

- Research Projects, Consultancies, Research Activities, Research Areas, Milestones achieved, List of Ph.D. Thesis, M.Tech. /M.Sc./MBA/M.A. Dissertation, List of Ph.D. students registered with Topic & Supervisor details etc.

Research Projects

S. No	Name of the Research Project	Funding Agency	Amount Sanctioned (in ₹)	Status
1.	Simulation and Performance Evaluation of Vapour-Compression-Absorption (VCA) Hybrid Refrigeration System for Cooling and Heating Applications	Council of Scientific & Industrial Research, New Delhi, India (2years)	5,10,446/-	Completed
2.	UGC-BSR Research Start Up Grant	University Grants Commission , New Delhi, India	6,00,000/-	Ongoing

PhD Thesis Details (On Going)

S. No	Name of Registered PhD Students	Thesis Topic	Name of the supervisor
1.	Mr.Atin Kumar Pathak	Solar Energy Utilization for Wastewater Treatment and its Application for Bio-energy Generation	Dr. Vineet V. Tyagi & Dr. Sanjeev Anand
2.	Mr.AdityaChauhan	Thermal Modeling and Experimental Validation of PV/Thermal System for Different Applications	Dr. Sanjeev Anand & Dr.Vineet V. Tyagi
3.	Mr.Kapil Chopra	Thermal Performance	Dr.Vineet V. Tyagi

		study of heat pipe solar collector system with TES for Air/Water heating application	
4.	Mr.SahilThappa	Course Work in Progress	Dr.Sanjeev Anand

Research/Training Activities

S. No	Name of the Activities	Agency
1.	Summer Trainings of M.Tech Students	NHPC, Sharika Enterprises, Power Grid Corporation of India , IIT Roorke, National Institute of Solar Energy (NISE)-Gurugram, Baba Ghulam Shah Badshah University, Rajouri (J&K), JAKEDA etc.
2.	Industrial Visits	Salal Hydropower Project, Guest Lecture at IIT Jammu
3.	Dissertation work	Design and Fabrication of Experimental set ups like Solar Air Dryer, Desalination Units, Photo Bio-reactor etc.
4.	Guest Lectures (Experts From Universities of Repute, Industries and Entrepreneurs)	Expert of Different areas including, Buildings, Solar PV, Energy Policies etc.
5.	Hands on workshops on MATLAB, Entrepreneurship Skill Development Programme	Shri Mata Vaishno Devi University

M.Tech Dissertation Details

S. No	Entry Number	Name of Registered Students	Dissertation Topic	Name of the Supervisor
1.	16MRE001	Sanjay Sharma	Energy and exergy quantification of parabolic trough collector based solar thermal power plant	Dr.Sanjeev Anand
2.	16MRE002	Aman Gupta	Synchronization and parallelization of Generators	Dr. Sanjeev Anand
3.	16MRE003	Akhil Sharma	Experimental	Dr. Ankush

			analysis of 'V' grooved solar dryer using energy and exergy analysis	Gupta
4.	16MRE004	Rakesh Gupta	Optimisation of the growth of Microalgae in Flat plate photo-bioreactor	Dr. Vineet V. Tyagi
5.	16MRE005	ShaivyaManhas	Design and fabrication of double basin single slope ETC based desalination system with and without reflectors	Dr. Vineet V. Tyagi
6.	16MRE006	Swarn Veer Singh Jaral	Optimal Planning of Small Hydro Power Project	Dr. Sanjeev Anand
7.	16MRE007	Aman Sharma	Evaluation and comparison of two solar PV technologies for power generation	Mr. Amit Verma
8.	16MRE009	OshinChatta	Comparative experimental study on greenhouse dryer and indirect solar dryer.	Dr. Ankush Gupta
9.	16MRE010	AnamMukhtar	Thermal Analysis of Solar Air Heater With Different Roughness Geometries	Dr. Vineet V. Tyagi
10.	16MRE011	Vaundhra Gupta	Energy auditing of academic blocks of SMVD university	Mr. Amit Verma
11.	16MRE012	Syed Rabia	Performance and evaluation of different PV panels in different rural areas	Mr. Amit Verma
12.	16MRE013	Afshan Rashid	Design and fabrication of	Dr. Vineet V. Tyagi

			Parabolic Dish Collector For Efficient Solar Desalination System	
13.	16MRE014	Pankaj Sharma	Energy saving opportunities in different sectors to promote energy efficiency	Dr. Ankush Gupta