

Faculty and students publish their research work in national & international journals with good impact factors. University offers incentives to faculty for publication in reputed journals. The research work is also presented in national & international conferences. All this a good encouragement & support for continued research activity. Forty-three faculties published the research papers at international journals. Faculty from different departments published research papers in 63 different international conferences. Three faculty published paper in different national conferences. Seven faculty and seven students published papers in national journals. Two faculties reviewed the research papers at international conferences.

Department of Computer Engineering

➤ International Conferences:

1. Dr.Seema Shah and Prof. Radhika Chapaneri, "Detection of Malicious Network Traffic using".10th International Conference on Computing, Communication and Networking Technologies, July 2019.
2. Prof.Radhika Chapaneri, "Electronic Detection of Malicious Network Traffic using Convolutional Neural Networks". 10th International Conference on Computing, Communication and Networking Technologies, July 2019
3. Prof. Deepa Krishnan, "A survey on Security Attacks in Internet of Things and Challenges in Existing Countermeasures". International Conference On Wireless Communication (ICWicom2019). October 2019.
4. Prof. Deepa Krishnan, "Analysis of the accuracy of Supervised Machine Learning Algorithms in detecting Denial of Service Attacks". ICSDP 2019.November 2019.
5. Prof.Ameyaa, "Compton A review on Detecting Phishing URL's using Clustering Algorithms". International Conference on Advances in Computing, Communication & Control (ICAC3-2019). December 2019.
6. Prof. Supriya Agarwal, "Robotic Process Automation Through Advance Process Analysis Model". ICICT 2020. February 2020.
7. Prof. Radhika Chapaneri, "Plant Disease Detection: A Comprehensive Survey". Not Available, April 2020.
8. Prof. Sanjay Deshmukh, "Not Available". 4th International Conference on Inventive System and Control. April 2020.

➤ International Journals:

1. Prof.Rakhee Kundu, "Ration Guru: Implementation of an Advance Method to Simplified Stocking". International Journal of Innovative technology and Exploring Engineering. July 2019.
2. Dr.Dhirendra Mishra, "Fusion of multimodal lumbar spine scans using wavelet and convolutional neural network".International Journal of Innovative technology and Exploring Engineering. July 2019.
3. Prof.Abhishek Vichare , "Experiences of Teaching Computer Network Course through Lesson Outcomes". International Journal of Innovative Technology and Exploring Engineering. October 2019.
4. Prof.Rakhee Kundu, "Predicting Autism Spectrum Disorder in Infants using Machine Learning".International Journal of Physics: Conference Series.Volume: 1362 pg. 1-10. November 2019.
5. Prof. Gaurav V Londhe , "Feasibility of Hybrid Energy Aware Routing for Ad-hoc Network". International Journal of Engineering and Advanced Technology (IJEAT). February 2020.

6. Prof.Prathmesh Churi, "Feasibility Systematic Review on Privacy Preserving Data Publishing Techniques". Journal Of engineering science and technology review. April 2020.
7. Dr.Jinu Kurian (Tech Mgmt),, "The Role of Digitalisation in Adopting GSCM Practices: A Critical Review of Literature". International journal of Ecology, Environment and Conservation.2020 VOL (1). October 2019.
8. Dr.Mahendra Parihar (Tech Mgmt),, "An Economic Analysis of Taxation System as Public Policy Reform with Special Reference to the Trucking Industry in India "International Journal of Restaurant Business. Vol. 118 Issue 12. February 2020.
9. Dr.Mahendra Parihar (Tech Mgmt),, "Do We Need to Promote Public Transport for Sustainable Development with Reference to Mass Rapid Transit System (MRTS)? A Case of Jaipur Metro Rail Project in Rajasthan.International Journal of GIS Business.Vol. 15 Issue 1. February 2020.
10. Dr. Mahendra Parihar (Tech Mgmt), "Using Intelligent Communication System (ICT) to Solve a Problem of Enroute Confirmation of Wait listed Tickets in Indian Railways"International Journal of IEEE Xplore. Volume IEEE Conference Record Number 46177. February 2020.
11. Dr. MahendraParihar (Tech Mgmt),, "Efficiency Analysis of Online Ticket Reservation System in Rajasthan State Road Transport Corporation (RSRTC) Using ITS & ICT Enabled Services" International Journal of IEEE Xplore. Volume IEEE Conference Record Number 46177. February 2020.
12. Dr. Mahendra Parihar (Tech Mgmt),, " Analysis of Role of Education in Economic Development: Sustainable Development Goal of Quality Education" International journal of Advance and Innovative Research Vol. 7 issue 1 (X) February 2020.
13. Dr. Shagun Shrivastva,(dept not aware) "Impact of Food Aggregators on Conventional Restaurant Business: An Empirical Study" International Journal of International Journal of Research in Engineering Application and Management. Vol 5, Issue 11, February 2020.
14. Prof.Gaurav V Londhe, "Feasibility of Hybrid Energy Aware Routing for Ad-hoc Network" International Journal of Engineering and Advanced Technology (IJEAT).Volume 9 Issue 3, February 2020, Page no 3823, February 2020
15. Dr. Mahendra Parihar (Tech Mgmt),, "An Economic Analysis of Mass Rapid Transit System (MRTS) in India with special reference to Jaipur Metro Rail in Rajasthan".International Journal of IEEE Xplore.Page 241-244, April 2020
16. Prof. Prathamesh Churi, Dr Ambika Pawar "Systematic Review on Privacy Preserving Data Publishing Techniques
17. "International Journal of Engineering science and technology review. Vol.12 (6) (2019) 17 – 25, April 2020
18. Prof. Pranav Nerurkar (Data science), "Survey of network embedding techniques for social networks Turkish Journal of Electrical Engineering & Computer Sciences Vol.27- 4768-4782, August 2019
19. Prof. Pranav Nerurkar (Data science), "Exploring convolutional auto-encoders for representation learning on networks" International Journal of Computer Science, September 2019
20. Prof. Pranav Nerurkar (Data science),:"Understanding attribute and social circle correlation in social networks: Turkish Journal of Electrical Engineering & Computer Sciences Vol.27- 1228-1242, July 2019
21. Prof. Pranav Nerurkar (Data science), " Measurement of network-based and random meetings in social networks Turkish Journal of Electrical Engineering & Computer Sciences Vol.27- 765-779, July 2019
22. Prof. Pranav Nerurkar (Data science), "Understanding structure and behavior of systems: a network perspective" International Journal of Information Technology, Vol 3, November 2019
23. Prof. Pranav Nerurkar (Data science), "Empirical analysis of synthetic and real networks" International Journal of Information Technology, Vol 4, November 2019

24. Prof.Yashodhan Karulkar (Tech Mgmt),” The Effect of Brand Equity components on Purchase Intention”, International Journal of Pramana Research Journal, Volume 9, Issue 10
25. Prof. Ameyaa Biwalkar , International Journal of Discrete Mathematical Sciences and CryptographyVolume 23, 2020 - Issue 2: Sustainable Engineering for Science and Technology, Pages 349-363. May 2020.

➤ Paper Review

Four faculty members have reviewed for international journals

Department of Electronics and Telecommunication Engineering

➤ International Journals

1. Dr.UshmaAhuja, “Use of Ti doped hafnia in photovoltaic devices: Ab-initio calculations”. Lecture Notes in Electrical Engineering. July 2019.
2. Dr.UshmaAhuja, “Electronic and Optical Response of Chalcopyrites Cu₂InMSe₄ (M=Al, Ga): First Principles Investigation for use in Solar cells”. Journal of Electronic Materials. Volume 48,Page no. 6521-6528, July 2019.
3. Dr.UshmaAhuja, “Structure dependent electronic and optical properties of Cu₂ZnGeX₄ (X=S,Se) solar cell compounds”. Optik - International Journal for Light and Electron Optics. Volume 182, Page no 802-809, July 2019.
4. 4. Dr.UshmaAhuja, “Electronic response of rare-earth magnetic-refrigeration compounds”. Physica B: Condensed Matter. Volume 537, Page no 236-242, July 2019.
5. 5. SumitaNainan, “Synergy in Voice and Lip Movement for Automatic Person Recognition”. IEIE Transactions on Smart Processing and Computing. Volume 8, Page no 279 – 289, August 2019.
6. 6. Dr. Vaishali Kulkarni, “Synergy in Voice and Lip Movement for Automatic Person Recognition”. IEIE Transactions on Smart Processing and Computing. Volume 8, Page no 279 – 289, August 2019.
7. 7. Dr Manjusha Joshi, “Cardiac, diabetic and normal subjects classification using decision tree ans result confirmation through orthostatic stress index.” Informatics in medicine unlocked. Volume 17,Page no 1 to 7, November 2019.
8. VidyaSawant, “Revesible Data Hinding Scheme using Turbo code”. IEIE Transaction on Smart Processing and Computing. Volume 8 - December 30,2019-Page no442-455, January 2020.
9. Prof. Prashant Kharote, “Computed Aided Prostate Segmentation of Multiparametric MR Images Using Latent Features” International Journal of Advanced Science and Technology Vol.29,No.6,(2020),pp.6697-6708. June 2020

➤ International Conference

1. Dr.UshmaAhuja, “Electronic and Optical Properties of CdIn₂Te₄: DFT TB-mBJ Approach”. International Conference on Materials and Technologies for Energy Conversion and Storage. September 2018
2. Dr.Ushma Ahuja, “Revealing structural and opto-electronic performance of photosensitive chalcopyrite CdAl₂Se₄: First principle Modified Becke–Johnson (mBJ) observations”. International Conference on Revealing structural and opto-electronic performance of photosensitive chalcopyrite CdAl₂Se₄: First principle Modified Becke–Johnson (mBJ) observations. February 2019.

3. Dr.Ushma Ahuja, "Opto-electronic analysis of Cs₂PdCl₂Br₄ Perovskites Compounds for Photovoltaic Applications". IEEE Conference Proceeding, 2018 International Conference and Utility Exhibition on Green Energy for Sustainable Development (ICUE). October 2019.
4. Dr.Ushma Ahuja, "Compton profile and nature of bonding in anatase TiO₂". National Symposium of Radiation Physics-21. March 2019.
5. Dr.Ushma Ahuja, "Applicability of CdAl₂Se₄ in space radiation science: First-Principles investigations". National Symposium of Radiation Physics-21. March 2019.
6. Dr.Ushma Ahuja, "Structural and Opto-electronic Modeling of Novel Photovoltaic ZnGa₂(S,Se)₄: First Principles Investigation". AICTE Sponsored National Seminar on Nanotechnology for Energy & Power Sector (NSNEP). November 2019.
7. Prashant Ramesh Kharote, "Automatic Segmentation of Prostate from Multiparametric MR Images Using Hidden Features and Deformable Model". TENCON. October 2019.
8. Dr Manjusha Joshi, "simulation of self driving cars and comparison of different methods". ICCI. November 2019.
9. Ami Munshi, "Recovery of compressed Audio signal over a sparse channel in MIMO-OFDM systems". International Conference on Advances in Computing, Communication & Control (ICAC3). December 2019.
10. Prashant Ramesh Kharote, "Prostate Segmentation and Tumor Detection from MR Images Using Latent Features". 16th IEEE India Council International Conference, INDICON. December 2019.
11. Dr. Archana Bhise & Prof. VidyaSawant, "Revesible Data Hinding Scheme using Turbo code" International Journal of IEIE Transaction on Smart Processing and Computing. Volume 8 Number 6 - December 30, 2019-pp.442-455January 2020.
12. Prof.Sumita Nainan," Synergy in voice and lip movement for automatic person recognition" International Journal of IEIE Transactions on Smart Processing and Computing, 8(4), October 2019

Department of Information Technology Engineering

➤ International Conferences

1. Pintu Shah, " Cybersecurity Behaviour of Smartphone Users in India: An Empirical Analysis ",Information and computer Security,
2. Dr VikramKulkarni, "IoT: a step towards Sustainability", Emerging Trends in Disruptive Technology Management for Sustainable, CRC press, Taylor and Francis group, October 2019
3. Rejo Mathew,"IoT: a step towards Sustainability", Emerging Trends in Disruptive Technology Management for Sustainable, CRC press, Taylor and Francis group, October 2019
4. Dr.VikramKulkarni ,"Coexisting problems for wireless sensor networks working in 2.4, Can't Disclose, GRIN Publishers, Munich, Germany, December 2019.
5. Dr.VikramKulkarn, "Bio-Metrics Recognition- Based on IRIS Segmentation", Can't Disclose, Lambert Academic Publishing, Mauritius, December 2019
6. Rejo Mathew, "Contemporary GPS Security Mechanisms", 3rd International Conference on Data Engineering and Communication Systems, IEEE Karnataka and RNS Institute of Technology, December 2019
7. SauravVerma, "An Unstructured to Structured Data Conversion using Machine Learning Algorithm in Internet of Things (IoT)", ICICC 2020 , New Delhi, Springer & Elsevier, February 2010.
8. VikramKulkarni, "A Review on Requirements for Data Communications and Information Technology Areas for Smart Grid", International Conference on Mechanics, Materials and Management (IMMM 2020), School of Electrical Engineering, VIT Vellore and International Society of Automation, February 2020.

9. Pintu R Shah, "Cybersecurity Behaviour of Smartphone Users Through the Lens of Fogg Behaviour Model", International Conference on Communication Systems, Computing & IT Applications (CSCITA 2020), SFIT Mumbai, April 2020
10. Dr.Vikram Kulkarni, "Advances in Computing, Communication and Control (ICAC3'19)", 2019 IEEE International Conference on Advances in Computing, Communication and Control (ICAC3'19) 6th Edition (20th and 21st December 2019), Fr. Conceicao Rodrigues College of Engineering, Bandra, Mumbai, India, November 2019.
11. Pintu R Shah, Paper, "Cybersecurity Behaviour of Smartphone Users in India: An Empirical Analysis, Information and Computer Security (Previously published as Information Management & Computer Security), 2056-4961, Volume: 23, Issue: 1, November 2019, Emerald, <https://www.emerald.com/insight/publication/issn/2056-4961>
12. SulalahQaisMirkar , " Visually Impaired Friendly E-commerce Website", ICEECOT 2019-GSSEIET college with IEEE Bangalore, IEEE bangalore section, December2019
13. Dr.AshwiniRao," An Unsupervised technique to generate summaries from Opinionated Documents", 4th International Conference on Advanced Computing and Intelligent Engineering - ICACIE 2019, Rama Devi Women's University, Bhubaneswar, December2019
14. PallaviRao," Re-validation of Fitts's law, India HCI 2019, HCI Professionals Association, India, November 2019

➤ **International Journals**

1. Prof. Ruchi K Sharma ,"UniAssist Higher education University Recommensation using Machine Learning"International Journal for Research in Engineering Application & Managemen.Vol-06, Issue-01, April 2020.
2. Prof. Ruchi K Sharma, "Fake Review Detection" International Journal of RISH.Vol 16 No 1 (2020), February 2020

Department of Mechanical Engineering

➤ **International Journals:**

1. Prashob P S, "Characteristics of CFRP strengthened tubular joints subjected to different monotonic loadings", Steel and Composite Structures, Volume 32, Page no 361-372, August 2019
2. Asha Ingle, "Parametric review of microwave-based materials processing and its applications", Journal of Materials Research and Technology, Volume 8, Page no 3306-3326, May 2019
3. Dr.SiddiqueUmair, "On Numerical Investigation of Nusselt Distribution Profile of Heat Sink Using Lateral Impingement of Air Jet", CFD letters, Page no 59-68, October 2019
4. Dr.Ravi Terkar, "Effect of process parameters on Defect Features and Mechanical Performance of Friction Stir Lap Welded AA6063 and ETP Copper joints", International Journal of Recent Technology and Engineering, Volume-8, Page no 879 to 883, September 2019
5. Dr.Ravi Terkar, "Analyzing the effect of process parameters on Friction Stir Welded AA6063-ETP copper joint using Taguchi Technique", International Journal of Recent Technology and Engineering, Volume-8, Page no 884 to 888, September 2019
6. Ranjana Singh, "Effect of notch-depth ratio on intermittent electromagnetic radiation from Cu-Ni alloy under tension", International Journal of Materials Testing, Vol. 61, No. 9, pp. 885-893. September 2019
7. Dr. Asha Ingle, "Applications and challenges of arc welding methods in dissimilar metal joining" International Journal, 810/012006, March 2020
8. Dr. Asha Ingle," "Numerical analysis of microwave heating: Fundamentals and applications", IOP Conference Series: Materials Science and Engineering810/012061, March 2020

9. Prof. Neepa Patel, "Improving the efficiency of the Lay-Up process in the manufacture of Solar Panels through time-study" International Journal of IOP Materials science and Engineering. vol.810, April 2020

➤ **International Conferences:**

1. Zoya Rizvi, "Airfoil parametric optimization using MOGA", ICEMEM 2019, January 2019
2. Mohan Bodkhe, "Overview of Friction Welding Technology in Manufacturing Process", ICIE-2019 Surat, January 2019

Department of Civil Engineering

➤ **International Journals:**

1. Manoj Anaokar, "Numerical analysis of lime stabilized capping under embankments based on expansive subgrades", Heliyon, Volume 5, Page no 1 to 5, September 2019
2. Dr. Sahajanand Kamat, "Flow and transport of Phenol in groundwater using PGWT equation", Heliyon, Volume 6, February 2020

➤ **International Conferences:**

1. Preeti Shrivastava, "Ozonation as a technique for wastewater treatment", International Conference on Mechanics, Materials and Management (IMMM 2020), March 2020
2. Avadhut Kshirsagar, "Pond Ash as Partial Replacement of Fine Aggregate in Concrete", International Conference on Mechanics, Materials and Management (IMMM 2020), March 2020
3. Dr. Sharad Mhaiskar "Numerical analysis of lime stabilized capping under embankments based on expansive subgrades". International journal of Heliyon. Vol. 5 Issue 9. September 2019.
4. Prof. Manoj Anaokar, "Numerical analysis of lime stabilized capping under embankments based on expansive subgrades" International Journal of Heliyon, 2405-8440, September 2019

➤ **National Conferences:**

1. Dr. Jigisha Vashi, "Influence of the Geotextile Force on the Stability of Embankments", Indian Geotechnical Conference 2019, December 2019
2. Dr. Sahajanand Kamat, "Flow and transport of Phenol in groundwater using PGWT equation" International Journal of Heliyon. Volume 6, Issue 2

Department of Chemical Engineering

➤ **International Journals**

1. Prof. Rahul Pailwal, "Numerical Analysis of Anti Vortex Devices Performance to Suppress The Air Entraining Vortex in Pump Sump" International Journal of Mechanical And Production Engineering Research and Development. Vol.10, No.2, pp 577-590. March 2020

➤ **International Journals:**

1. Dr. V.R. Lakshmi Gorty "Finite generalized Hankel transformation on different spaces extended to class of generalized functions". IAENG International Journal of Applied Mathematics. August 2019.
2. Prof. Mahesh Naik, "Generation of Random numbers using LCG and Low Discrepancy Sequence" international Journal of Information and Computational Science. Volume 10 Issue 1 - 2020 page 406-414. January 2020.
3. Prof. Mahesh Kale, "On Zagreb Indices of graphs with a deleted edge" International Journal of Annals of Pure and Applied Mathematics. February 2020.
4. Prof. Mahesh Naik, "Profit Maximization in Bakery by Optimal Allocation of Raw Materials" International Journal of AEGAEUM JOURNAL. Volume 8, Issue 5, 2020 Page 391-393. May 2020
5. Prof. Mahesh Naik, "Generation of Random Numbers Using LCG and Faure Sequence". International Journal of Research and Analytical Reviews. Volume 7, Issue 2. May 2020
6. Prof. Mahesh Naik, " Study of factors correlating with pandemic COVID-19 cases globally". International Journal of engineering sciences. Vol 11, Issue 4, April/ 2020 pg 1068-1071. May 2020
7. Prof. Mahesh Naik, "Electrical Energy Conservation Model in Cricket Stadium, Maharashtra". International Journal of Emerging Trends & Technology in Computer Science Volume 9, Issue 2, March - April 2020. May 2020
8. Prof. Mahesh Naik. "Maximization of Construction Work Activities within Prefixed Budget Using Simplex Method" International Journal of Iconic Research and Engineering Journals. Volume 3 Issue 11. May 2020.
9. Prof. Mahesh Naik, "Enhancing the Production in Process in a Bakery Using Optimization Techniques". International Journal of Engineering, Science and Mathematics. Vol.9 Issue 5, May 2020
10. Dr. Tista Basak. "Electro-absorption spectra of magnetic states of diamond shaped graphene quantum dots". International Journal of Materials Today: Proceedings. May 2020