

## Ph. D. Degree Awarded during July 2018- June 2019

### DEPARTMENT OF COMPUTER APPLICATIONS

Sl. No.	Thesis Title	Name of the Scholar	Supervisor(s)
1.	Modelling of Reliable Data Communication Using Information Hiding Techniques	SUSMITA MAHATO	Dilip Kumar Yadav, Danish Ali Khan
2.	Operational Profile based Software Reliability Modeling Using Fuzzy Logic	AMRITA	Dilip Kumar Yadav
3.	Integrated Inventory Model for buyer-vendor under the different situation	DEBASIS KUMAR	Danish Ali Khan

### DEPARTMENT OF ELECTRICAL ENGINEERING

Sl. No.	Thesis Title	Name of the Scholar	Supervisor(s)
1.	Study and design of different control strategies for automatic generation control of power system	Idamakanti Kasireddy	Prof. Arun Kumar Singh
2.	Model based fractional order controller	Abdul Wahid Nasir	Prof. Arun Kumar Singh
3.	Automatic Generation Techniques of power system using Intelligent techniques	Satya Dinesh Madasu	Prof. Arun Kumar Singh
4.	Optimization Based Approaches for Congestion Management in Deregulated Power System Environment	Kaushik Paul	Prof. Niranjan Kumar
5.	Cost Effective Load Dispatch Solution of Power System using Intelligent Techniques	Siva Naga Malleswara Rao D	Prof. Niranjan Kumar
6.	Development of solar model for predicting solar radiation	Nilesh Kumar	Dr. Umesh Kumar Sinha
7.	Modeling and simulation of cylindrical parabolic trough collector for power generation	Yogesh Kumar Nayak	Dr. Umesh Kumar Sinha, Dr. P. KUMAR

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Sl. No.	Thesis Title	Name of the Scholar	Supervisor(s)
1.	Design and Development of Meta-Surface using Soft Computing Optimization Techniques	Mr. Prakash Ranjan	Prof (Dr.) A. Choubey
2.	Design and Analysis of Optimized High-Gain and High- Bandwidth Waveguide Longitudinal Slot Array (WLSAA) for Single and Multi Band Applications in X-band	Mr. Hare Ram Jha	Prof. (Dr.) S.N. Singh

## DEPARTMENT OF MATHEMATICS

Sl. No.	Thesis Title	Name of the Scholar	Supervisor(s)
1.	Integrated Inventory model for buyer-vendor under the different situation	Dr. Devashish	Prof. D. A. Khan & Prof. Tarni Mandal

## DEPARTMENT OF MECHANICAL ENGINEERING

Sl. No.	Thesis Title	Name of the Scholar	Supervisor(s)
1.	Heat transfer augmentation in three sides inclined wire roughened solar air heater	Ravi Kumar	Dr. B.N. Prasad & Dr. Laljee Prasad
2.	Thermal performance of double flow corrugated absorber plate solar air heater	Somnath Saha	Prof. S.P.Sharma
3.	Studies on Thermal Performance of a Vertical Co-axial Earth air Heat Exchanger	Ravi Ranjan Kumar Singh	Prof. R.V.Sharma
4.	Thermodynamics Performance Prediction of Cooled Gas Turbine Cycle Based Power Plants	Shivam Mishra	Prof. Sanjay
5.	Exergoeconomic Analysis of Air Film Cooled Complex Gas Turbine Based Power Plants	Mithilesh Kumar	Prof. Sanjay
6.	CFD Analysis on Thermal Performance Characteristics of Roughened	Rajiv Ranjan	Prof. Mani Kant

	Solar Air Heater		Paswan
7.	Investigation of Heat Transfer and Flow Friction Characteristics of Solar Air Heater with Packed Bed	Vimal Kumar Chouksey	Prof. S.P. Sharma
8.	Performance Evaluation of Solar Air Heating System Using Artificial Neural Network	Harish Kumar Gritlahre	Prof. R.K. Prasad

### DEPARTMENT OF METALLURGICAL & MATERIALS ENGINEERING

Sl. No.	Thesis Title	Name of the Scholar	Supervisor(s)
1.	Recovery of Iron Values with the Advanced Characterization and the Reduction Kinetics of Banded Hematite Jasper of Ghatkuri (Gua), West Singhbhum, Jharkhand, India with Coal	Sanjeev Kumar Das	Prof. Ranjit Prasad
2.	Cost Effective Tinplate Cans through Optimization of Critical Parameters.	Sourajyoti Dey	Prof. Mahesh Kumar Agarwal

### DEPARTMENT OF PRODUCTION & INDUSTRIAL ENGINEERING

Sl. No.	Thesis Title	Name of the Scholar	Supervisor(s)
1.	Analysis of drivers and barriers to implement lean green manufacturing system in Indian SMEs	Piyush Jaiswal	Prof. Amaresh Kumar
2.	Investigation of Different Responses on Incoloy 800HT Alloy by Electric Discharge Machining (EDM) Process	Sourabh Sinha	Prof. Amaresh Kumar, Dr. Raj Ballav
3.	Experimental Investigation and Optimization of Welding Parameters on TIG Welding of Stainless Steel AISI 304 Plate	Sanjay Kumar	Dr. D. Patel, Dr. S.B.Prasad
4.	Investigation on The Effect of Mechanical Vibration in Mild steel weld pool	Pravin Kumar	Dr. D. Patel, Dr. S.B.Prasad