Faculty Publications for AY 2022-23

Civil Engineering

Name of Author(s)	Title of Research Publication	Name of Journal
Mr. S.K.Kulkarni, Dr.S.A.Halkude & et al.	Experimental Investigation on Strength Properties of Hybrid Fiber Reinforced Concrete	International Journal of Xidian University
Mr. S.K.Kulkarni, Dr.S.A.Halkude & et al.	Experimental study on enhancement in Modulus of Elasticity of hybrid fiber reinforced concrete	International Journal Neuro Quantology
Mr. S. B. Javheri, Mr. S. K. Kulkarn & et al.	Shear Performance of R.C. Deep Beams using Hybrid Fiber as Reinforcement	International Journal Neuro Quantology
Mr. S.K.Kulkarni & et al.	Experimental Investigation on Strength Properties of Self Curing Concrete	International Journal Neuro Quantology
Mr. S. K. Kulkarni & et al.	Seismic Analysis of H Shape and Step Back Set Back Multi- Storied Buildings on Sloping Ground	International Journal NeuroQuantology
Mr. S.K.Kulkarni, Dr.S.A.Halkude & et al.	Experimental Investigation on Hybrid Fibre-Reinforced Concrete Deep Beams.	International Journal of Algebric Statistics
C.G.Konapure & et al.	Effectiveness of Machine learning Algorithms with varying Training & Testing Dataset for Predction of compressive Strength of Concrete	International Journal Neuro Quantology
Mr. S. B. Javheri, Mr. S. K. Kulkarni & et al.	Strength improvement of Concrete by inclusion of hybrid fibres	Industrial Engineering journal
Dr.Sunilkumar Patil & et al.	Behavior of Large-Scale Beams with and without CFRP wrapping	Journal of Educational and Social Research
Prof.S.B.Javheri, Prof. S.K. Kulkarni,, Dr.S.S.Patil & et al.	Split Tensile Strength of Self Cured Concrete	European Chemical Bulletin

Computer Science and Engineering and Information Technology

Name of Author(s)	Title of Research Publication	Name of Journal
Dr. V. A. Athavale	Touch n Go e-Wallet:The New Payment Style Existed when COVID-19 Hits	International Journal of Accounting & Finance in Asia Pasific (IJAFAP)
Dr. V. A. Athavale	QRS Complex Detection On Heart Rate Variability Reading Using Discrete Wavelet Transform	Indonesian Journal of Electronics, Electromedical Engineering and medical informatics
Mrs. S.B.Dol	Classification Technique and its Combination with Clustering and Association Rule Mining in Educational Data Mining — A survey	Engineering Applications of Artificial Intelligence
Mrs. S. M. Dol	SQL- An Android Mobile Application for Effective Teaching of Structured Query Language	Journal of Engineering Education Transformations
Mrs. S. M. Dol	Use of FOSS for Teaching the Parser Types to Improve Problem Solving Ability A Case Study on Analysis of Gender based Discrimination in Education	Journal of Engineering Education Transformations
Mr. P.S.Birajdar, L.M.R.J. Lobo	A System Prediction and Analysis of Cancer Disease Using Machine Learning Algorithm	Two Days Nationl Conferance on Artificial Inteligance for Decision Making
Mr. P.S.Birajdar, L.M.R.J. Lobo	An Automated Sysytem to Predict and Analize Cancer Supported Machine Learning Technique	MAT Journal of Image Processing and Artificial Inteligence
Mr. P.S.Birajdar, L.M.R.J. Lobo	Inteligent Cancer Prediction and Analysi System Based on Deep Learning Technique	IEEE Technico knockdow
Mr. Bhushan B. Shaharkar	'ML Based Authentication Scheme for Data Storage in Cloud Based IoT'	International Journal of Engineering and Advanced Technology (IJEAT)

Name of Author(s)	Title of Research Publication	Name of Journal
Mr.P.N.Kathavate, Dr. J. Amudhavel	Optimized convolutional neural network for soft tissue sarcoma diagnosis	Multimedia Tools and Applications (SCI)
Mr.P.N.Kathavate, Dr. J. Amudhavel	Optimal prediction of viral host from genomic datasets using ensemble classifier	Advances in Engineering Software
Mr.P.N.Kathavate, Dr. J. Amudhavel	Lipoprotein detection: Hybrid deep classification model with improved feature set	Multiagent and Grid Systems
Mr.P.N.Kathavate, Dr. J. Amudhavel	Role of Machine Learning on Key Extraction for Data Privacy Preservation of Health Care Sectors in IoT Environment	The Computer Journal
Mrs. Karpe S.K	Levy Flight Adopted Particle Swarm Optimization-based Resource Allocation Strategy in Fog Computing	Chinese Journal of Electronics

Electronics Engineering and Electronics and Telecommunication Engineering

Name of Author(s)	Title of Research Publication	Name of Journal
Dr. R.J.Shelke	Smart Face Mask Detection using Convolutional Neural Network.	Journal of Emerging Technologies and Innovative Research(JETIR)
Ms. Akshata Wadgaonkar	" Survey Paper on Facial Emotion Recognition"	Journal of Information and Computational Science
Ms. Akshata Wadgaonkar	Real Time Facial Emotion Recognition Using CNN	GIS Science Journal
Dr.Rohini R. Mergu & etal	OCR: Word To Text Converter	Transit Online

Mechanical Engineering

Name of Author(s)	Title of Research Publication	Name of Journal
Dr. B. B. Deshmukh	Vibration monitoring system based on ADXL335 accelerometer and Arduino Mega2560 interface	Journal Of Algebraic Statistics
Dr. S. S. Bansode	Achieving sustainability through improvement in the textile wet process using particle swarm optimization and the tabular search algorithm	Textile Research Journal
Ms. M. J. Jagale	Design & Analysis of End Runner Mill for Multipurpose Work	International Journal of Science & Engineering Development Research

General Engineering

Name of Author(s)	Title of Research Publication	Name of Journal
Dr. P.G.Metri	Numerical Solution of Boundary Layer Flow Problem of a Maxwell Fluid Past a Porous Stretching Surface.	Springer Proceedings in Mathematics & Statistics book series (PROMS) Stochastic Processes, Statistical Methods, and Engineering Mathematics
Dr. P.G.Metri	Effect of Electromagnetic Field on Mixed Convection of Two Immiscible Conducting Fluids in a Vertical Channel.	Springer Proceedings in Mathematics & Statistics book series (PROMS)
Dr. P.G.Metri	Mathematical and Computational Analysis of MHD Viscoelastic Fluid Flow and Heat Transfer Over Stretching Surface Embedded in a Saturated Porous Medium.	Springer Proceedings in Mathematics & Statistics book series (PROMS)
Dr. P.G.Metri	Magnetohydrodynamic Casson Nanofluid Flow Over a Nonlinear Stretching Sheet with Velocity Slip and Convective Boundary Conditions	Springer Proceedings in Mathematics & Statistics book series (PROMS)
Dr. N. S. Gramopadhye	Characterization and Antimicrobial Activity of New Cobalt Nickel-Copper (II) Complexes with Benzoin and 4-Amino Phenol	Journal For Basic Sciences
Dr. S. K. Sarsamkar	Characterization and Antimicrobial Activity of New Cobalt Nickel-Copper (II) Complexes with Benzoin and 4-Amino Phenol	Journal For Basic Sciences

Faculty Publications for AY 2021-22

Civil Engineering

Name of Author(s)	Title of Research Publication	Name of Journal
Dr. S. S. Kashid	Forecasting river basin yield using information of large-scale coupled atmospheric–oceanic circulation and local outgoing longwave radiation	ISH journal of Hydraulic Engineering
Dr. S. A. Halkude & Dr. S. S. Kashid	Development of Handmade Geomesh from Paddy Straw for Erosion Control and Air Pollution Abatement	Indian Journal of Environmental Protection
Mr. S. C. Deshmukh	Performance Evaluation of Irrigation System by Using Multi Criterion Decision Making Technique	Design Engineering
Mr. S.C. Deshmukh	Environment Impact Assessment of River Sand Mining	GIS Science Journal
Mr. S. K. Kulkarni & Dr. S. A. Halkude	Experimental Investigation on Hybrid Fibre-Reinforced Concrete Deep Beams	Journal of Algebraic Statistics
Dr. S. S. Patil & Mr. P. V. Dhanshetti	Review Paper on Structural Analysis of Diagrid Multi-Storied Building	Journal of Emerging Technologies and Innovative Research
Mr. S. K. Kulkarni	Effect of Skew Angles on Longitudinal Girder and Deck Slab of Prestressed Concrete T Beam Girder Bridges	International Journal for Research in Applied Science & Engineering Technology
Dr. S.S. Patil	Review Paper on Seismic Performance Of Multistory Building Of Underground Multiple Storeys Parking With Shear Wall	Journal of Emerging Technologies and Innovative Research
Mrs. S. G. Ghadge & Dr. S.S. Patil	Review Paper on Performance Improvement of RC Deep Beam for Maximising Permissible Web Opening Size Using FRP Wrapping at the Opening	Journal of Emerging Technologies and Innovative Research
Mr.S.K.Kulkarni	Analytical Study on Storey Shear and Base Shear of H Shape and Step Back Set Back Multistoried Buildings on Sloping Ground	International Journal of Innovative Research in Technology
Mr.S.K.Kulkarni	Analytical Study on Storey Displacement and Drift Ratio of H Shape and Step Back Set Back Multistoried Buildings on Sloping Ground	International Journal of Innovative Research in Technology
Mr. C. G. Konapure	Performance Evaluation of Multistoried Building With Special Shear Walls	Journal of emerging Technologies and Innovative Research

Computer Science and Engineering and Information Technology

Name of Author(s)	Title of Research Publication	Name of Journal
Dr. V.A. Athavale	Localization of stroke lesion in MRI images using object detection techniques: A comprehensive review	NeuroScience Informatics
Dr. V.A. Athavale	A Comparative Analysis of Blockchain in Enhancing the Drug Traceability in Edible Foods Using Multiple Regression Analysis	Hindawi, Journal of Food Quality, Special Issue Willey, Hindawi
Dr. V.A. Athavale	INCU Analyzer for Infant Incubator Based on Android Application Using Bluetooth Communication to Improve Calibration Monitoring	Jurnal Teknokes
Dr. V.A. Athavale	Understanding suicidal behavior by using longitudinal electronic health records system	International Journal of Health Sciences,
Dr. V.A. Athavale	Brake Current Control System Modeling Using Linear Quadratic Regulator (LQR) and Proportional integral derivative (PID)	(IJEEMI)Indonesian Journal of Electronics, Electromedical Engineering, and Medical Informatics
Dr. V.A. Athavale	Machine Learning Model-Based Applications for Food Management in Alzheimer's Using Regression Analysis Approach	Journal of Food Quality
Dr. Mrs. A. M. Pujar	A Smart Video Streaming Web Portal	Journal of Computer Based Parallel Programming
Mrs. K. R. Pardeshi	An Overview of Blockchain in Supply Chain Management: Benefits and Issues	IUP Journal of Supply Chain Management
Mrs. K. A. Khedikar	DATASIGHT:A File Searching Tool	International Journal of Advances in Electronics and Computer Science
Dr. R. V. Argiddi .	Mining High Utility Item-Sets For Assigning Sections To Indian Laws	Design Engineering
Mrs. S. M. Dol	WRITE : An Instructional Strategy to Give Hands on Experience of Structured Query Language (SQL) to Students	Journal of Engineering Education
Dr. V.A. Athavale	One-Way Cryptographic Hash Function Securing Networks	Proceedings of Academia-Industry Consortium for Data Science: AICDS 2020, 1411
Dr. L.M. R. J. Lobo	Automization of Library Using Machine Learning Approach	Journal of Image Processing and Artificial Intelligence
Dr. L.M. R. J. Lobo	Expert System for Medical Diagnosis and Consultancy Using Prediction Algorithms of Machine Learning	Journal of Data Mining and Management
Dr. L.M. R. J. Lobo	Using Emerging Areas of Technology to Manage Natural Disasters - Smart Alert	Journal of Information Technology and Sciences

Electronics Engineering and Electronics and Telecommunication Engineering

Name of Author(s)	Title of Research Publication	Name of Journal
Dr. Mrs. R.J. Shelke	A Survey paper on FECG Extraction and Monitoring	International Research Journal of Engineering and Technology
Mr. Shrinivasan Patnaikuni & Dr. S. R. Gengaje	A Theoretical Foundation for Syntactico - Semantic Pattern Recognition	IEEE Access
Mr. P.S.Malge	Applying Deep Convolutional Neural Network For Removing Rain Component From A Single color Image	International Journal of engineering Research & Technology
Mrs. M. N. Shrigandhi	Class 360: Student's Database Management System	International Journal for Science and Advance Research In Technology
Mrs. M.N. Shrigandhi	Attendance System Using IoT & Fingerprint Sensor	International Journal for Science and Advance Research In Technology
Mr. S.C.Kalshetti	IOT Based Weather Monitoring System	International Journal of Research in Engineering and
Dr. R.R.Dube	Fuzzy Logic Based Head Selection Energy Optimization Method for Conventional Data Transmission Over Wireless Sensor Network	International Research Journal of Management Science and Technology
Mr. G.P.Jain	Design of Programmable Under Voltage, Over Voltage and Over Current Protection	Journal of Emerging Technologies and Innovative Research
Mr. G.P.Jain	Design and Implementation of Programmable Under Voltage, Over Voltage Protection	Journal of Electrical and Power System Engineering
Mr.G.P.Jain	IOT Based Three Phase Voltage and Current Monitoring and Protection System	Journal of Emerging Technologies and Innovative Research
Mr.K.R. Biradar	Fingerprint Based Real-Time College Attendance System	International Journal for Scientific Research & Development
Mr.K.R. Biradar	Control A Relay Using Esp8266 And Android App Inventor	EPRA International Journal of Research & Development

Mechanical Engineering

Name of Author(s)	Title of Research Publication	Name of Journal
Dr. B. B. Deshmukh	Vibration monitoring system based on ADXL335 accelerometer and Arduino Mega2560 interface	Journal of Algebraic Statistics
Dr. S. S. Bansode	Design and Analysis of Alternative Azeotrope Refrigerant	International Research Journal of Engineering and
Dr. S. S. Bansode	Analysis of Two-Wheeler Spring Suspension System Comprising of Composite Materials.	International Research Journal of Engineering and
Mr. S. M. Math	Design and Development of Hot Metal Weighing System for Foundry	International Research Journal of Modernization in Engineering Technology and
Mr. P. G. Chitte	Design and Development of Pipe Traversing Robot	International Research Journal of Engineering and Technology (IRJET)
Mr. P. G. Chitte	Automatic Lane Detection System Using AI And Module Training Function	International Research Journal of Modernization in Engineering Technology and
Mr. S. S. Rathod	Design and Manufacturing of Evaporative Drinking Water Cooler	International Journal for Research & Development in
Mr. N.Y. Yemul	Design and Analysis of Beam Lifting Mechanism for Textile Industries	International Journal of Advances in Engineering and
Ms. M. J. Jagale	Design of Automatic Pneumatic Clutch System	International Journal of Advances in Engineering and Management

General Engineering

Name of Author(s)	Title of Research Publication	Name of Journal
Dr. Bhumavarapu Venkateswarlu	Three-dimensional non-Newtonian couple stresses fluid flow over a permeable stretching surface with nonlinear thermal radiation and heat source effects.	Heat Transfer
Dr. Bhumavarapu Venkateswarlu	Radiative MHD Walter's liquid-B flow past a semi-infinite vertical plate in the presence of viscous dissipation with a heat source	Engineering Transactions
Dr. Bhumavarapu Venkateswarlu	Magneto Casson- Carreau Fluid Flow through a Circular Porous Cylinder with Partial Slip	Journal of Applied and Computational Mechanics
Dr. Mrs. P. S. Joshi	Visualization and Crossword: In-Class Exercise--An active learning Strategy	Journal of Engieering Education Transformations

Faculty Publications for AY 2020-21

Civil Engineering

Name of Author(s)	Title of Research Publication	Name of Journal
Mr.S.K.Kulkarni, Dr.Halkude S.A. and et al.	Experimental study on Steel fibre reinforced concrete with Natural sand and Artificial sand'	Journal of Seybold Report
Mr.S.K.Kulkarni and et al.	Study on Prestressed Concrete T Beam Girder Bridge with varying Skew Angles	GIS Science Journal
Dr.Sunilkumar S.Patil and et al.	Review Paper on Experimental Study of Concrete Columns Wrapped with Fiber Reinforced Polymer	Journal of Emerging Technologies and Innovative Research (JETIR)
Dr.Sunilkumar S.Patil and et al.	Review Paper on Corrosion Prevention of Reinforcement in RCC works using Admixture and Anodes	Journal of Emerging Technologies and Innovative Research (JETIR)
Dr.Halkude S.A. and et al.	"Erosion Control Of Slopes Using Paddy Straw Geomesh"	International Journal Of Engineering Trends And Technology
Dr.Sunilkumar S.Patil and et al.	'Literature review for use of FRP in Civil Engineering'	International Research Journal of Engineering and Technology (IRJET)
Dr.Halkude S.A. and et.al.	Durability of Erosion Control Geomesh of Paddy by 'Accelerated Biodegradation Test'	Geotechnical Journal of Southeast Asian Geotechnical Society (SEAGS)
Dr.Sunilkumar S.Patil and Mr. Sandeep Javheri	Review Paper on to Investigate the Experimental and Analytical Study on Shear Strength of R.C Deep Beam using fibers.	Journal of Emerging Technologies and Innovative Research (JETIR)
Dr.Sunilkumar S.Patil and etal.	An Experimental Study on Corrosion Prevention of Reinforcement in RCC using Admixture and Anodes	Journal of Emerging Technologies and Innovative Research (JETIR)
Mr.C.G.Konapure and etal.	Evaluation of effect of fire on frame members of structure	Journal of Emerging Technologies and Innovative Research

Computer Science and Engineering and Information Technology

Name of Author(s)	Title of Research Publication	Name of Journal
Dr. Mrs. Pujar A. M.	Intelligent Framework for Sentiment Analysis of Movie Reviews - A Comprehensive Survey	Journal of Emerging Technologies and Innovative Research (JETIR)
Ms.Dixit R.K.	Data Centric Role Based Access Control Authorization Model: An Efficient way to improve security in intercloud scenario	Journal of Critical Reviews
Mr.Mahant M.A.	Innovative supervised machine learning techniques for classification of data	Journal of Materials Today
Mrs.Ambarkar S.S.	Zona Del Silencio – A Smart System to Reduce Traffic Noise	International Journal of Future Generation Communication and Networking
Mr. Chavan V.D. Mr. Pare S.S.	How To Deal With IoT Security Threats	International Journal for Science and Advance Research in Technology
Mrs. S.M. Dol	T24S Vs TPS	Journal of Engineering Education and Transformation
Mr. Gandhmal D.P.	Wrapper-Enabled Feature Selection and CPLM-Based NARX Model for Stock Market Prediction	The Computer Journal, Oxford Academic
Mr. Gandhmal D.P.	An intelligent indian stock market forecasting system using LSTM deep learning	Indonesian Journal of Electrical Engineering and Computer Science
Mr. Gandhmal D.P.	Chronological penguin Adam-based deep long short-term memory classifier for stock market prediction	Indonesian Journal of Electrical Engineering and Computer Science
Mr. Shakhapure S.S.	Endorsement Recommendation for Made in Indian Products	Global Research And Development Journals
Mr. Gajjam N. S.	Key challenges and research directions in cloud storage	Materials Today

Electronics & Telecommunication Engg. and Electronics Engineering

Name of Author(s)	Title of Research Publication	Name of Journal
Dr. R. R. Mergu and et. al.	IOT Based Hand Exercise System	International Journal of Modern Electronics and Communication Engineering (IJMECE)
Mr.A. S. Gundale & et.al.	SoA Based IoT framework for Early Detection of Sensor Failure	International Journal of Critical Reviews
Mr. S. R. Barbade and et. al.	Review of Data Mining for Twitter Data Analysis	Journal of Data Mining and Management
Mr.Sunil C. Kalshetti & et.al.	Design And Experimental Validation Of Adaptive Fuzzy Sliding Mode Controller For Robotic Manipulators	Turkish Journal of Computer and Mathematics Education
Mr.Sunil C. Kalshetti & et.al	Gesture Controlled Wireless Robotic Arm	International Journal of Research in Engineering and Science
Mrs. P. S. Shetgar and et. al.	Magnetic Levitation As Energy Harvester	International Journal of Scientific Research
Mr. K. R. Biradar and et. al.	Design & Implementation of talking energy meter	International Journal for Scientific Research & Development
Mrs. Veena S. Patki & et.al	AI based Multi-Agent online shopping system	International Research Journal of Engineering and Technology

Mechanical Engineering

Name of Author(s)	Title of Research Publication	Name of Journal
Dr. P. R. Kulkarni & et al.	Design and Analysis of Camshaft	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)
Dr. B. B. Deshmukh & et al.	Effect of combination of flexure joints and material used on performance of compliant pantograph mechanism	Materials Today
Dr. S. S. Bansode & et al.	A study of Problems Faced by Textile Industry in India	Psychology And Education
Mr. S.S.Rathod & et al.	Development of Automatic Dry Fruit Roasting Machine	International Journal Of Engineering Research & Technology (IJERT)

General Engineering

Name of Author(s)	Title of Research Publication	Name of Journal
Dr. Venkateswarlu & et al.	Signifcance of viscous dissipation on the dynamics of ethylene glycol conveying diamond and silica nanoparticles through a diverging and converging channel.	Journal of Thermal Analysis and Calorimetry
Dr. Bhumavarapu Venkateswarlu, and et al.	Cu Al2O3 / H2O hybrid nanofluid flow past a porous stretching sheet due to temperatue dependent viscosity and viscous dissipation	Wiley-Heat Transfer
Dr. Bhumavarapu Venkateswarlu & et al.	Buoyancy forces and activation energy on the MHD radiative flow over an exponentially stretching sheet with second order slip	Wiley-Heat Transfer
Dr. P. S. Joshi & et al.	Nanoporous Mn doped Ruthenium Oxide Thin Film Electrodes for Supercapacitor applications	International Journal of Scientific Research in Science and Technology