	Study of various atmospheric parameters using INSAT D	Santu Ghosh Deep Dhal SubhadipSamanta Swarup Bera PiyaliBegam	Dr. Sabyasachi Pa
07	Orbital parameters of X-ray pulsars	Saikat Das Anisha Banerjee Subhadeep Dutta	Dr. Sabyasachi Pa
08	Survey of complex molecular lines from the low mass protostar	Soumyadip Banerjee	Dr. Sabyasachi Pa
09	Search for butterfly galaxies (Group A)	SumanMahapatra KamaleshDinda Meghachowdhury Sourav Kumar Bera Kushadhvaj Jana Malay Mondal	Dr. Sabyasachi Pa
10	Search for butterfly galaxies (Group B)	Madhushree Das ManasKoley	Dr. Sabyasachi Pa

		SubhajitBarik SayanTripathy SupramitDolai	
11	Various epidomological models related to spread of Covid 19	Satyasadhan Khan SubrataGoswami ShilpiSahoo	Dr. Sabyasachi Pa
12	Design and develop a DC powered induction furnace for solid state reactions	SuwenduMaiti MainakMaity Sayan Kumar Pal	Dr. Saptarsi De
13	Design and develop an atmospheric RF plasma generator	AninditaGiri Biswajit Das AtanuSamanta PriyankaTunga ManikaMondal Pintu Dey Kaustav Pal	Dr. Saptarsi De
14	Constant Voltage Constant Current (CVCC) Circuit using OP-AMP for Biasing a N-MOSFET: A Read-Out Interface Circuit (ROIC) for Sensor Signal	BhairabMandal Sabyasachi Ghosh MantuKander Sagar Show DebanandaMondal	Dr. Atanu Das
15	Study of Gallium Based Liquid Metal (GaInSn) Based Electrochemical Sensor	Kamalesh Bag Rahul Kumar Mandal Riya Patra Piu Pan Mridula Chatterjee Sudipta Banerjee Gobinda Das RauniParua	Dr. Atanu Das
16	Computational (Quantum mechanical) study of electrical and optical properties for a given materials (Group/ material A)	Ipsita Banerjee SujitChakraborty Shanwli Mallick ArpitaSantra Snehasish Ghosh IlaBhaumik Sanchari Thakur	Dr. Saptarsi De
17	Design and develop a Hydrogen generator PEM cell	ArunimaMaity Amit Samanta Sourav Manna PremangshuMaity Umasankar Mal Sayan Jana Abhijitpandey	Dr. Saptarsi De
18	Survey on solid state chemical sensors	ArundhatiGiri DebaratiSamanta Payel Ghosh Ankita Pal Arpan Adak Gouranga Manna SilpayanSatapati	Dr. Saptarsi De

19	Study and development of extraction process of metallic elements from waste Li-battery cell	MD Mostafizur Rahman Ritam Chatterjee SukhenduMaiti MunshiRabah Hassan Swarupananda Das SrikrishnaMondal ArnabKoley BibekMalgope Bidhan Chandra Atta Mir AsjarRahaman	Dr. Subhendu Kumar Manna
20	To study the performance of a supercapacitor using molecular dynamics simulation	Tufan Dey Agamoni Das Debjani De SukumarRana Subrata Shit HirakMahata Arjit Bhunia	Dr. Subhendu Kumar Manna