

Active Ph. D student data as on Feb . 2023

A) details of no. of students pursuing the Ph. D in various departments as on Feb 2023

Civil Engg Department

Sr	Name of Ph. D student	Name of guide	Title of Thesis	Category	Part time/Full time
1	Miss. Venushree S. Khanke	Prof. Dr. S.N. Tande	Static and Dynamic Analysis of Functionally graded skew sandwich plates with initial geometric imperfections	NDF	Full time
2	Nikhil S. Bembade		Linear and Nonlinear Performance of concrete filled double steel tubular columns	NDF	Full time
3	Salunkhe Mahesh Suryajirao		In-elastic Seismic Design of Reinforced Concrete Structures using Rigid-Plastic Method	SU	Part time
4	Desai Ravindra Maruti		Nonlinear seismic reliability and fragility analysis of steel-concrete composite structures	SU	Part time
5	Abhijeet Vilas Sutar.		Effect of Track-Bridge Interactions on Steel Girder Railway Bridge Subjected to Dynamic Loading.	ADF	Full time
6	Mrs. Yugandhara Ajit Salunkhe	Prof. Dr. P. G. Sonavane	study on kinetics and mechanism of cost effective alternatives for enhancement of biometanation of distillery waste"	SU	Part time
7	S.B.Hivarekar	Dr. G. R. Munawalli	"Studies on Water Treatment by Clay Filter Impregnated with Natural Materials "	SU	Part time
8	B.R. Kavathekar		"Studies on Domestic Wastewater Treatment by	SU	Part time

			Hybrid Biorack Wetland Systems "		
9	Rohit Mangalekar	Dr. K. S. Gumaste	Studies on Hydraulic Reliability and cost optimizaion in the design of water supply systems for high-rise residential buildings	NDF	Full Time
10	Mr. Amol Kulkarni	Dr. V. D. Salkar	Integrated Approach for water Conservation in Sugar Industries of Western Maharashtra	SU	Part time
11	Digambar Balasaheb Patil.	Dr. S. B. Kadam	Computational Investigation of the Flood on a Reinforced Concrete Highway Bridge.	ADF	Full time
12	Pooja Prakash Joshi		Study of Effectiveness of Steel Plate-Concrete Composite Shear Walls in Building System based on Seismic Analysis	SU	Part time
13	Gomtesh Sharad Patil		Soil Structure Interaction of the Building System resting on soft soil	SU	Part time
14	Rajendra Kamble	Dr. C. B. Pol	Development of Limit state methodology for design of PEB and Composite PEB structures	SU	Part time
15	Makarand Gujar		Development of Green Materials for structural applications	SU	Part time
Mechanical Department					
16	Nangare Sudhir Pandurang	Prof. Dr. B. S. Gavali	"Development and Testing of Multi Pulse Tube Cryocooler with Oil Free Compressor "	QIP	Full Time
17	Malwe Prateek Deoman		"Energetic and Exergetic Assessment of a Cold Chain System for an Agricultural Product – Raisins "	NDF	Full Time

18	Choudhari Mahmadrafik Sajjadahmad	Prof. Dr. U. A. Dabade	"Heat Transfer and Fluid Flow Analysis of Oscillating Flow Heat Exchanger - Pulse Tube Refrigerator "	NDF	Full Time
19	Dhalait Rustum Sikandar		"Theoretical and Experimental Analysis of Low Temperature Power Cycle for Waste Heat Recovery "	NDF	Full Time
20	Deshmukh Nandkishor Sheshrao		"Numerical and Experimental Investigation of Liquid Desiccant Cooling System "	NDF	Full Time
21	Mr. Abhijeet R. Shinge		Experimental Investigations and validation in micro milling of Aluminium alloy micro channels	SU	Part Time
22	Mr. Rahul C. Bhedasgaonkar		"Experimental Investigation on Performance of Hybrid Nano Green Cutting Fluid in Machining of Difficult- to-Cut Material under Minimum Quantity Lubrication"	SU	Part Time
23	Manisha N. Alatkar	Optimization of surface finish and mechanical properties of polylactic acid (PLA) and polyethylene terephthalate glycol (PETG) products processed by additive Manufacturing	SU	Part time	
24	Supriya Krishna Darekar	Dr. S. U. Sapakal	Investigation of Part Characteristics using Additive Manufacturing Process for Comparative Study	SU	Part Time
25	Anand Sudhir Shivade		Application of Industrial Engineering Tools to Gear	SU	Part Time

			Box Manufacturing Industry for Productivity Improvement		
26	Mahesh Sadashiv Shinge		Effective Metaheuristics for Job Shop Scheduling Problem	SU	Part Time
27	Nitin Somnarayan Chityal		Investigation of Bushing Geometry and Thrust Force in Friction Drilling by Experimental and Optimization Approaches	NDF	Full Time
28	Rutuja Krishnat Shivdas		Performance Analysis of Reconfigurable Manufacturing System (RMS) for System Design and Operation	NDF	Full Time
29	Jitendra Govind Shinde	Dr. M. M. Khot	Design, Development and experimental investigation of miniature moving magnet pulse tube cryocooler.	SU	Part Time
30	Vijayshingh Balaso Suryawanshi		Design, Development and experimental investigation of miniature moving coil pulse tube cryocooler	SU	Part Time
Electrical Engineering					
31	Mr. R. D Thombre		Design, analysis, and control of bidirectional power converter for hybrid ac/dc micro-grid system.	QIP	Full Time
32	Mr. Jagtap S. R	Dr. D. S. More	Design and development of reliable switching power converters by real time switch open-circuit and short-circuit fault diagnosis and fault tolerant control.	QIP	Full Time
33	Mr. S. S. Mopari		Analysis of impact of surges and harmonics on the insulation of converter transformer	QIP	Full Time
34	Mr. K. S. Shedbalkar		Development and Analysis of day ahead power forecasting technique for solar photovoltaic system.	QIP	Full Time
35	Mrs P. R. Jadhav		Optimization Technique based Load Scheduling in	QIP	Full Time

			Customer Driven Microgrid”		
36	Mrs D. R. Chavan		Low frequency electrical energy disaggregation in NILM using machine learning approach	NDF	Full Time
37	Mr. Vikas Sukhadev Bhandare	Dr. M. M. Waware	Development and performance analysis of modular multilevel converter for grid integration with hybrid source	SU	Part Time
38	: Mr. Uday Tanajirao Patil		Development of Modular Multilevel Converter (MMC) based DC Microgrid of Distributed Energy Resources for Electric Vehicle Charging	SU	Part Time
39	Mrs. Amaraja Aniket Dhamangaonkar	Dr. R. P. Hasbe	Smart Battery System for Electric Vehicle	SU	Part Time
40	Mrs Yogini Nilesh Bhosale		Effective Relay coordination in Hybrid Distribution System	SU	Part Time
Electronics Engg. Department					
41	Mrs. Tejswi Mahaling Jadhav	Prof. Dr. S. S. Deshpande	Circular Polarization Planer Inverted-F Antenna using Reactive Impedance Surface	SU	Part Time
42	Mrs. Vilbha Sachin Patil		Design of Control Mechanism for Power Saving with Configurable Architecture	QIP	Full Time
43	Mrs. Supriya Diwan		Development of NMPC Algorithm on FPGA using PSO for Nonlinear Fast Dynamic Systems	QIP	Full Time
44	Ms. Sheetal U. Pawar	Dr. B. G. Patil	Development of an Intelligent Framework for Pulmonary Nodule Detection and Classification	NDF	Full Time
45	Mr. Chanchal Patil	Dr. S. D. Ruikar	Develop an algorithm for Face recognition with feature extraction using 3D-DWT and CNN with depth information and contour Map	SU	Part Time

46	Ms. Mrunmayee Daithankar		Development of video super resolution algorithm in wavelet domain using neural network	NDF	Full Time
47	Mr. Sarade Shrenik Suresh		Development of wideband massive Multi-band MIMO Antenna for millimeter wave	QIP	Full Time
48	Inamdar Mirojoddin Usman		Design and Development of an Intelligent Algorithm for trust management in M2M Communication towards IOT	QIP	Full Time
Computer Science and Engineering					
49	Mrs C A Laukar	Dr. P. J. Kulkarni	Efficient Classification of Scene Images Using Semantic Approach	SU	Part Time
50	"Ms. Gitanjali S. Salunkhe"	Prof. Dr. D. B. Kulkarni	Benchmark validation and profiling of Heterogeneous HPC platform	SU	Part Time
51	Ms. Deepali D. Aolkar		Predictive analysis of very large unstructured data on parallel platform	SU	Part Time
52	Sayyad SuhelShabbirhusain		Design And Development Of Secure Neural Network Learning System On Many Enabled Hpc In Cloud	SU	Part Time
53	Siddheshwar Patil		Development of parallel algorithms for solving graph theoretic problems	QIP	Full
54	Ms Priyanka Lanjewar	Dr. B. F. Momin	Design and Development of Soft Set based Algorithm for Machine Learning.	NDF	Full
55	Shri. Abhyankar Parag Prabhakar		"Characterization of non-vigilance of individual or mass audience in monotonous environment"	SU	Part Time
56	"Shri. Prashant Maruti Yelmar		development of computational framework for social network analysis & mining	SU	Part Time

57	Mrs. Arifa J. Shikalgar	Dr. Mrs. S. P. Sonavane	Design and Development of Deep Learning Computational Model for Dimensionality Reduction of Heterogeneous Data	QIP	Full Time
58	Sangita B Nemade		Semantic Image Annotation Using Deep Learning	QIP	Full Time
Humanities					
59	Sangram S Nalavade	Dr. S. B. Josh	Study of the properties of subclasses of univalent functions	SU	Part Time
60	Vasudha B Girgaonkar		Study of certain subclasses of analytic and bi-univalent functions	SU	Part Time