

Thesis Submissions of M.Sc.Ph.D.DD - Energy Science and Engineering

Submission Year	RollNo	Name	Project	Thesis Title
2012	07I17002	Gopal Chandra Sahu		Energy and Water Conservation for Process Industries
2014	07I17005	Vashi Mant Sharma		Effects of Shading and Blocking in Line Focusing Solar Concentrator Fields
2014	07I17007	Dheerendra Kumar Singh		Heterogeneous Catalysis for Biodiesel Synthesis and Valorization of Glycerol
2015	07I17008	Uttam Kumar Sen		Nano-structured Transition Metal Oxide and Sulfide based Materials as High Capacity. Lithium-ion Battery Electrodes
2015	08I17003	Debanand Singdeo		Modelling of High Temperature Polymer Electrolyte Fuel Cell
2015	08I17007	Sourav Khanna		Deflection and Stresses in Absorber Tube of Parabolic Trough Concentrator
2015	08I17009	Joydev Manna		Catalysis on Sodium Borohydride Hydrolysis
2015	08I17010	Ramesh Kumar Singh		Electrochemical Studies on the Stability and Activity of Cathode Catalysts for Low-temperature Fuel Cells
2015	10I17015	Subhanker Paul		Reduced Order Model for Nonlinear Stability Analysis of Natural Circulation Loop
2016	07I17003	Som Mondal		Laser Assisted Processes for Silicon Solar Cell on Low Quality Substrate
2016	07I17004	Suranjan Sen		Fluorescent ZnS:Mn nanoparticles for wavelength shifting
2016	08I17006	Dip Kumar Nandi		Atomic Layer Deposition of Transition Metal Binary Compounds for Energy Application
2016	09I17004	Archana Sinha		Non-destructive Characterization with Distributed Electrical Modelling and Simulation of Encapsulant Degradation in Silicon Photovoltaic (PV) Modules
2016	09I17006	Ashish Mani Mishra		Non-linear Stability Analysis of Two-Phase Flow in Parallel Channel System
2017	09I17002	Sumanshu Agarwal		DEVICE PHYSICS AND PERFORMANCE OPTIMIZATION OF PEROVSKITE SOLAR CELLS
2017	09I17007	Pavan Srinivas Veluri		Nanostructured Materials for Energy Storage
2017	10I17003	Ruttala Devivaraprasad		Surface Electrochemistry and Stability of Shape-controlled Pt Nanoparticles - Relevance to Oxygen Reduction Reaction
2017	10I17019	Vikas Pandey		Detailed Bifurcation Analysis of Dynamical System of Nuclear Reactors
2018	10I17004	Tathagata Kar		Electrochemical reduction of graphite oxide in aqueous electrolytes – surface electrochemistry relevant to electrocatalysis

2019	08I17005	Vishnu Kant Bajpai	Role of Nickel Seed Layer Characteristics in Plated Copper Contacts for c-Si Solar Cells
2019	10I17001	Marshal Maskarenj	Assessment of Sky Luminance for Indoor Daylight Modeling
2019	10I17007	Arpan Kumar Dhara	Atomic Layer Deposited 3D Nanostructured Materials for Efficient Energy Storage
2019	10I17008	Pranay Biswas	Analytical Solutions of Fourier and Non-Fourier Heat Conduction Problems with Time-Dependent Boundary Conditions
2019	10I17018	Binayak Roy	Thermolysis of ammonia borane and the role of support materials and additives
2019	11I170014	Arup Chakraborty	Electrochemical estimation of active site density of metal-free carbon-based catalysts and its validation through determination of the rate constant of a redox reaction
2019	11I170016	Bapi Bera	An Electrical and Electrochemical Investigation of the Factors Governing Electrocatalysis of Oxygen Reduction Reaction with Non-precious Metal Catalysts
2019	11I170017	Ansuman Halder	Perovskite Materials and Perovskite Based Devices
2019	11I170018	Subinoy Roy	Spatial Investigation and Analysis of Shunts and Finger Breakages in Crystalline Silicon Photovoltaic Modules

Send comments/suggestions to [ETD Administrator](#)