



Government College of Engineering

Station Road, Osmanpura, Aurangabad-431005

[An Autonomous Institute of Government of Maharashtra]

Phone:(0240) 2366111

Fax:(0240) 2332835

Web-http://www.geca.ac.in

List of students admitted to Ph.D. in Government College of Engineering Aurangabad (52 Completed + 78 ongoing = 130 Total) 24/11/2022

Sr. No.	Name of Research Scholar	Full Time / part-time	Guide Allotted	Topic of Research	Date of Admission	Completed/ Not completed
Civil Engineering						
1.	Nikam Neelkanth Gopalkrishna	Part Time	Dr. D.G.Regulwar	Conjunctive use of surface and ground water in fuzzy environment for sustainable irrigation planning	30/07/2008	Completed
2.	Patil Santosh Kalyanrao	Part Time	Dr. S.S.Valunjkar	Rainfall-Runoff Analysis Using Soft Computing Techniques.	August 2009	Completed
3.	Sapkal Ramesh Shankarrao	Part Time	Dr.S.S.Valunjkar	Water Quality Index For Evaluation of River Water Quality for Drinking Purpose.	Sept-2009	Ongoing
4.	Theete Ajit Ramrao	Part Time	Dr. D.G.Regulwar	A Decision Support System for Sustainable Water Resources Management in River Basin under Fuzzy Environment	August 2009	Ongoing
5.	Mohammed Sadeque Md. Ishaque	Part Time	Dr.K.A.Patil	Experimental Evaluation of Bitumen and Bituminous Concrete by Using Different Additives.	July-2010	Completed

6.	Patil Ganesh Keshavarao	Part Time	Dr. P.A.Sadgir	Water Treatment With Biocoagulant And Bioadsorption.	19/07/2010	Completed
7.	Sarda Purushottam Radhesham	Part Time	Dr. P.A.Sadgir	Reservoir Water Quality Modeling Using ANN And Multiple Linear Regression.	20/07/2010	Completed
8.	Kharat Pallavi Vishnu	Full Time	Dr. R.V.Shetkar	Vaporation Modeling In Reservoir Using Data Driven Technique.	07/09/2013	Completed
9.	Vikhe Subhash Dhuraji	Full Time	Dr.K.A.Patil	Integrated Remote Sensing and GIS in Erosion Evaluation for Land Use Planning in River Basin	03/10/2013	Completed
10.	Dabhade Pushpak Dilip	Part Time	Dr. D.G.Regulwar	Sustainable Multiobjective Multi Reservoir Operations	05/09/2013	Completed
11.	Gandhare Kishor Udhaorao	Part Time	Dr. R.V.Shetkar	Hydropower Reservoir Simulation Studies After Lowering Power Mddl	05/09/2013	Ongoing
12.	Kankal Sandeep Bhimrao	Part Time	Dr. P.A.Sadgir	Optimal Removal of Heavy Metal Pollutants From Aqueous Solutions Using Locally Available Low Cost Adsorbents	05/09/2013	Ongoing
13.	Patil Rajendra Amagonda	Part Time	Dr. R.V.Shetkar	Prediction of Sediment Deposition In Reservoir Using Data Driven Techniques	07/09/2013	Completed
14.	Saraf Vidya Rohidas	Part-Time	Dr. D.G.Regulwar	Evaluating Potential Impact of Climate Change on Hydrological Variables in Upper Godavari River Sub Basin, India using SWAT	05/09/2013	Completed

15.	Shinde Sunil Dattatraya	Part Time	Dr.K.A.Patil, Dr. P.A.Sadgir	Study of Impact of Polluted River Water on Ground Water and Its Suitability For Irrigation	06/09/2013	Completed
16.	Agale Priyanand Kachru	Part Time	Dr. P.A.Sadgir	Compact System of Open Channel for Polluted Water Purification .	22/09/2014	Completed
17.	Ansari Ahmed Iqbal Mohammad Abid	Part Time	Dr.K.A.Patil	Evaluation of Thermal Performance Model for Assessment of Thermal Comfort in Building.	22/09/2014	Completed
18.	Kumawat Hastimal Shivaji	Part Time	Dr. D.G.Regulwar	Multiobjective Optimization of Multireservoir System for River Basin Management.	22/09/2014	Ongoing
19.	Lamb Prasad Balbhim	Part Time	Dr. P.A.Sadgir	Reduction of Fluoride Ion From Water by Utilization of Natural Bioadsorbent.	22/09/2014	Ongoing
20.	Nagargoje Sonali Ramkrishna	Part Time	Dr. D.G.Regulwar	Uncertainty Estimation In Hydrological Modeling of Watershed in Godavari River Basin in India	23/09/2014	Ongoing
21.	Rashmita Srinivasan	Part Time	Dr. P.A.Sadgir	Lead Removal Efficiency by Using Bioadsorbent and an Alternative Material	22/09/2014	Completed
22.	Survase Shilpa Rajgopal	Part Time	Dr. D.G.Regulwar	Multiobjective Optimization for Optimal Reservoir Operation	22/09/2014	Ongoing
23.	Mohd. Naseem Ahmed Abdul Kareem	Part Time	Dr.K.A.Patil	Bearing Capacity Improvement of Soft Clays by Using Reinforcements.	22/09/2014	Ongoing
24.	Raghvendra	Full-Time	Dr.D.G.Regulwar	Experimental investigations on combined effect of Polythene & Steel Slag aggregates on Bituminous mixes in flexible pavement	August 2019	Ongoing

25.	Pranav Bansode	Full - Time	Dr.D.G.Regulwar	Intraseasonal water quality monitoring and analysis of reservoir with spectral sensor attached to UV drone	April 2022	Ongoing
Civil Structure						
26.	Gandhe Gajendra Ramakant	Part Time	Dr. Y.M.Ghugal	Thermo-elastic stress analysis of beams and plates by integral transform technique	26/07/2010	Completed
27.	Jain Indrajeet Mulamchand	Part Time	Dr. R.S.Londhe	Parametric Studies of Tall Buildings Under Lateral Load	17/07/2010	Ongoing
28.	Mangulkar Madhuri Nilesh	Part Time	Dr. S.S.Jamkar	Study of particle packing theories for mix proportioning of concrete	26/07/2010	Completed
29.	Peche Rajesh Tukaramji	Part Time	Dr. S.S.Jamkar	Study of use of grey water on properties of concrete.	17/07/2010	Ongoing
30.	Awsarmal Prashant Ramesh-Patil	Part Time	Dr. R.M.Damgir	Performance & Optimization of Steel Fiber Reinforced Metakaolin Concrete Subjected to Elevated Temperature.	09-02-2012	Completed
31.	Mohammed Ishtiaque Md. Ishaque	Part Time	Dr. M.G.Shaikh	Fracture Properties Of Concrete Reinforced With Mixed Fibers	08-02-2012	Completed
32.	Salunkhe Umesh Sureshchandra	Part Time	Dr. M.G.Shaikh	Fracture Mechanics of Heavy Weight Concrete	08-02-2012	Ongoing
33.	Yerekar Ashok Wamanrao	Part Time	Dr. R.S.Londhe	Experimental Investigations on Viability Study on Behavior of Geopolymer Concrete Beams Reinforced with Geosynthetics Fibres (GPCGSF) under Shear	04-02--2012	Ongoing
34.	Hake Sandeep Laxman	Full Time	Dr. R.M.Damgir	Investigation on mechanical properties of heat curried geopolymer concrete.	22/08/2012	Completed

35.	Syed Wasim Nawaz Razvi Mateen	Full Time	Dr. M.G.Shaikh	Ductile Behavior of RCC structure using ferromesh	22/08/2012	Completed
36.	Karad Reshma Mohanrao	Full Time	Dr. P.B.Murnal	Design guidelines for sliding base isolation systems	07/09/2013	Ongoing
37.	Choudhary Poonam Baburao	Part Time	Dr. M.G.Shaikh	Influence of size, shape and texture of aggregates on fracture parameters of concrete	07/09/2013	Ongoing
38.	Pawar Shrikant Nandlal	Part Time	Dr. P.B.Murnal	Behaviour of RC Beam column joint under lateral loading	22/09/2014	Ongoing
39.	Mohsin Syed	Part Time	Dr. M.G.Shaikh	Durability of concrete structures	2017	Completed
40.	H. A. Admane	Part Time	Dr. P.B.Murnal	Variable Frequency Pendulum Isolator	2018	Ongoing
41.	S. C. Dharmadhikari	Part Time	Dr. S.S.Jamkar	Experimental Investigation on Mix Proportioning of Concrete Using Recycled Concrete Aggregates	2018-19	Ongoing
42.	J.P. Bhandari	Part Time	Dr. S.S.Jamkar	Study of Flexural Parameters of High Strength Reinforced Concrete	2018	Ongoing
43.	Ram Chatorikar	Part Time	Dr. S.S.Jamkar	Study of Durability Aspects Geopolymer High Performance Concrete	2018	Ongoing
44.	Harshal A. Admane	Full - Time	Dr.P.B.Murnal	Experimental Investigation on performance of VFPI	August 2018	Ongoing
45.	Varsha More	Part time	Dr.S.A.Bhalchandra	Nano Concrete	June 2018	Ongoing

46.	Rajesh Shirale	Part time	Dr.S.A.Bhalchandra	Bending, buckling and laminated composite and sandwich beams	December 2014	Ongoing
Mechanical Engineering						
47.	Bhalkikar Nitin Sadashivrao	Part time	Dr. Akarte Milind M.	Evaluating and Benchmarking Collaborative practices: In SMES	Sep 20, 2007	Completed
48.	Ghongade Nilesh Pandharinath	Part time	Dr. R.M.Warkhedkar	Analysis and evaluation of limb alignment in total knee replacement	July 16, 2010	Completed
49.	Khan Subim Nabilal	Part time	Dr. R.M.Warkhedkar	Correlation between BMD and radio intensity of human bones for strength evaluation	July 16, 2010	Completed
50.	Patil Nitin Yashwant	Part time	Dr. R.M.Warkhedkar	Evaluation and assessment of productivity in manufacturing industries using knowledge management.	July 16, 2010	Completed
51.	Rathore Mahesh Mathuraprasad	Part time	Dr. R.M.Warkhedkar	Development of Test protocol for performance characterisation of direct steam generating solar concentrators	July 16, 2010	Completed
52.	Sarange Shreepad Marotrao	Part time	Dr. R.M.Warkhedkar	Modeling and fabrication of porous structure components for bio medical applications by rapid prototyping manufacturing	July 16, 2010	Completed
53.	Waghole Dnyaneshwar Ramchandra	Part time	Dr. R.M.Warkhedkar	Heat transfer analysis and characterization of receiver / absorber of parabolic trough collector	July 16, 2010	Completed

54.	Bachal Atul Suresh	Part time	Dr. R.K.Shrivastava	Improvising Flow Measuring techniques	Feb 06, 2012	Completed
55.	Hambarde Manojkumar Deorao	Part time	Dr. R.K.Shrivastava	Heat transfer enhancement in evaporation using turbulent promoters	Feb 06, 2012	Completed
56.	Kshirsagar Jagdeep Madanrao	Part time	Dr. R.K.Shrivastava	Enhancement of critical heat flux using nanofluides	Feb 06, 2012	Completed
57.	Shinde Krishna Dattrao	Part time	Dr. R.K.Shrivastava	Prevention of corrosion Cathodic protection of steel bar in concrete by sacrificial anodes	Feb 06, 2012	Ongoing
58.	Harne Madhavi Swashikumar	Part time	Dr. R.K.Shrivastava	Experimental investigations on blended fuel in internal combustion engine	Sep 5, 2013	Ongoing
59.	Amratwar Ganagadhar V.	Part-Time	Dr. U.V. Hambire	Modeling of Solar Power & Refrigeration System	03/11/2018	Ongoing
60.	Wankhede Sachin	Part-Time	Dr. S.B. Chikalthankar	Thermal Analysis Fins Structure and Evaluation of Thermal Balance of Transformer and Furnaces	03/11/2018	Ongoing
61.	Chandrashekhar Ingle	Part-Time	Dr.A.M.Nikalje	Experimental Investigation of Properties of Applications of Composites in Automobile	August 2021	Ongoing
62.	Rohit Kolekar	Part-Time	Dr.A.M.Nikalje	Analysis of Heat Transfer through aluminum casted V-shaped fins, with slot and without slot at different angles	August 2021	Ongoing
63.	Seema Borde	Part-Time	Dr.A.M.Nikalje	Mathematical Modeling and experimental investigation of indirect hot water generation	Sept 2022	Ongoing

64.	Shishir Rathod	Part-Time	Dr.A.M.Nikalje	Cryo Assisted Die sink Electrical discharge Process characterization using machine learning	Sept 2022	Ongoing
65.	Kapil Patil	Part-Time	Dr.A.M.Nikalje	Design, Development and analysis of Solar thermal desalination system	Sept 2022	Ongoing
66.	Harshal Chothe	Part-Time	Dr.A.M.Nikalje	Experiment and CFD analysis of effect of curvature ratio on Helical Coil tube Heat exchanger using Nano fluid	Sept 2022	Ongoing
67.	Pankaj Jawale	Part-Time	Dr.U.V.Hambire	Advance Composite	Sept 2022	Ongoing
68.	Chetan Sagar	Part-Time	Dr.U.V.Hambire	Advance Composite	Sept 2022	Ongoing
69.	Shivkumar Chandrashekhar Biradar	Part-Time	Dr.U.V.Hambire	I.C.Engine	Sept 2022	Ongoing
70.	Mohd. Shakeeb Gulam Amjad	Part-Time	Dr.Yogesh Sathe	Design, Development and Experimental Investigation of new Mulching Paper or plastic hole making machine	Sept 2022	Ongoing
71.	Sagar Pradip Kauthalkar	Part-Time	Dr.Yogesh Sathe	Investigation of Operating Performance & Efficiency of Solar PV system over last 20 years and proposing novel design	Sept 2022	Ongoing
72.	Pawan Dhanraj Somavanshi	Part-Time	Dr.Yogesh Sathe	An optimal design and development of electrical vehicle energy storage and conversion	Sept 2022	Ongoing
Electrical Engineering						
73.	Shinde Sanjay Madanrao	Part time	Dr. W.Z.Gandhare	Power quality issues in co generation systems	30/07/2008	Completed

74.	Revankar Praveen Shridhar	Part time	Dr. W.Z.Gandhare	Maximum Power Point Tracking Controller for Photovoltaic Stand alone and Grid Connected	31/08/2009	Ongoing
75.	Deolankar Vinayak Shankarrao	Part time	Dr. W.Z.Gandhare	Partial Discharge Analysis in Oil Filled Current Transformer 145 kV upto 3000Amp	31/08/2009	Completed
76.	Bhole Anita Arun	Part time	Dr. W.Z.Gandhare	Effects of Dynamic properties of circuit breaker on short circuit capacity	17/07/2010	Completed
77.	Dhamse Sanjay Sadashivrao	Part time	Dr. W.Z.Gandhare	Power Quality in Distributed generation	17/07/2010	Ongoing
78.	Jadhav Krishnat Uttam	Part time	Dr. Archana Thosar	Maximum Power Point System for Wind Energy	16/07/2010	Ongoing
79.	Kulkarni Girish Ashok	Part time	Dr. W.Z.Gandhare	Proximity Effects of High Voltage Transmission Lines on Humans	17/7/2010	Completed
80.	Kulkarni Sandhya Sudhakar	Part time	Dr. Archana Thosar	Fault Tolerant Control of Permanent Magnet Synchronous machine	16/07/2010	Ongoing
81.	Markad Satish Ashokrao	Part time	Dr. Archana Thosar	Upgradation of Conventional Grid to Smart grid with an optimal location and size	16/07/2010	Ongoing
82.	Patil Ashwini Khemchand	Part time	Dr. Archana Thosar	Fault Tolerant Control Wind Energy System	16/07/2010	Completed
83.	Patil Laxmikant Sitaram	Part time	Dr. Archana Thosar	Fault tolerant control development and design of three phase induction motor	20/07/2010	Ongoing
84.	Patwardhan Mamta Samir	Part time	Dr. W.Z.Gandhare	Analysis and Improvement of Electrostatic Field Effects on Germination of Tomato Seeds	17/7/2010	Completed

85.	Swami Panchayya Shankarayya	Part time	Dr. Archana Thosar	Residual life assessment of power transformer	16/07/2010	Ongoing
86.	Deshpande Anjali Vasantao	Part time	Dr. V.A.Kulkarni	Performance Analysis of Wind integrated Power System	Feb 2012	Ongoing
87.	Kulkarni Vikas Vitthal	Part time	Dr. V.A.Kulkarni	Performance Analysis of Flexible Photovoltaic(PV) Based System	Feb 2012	Ongoing
88.	Manesh Potdar	Part-Time	Dr. A. G. Thosar	Multi Port Inverter	July -2016	Ongoing
89.	Jyoti Rokde	Part-Time	Dr. A. G. Thosar	Electrical Spring	July -2017	Ongoing
90.	S.V.Murkute	Part-Time	Dr.V.A.Kulkarni	Performance improvement of Photovoltaic Grid interface with advanced control Technique	July 2018	Ongoing
91.	Santosh Muddu	Full - Time	Dr.N.R.Bhasme	Parameter Estimation of Sensorless Induction Machine Drive using various control techniques	August 2019	Ongoing
92.	Sachin Shahapure	Full - Time	Dr.V.A.Kulkarni	Performance Analysis of Renewable Integrated Synchronous Motor Drive	August 2019	Ongoing
Electronics Engineering						
93.	Anil R Karwankar	Part-Time	Dr. Mrs. Anjali S. Bhalchandra	Hand written Character Recognition using Neural Network	06/06/2007	Completed
94.	Ms. Sangeeta Jadhav	Part-Time	Dr. Mrs. Anjali S. Bhalchandra	Digital Image Watermarking	06/06/2007	Completed
95.	Ms Ashwini Bapat	Part-Time	Dr. Mrs. Anjali S. Bhalchandra	Satellite Image Segmentation	06/06/2007	Completed
96.	Rautmare Suhas Shivajirao	Part-Time	Dr. Mrs. Anjali S. Bhalchandra	Content Based Image Retrieval (using fractals)	26/07/2007	Completed

97.	Bhalerao Vidyut Kamlakar (Khapli Vidya Rajesh)	Part - Time	Dr. Mrs. Anjali S. Bhalchandra	Content Based Image Retrieval (using vector Quantization)	06/06/2007	Completed
98.	Badave Suneeta Mukund	Part- Time	Dr. Mrs. Anjali S. Bhalchandra	Reconfigurable Architectures for DSP	31/07/2008	Completed
99.	Barbind Anand Achyutrao	Part-Time	Dr. Mrs. Anjali S. Bhalchandra	Speech Recognition Under Stress	19/07/2010	Ongoing
100.	Gulve Avinash Khushal	Part- Time	Dr. Mrs.M.S.Joshi	Improvement in the Performance of Image Steganography using five pixel pair differencing approach	19/07/2010	Completed
101.	Jawale Jitendra Bhaskar	Part-Time	Dr. Mrs.Anjali S. Bhalchandra	Ear Biometrics based on Geometric Feature Extraction	19/07/2010	Ongoing
102.	Kshirsagar Vivek Prabhakar	Part- Time	Dr. Mrs. M.S.Joshi	Effective Data Mining Techniques for Performance Improvement of Intrusion Detection	19/07/2010	Completed
103.	Kulkarni Savita Gajanan	Part- Time	Dr. Mrs.M.S.Joshi	Investigation Techniques for Electrical Characterization of Petroleum Products using Microwave Resonators	19/07/2010	Completed
104.	Kulkarni Vijaya Madhvrao	Part- Time	Dr. Mrs.Anjali S. Bhalchandra	PAPR Reduction for Multicarrier Transmission System	19/07/2010	Completed
105.	Kuyare Smita Suresh	Part- Time	Dr. Mrs.M.S.Joshi	Hybrid Model for the detection of Heart Diseases from Electrocardiogram Signal	19/07/2010	Completed
106.	Mohanpurkar Arti Arun	Part- Time	Dr. Mrs. M.S.Joshi	Copyright Protection Techniques for Databases	19/07/2010	Completed

107.	Nagori Meghana Brijlal	Part-Time	Dr. Mrs. M.S.Joshi	Developing Models and Procedures in the effective analysis of fMRI data of brain diseases	19/07/2010	Completed
108.	Umbarkar Anantkumar Janardan	Part-Time	Dr. Mrs. M.S.Joshi	Design and Analysis of Multi-Population Genetic Algorithm (MPGA) on Multicore System for Function Optimization	19/07/2010	Completed
109.	Kolhare Neelima Ramlal	Part-Time	Dr. U.B.Shinde	MEMS based Antennae Design	10/02/2012	Ongoing
110.	Vargantwar Manasi Rajesh	Part-Time	Dr. Mrs.Anjali S. Bhalchandra	Digital Beam Formation	09/02/2012	Ongoing
111.	Agrawal Sushma Subodh	Part-Time	Dr. Mrs.Anjali S. Bhalchandra	Digital Image Watermarking	07/09/2013	Ongoing
112.	Ekbote Archana Pramod	Full - Time	Dr. V.R.Ratnaparkhe	Syndrome Identification Using Image Processing Method.	01/08/2014	Completed
113.	Muley Jayant Arun	Full-Time	Dr. V.R.Ratnaparkhe	Analytical Study of Immunofluorescence Imaging.	22/08/2014	Ongoing
114.	Borde Sumedha Sandeep	Part-Time	Dr. V.R.Ratnaparkhe	EEG Signal Analysis	22/08/2014	Ongoing
115.	Prajakta P Sadgir	Part-Time	Dr. V.R.Ratnaparkhe	Medicinal Plant Analysis	February 2015	Ongoing
116.	Prachi Hardas Bhagat	Part-Time	Dr. A. S. Bhalchandra	Gesture Analysis using Image Processing	22/08/2018	Ongoing
117.	Nigam Anurag	Part-Time	Dr. A.R. Karawankar	High Integrated Low Power RADAR System using Sub-Chip Sampling Method	22/08/2018	Ongoing

118.	Sheetal Gundre	Part-Time	Dr. V.R.Ratnaparkhe	Design and Analysis of Molopole Antenna	22/08/2018	Ongoing
119.	Swati Atone	Full - Time	Dr.A.S.Bhalchandra	Human Emotion Expression Analysis	August 2019	Ongoing
120.	Vitthal Bhosale	Part - time	Dr.S.D.Bharkad	Retinal image analysis for the detection of diabetic retinopathy	March 2022	Ongoing
121.	Deepak Bore	Part - time	Dr.S.D.Bharkad	Fusion of remote sensing images	March 2022	Ongoing
122.	Uday Takte	Part - time	Dr.S.D.Bharkad	Driver's drowsiness detection	March 2022	Ongoing

Computer Science & Engineering

123.	Monali Rajendra Baviskr	Part Time	Dr. P. C. Shetiye	Design and development of speech disorder recognition system for lisp affected peoples special reference to Marathi language	July-2022	Ongoing
124.	Nikhil Rajkumar Wagh	Full time	Dr. P. C. Shetiye	Advanced data cleansing algorithm for cloud computing	July-2022	Ongoing
125.	Tanya Sandeep Jadhav	Part Time	Dr. P. C. Shetiye	A study and Implementation to identify real news on covid19 using text summarization techniques	July-2022	Ongoing
126.	Amruta Kamalacr Jadhav	Part Time	Dr. P. C. Shetiye	Classification of Ayurveda Species based on leaf patterns: deep learning Approach	July-2022	Ongoing
127.	Rohini Ashok Pandit	Full time	Dr. P. C. Shetiye	Speech Synthesis for Sanskrit	July-2022	Ongoing

128.	Rahul B.Mannade	Part Time	Dr. P. C. Shetiye	Design and development of optimized techniques for prediction of students academic performance using machine learning	July-2022	Ongoing
129.	Rutuja Ravindra Vyapari	Part time	Dr. S. D. Sapkal	Crop Disease Detection using Machine learning	July-2022	Ongoing
130.	Pallavi Tukaram Suradkar	Full time	Dr. S. D. Sapkal	A low cost high speed Embedded based solution for malaria parasite detection from blood smear	July-2022	Ongoing
131.	Mayur Kakasaheb Jadhav	Full time	Dr. S. S. Laddha-Kabra	A novel approach for self explanatory artificial intelligence systems	July-2022	Ongoing
132.	Priyanka Satish Sonawane	Full time	Dr. S. S. Laddha-Kabra	A distinct approach for dialect based speech recognition of Marathi language	July-2022	Ongoing