



Conference Publications

Academic Year 2021-2022

1. Seema Rathod and Lata Ragha, “Analysis of CT Scan Lung Cancer Images using Machine Learning Algorithms”, 6th International Conference on Intelligent Computing and Control Systems (ICICCS 2022), Vaigai College of Engineering, Madurai, India, 25-27, May 2022.
2. Darshana Thambe and Lata Ragha, “Analysis of Software Bug Prediction and Tracing Models from a Statistical Perspective Using Machine Learning”, 2nd International Conference on Intelligent Technologies (CONIT), K. L. E. Institute of Technology, Hubballi, 24-26, June 2022.
3. Seema Rathod and Lata Ragha, “Using Weakly Supervised Machine Learning Algorithms for Classification and Analysis of CT Scan Lung Cancer Images”, 2nd International Conference on Intelligent Technologies (CONIT), K. L. E. Institute of Technology, Hubballi, 24-26, June 2022.
4. Soumya Haridas, Shalu Saroj, Sairam Tushar Maddala, and M. Kiruthika, "Legal Ledger - Blockchain In Judicial System", in Proc. 3rd International Conference on Innovative Data Communication Technologies and Application (ICIDCA 2021), RVS College of Engineering & Technology, Coimbatore, India, Aug 20-21, 2021, <https://link.springer.com/book/10.1007/978-981-16-7167-8>.
5. Omkar Jadhav, Anish Patil, Jeffy Sam and Kiruthika M, “Virtual Dressing using Augmented Reality” in the proceedings of International Conference on Automation, Communication and Computing (ICACC-2021), RAIT, Nerul, Navi Mumbai, India, July 14-15, 2021. Indexing – ITM Web of Conferences (Matec Web Of Conferences -Open Access), https://www.itm-conferences.org/articles/itmconf/abs/2021/05/itmconf_icacc2021_03028/itmconf_icacc2021_03028.html
6. Kotarkar Anuj S, Padamadan Shawn John, Warekar Zaid Z, More Jyoti, "Leveraging the power of Blockchain in the Health Insurance Industry", in Proc. IEEE 2nd International Conference on Intelligent Technologies, Hubli, Karnatak, India, June 24-26, 2022.
7. Raina Harshul, Sankannawar Priyanka, Sawant Vishadh, More Jyoti, "Implementation of Multi-Channel Time-to-Digital Converter using FPGA", in Proc. IEEE 2nd International Conference on Intelligent Technologies, Hubli Karnatak, India, June 24-26.
8. Smita Dasharath Dange, “Develop A Multilayered Security Approach : To Secure IoT Enabled Healthcare System”, IEEE Conference on Technologies for Future Cities 2021.
9. Elroy Gomes, Tryambak Gour, Arushi Sinha, R. Dakshayani, Travel Booking and Management Application: TravelBel, ICT Analysis and Applications pp 57-64, First Online: 01 January 2022, <https://www.springerprofessional.de/en/travel-booking-and-management-application-travelbel/20011652>.

10. Dakshayani G, Kavita Shelke, Rahul Jadhav, "Smart Traffic Signal Light Activation System", International Conference on Nanotechnology for Better Living (NBL-21) NBL Convention From 7-11 September 2021 in Hybrid Mode.
11. Sureshkumar Jha, Rohan Sawant, Parth Shinde Rakhi Kalantri, Shagufta Rajguru, "Study on Design and Implementation of Distributed Multiple Camera Surveillance and Tracking System", ITM Web of Conferences 40,n0-03036, International Conference on Automation, Computing and Communication 2021 (ICACC-2021), Nerul, Navi Mumbai, India, July 14-15, 2021, <https://doi.org/10.1051/itmconf/20214003036>
12. Mrunal Bhalerao, Raj Salvi, Trisha Lewis, Rakhi Kalantri and Shagufta R, "An application to Improve Mental Health," 2nd International Conference on Automation Computing and Communication (ICACC2021) Ramrao Adik Institute of Technology, Nerul, Navi Mumbai, Maharashtra July 14-15, 2021, <https://doi.org/10.1051/itmconf/20214003035>
13. N. N. Deshmukh, A. Ansari, A. Phalak, and J. D. 'M C. A. Mathew, "Effect of helmholtz resonator shape on suppression of thermo-acoustic instability," IOP Conf. Ser. Mater. Sci. Eng., vol. 1259, no. 1, p. 012002, Oct. 2022, <https://iopscience.iop.org/article/10.1088/1757-899X/1259/1/012002>
14. Deepak Devasagayam, Badal Kudachi, Jose Chiramel, Vishwas Kalamkar, Chelcy Rebello and Daison Thomas, "Analysis of Thermal Battery Management Systems for Lithium-Ion Battery Cell", in Proc. 20th ISME(Indian Society of Mechanical Engineers) Conference on Mechanical Engineering, IIT Ropar, India, May 19-21, 2022.
15. Konduru S Harish Raju, Kshirsagar Nanaji, Praseed Kumar, " Residual stress predictions in welded plates using artificial neural network and experimental validations" in Proc. International Conference on Applied Mechanics, Machine Learning and Advanced Computation , AMMLAC 2022, Mar. 16-17, 2022, https://www.researchgate.net/publication/360483762_Residual_Stress_Predictions_in_Welded_Plates
16. Nanaji Kshirsagar, R.M.Tayade, "A review of sequential micro-machining: State of art approach", in Proc.2nd International Conf.& Exposition on Advances in Mechanical Engineering, ICAME-2022, Pune, India, June 23-25, 2022, <https://doi.org/10.1016/j.matpr.2022.09.337>
17. Nilesh Varkute, Badal Kudachi, Shardul Kachare, Chintan Mange, Jigar Gandhi and Harish Menon, "Thermal Analysis of Earth Tube Heat Exchanger Using Experimental Setup and Simulation", in Proc. 2nd International Congress on Advances in Mechanical and System Engineering (CAMSE-2021), Jalandhar, India, July 17-19, 2021, pp. 445–454, https://doi.org/10.1007/978-981-19-2188-9_41
18. Nilesh Varkute, Badal Kudachi, Bipin Mashilkar, Priyan Kamble, Anmol Rane, Aishwarya Harad, Glen Rebel, "Experimental and Numerical Investigation of Latent Heat Based Energy Storage System Using Nano Enhanced Phase Change Material", in Proc. 2nd International Congress on Advances in Mechanical and System Engineering (CAMSE-2021), Jalandhar, India, July 17-19, 2021, pp. 559-572, https://doi.org/10.1007/978-981-19-2188-9_51

19. Pallavi Khaire, Vikas Phalle, "Condition Monitoring of Rolling Element Bearing Having Defect at Outer race Using Machine Learning", in Proceedings, 76th Annual Meeting & Exhibition Walt Disney World Swan and Dolphin Resort, Society of Tribologists and Lubrication Engineers (STLE), Orlando, Florida (USA) May 15-19, 2022
20. Pallavi Khaire, V. M. Phalle* 2022. "CONDITION MONITORING OF BALL BEARING HAVING DEFECT AT INNER RACE USING VIBRATION ANALYSIS AND MACHINE LEARNING," SAMPE Conference Proceedings. Charlotte, NC, May 23-26, 2022. Society for the Advancement of Material and Process Engineering – North America. pp.1407-1421
21. Sanjay W Rukhande, Walmik S Rathod, Digvijay G Bhosale, "Ni-based coating protection of 316L stainless steel at dry, elevated temperature and wet sliding condition", in 9th International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering, IIT, Ropar, India, December 9-11, 2021, <https://www.sciencedirect.com/science/article/pii/S2214785322012457>
22. Nikhil Kunder, Sanjay Rukhande, "Tribological investigation of HVOF sprayed Ni-based coatings on SS 316L in water-cooled nuclear reactor", Materials today proceedings, February 2022, in International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering (December 9-11, 2021), <https://doi.org/10.1016/j.matpr.2022.02.210>
23. Rukhande, Sanjay W. and Swaraj Gujar., "The surface properties enhancement using coating:- A Review", 9th International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering (December 9-11, 2021), IIT, Ropar, India
24. Suvarna Rode, Sunny Sarraf, Shreya Hamine, Kevin Coutinho, Abhishek Gupta, Pranay Gaikwad, "Design and Simulation of a System for Variable Bead Size Deposition in FDM", in Proc. Virtual International Conference on Product Design, Development, and Deployment (PD3 - 2021) 11th & 12th SEPTEMBER 2021, 0049_PDCUBE2021-Page No 1 -9
25. S. A. Waghmare, "Graphical Approach for Image Improvement on Cylindrical Receiver by Center-Oriented Aiming Strategy of Heliostat", in Proceeding of 1st International Conference in Fluid, Thermal and Energy Systems, NIT Calicut, Kerala, June 2022.
26. Sainath Waghmare , "Ray Tracing based Target Shifting Strategy for Heliostat Field to Improve Solar Flux Distribution inside 1MW Cavity Receiver" in proceeding of International Conference on Energy Sciences (ICES-2021), Kottayam, Kerala , India , Dec 10-12 ,2021
27. Pratik Pinto, Arun Varghese, Francis Talari, Shalin Edward and Amruta Pabarekar, "Autonomous Hospital Assistant Bot", International Conference on Automation, Computing and Communication (ICACC-2022) , ITM Web of Conferences, vol. 44, 05 May 2022, <https://doi.org/10.1051/itmconf/20224403047>
28. Jacob Thomas, Pooja Patil, Vaibhavi Patil, Ashish Patare, and Anant Kulkarni, "Home Automation and Navigation Assistance for the Specially-Abled," in Proc. International Conference on Advances of Electronics & Computer Technology, Mumbai, 2022.

29. U. Mhapankar and M. Shah, "The Comparison of the Dry Electrodes to wet Ag/AgCl electrode for Decoding Imagined Speech from the EEG," 2022 International Conference for Advancement in Technology (ICONAT), 2022, pp. 1-6, doi: 10.1109/ICONAT53423.2022.9726038, <https://ieeexplore.ieee.org/document/9726038>
30. T. K. Harhare and M. Shah, "An Acoustic and Statistic Study of Emotions Expressed in Marathi Speech," 2022 International Conference for Advancement in Technology (ICONAT), 2022, pp. 1-6, doi: 10.1109/ICONAT53423.2022.9725936, <https://ieeexplore.ieee.org/document/9725936>
31. Aiman Darwajkar, Nilashree Wankhede "Image Registration Methods and Transformation Types" in the Conference Proceedings of 3rd International Conference on Advances in Engineering, Science and Technology (ICAEST-21), held at Uttaranchal Institute of Technology, Uttaranchal University, Dehradun, Uttarakhand, 248007 on 20-21 May 2021, pp 185- 198. (ISBN: 978-93-5473-534-9)
32. Aiman Darwajkar, K A Divakara, Nilashree Wankhede, Rajesh Harsh "Non-Iterative and Fast In-Vivo Gradient Shimming for Magnetic Resonance Imaging" at International Conference on Smart Generation Computing, Communication and Networking (IEEE SMARTGENCON 2021), Pune, India, <https://ieeexplore.ieee.org/document/9645783>
33. Anagha Dhawalikar, Pranali Choudhari , "Classification of Oil Spills And Look-Alikes from Sar Images using Bag Of Visual Words Method of Feature Extraction", International Geoscience and Remote Sensing Symposium, organised jointly by IEEE GRSS Belgium and The Netherlands during July 12-16, 2021, DOI: [10.1109/IGARSS47720.2021.9554307](https://doi.org/10.1109/IGARSS47720.2021.9554307)
34. M. Patil, S. Patil, V. Wagh, S. Pillai, Prasad Kulkarni and S. Pai, "Home TechCare using IoT", in Proc. 10th IEEE International Conference (ICETET SIP-22),Nagpur ,India, Apr.29-30,2022 pp1-6, DOI: [10.1109/ICETET-SIP-2254415.2022.9791664](https://doi.org/10.1109/ICETET-SIP-2254415.2022.9791664)
35. N. Swaraj, M. Yadnesh, V Sahil, V Jaydeep, S. Bindu, "Classification of Power Transmission Line Fault Types and Location Using Machine Learning Techniques", &th International Conference on Innovation and Research in Technology and Engineering, Vasantdada Patil Pratishthan's COE and Vishal Arts , Mumbai India, Apr.8-9, 2022, <https://ssrn.com/abstract=4107762>
36. C. Thakare, B. Sharma, G. Chandrababu, T. Joshi, R. Kalva and M. Rajeev, "Design and Implementation of a Compact DC- DC Converter for powering FPGAs," 2021 IEEE International Conference on Electronics, Computing and Communication Technologies (CONECCT) 2021, pp. 1-6,July 2021, <https://doi.org/10.1109/CONECCT52877.2021.9622674>
37. Keerthi Unni and Sushil Thale, "Simulation and Analysis of Factors Influencing the Residual Range of Electric Vehicle", The 3rd IEEE Bombay Section Signature Conference (IBSSC-2021) organized by IEEE Bombay Section and ABV-IIITM Gwalior, India, 18-20 Nov 2021, DOI: [10.1109/IBSSC53889.2021.9673171](https://doi.org/10.1109/IBSSC53889.2021.9673171)
38. Keerthi Unni and Sushil Thale, "Influence of Auxiliary Loads on the Energy Consumption of Electric Vehicle – A Case Study", IEEE Transportation Electrification Conference India (ITEC 2021) organized by SAE India, 16-18 Dec. 2021

39. E. Raja Vikram Reddy and Sushil Thale, "Pedestrian Detection Using YOLOv5 For Autonomous Driving Applications", IEEE Transportation Electrification Conference India (ITEC 2021) organized by SAE India, 16-18 Dec. 2021
40. Mayur Kumavat and Sushil Thale, "Analysis of CSTR Temperature Control with PID, MPC & Hybrid MPC-PID Controller", Third International Conference on Automation, Computing and Communication 2022 (ICACC-2022), Ramrao Adik Institute of Technology, Nerul, Navi Mumbai, Maharashtra, <https://doi.org/10.1051/itmconf/20224401001>
41. Vartak, C., Tanpathak, S., Yadav, N., Wani, H., Rajeev, M, " Small Scale Implementation of Smart Farming using Internet of Things", SAMRIDDHI : A Journal of Physical Sciences, Engineering and Technology, (2021),Vol.13, no.2, pp. 174-181,Dec.2021, <https://smsjournals.com/index.php/SAMRIDDHI/article/view/2580/1200>
42. Aditya Tare, Amol Pednekar, Nisha Thite, Winson Nadar, Ruchi Harchandani "Design of PFN Based Bipolar Marx Generator", Samriddhi, Volume 13, pp. 282-287, <https://smsjournals.com/index.php/SAMRIDDHI/article/view/2595/1215>
43. Divya Sajeesh, Sincy George, "Hardware Implementation of PWM Rectifier" Samriddhi, Vol 13, no.2, pp188-192, Dec 31, 2021, <https://smsjournals.com/index.php/SAMRIDDHI/article/view/2582/1202>
44. Anandkumar Pardeshi, "AI model to generate sql queries from natural language instructions through voice", International Conference on Applications of Intelligent Computing in Engineering and Science (AICES 2022 <https://iopscience.iop.org/article/10.1088/1742-6596/2273/1/012014>
45. Srividya S., Vineet K, Gladina R., Kapil Parab, Shashikant D., Archana Shirke, "TEYSuR-Text Extraction with YOLO and super Resolution" in International Conference for Advancement in Technology (ICONAT- 2022), at Rajarambapu Institute of Technology, Rajaramnagar, Uran Islampur, Maharashtra on 21 & 22-Jan 2022, [DOI: 10.1109/ICONAT53423.2022.9726124](https://doi.org/10.1109/ICONAT53423.2022.9726124).
46. Selin Sara Varghese, Benitta Mariam Babu, Manjiri Kherdekar, Archana Shirke, "EmotiSync - Music Recommendation system using facial Recognition", 2nd International Conference on Emerging trends and technologies on Intelligent Systems (ETTIS - 2022) organized by Petroleum gas University of Ploiesti, Romania in association with CDAC Noida on 23rd March, 2022 published in Springer CCIS.
47. Vedant Dharane, Sriaansh Sahu, Rithik Kalla, Chetana Badgujar "Piano Music Transcriber", IJERCSE,Vol. 9 ,Issue 4, April2022"
48. Chirag Dilip Jawal,Keval Ashok Joshi ,Swaroop Kusumakar Gogate, Chetana Badgujar,"Elcare: Elderly Care With Fall Detection" IOPscience platform_12 Feb to 13Feb 2022,Raipur, <https://iopscience.iop.org/article/10.1088/1742-6596/2273/1/012019>
49. Vaibhav Singh, Atharva Patade, Gaurang Pawar, Dhanashree Hadsul, "trAIner - An AI Fitness Coach Solution" 2022 IEEE 7th International conference for Convergence in Technology (I2CT) Pune, India. Apr 07-09, 2022, [DOI: 10.1109/I2CT54291.2022.9824511](https://doi.org/10.1109/I2CT54291.2022.9824511)

50. Abhishek Gupta , Ansh Chhadva, Omkar Bhabal, Lakshmi Gadhikar, "Codify: Natural Language to Code, for Data Science Applications", In Elsevier SSRN Proceedings of 7th International Conference on Innovation and Research in Technology & Engineering (ICIRT 2022) at VPPCOE & VA, Mumbai, India, 8-9 April 2022, https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4111759
51. Abdul Azim, Nadar Robinson, Juliet Jose, Lakshmi Gadhikar, "Completenator: Advance Code Completion ", 7th International Conference on Innovations and Research in Technology & Engineering, (ICIRTE 2022), at Vasantdada Patil Pratishthan's College of Engineering and Visual Arts, Mumbai. 8-9 April 2022, https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4111752
52. Ashley, J., Nisen, N., Lasrado, R., Nivelkar, M. (2022), "Hate Detection for Social Media Text with User Alert System", In: Mekhilef, S., Shaw, R.N., Siano, P. (eds) Innovations in Electrical and Electronic Engineering. ICEEE 2022. Lecture Notes in Electrical Engineering, vol 894. Springer, Singapore, https://doi.org/10.1007/978-981-19-1677-9_25
53. Prithviraj Sanjay Patil, Keertana Kappuram, Russel Rumaoo, Poonam Bari, "Development Of AMES: Automated ML Expert System", in Proc. IEEE INTERNATIONAL CONFERENCE ON MACHINE LEARNING, BIG DATA, CLOUD AND PARALLEL COMPUTING: Trends, Perspectives and Prospects, May 2022.
54. Rohan Gawhade, Lokesh Bohara, Jesvin Mathew, Poonam Bari, "Computerized Data-preprocessing to Improve Data Quality", Second International Conference on Power, Control and Computing Technologies (ICPC2T), NIT, Raipur, 2022, [DOI: 10.1109/ICPC2T53885.2022.9776676](https://doi.org/10.1109/ICPC2T53885.2022.9776676)
55. Rupali Deshmukh, "Aqua magica", IEEE ICAECT 2022, Bhilai, India
56. A. Gupta, M. A. Raj, K. Singh and R. Deshmukh, "REDE - Detecting human emotions using CNN and RASA," 2022 International Conference for Advancement in Technology (ICONAT), 2022, pp. 1-6, [DOI: 10.1109/ICONAT53423.2022.9726090](https://doi.org/10.1109/ICONAT53423.2022.9726090)
57. Rupali Deshmukh, "CURSOR MOVEMENT USING HAND GESTURES" Proceedings by Springer : 5th ICTIS 2021 – CFP, April 23 -24, 2021.
58. Rupali Deshmukh, "Early Epilepsy Seizure Prediction Using CNN", RTU TEQIP-III Sponsored 2nd International Conference on Artificial Intelligence: Advances and Applications (ICAIAA 2021) Jointly Organized in Virtual Format by Poornima College of Engineering, Jaipur and Rajasthan Technical University Kota, https://link.springer.com/chapter/10.1007/978-981-16-6332-1_19
59. T. Polly, R. Johnwilson and S. S. Rebeiro, "CoviMon - Pandemic Healthcare Monitoring System," 2022 International Conference for Advancement in Technology (ICONAT), 2022, pp. 1-4, [DOI: 10.1109/ICONAT53423.2022.9725920](https://doi.org/10.1109/ICONAT53423.2022.9725920)
60. Eeshan Nanekar, Siddhant Nalawade, Zenden Castelino, Smita Rukhande, "Automated Journalism based on Sports Analysis", 4th International Conference on Information Systems and Management Science (ISMS 2021)
61. Jay Warke , Swapnil Urunkar, Smita Rukhande, "Wyverns Scuffle: An MMO Game Using Unreal Engine 4 and Blender 3D ", in Proc. 6th International Conf. on Soft Computing: Theories and

Applications, Indian Institute of Information Technology Kota, (Malaviya National Institute of Technology Jaipur), Rajasthan, INDIA, Dec 17-19, 2021

62. Abdul Majeed Inamdar, Tanmay Mhatre, Pravin Nadar and Supriya Joshi, "Personalized College Recommender and Cutoff Predictor for Direct Second Year Engineering", in Proc 2022 IEEE 7th International conference for Convergence in Technology (I2CT), Pune, India. Apr 07-09, 2022, DOI: [10.1109/I2CT54291.2022.9825378](https://doi.org/10.1109/I2CT54291.2022.9825378)
63. Dr, Trupti A Lotlikar , "ML-Wasm Entropy and Plot: Dataframes and Plotting powered by WebAssembly and Rust", 4th International Conference on Computer Networks, Big Data and IoT ICCBI 2021, Trichy India pg 279-288, https://link.springer.com/chapter/10.1007/978-981-19-0898-9_23
64. Dr, Trupti A Lotlikar "Linear Algebra in the Browser powered by WebAssembly", IEEE Xplore, n Proc. International Conference for Advancement in Technology (ICONAT) during 21st & 22nd January 2022., Goa JAN-21-22 India, <https://ieeexplore.ieee.org/document/9725939>

Agnel Charities

Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai, Maharashtra

Conference Publications

Academic Year 2020-2021

- 1 **S. Dange** and M. Chatterjee, "A Broad Perspective On Integrating Internet Of Things With Blockchain," 2020 5th International Conference on Computing, Communication and Security (ICCCS), 2020, pp. 1-5, <https://ieeexplore.ieee.org/document/9277062>
- 2 S. B. John, D. Gaur and **A. Siddiqui**, "Test case Recommendation for regression with Named Entity Recognition for test step prediction," 2021 4th Biennial International Conference on Nascent Technologies in Engineering (ICNTE), 2021, pp. 1-6, [DOI: 10.1109/ICNTE51185.2021.9487774](https://doi.org/10.1109/ICNTE51185.2021.9487774)
- 3 Labhsetwar Shreyas & Haridas Soumya & Panmand, Riyali & Deshpande Rutuja & Kolte, Piyush & **P Sandhya**. (2020). "Performance Analysis of Optimizers for Plant Disease Classification with Convolutional Neural Networks", 4th Biennial International Conference on Nascent Technologies in Engineering ICNTE2021 January 15-16th 2021 [DOI: 10.1109/ICNTE51185.2021.9487698](https://doi.org/10.1109/ICNTE51185.2021.9487698)
- 4 **Ms. Rakhi K, Ms. Shagufta R**, "Smart Campus: A modern approach for enriching the campus", International Conference Latest Trends in Civil, Mechanical and Electrical Engineering (LTCMEE- 2021), April 12-13, 2021 Maulana Azad National Institute of Technology, Bhopal.
- 5 **Mritunjay O.**, "Detection of Retinal Disease- BRVO", International E-Conference on Advances in Information Technology and Research" ICAITR-2021.
- 6 M. M. Patil, **P. Kumar, S. M. Khot** and N. Satpute, "Characterization of Magneto-Rheological Damper," 2021 4th Biennial International Conference on Nascent Technologies in Engineering (ICNTE), 2021, pp. 1-5, [DOI: 10.1109/ICNTE51185.2021.9487576](https://doi.org/10.1109/ICNTE51185.2021.9487576)
- 7 **S. M. Khot, N. P. Yelve and P. Kumar**, "Investigation on Performances of Different types of Classical Controllers in Active Vibration Control," 2021 4th Biennial International Conference on Nascent Technologies in Engineering (ICNTE), 2021, pp. 1-6, [DOI:10.1109/ICNTE51185.2021.9487586](https://doi.org/10.1109/ICNTE51185.2021.9487586)
- 8 Menezes J., Das S., Panchal B., **Yelve N.P.**, Kumar P. (2022) "Mapping, Trajectory Planning, and Navigation for Hexapod Robots Using ROS", In: Govindan K., Kumar H., Yadav S. (eds) Advances in Mechanical and Materials Technology. Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-16-2794-1_76
- 9 F. Ahmed, R. Paul, M. M. Ahmad, A. Ahammad and S. Singha, **Mathewlal T**, "Design and Development of a Smart Wheelchair for the Disabled People," 2021 International Conference on Information and Communication Technology for Sustainable Development (ICICT4SD), 2021, pp. 45-49, DOI: [10.1109/ICICT4SD50815.2021.9397034](https://doi.org/10.1109/ICICT4SD50815.2021.9397034)

- 10 **P. Kumar, A. Siddiqui**, A. Ghadi, D. Tony, S. Rhenius and S. Rane, "Damage Detection in beams using Vibration analysis and Artificial Neural Network," 2021 4th Biennial International Conference on Nascent Technologies in Engineering (ICNTE), 2021, pp. 1-5, DOI:[10.1109/ICNTE51185.2021.9487658](https://doi.org/10.1109/ICNTE51185.2021.9487658)
- 11 Gujar S.S., **Rukhande S.W.** & Rathod W.S. Sliding Wear Investigation of Ni-Based Coating and SS 316L for Hydraulic Fracturing Tools in Water-Diesel Condition. *J Fail. Anal. and Preven.* National Level Technical Paper Presentation Conference (2022). <https://doi.org/10.1007/s11668-022-01370-4>
- 12 **Sanjay W. Rukhande**, Walmik S. Rathod, "An isothermal oxidation behaviour of atmospheric plasma and high-velocity oxy-fuel sprayed nickel based coating", *Ceramics International*, Volume 46, Issue 11, Part B, 2020, ISSN 0272-8842, <https://doi.org/10.1016/j.ceramint.2020.04.155>
- 13 G. P. Bile, **S. W. Rukhande** and W. S. Rathod, "Investigation of Friction and Sliding Wear for Journal Bearing Using Taguchi Optimization," 2021 4th Biennial International Conference on Nascent Technologies in Engineering (ICNTE), 2021, pp.1-7, DOI:[10.1109/ICNTE51185.2021.9487703](https://doi.org/10.1109/ICNTE51185.2021.9487703)
- 14 **Rode Suvarna** & Kadam Akash & More Kedar & Fernandes, Franklin & Heber, Gracewin. (2019). "DESIGN AND DEVELOPMENT OF 3D SCANNER." 6th International Conference on Production and Industrial Engineering (CPIE-2019), 2020-21
- 15 Kalaskar Rohan and Shete Omkar and Panesar Taranpal Singh and Hande Shubham and Francis Agnel and **U. S .Pushpa**, "Railway Alert System" (April 8, 2020). Proceedings of the 3rd International Conference on Advances in Science & Technology (ICAST) 2020, Available at SSRN: <https://ssrn.com/abstract/3599421> <http://dx.doi.org/10.2139/ssrn.3599421>
- 16 **Kolhekar Megha** & **Shah Milind** & **Jadhav Anita**. (2021) "Engaging Students Actively for Effective Teaching-Learning." *Journal of Engineering Education Transformations*. 34. 407. DOI:[10.16920/jeeet/2021/v34i0/157189](https://doi.org/10.16920/jeeet/2021/v34i0/157189)
- 17 A. R. Mathew, **R. Bindu** and **S. Thale**, "Design of a Power Electronic Drive for a Small Utility Electric Vehicle," 2020 IEEE India Council International Subsections Conference (INDISCON), 2020, pp. 72-77, doi: [10.1109/INDISCON50162.2020.00027](https://doi.org/10.1109/INDISCON50162.2020.00027)
- 18 S. Muchande, **S. Thale** and R. Wandhare, "Integrated Solar PV-Battery and Micro-Hydro Based Low-Voltage Autonomous DC Microgrid for Rural Electrification," 2020 47th IEEE Photovoltaic Specialists Conference (PVSC), 2020, doi: [10.1109/PVSC45281.2020.9300876](https://doi.org/10.1109/PVSC45281.2020.9300876)
- 19 S. Muchande and **S. Thale**, "Design and Implementation of Autonomous Low Voltage DC Microgrid with Hierarchical Control," 2020 IEEE First International Conference on Smart Technologies for Power, Energy and Control (STPEC), 2020, doi [10.1109/STPEC49749.2020.9297748](https://doi.org/10.1109/STPEC49749.2020.9297748)
- 20 S. Dalvi and **S. Thale**, "Design of DSP Controlled Passive Cell Balancing Network based Battery Management System for EV Application," 2020 IEEE India Council International Subsections Conference (INDISCON), 2020, doi, [10.1109/INDISCON50162.2020.00029](https://doi.org/10.1109/INDISCON50162.2020.00029)
- 21 Fabian Tauro, **S Bindu**, R. G. Rane, "Design of a Full-Bridge Converter for Lead-Acid Battery Charging and Powering DC Loads," 2020 IEEE International Power and Renewable Energy Conference, 2020, pp. 1-6, doi: [10.1109/IPRECON49514.2020.9315230](https://doi.org/10.1109/IPRECON49514.2020.9315230)

- 22 **Namboothiripad Mini K** and Datar, Mandar J and Chandorkar, Mukul C and Patkar, Sachin B, "Accelerator for Real-Time Emulation of Modular-Multilevel-Converter Using FPGA", 2020 IEEE 21st Workshop on Control and Modeling for Power Electronics (COMPEL), [10.1109/COMPEL49091.2020.9265684](https://doi.org/10.1109/COMPEL49091.2020.9265684)
- 23 R. Wandhare, V. Randive and **S. Thale**, "Design of a PV fed Hybrid DC Bus Power Supply with the High Voltage Ride Through Capability," 2020 47th IEEE Photovoltaic Specialists Conference (PVSC), 2020, pp. 2743-2750, doi: [10.1109/PVSC45281.20.20.9300802](https://doi.org/10.1109/PVSC45281.20.20.9300802)
- 24 T. Deshpande, S. Das, H. Chavan, A. K. Hangloo and **S. Jadhav**, "Solar Powered LED Street Lighting with Digital Control for Dimming operation," 2021 4th Biennial International Conference on Nascent Technologies in Engineering (ICNTE), 2021, pp. 1-5,. [DOI: 10.1109/ICNTE51185.2021.9487722](https://doi.org/10.1109/ICNTE51185.2021.9487722)
- 25 S. Devlekar and **M. Rane**, "Modeling and analysis of dual side de-tuned series-series compensation network-based Wireless Power Transmission system," 2020 IEEE India Council International Subsections Conference (INDISCON), 2020, pp. 102-107, doi: [10.1109/INDISCON50162.2020.00032](https://doi.org/10.1109/INDISCON50162.2020.00032)
- 26 J. Shastri, D. Narkar, M. Sase and **R. Kale**, "Implementation of Solar Based Irrigation System for Conditions like Pandemic," 2021 4th Biennial International Conference on Nascent Technologies in Engineering (ICNTE), 2021, pp.1-5, [DOI: 10.1109/ICNTE51185.2021.9487661](https://doi.org/10.1109/ICNTE51185.2021.9487661)
- 27 N. Lathia, A. Phadale, S. Khapne, K. Parab and **R. Kale**, "Design and Modeling of Pandemic Featured Smart LED System," 2021 4th Biennial International Conference on Nascent Technologies in Engineering (ICNTE), 2021, pp.1-6, doi: [10.1109/ICNTE51185.2021.9487661](https://doi.org/10.1109/ICNTE51185.2021.9487661)
- 28 Patil Dipti D and **Bindu S.** and others, "Arc Fault Detection in DC Microgrid Using Deep Neural Network", 4th Biennial International Conference on Nascent Technologies in Engineering (ICNTE), 2021 [DOI: 10.1109/ICNTE51185.2021.9487585](https://doi.org/10.1109/ICNTE51185.2021.9487585)
- 29 N. P. Totare and **Bindu S.**, "Electricity Distribution Firm Tariff Rationalization in Multi Year Tariff Policy," 2021 4th Biennial International Conference on Nascent Technologies in Engineering (ICNTE), 2021, pp. 1-5,. [DOI: 10.1109/ICNTE51185.2021.9487769](https://doi.org/10.1109/ICNTE51185.2021.9487769)
- 30 Umbarkar, Sachin and **Bindu S** and Mangalvedekar, HA and Sharma, Archana and Saroj, PC}, "Mathematical Modeling of Peaking Switch", 2021 4th Biennial International Conference on Nascent Technologies in Engineering (ICNTE), [DOI: 10.1109/ICNTE51185.2021.9487580](https://doi.org/10.1109/ICNTE51185.2021.9487580)
- 31 U. Mishra and **M. Rajeev**, "An Investigation in to the Parasitic Influence on the Performance of Buck-Boost converter," 2021 4th Biennial International Conference on Nascent Technologies in Engineering (ICNTE), 2021, pp.16. [DOI: 10.1109/ICNTE51185.2021.9487664](https://doi.org/10.1109/ICNTE51185.2021.9487664)
- 32 M. J. Khan, J. R. Caleb, **L. Gadhikar** and S. Mehershahi, "Automated Surveying for Construction Engineering," 2021 4th Biennial International Conference on Nascent Technologies in Engineering (ICNTE), 2021, pp.1, [DOI: 10.1109/ICNTE51185.2021.9487670](https://doi.org/10.1109/ICNTE51185.2021.9487670)
- 33 S. Mul, A. Philip, M. Correia and **L. Gadhikar**, "Baggage Tracking Using RFID and Blockchain Technology," 2021 4th Biennial International Conference on Nascent Technologies in Engineering (ICNTE), 2021, pp. 1-5, [10.1109/ICNTE51185.2021.9487770](https://doi.org/10.1109/ICNTE51185.2021.9487770)
[DOI: 10.1109/ICNTE51185.2021.9487770](https://doi.org/10.1109/ICNTE51185.2021.9487770)
- 34 **A. Shirke**, N. Gaonkar, P. Pandit and K. Parab, "Handwritten Gujarati Script Recognition," 2021 7th International Conference on Advanced Computing and Communication Systems (ICACCS), 2021, pp. 1174-1179, doi: [10.1109/ICACCS51430.2021.9441811](https://doi.org/10.1109/ICACCS51430.2021.9441811)

- 35 **Archana Shirke** ,“Automated Answering Assistant System”, In Proc of International Conference on Innovative Trends In Information Technology (ICITIIT-21), IIIT, Kottayam, Kerala International Conference 2020-2021
- 36 **Trupti Lotlikar** , “On-device ML: An efficient approach to classify large number of images using multi-threading in Android Devices”, Springer International Conference on artificial intelligence: advances and applications (ICAIAA 2021), Poornima College Of Engineering , Jaipur And Rajasthan Technical University, Kota
- 37 Desabathina, Naga Venkata Mohit and Kawale, Akash and Pagare, Shreyash and **Lotlikar Trupti**, “Blockchain-Based Electronic Health Record Management”, Available at SSRN 3867613, 2021
- 38 M. Abraham, N. Suryawanshi, N. Joseph and **D. Hadsul**, "Future Predicting Intelligent Camera Security System," 2021 International Conference on Innovative Trends in Information Technology (ICITIIT), 2021, pp. 1-6, doi: [10.1109/ICITIIT51526.2021.9399597](https://doi.org/10.1109/ICITIIT51526.2021.9399597)
- 39 **K. Wani** , A. Patil, S. Mukherjee and S. Sarkar, "Malicious Twitter Bot Detector," 2021 4th Biennial International Conference on Nascent Technologies in Engineering (ICNTE), 2021, [DOI: 10.1109/ICNTE51185.2021.9487674](https://doi.org/10.1109/ICNTE51185.2021.9487674)
- 40 **K. Wani**, N. Tiwari, R. Benny and P. Patil, "Waste AI: Estimation and Prediction of Waste," 2021 4th Biennial International Conference on Nascent Technologies in Engineering (ICNTE), 2021, [DOI: 10.1109/ICNTE51185.2021.9487735](https://doi.org/10.1109/ICNTE51185.2021.9487735)
- 41 **Rupali N Deshmukh**, " Cursor Movement Using Hand Gestures”, Fifth International Conference on information and communication technology for intelligent systems, ICTIS 2021 Ahmedabad
- 42 **Rupali N Deshmukh**, “Early Epilepsy Seizure Prediction using CNN”, 2nd International Conference on Artificial Intelligence: Advances and Applications (ICAIAA 2021), Jointly Organized by Poornima College of Engineering, Jaipur and Rajasthan Technical University, Kota in Association with Soft Computing Research Society. Jaipur and Rajasthan Technical University, Kota

Agnel Charities

Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai, Maharashtra

Conference Publications

Academic Year 2019-2020

- 1 Patil Saurabh, and **Lata Ragha**. "Deployment and decentralized identity management for VANETs." 3rd International Conference on Emerging Technologies in Computer Engineering: Machine Learning and Internet of Things (ICETCE), SKITMG, Jaipur, 7-8 February 2020.
- 2 **Dr. Lata Ragha**, "Image Compression Using Generative Adversarial Networks", Proceedings of IEEE Global Conference for Advancement in Technology ,IEEE Global Conference for Advancement in Technology,Electronic ISBN:978-1-7281-9744-9
- 3 **Dr. Lata Ragha**, "Alphanumeric Character Recognition on Tiny Dataset", Vaigai College of Engineering, Madurai, 19-20 December 2019, pp 657-667, Published as part of the Lecture Notes on Data Engineering and Communications Technologies book series (LNDECT, volume 49) ISSN: 2194-5357
- 4 **Mrs. Kiruthika M.**, "PMU and DVR based Power System Monitoring, Controlling and Voltage sag Compensation", International Conference on Automation, Communication and Computing 2020 (ICACC-2020),International ,eISSN: 2261-236X ITM Web of Conferences Matec Web Of Conferences -Open Access
- 5 Palani Salome, Arya Kulkarni, Abishai Kochara, and **M. Kiruthika**. "Detection of Thoracic Diseases using Deep Learning." In ITM Web of Conferences, vol. 32, p. 03024. EDP Sciences, 2020.
- 6 **Dange Smita**. "IoT Botnet: The Largest Threat to the IoT Network", International Conference on Computing, Power and Communication Technologies will be published as a book chapter in Data Communication and Networks-Proceedings of GUCON 2019, 10.1007/978-981-15-01326.
- 7 A. Srivastava, S. Shinde, N. Patel, S. Despande, A. Dalvi and **S. Tripathi**, "Questionator Automated Question Generation using Deep Learning," 2020 International Conference on Emerging Trends in Information Technology and Engineering (ic-ETITE), 2020, pp. 1-5, doi: 10.1109/ic-ETITE47903.2020.212.
- 8 Fernandez Ahan, Ashriel Waghmare, and **Shweta Tripathi**. "Agricultural supply chain using blockchain." Proceedings of International Conference on Intelligent Manufacturing and Automation. Springer, Singapore, 2020.
- 9 L. Abraham, S. Biju, F. Biju, J. Jose, **R. Kalantri** and **S. Rajguru**, "Swarm Robotics in Disaster Management," 2019 International Conference on Innovative Sustainable Computational Technologies (CISCT), 2019, doi:10.1109/CISCT46613.2019.9008139.
- 10 Moares Rohan and Jadhav Vaishnavi and Bagul Rushikesh and Jacob Reji and **Rajguru Shagufta** and **K Rakhi**, "Inter AR: Interior Decor App Using Augmented Reality Technology", January 3, 2020 . Proceedings of the 5th International Conference on Cyber Security & Privacy in Communication Networks ICCS 2019 National Institute of Technology, Kurukshetra, India, Available at <https://ssrn.com/abstract3513248>
- 11 **Ms.Rakhi K, Ms. Shagufta R**, "M-Lens An IOT Based Deep Learning Device", First International Conference on Advanced Communication & Computational Technology (ICACCT - 2019), eBook ISBN 978-981-15-5341-7 ,Elsevier-SSRN

- 12 **Mrs. Dakshayani G.**, "Intrusion Detection: A Machine learning approach", Second International Conference on Advance Computing and Application", ICACTA 2020 on the theme Intelligent Computing, ISBN 978-981-15-3242-9, Springer, 2019-20
- 13 **Deshmukh Nilaj, Pathan Shamim, Kumar Praseed.** "Measurement and control of temperature and speed using Labview", I st international conference on Applied Mechanical Engineering Research, NIT Warangal May 2-5, 2019.
- 14 Chibire Sonal & **Yelve Nitesh**, Chavan Vivek., "Evaluation of fracture toughness of precracked steel specimen using split hopkinson pressure bar", 3rd International Conference and Exhibition on Fatigue, Durability and Fracture Mechanics, Belagavi, India, August 2019.
- 15 **Kumar Praseed, Sasane Kamlesh**, Bhosale Ram, **Pathan Shamim.** (2019). "Vibration analysis of Quarter car model with conventional and Force –Voltage analogy", Ist International Conference on Mechanical Engineering and Research, November 2019, Tiruchirapally.
- 16 **Devasagayam Deepak**, Shende Ajinkya, Gonsalves Aldrick, Padalkar Kaustubh Rodrigues, Vinit. (2019). "Design and Development of Fruit Sorting and Packaging Machine", Proceedings of the 5th International Conference on Industrial Engineering (ICIE-2019).
- 17 **Kudachi, Nilesh Varkute, Bipin Mashilkar**, Srikant Guthulla, Prabhav Jayaprakash, Alex Aaron, Simran Joy, "Experimental and computational study of phase change material based shell and tube heat exchanger for energy storage", 2nd International Mechanical Engineering Congress – 2019 (IMEC-2019), ISSN 2214-7853, <https://doi.org/10.1016/j.matpr.2021.05.295>
- 18 **Kolhekar Megha**, et al. "A Neural Network Application of Fully Homomorphic Encryption for Cloud Computing." Proceedings of the 3rd International Conference on Advances in Science & Technology, ICAST. 2020.
- 19 Mane Swapnil, Nath Tiasha, Thomas Shobin, Swami Omkar, **Choudhari Pranali, Chopde Smita.** (2020). "Thought to Text Conversion Using Deep Learning", 4th International Conference for Information and Communication Technology for Competitive Strategies- ICTCS-2019, 10.1201/9781003052098-54.
- 20 A. Singh, A. Kittur, K. Sonawane, A. Singh and **S. Upadhya**, "Analysis of Time Domain Features of Dysarthria Speech," 2020 Fourth International Conference on Computing Methodologies and Communication (ICCMC), 2020, pp. 122-125, doi: 10.1109/ICCMC48092.2020.ICCMC-00025.
- 21 Pagare Prajakta, **Upadhya Savitha**, Desai Jatin, Kumbhare Manoj, Thakur Kiran and Krishnan, R., "Implementation of Modbus on FPGA", SSRN-Elsevier's Online Digital Publication under -ICICC-2020 Conference Proceedings, 3rd International Conference on Innovative Computing and Communication (ICICC-2020), ISBN: 978-981-15-5113-0
- 22 A. Dhanawade, A. Drode, G. Johnson, A. Rao and **S. Upadhya**, "Open CV based Information Extraction from Cheques," 2020 Fourth International Conference on Computing Methodologies and Communication (ICCMC), 2020, pp. 93-97, doi: 10.1109/ICCMC48092.2020.ICCMC00018.
- 23 Jaya Prasad, Reema Anne Roy, Monish Mohan Kora, Abin Sam, Chriso Christudhas, **Pranali Choudhari**, "Design And Development Of Low-Cost Portable System For Detection Of Eye Diseases", 4th International Conference On Information and Communication Technology for Competitive Strategies (ICTCS 2019), ISBN: 978-1-003-05209-8 <https://doi.org/10.1201/9781003052098>
- 24 **Amruta Pabarekar**, "Smart Garbage monitoring system", International Conference on Energy and Sustainable Development 2020, ISBN 978-93-83660-56-8, Proceedings of ICESD2020, Institute of Engineers ,2019-20

- 25 Vandana Omkumar Dhillon ,**Amruta Pabarekar** ,Sreedevi Nair , (2020) " Active Bandpass Filter Design to Attenuate Harmonic Distortions in MPI Scanner ",International Conference on Mobile Computing and Sustainable Informatics (ICMCSI 2020) , ISSN: 2522-8595
- 26 Roy Ashly, Jose Merin, Thomas Sreya, Dalvi Shweta, **Rajput Manita**. (2020). "Traffic Avoidance System for High Priority Vehicles", ICACC-2020, ITM Web of Conferences. <https://doi.org/10.1051/itmconf/20203202007>
- 27 Manjule H., **Upadhyaya S.**, **Wankhede N.**, Kumbhare M., Thakur K., & Krishnan R. (2020, June). "Ethernet Implementation on FPGA". In 2020 International Conference for Emerging Technology (INCET) (pp. 1-4).
- 28 **Sreedevi N.**, "Active bandpass filter design to attenuate harmonic distortions in MPI scanner," International Conference on Mobile Computing and Sustainable Informatics (ICMCSI 2020) ,ISSN: 2522-8595 ,Springer
- 29 Nikhil Sarode, **Divya M** , "Active Battery Balancing Using Cuk converter", National Conference on Renewable Energy and Sustainable Environment Aug 30-31, 2019, Print ISBN978-981-15-5312-7 Online,ISBN 978-981-15-5313-4.
- 30 Neelam S. Pinjari and **Sreedevi Bindu** "Design, Analysis and Hardware Implementation of Modified Bipolar Solid-State Marx Generator",2020, ICAER 2019, IIT Bombay, 10 - 12 December 2019, Print ISBN978-981-15-5954-9, Online ISBN 978-981-15-5955-6
- 31 Patwardhan Salil, **R. Bindu**, and **Sushil Thale**. "Modeling and Performance Analysis of Battery Electric Vehicle." 2019, 2nd International Conference on Power and Embedded Drive Control ICPEDC. IEEE, 2019.,Electronic ISBN:978-1-7281-2414-8 Print on Demand(PoD) ISBN:9781-7281-2415-5 .
- 32 Kokate Anvay, **Sreedevi Nair**. "Modeling and simulation of standalone wind energy conversion system. " 3rd International Conference on Trends in Electronics and Informatics ICOEI. IEEE, 2019. Electronic ISBN:978-1-5386-9439-8 DVD ISBN:978-1-53869438-1 Print on Demand (PoD) .
- 33 O. Patkar and **M. Rajeev**, "Experimental Validation of a Transformer-less Inverter with Improved Gain for Grid-PV Interface, " 2019 National Power Electronics Conference (NPEC), 2019, pp. 1-6, doi: 10.1109/NPEC47332.2019.9034810.
- 34 M. Khan and **S. Thale**, "Design and Development of AC Microgrid Power Conditioning Unit for Renewable Energy Integration, " 2019 International Conference on Advances in Computing, Communication and Control (ICAC3) 2019, doi: 10.1109/ICAC347590.2019.9036833.
- 35 Muazzam Phansopkar, **Mahendra Rane** , " Analysis and Simulation of Quasi Z-Source Inverter with Energy Storage System, "International Journal of Industrial Electronics and Electrical Engineering (IJIEEE), Volume-7,Issue-12 (Dec, 2019)
- 36 M. Phansopkar, **M. Rane** and **S. Thale**, "Analysis and Control of Quasi Z-source Inverter with Digital Current Control for Energy Storage," 2019 8th International Conference on Power Systems (ICPS), 2019, doi:10.1109/ICPS48983.2019.9067736 ,
- 37 **M. K. Namboothiripad**, M. J. Datar, M. C. Chandorkar and S. B. Patkar, "FPGA Accelerator for Real-Time Emulation of Power Electronic Systems Using Multiport Decomposition," 2019 National Power Electronics Conference (NPEC), 2019, pp. 1-6, doi: 10.1109/NPEC47332.2019.9034784.
- 38 Y. Mahajan, S. Obla, **M. K. Namboothiripad**, M. J. Datar, N. N. Sharma and S. B. Patkar, "FPGA-Based Acceleration of LU decomposition for Analog and RF Circuit Simulation," 2020 33rd International Conference on VLSI Design and 2020 19th International Conference on Embedded Systems (VLSID), 2020, pp. 131-136, doi: 10.1109/VLSID49098.2020.00040.

- 39 Suraj Kamat and **Seema Jadhav**, "Design and Simulation of Low Power Charging Station for Electric Vehicle," 2019 International Conference on Advances in Computing, Communication and Control (ICAC3), 2019, pp. 1-4, doi: 10.1109/ICAC347590.2019.9036771.
- 40 **Harshada C. Bhosale, Rashmi Kale, Ruchi Harchandani** "Significant Role, Design and Stability Analysis of Flyback Converter in Demand-side Management of Distributed Power" Proceedings of IEEE International Conference on Advances in Computing, Communication and Control (ICAC3 19) ISBN Information: Electronic ISBN:978-1-7281-2386-8 Print on Demand PoD ISBN:978-1-7281-2387-5 IEEE explorer
- 41 **Mini R**, "Implementation of Bidirectional DC-DC converter and Inverter for Drive Application, Conference on Energy and sustainable development", Feb 14-15, 2020, International Conference, ISBN 978-93-83660-56-8, Jadavpur University, Kolkata, India (ICESD-2020)
- 42 Singh Aadya, George Abey, Gupta Pankaj, **Gadhikar Lakshmi**. (2021). "ShallowFake-Detection of Fake Videos Using Deep Learning", International Conference on Deep Learning, Artificial Intelligence and Robotics, (ICDLAIR) 2019, Malaviya National Institute of Technology (MNIT), Jaipur, December 07-08, 2019.,Print ISBN 978-3-030-67186-0 Online ISBN 978-3030-67187-7
- 43 **Lakshmi M. Gadhikar** , "Eyephone-Eye Tracking Application for Digital Devices", International Conference on Advances in Systems, Control and Computing (AISCC-2020) at Malaviya National Institute of Technology Jaipur (MNIT Jaipur), February 27-28, 2020. Print ISBN : 978-981-33-4861-5 Online ISBN : 978-981-33-4862-2
- 44 **Archana Shirke**, "Explicit Text Classification for Hinglish language", International Conference on Novelty in Applied Science, Engineering and Technology (ICNAET-2020), Chennai, ICNAET - 2020
- 45 **Archana Shirke**, "Handwritten Gujarati Script Recognition using OpenCV and Neural Networks", International Conference on Recent Advances in Engineering and Technology (ICRAET-2020), Pune
- 46 **Shirke Archana**, et al. "Handwritten Gujarati Script Recognition." 2021 7th International Conference on Advanced Computing and Communication Systems ICACCS . Vol. 1. IEEE, 2021.
- 47 **Trupti Lotlikar**, "Recommender Systems for University Elective Course Recommendation", International Conference on Advances in Systems, Control and Computing (AISCC-2020)" at Malaviya National Institute of Technology Jaipur (MNIT Jaipur),AISCC-2020 MNIT Jaipur.
- 48 **Dhanashree Hadsul** , "OneTouch – The Workers App" , In Proc of International conference on advances in systems, control and computing ,MNIT, Jaipur,2019-2020 , Mobile tools for community health workers : an application of machine vision for mobile phones. AISCC-2020 MNIT Jaipur,
- 49 Shaw Sourav, Kadam Swapnali, Joshi Shreya,**Hadsul Dhanashree**, "Advanced Virtual Apparel Try Using Augmented Reality AVATAR", International Conference on Soft Computing: Theories and Applications 2019 (SoCTA2019), NIT, Patana, Print ISBN 978-981-15-4031-8 Online ISBN 978-981-15-4032-5, DOI: 10.1007/978-981-15-4032-5_44
- 50 Mukherjee Diksha, Paulson Albin, Varghese Shajo, **Nivelkar Mukta**. "SNAP N' COOK—IoTBased Recipe Suggestion and Health Care Application", International conference on soft computing: Theories and applications. NIT Patna Bihar, Print ISBN 978-981-15-4031-8 Online ISBN 978-981-15-4032-5.
- 51 **Poonam Bari**, "Cnn Based Personality Prediction Using Handwriting Analysis", International Conference on Smart Technology, Artificial Intelligence and Computer Engineering (ICSTAICE-2020), Mumbai, ICSTAICE - 2020

- 52 **Poonam Bari**, “Smart Eye For Blind”, International Conference on Big Data, IoT, Cyber security and Information Technology (ICBDICSIT) at Pune, ICBDICSIT 2020, ISSN(p)23202106 ISSN(e) : 2321-2063
- 53 **Anandkumar Pardeshi**, “RFID Based E-Commerce Smart Shopping Trolley”, In Proc of International Conference On Novelty In Applied Science, Engineering & Technology ICNAET-2020, New Prince Shri Bhavani College of Engineering and Technology (NPSBCET), Chennai, On March 15th , 2020, ISBN: 978-93-5396-531-0.
- 54 **Anandkumar Pardeshi** , Automatic Gender and Age Identification for Targeted Advertisement, International Conference on Recent Advances in Computer Science and Information Technology (ICRACSIT) held in Pune, 2019-2020, ISSN - ISBN Number : 978-93-89732-82-5,
- 55 **Kalpna Wani**, “Object Detection and Pattern Analysis in an Autonomous Car”, International Conference on Advances in systems, control and computing AISCC-2020 at MNIT Jaipur, 2019-2020, AISCC-2020, MNIT Jaipur
- 56 **Smita Rukhande** , “Digital Newspaper using Augmented Reality” , ICAMCI-2020 International Conference On Applied Mathematics & Computational Intelligence, NIT Agartala, ICAMCI2020, NIT Agartala , 2019-2020 .
- 57 **Smita Rukhande** ,”Wireless Emanation of Braille to Text/voice & Vice versa”, Springer Nature Book Chapter Part of the Advances in Intelligent Systems and Computing book series AISC, volume 1154 , CInternational conference on soft computing: Theories and applications. NIT Patna Bihar India. Print ISBN 978-981-15-4031-8 Online ISBN 978-981-15-4032-5
- 58 **Deshmukh Rupali**, Tiwari Saurabh, Shambhavi Sant, Jayant Bhopale, Mokshi Kachroo. “Handwritten Gujarati Character Detection Using Image Processing and Recognition Using HOG, DHV Features and KNN”, International Conference on Deep Learning, Artificial Intelligence and Robotics, Malaviya National Institute of Technology (MNIT), Jaipur , National Institute of Technology, Uttarakhand(ICDLAIR) 2019, 10.1007/978-3-030-67187-7_8.
- 59 **Rupali N Deshmukh**, “LOOKOUT - The Emergency Application”, In Proc of AISCC-2020: International Conference on Advances in Systems, Control and Computing, Malaviya National Institute of Technology Jaipur as Book Chapter in Applications of Advanced Computing in Systems, Springer, Singapore eBook ISBN 978-981-334-862-2 Hardcover ISBN 978-981-334-861-5 DOI 10.1007/978-981-33-4862-2 Springer Singapore
- 60 **Deshmukh, Rupali**, et al. “Decentralized Voting System Using Block Chain Technology, CSI2020: International Conference on Digital Democracy - IT for Change, KIIT Bhubaneswar, 30May-June1,2020, CCIS Vol.1372. CSI 2020, KIIT Bhubaneswar
- 61 Achyut Morbekar, Ashi Parihar, Rashmi Jadhav, **Suraj Khandare**, “AgroWeb – Crop Disease Detection and Monitorization” , Wrfase International Conference, Mumbai , India WF-MLBDMMBI-230320-463 , International Journal of Advance Computational Engineering and Networking IJACEN , pp. 1-8, Volume-8, Issue-6

Agnel Charities

Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai, Maharashtra

Conference Publications

Calendar Year 2019

1. Vaishali Sarbhukan, and **Lata Ragha**, “Impact of Mobility and Density on Performance of MANET,” Intelligent communication Technologies and Virtual Mobile Networks (ICICV), Springer Conference at Francis Xavier Engineering College, Tirunelveli, Tamil Nadu, February 14-15, 2019, Springer Notes on “Data Engineering and Communications Technologies”
2. Shivanand Gollagi, Krupa Jariwala, Aleena George, Tushar Masane and **Lata Ragha**, “Image Compression Using Generative Adversarial Networks,” IEEE Global Conference for Advancement in Technology (NCET), Bangalore, October 18–20, 2019, publication in IEEE Xplore.
3. Sujit Amin, Nikita Jayakar, Sonia Sunny, Pheba Babu, Ambarish Gurjar, **M. Kiruthika**, “Web Application for Screening Resume,” in Proc. 3rd Biennial International Conference on Nascent Technologies in Engineering (ICNTE), Fr. C. Rodrigues Institute of Technology, Navi Mumbai, January 4-5, 2019.
4. **Kiruthika M**, Abhishek D Chalwadi, **Bindu S**, “Phasor Measurement Units based Impedance Relay: A Case Study”, 4th International Conference on Recent Trends on Electronics, Information, Communication and Technology (RTEICT), SVCE Bengaluru, May 17-18, 2019.
5. Rakhi K, Shagufta R, “Swarm Robotics in Disaster Management”, IEEE International Conference on Innovative Sustainable Computational Technologies (CISCT), Graphic Era Deemed University, Dehradun, October 11-12, 2019, publication in IEEE Xplore.
6. Akshay Bhosale, Gloria Benny, Robin Jaison, Adil Khot, **Sandhya Pati**, “Indoor Navigation System using BLE Beacons,” in Proc. of 3rd Biennial International Conference on Nascent Technologies in Engineering (ICNTE), Fr. C. Rodrigues Institute of Technology, Navi Mumbai, January 4-5, 2019
7. **Rahul Jadhav, Dakshayani G and Kavita S.**, “Smart Towing System Using Mobile Application,” in Proc. Better things for Better Living, NITS & IIT Kharagpur, April 7-11, 2019.
8. Rahul Jadhav and Dakshayani G, “Chronic Kidney disease Predication & Recommendation of suitable Diet Plan by using Machine Learning,” in Proc. ICNTE, Fr. C. Rodrigues Institute of Technology, Navi Mumbai, 4-5 January, 2019.

9. Mohd. Azfar Rafiuddin Khan, **Nilaj D.**, “Identification of Cordwise Location of Shear Web of Wind Turbine Blade”, International Conference on Nascent Technologies in Engineering (ICNTE-2019), Fr. C. Rodrigues Institute of Technology, Vashi, Jan 4-5, 2019
10. **Nilaj N. Deshmukh**, “Suppression of Thermo-Acoustic Instabilities by Passive Approach”, 2nd Symposium on Nascent Technologies in Aerospace Engineering and Aviation Systems (AAKASH 2019), Aeronautical Society of India (Mumbai Branch), Fr. C. Rodrigues Institute of Technology and Thakur Institute of Aviation Technology, Kandivali, India, March 30, 2019.
11. **Nilaj N. Deshmukh, Badal Kudachi**, Salmon Joy, Shaunak Phansalkar, Vishnu Pillai, Titus Thomas, “Suppression of Thermo-Acoustic Instabilities Using Helmholtz Resonator”, International Conference on Nascent Technologies in Engineering (ICNTE 2019), IEEE, 4- 5 Jan 2019.
12. **Badal Kudachi, Nitin Satpute, Nilaj Deshmukh and Bipin Mashilkar**, “Performance and Emission Characteristics of Thermal Barrier Coating on Diesel Engine Fueled with Cottonseed Biodiesel”, 1st International Conference on Applied Mechanical Engineering Research (ICAMER - 2019), NIT Warangal, 2-4 May 2019.
13. **Shamim P., Praseed K., Nilaj D.**, “Measurement and Control of Temperature and Speed using LabVIEW”, International conference on Applied Mechanical Engineering Research 2019 (IC-AMER), NIT Warangal, 2-4 May 2019.
14. **Nitin Satpute, Badal Kudachi, Jugulkar L. M., Abhijeet R. M., Bipin M.**, “Hybrid Shock Absorber with Electromagnetic and Fluid Damper for Application in an Automotive Suspension”, International Conference on Nascent Technologies in Engineering (ICNTE 2019), 4-5 Jan 2019.
15. **Badal Kudachi**, Avnish Dubey, Harshit Singh, Mayank Upasani, “Recent Progress in Renewable Energy Sources and Challenges to Meet Future Energy Demands in India”, International Conference on Energy and Environmental Challenges (CE2C 2019), VNIT Nagpur, 18-19 January, 2019.
16. **Prasad B.** Slyden R., Terrence P. Sagar P., Brean B., “Modeling and Analysis of Textured Surfaces on a single point cutting tool.” International Conference of Nascent Technology & Engineering (ICNTE - 2019), 4-5 January, 2019.
17. **Pallavi K., Girish D., Nilesh V., Libin K, Edwin W., Abrar U., Marshal M.**, “Condition Monitoring of Centrifugal Pumps Using Vibration Analysis and Artificial Neural Networks” International Conference on Production and Industrial Engineering (CPIE-2019), 8-10 June 2019.

18. **Prasad B.**, Syju A., Mohd. Ibrahim, Abhishek S., Krishnakumar M., “Design and Analysis of Milling Attachment on Lathe Machine”, International Conference on Production and Industrial Engineering (CPIE-2019), NIT, Jalandhar, 8 – 10 June 2019.
19. **Suvarna Rode**, Kedar more, Akash Kadam, Franklin Fernandes, Gracewin Heber, “Design and Development of 3D scanner”, International Conference on Production and Industrial Engineering (CPIE-2019), NIT, Jalandhar, 8-10 June 2019.
20. **Deepak D.**, Ajith Nair, Shenon G., Jerome F., Poorva K, “Design and development of Laser wall system,” International Conference on Production and Industrial Engineering (CPIE-2019), NIT, Jalandhar, 8 – 10 June, 2019.
21. Shreyas A., Agnel T., Leslie F., Rohan J., **Kamlesh S., Aqleem S.**, “Incorporating additional power cycle in conventional four stroke SI engine to develop six stroke Engine”, 1st International Conference on Applied Mechanical Engineering Research (ICAMER - 2019), NIT Warangal, 2-4 May, 2019.
22. **Audrey C., Kamlesh S., Shamim P., Bipin M.**,” Need for change in the attitude in stereotyping professional fields like Engineering, as being gender specific” RWTE-2019, NIT Warangal, 8-9 March, 2019.
23. **Sanjay Rukhande**, “Investigation of Disc Brake Squeal using FE simulation and Experimentation”, National Conference on Sustainable Manufacturing and Waste Management, SCOE, Kharghar, 2019.
24. N. C. Nag and **M. S. Shah**, “Investigating single channel source separation using non-negative matrix factorization and its variants for overlapping speech signal,” in Proc. 3rd Biennial International Conference on Nascent Technologies in Engineering, Fr. C. Rodrigues Institute of Technology, Navi Mumbai, January 04-05, 2019.
25. N. C. Nag and **M. S. Shah**, “Investigating single channel source separation using non-negative matrix factorization and its variants for overlapping speech signal” in Proc. 3rd Biennial International Conference on Nascent Technologies in Engineering, Fr. C. Rodrigues Institute of Technology, Navi Mumbai, January 04-05, 2019.
26. S. A. Mithbavkar and **M. S. Shah**, “Recognition of emotion through facial expressions using EMG signal” in Proc. 3rd Biennial International Conference on Nascent Technologies in Engineering, Fr. C. Rodrigues Institute of Technology, Navi Mumbai, January 04-05, 2019.

27. S. Jagdale and **M. S. Shah**, “Evaluation of stochastic gradient descent and relevance vector classifier for improvement in spoken language understanding in terms of performance and data sparsity” in Proc. 3rd Biennial International Conference on Nascent Technologies in Engineering, Fr. C. Rodrigues Institute of Technology, Navi Mumbai, January 04-05, 2019.
28. T. K. Harhare and **M. S. Shah**, “Study of acoustic correlates between prosodic features and emotions in Marathi language” in Proc. 3rd Biennial International Conference on Nascent Technologies in Engineering (ICNTE-2019), FCRIT, Navi Mumbai, during January 04-05, 2019.
29. **Pushpa U S**, Divya Jose, Anjali Sidharaj, “Patient safeguard system,” in Proc. 2nd International Conference on Advances in Science and Technology, ICAST-2019.
30. Sheen Liz Shaju, Pratik Shetty, Akhil Singh, Hemant Meena, **Smita Hande**, “Attendance Management System using Face Recognition and Spoof Detection,” In Proc. 3rd International Conference on Trends in Electronics and Informatics (ICOEI 2019), SCAD College of Engineering and Technology, Cheranmahadevi, Tirunelveli, 23-25 April, 2019.
31. **Smita Hande**, “Image Edge Detection by Mean Difference Thresholding”, paper presented in fifth international conference on Nanoelectronics Circuits & Communication Systems NCCS-2019 organized by IETE & ISVE at ARTT, BSNL, Hazaribag Road, Ranchi, 9-10 November, 2019.
32. Vedant C., Nilashree W. and **Smita H.**, “High speed communication using Xilinx gigabit optical transceiver”, 3rd Biennial International Conference on Nascent Technologies in Engineering (ICNTE 2019), FCRIT, Navi Mumbai, 04-05 January, 2019.
33. Prajakta P, Hema M, Manoj K, Savitha U, **Jatin D**, **Nilashree W**, “Serial Communication Between PC and FPGA using UART”, In Proc. 4th IEEE International Conference on Recent trends on Electronics, Information, Communication and Technology, Sri Venkateshwara College of Engineering, Bengaluru, 2019.
34. **Jatin Desai**, “Serial communication between PC & FPGA using UART,” In Proc. 4th IEEE International Conference on recent trends in electronics, information & communication technology (RTEICT 2019), Sri Venkateshwara College of Engineering, Bengaluru, 2019.
35. **Ashish Harsola**, “Automating shunt impedance measurement system for electron linear accelerators,” In Proc. Indian Particle Accelerator Conference (IPAC–2019), IUAC, New Delhi, 18-21 November, 2019.

36. **Sreedevi Nair**, “Design of Beach Rescue Drone Using GPS and Zigbee Technologies,” In Proc. International Conference on Communication and Electronics Systems, PPG Institute of Technology, 17-19 July, 2019
37. **Manita Rajput**, Priyanka Sawant, Priyanka Jondhale, “Smog Detection and Pollution Alert System Using Wireless Sensor Network,” International Conference on Intelligent Computing and Communication Technology (ICICCT 2019), College of Engineering for Women, Hyderabad, 09-11 January, 2019
38. **Megha Kolhekar**, “Tracking of hand using Gabor Texture Descriptors and HoG Features 2. Deep Learning based Automated Caption Generation,” In Proc. Global Conference for Advanced Technology-2019, Nagarjuna College of Engineering and Technology, Bangalore, 18-20 October 2019.
39. **Pranali Choudhari**, Madhavi Bhaleghare, Ashwini Fernando, Vrushali Salunke, Jeffy Johnson, “Electro Gastro Pelvic Graphy”, International Conference on Recent Trends in Electronics, Computing and Communication Engineering (ICRTECC), Saveetha School of Engineering, Chennai, 25-26 April, 2019.
40. Jasperine James, Arunkumar Heddallikar, Pranali Choudhari, **Smita Chopde**, “Analysis of Features in SAR Imagery using GLCM Segmentation Algorithm”, 1st International Conference on Machine Learning, Image Processing, Network Security and Data Sciences (MIND-2019), NIT, Kurukshetra, 3-4 March, 2019.
41. **Sadhana Pai**, Shriya Wadke, Nachiket Rao, Varada Kulkarni, Anurag Karmarkar “Design and Implementation of High Precision Time to Digital Converter Readout System,” In Proc. 3rd Biennial International Conference on Nascent Technologies in Engineering, FCRIT, Navi Mumbai, 04-05 Jan., 2019.
42. **Amruta Pabarekar**, “Augmentative and Alternative Communication Device for Paralytic patients,” In Proc. International conference on Trends in Electronics and Informatics (ICOEI 2019), SCAD College of Engineering and Technology, 23-25 April, 2019.
43. Daniel Dsa, **Uma L, Bindu S.** “Performance Comparison of Two-Level Voltage Source Converter with Sinusoidal PWM and Space Vector PWM for HVDC application”, in Proc. 3rd Biennial International Conference on Nascent Technologies in Engineering, FCRIT, Navi-Mumbai, 04-05 January, 2019.
44. Saurabh Patil, **Mahendra Rane, Bindu S.**, “Issues with High Voltage Measurement and its Mitigation,” 4th International Conference on Recent Trends on Electronics, Information, Communication & Technology (RTEICT-2019), 17-18 May, 2019.

45. Abhishek Chalwadi, **M. Kiruthika, Bindu S.**, “Phasor Measurement Unit based Impedance Relay: A Case Study” 4th International Conference on Recent Trends on Electronics, Information, Communication & Technology (RTEICT-2019), 17-18 May, 2019.
46. Salil Patwardhan, **Bindu R., Sushil Thale**, “Modeling and Performance Analysis of Battery,” Electric Vehicle 2nd International Conference on Power and Embedded Drive Control (ICPEDC-2019), Chennai, 21-23 August, 2019.
47. **Mini Rajeev, Divya S.**, “Harmonic Compensation by Transformer-less Grid-tied PV inverter using Conservative Power Theory”, 5th IEEE Int. conference for Convergence in Technology, I2CT-2019, Pune, 29-31 March, 2019.
48. Omkar Patkar, **Mini Rajeev**, “A Single-Phase Inverter with Improved Gain Suitable for Transformer-Less PV Grid Interface”, ICATE-2019, DMCE, Navi-Mumbai, 4-5 April, 2019.
49. Omkar Patkar, **Mini Rajeev**, “Experimental Validation of a Transformer-less Inverter with improved gain for Grid-PV Interface”, accepted for presentation, NPEC-2019, NIT Trichi, 13-15 Dec. 2019.
50. Pratik Raut, Sourabh Shilke, **Poornima Rao**, “A case study on grid integrated Microgrid system”, International conference on sustainability and management practices (ICSMS2019).
51. Mayuri Bhirud, Yash Ajgaonkar, **Poornima Rao**, “Design of standalone solar PV system using MPPT controller & self-cleaning Dual axis trackers”, International Conference on advance computing and communication systems (ICACCS-2019), Sri Eshwar College of Engineering, Coimbatore, 2019.
52. Mayuri Bhirud, Yash Ajgaonkar, **Poornima Rao**, “Top Down approach in design and simulation of grid integrated solar roof top PV system”, International conference on Nascent Technologies in Engineering, Fr. C. Rodrigues Institute of Technology, Vashi, 4-5 January, 2019.
53. Soham Chaudhari, Saurabh Killekar, Aishwarya Mahadik, Nair Meerakrishna, **Divya M.**, “Unit Commitment Problem Using Dynamic Programming”, International Conference on Nascent Technologies in Engineering, Fr. C. Rodrigues Institute of Technology, Vashi, 4-5 January, 2019.
54. Nikhil Sarode, **Divya M.**, “Active Battery Balancing using Cuk Converter”, National Conference on Renewable Energy and Sustainable Environment, NCRESE-2019, NIT Kurukshetra, August 2019.
55. Mohit Patil, Sharun Shibi, Pranav Kulkarni, Mohit Patle, **Rashmi Kale**, "Review on Online Monitoring of Electrical Machine Using IoT", ICNTE-19, Fr. C. Rodrigues Institute of Technology, Vashi, 4-5 January, 2019.

56. **Sreedevi S Nair**, Anvay Kokate, Hrishikesh Khandagale, Jersan George, Arnod Koli, “Modeling and Simulation of Stand-Alone Wind Energy Conversion System”, International Conference on Trends in Electronics and Informatics (ICOEI-2019), 23-24 April, 2019. IEEE Explor.
57. Chinmay Gadre, Yash Raul, Ankit Shingne, **Harshada C. B.**, “Design and Development of a Simulation Model of Harmonic Shunt Active Filter using SPWM Current Control Technique,” IEEE International Conference on Recent Trends in Electronics Information Communication Technology (RTEICT-2019), May 2019.
58. Animesh Pawar, Roulmil Sharma, Vaibhav Suvarna, Shashank V Sureshkumar, **H. K. Chavan**, “Intelligent Attendance system with Attention Analysis” In Proc. 2nd International Conference on Advances in Science and Technology Organized by K J Somaiya Institute of Engineering and Information Technology, Sion, Mumbai, 8th - 9th April, 2019.
59. **Lakshmi M. Gadhikar**, Vinny Mathews, Tina Rikame, Tanmay Sharma, “Data Leakage Detection System,” In Proc. International Conference on Advanced Trends in Engineering (ICATE-2019), at Datta Meghe College of Engineering, Airoli, Navi Mumbai, 4th – 5th April, 2019.
60. **Lakshmi M. Gadhikar**, Rohit Dhuri, Harsh Doshi, Allwyn D'Souza, Sam Jacob, Image Super Resolution,” In Proc. International Conference on Advanced Trends in Engineering (ICATE-2019), Datta Meghe College of Engineering, Airoli, Navi Mumbai 4 - 5 April, 2019.
61. **Archana Shirke**, Mahesh Thorat, Saurabh Gawde, Sarvesh Tulapulkar, Punalekar Saurav Satish “Brain Tumor detection using Machine learning,” In Proc. International Conference on Advanced Trends in Engineering (ICATE-2019), Datta Meghe College of Engineering, Navi Mumbai, 4 - 5 April 2019.
62. Purav Gharat, Jincy Jacob, Elvis D Costa, Kunal Das, **Archana Shirke**, “F-alert: Fire disaster management using machine learning,” In Proc. International Conference on Advanced Trends in Engineering (ICATE-2019), at Datta Meghe College of Engineering, Airoli, Navi Mumbai, 3-4, April 2019.
63. Sahil Landge, Huzaifa Anjum, Azhar Khan, Robert Livingstone, **Trupti Lotlikar**, “A model of Autonomous car,” In Proc. Third IEEE International Conference on Electrical, Computer and Communication Technologies (IEEE ICECCT 2019), SVS College of Engineering, Coimbatore, 20 - 22 Feb, 2019.
64. **Trupti Lotlikar**, Deven Shah, “A defense mechanism for DoS Attack in SDN,” In Proc. 3rd Biennial International Conference on Nascent Technologies in Engineering, FCRIT, Navi Mumbai, 3rd - 4th January, 2019.

65. **Smita Rukhande, Dhanashree Hadsul, Anand Pardeshi, Rupali Deshmukh**, “Android Based 3D Modelling of College Campus Using 3Ds Max and Unity 3D,” In Proc. International Conference on Secure Cyber Computing & Communications, NIT, Jalandhar, 15-17 December, 2018.
66. Sachin Gaikwad, Freedal Fernandes, Shrushti Govekar, Jerome Alex, **Hadsul Dhanashree**, “Smart Kitchen System Using IOT,” In Proc. 5th International conference for convergence in Technology, Pune, 29 -31 March, 2019.
67. Shalom Tom Daniel, Bettina Mariam, Infenta Balasingh, Zahraa Fansofkar, **Dhanashree Hadsul**, “Phoboz: Overcome Phobia With VR,” In Proc. International Conference on Advanced Trends in Engineering (ICATE-2019), Datta Meghe College of Engineering, Airoli, Navi Mumbai, 3-4 April, 2019.
68. Carissa Dsouza, Shamik Nandi, Tejas Tribhuwan, Dhritiraj Kalita, **Mukta Nivelkar**, “Android Malware Detection System,” In Proc. International Conference on Advanced Trends in Engineering (ICATE-2019), at Datta Meghe College of Engineering, Airoli, Navi Mumbai, 4-5 April, 2019.
69. Jenifa Nadar, Shubham Sable, Sonal Tripathi, **Poonam Bari**, “Abstractive Text Summarisation,” In Proc. International Conference on Advanced Trends in Engineering (ICATE-2019), Datta Meghe College of Engineering, Airoli, Navi Mumbai, 4 - 5 April 2019.
70. Kaustubh Patil, Akash Phalke, Sarvesh Mhatre, Sudhanshu Sharma, **Anandkumar Pardeshi**, “Augmented Reality Coloring Book,” In Proc. International Conference on Advanced Trends in Engineering (ICATE-2019), at Datta Meghe College of Engineering, Navi Mumbai, 4 - 5 April, 2019.
71. **Anandkumar Pardeshi**, Rahul Vichare, Chaitrali Yadav, Lejoe Nadar, Pushkar Pokharkar , “APMC Service Management and Goods Cost Prediction,” In Proc. International Conference on Advanced Trends in Engineering (ICATE-2019), Datta Meghe College of Engineering, Navi Mumbai, 4 - 5 April, 2019.
72. Geoffrey Antony, Shubham Jadhav, Rohan Bist, Pratik Ghogale, **Kalpna Wani**, “Manuscript Recognition,” In Proc. International Conference on Advanced Trends in Engineering (ICATE-2019), Datta Meghe College of Engineering, Airoli, Navi Mumbai, 4 - 5 April, 2019.
73. Priya Dubey, Sharon Mamootil, Sherin Jacob, Nancy Jeyakumar, **Smita Rukhande**, “Video Stegnography Using IWT Algorithm,” In Proc. International Conference on Advanced Trends in Engineering (ICATE-2019), Datta Meghe College of Engineering, Airoli, Navi Mumbai, 4 - 5 April, 2019.

74. Abhishek Dalvi, **Smita Rukhande**, Angad Singh, Vineet Abraham, Felix Sekar, "Colorization of Gray Scale Image Using Machine Learning," In Proc. International Conference on Advanced Trends in Engineering (ICATE-2019), Datta Meghe College of Engineering, Airoli, Navi Mumbai, 4 - 5 April, 2019.
75. S. Aniket, R Atharva, C. Prabha, **D. Rupali**, P. Shubham, "Handwritten Gujarati Script Recognition with image processing and deep learning," In Proc. 3rd Biennial International Conference on Nascent Technologies in Engineering, Fr. C. Rodrigues Institute of Technology, Navi Mumbai, 4-5 January, 2019.
76. Vishaka Mhatre, Supreeth D'sa, Nathan Nunes, Ashutosh Malla, **Suraj Khandare**, "Automated Rubik's Solver," In Proc. 7th National level conference Innovative Engineering for our Nation, Lokmanya Tilak College Of Engineering, Navi Mumbai, 16th March, 2019.

Calendar Year 2018

1. Renuka Deshpande and **Lata Ragha**, "Network Selection Scheme using Taguchi Method for real-time streaming media over Heterogeneous Networks", International Conference on Computing, Communication and Signal Processing, BATU, Lonere, January 26-27, 2018, Springer AISE Series.
2. Roopal Mamtora and **Lata Ragha**, "A Sneak Preview of Sentiment Analysis", IEEE Conference on Smart City and Emerging Technologies, UCE, Mumbai, January 05th, 2018, publication in IEEE Xplore
3. Vaishali Sarbhukan and **Lata Ragha**, "A Review: Various Steering Conventions in MANET," in Springer Notes, Springer International Conference on Computer Networks, Big Data and IoT (ICCB), Vaigai College of Engineering, Madurai, December 18 – 19, 2018.
4. **M. Kiruthika and Bindu S**, "Fault Identification and Zone Protection in Transmission Line Using Phasor Measurement Units," in Proc. IEEE International conference on New Trends in Engineering & Technology, GRT Institute of Engineering and Technology, Chennai, 7-8 September, 2018.
5. **M. Kiruthika and Bindu S**, "Performance Analysis of a Distance Relay for Zone Identification," in Proc. 2nd IEEE International conference on Power Electronics, Intelligent Control and Energy systems (ICPEICES), New Delhi, October 22-24, 2018.
6. **Rakhi K and Shagufta R.** "Drones for Assistance in Emergency Situations," in Proc. 8th National Conference on Wave Mechanics and Vibrations (WMVC), NIT, Rourkela, November 26 –28, 2018.

7. **Rakhi K, and Shagufta R**, “Android Controlled Wheelchair,” in Proc. First International Conference on Secure Cyber Computing and Communications, December 15-17, 2018
8. Sinimol Babu, Darshana Chaudhari, Nithn Jacob, Alvina Malpan, **Smita Dange**, “eConf- A Generic Conference Management Tool,” in Proc. International Conference on Advanced Trends in Engineering” Datta Meghe College of Engineering, Navi-Mumbai, April 2018. ISBN NO:978-93-5267-422-0.
9. Amey Gangal, Fevin G., Staneley, Aron and **Shweta Tripathi**, “Live Data Forensics & Metadata Analysis,” in Proc. National Conference on Recent Trends in Cyber Fraud Investigations & Forensics, Sandip Institute of Engineering & Management, Nashik, 27- 28 April, 2018.
10. **Rakhi Kalantri**, “Deriving Insights and Analysis for Campaign Management,” in Proc. 5th National Conference & Exhibition, Jointly Organized by IIT-Kharagpur and Govt. College of Engg. & Tech., Jammu, February 19 - 20, 2018.
11. **Rahul Jadhav**, “Automatic Classification of an Imbalanced Diabetic Retinopathy Dataset using Convolutional Neural Networks,” in Proc. International Conference on Frontier in Engineering, Applied Science and Technology (FEAST2018), NIT, Tiruchirappalli
12. **Mritunjay Ojha**, “Sentiment Analysis of Tweets for Mapping of Stock Price Movement,” in Proc. International Conference on Advanced Trends in Engineering, Datta Meghe Engg College, Navi-Mumbai, April 2018. ISBN NO: 978-93-5267-422-0.
13. **Sanjay R.**, “Tribological Behavior of Thermally Sprayed Coating- a review” International conference-TRIBO INDIA 2018, Veermata Jijabai Institute of Technology, Matunga, Mumbai during 13-15 December, 2018.
14. Ameya K., Rakesh K., Shubhanshu R., **Nanaji K.**, “Design and Development of Quad-copter using optimization techniques”, FEAST-2018, NIT Tiruchirappalli.
15. **Aqleem S.**, Vibhanshu S., Mathew T., Shamika P., Mikhail D., “Design & Development of Automatic Manual Gear Transmission in motor bikes”, FEAST-2018, NIT Tiruchirappalli.
16. **Pallavi K.**, Nathan D., Ronald J., Justin J., Nilesh V., “Generation of energy from tides”, FEAST-2018, NIT Tiruchirappalli.
17. **Bipin M.**, Muerus R., Swapnil L., Lancy L., “Design and Fabrication of Pyrheliometer”, FEAST-2018, NIT Tiruchirappalli.

18. **Praseed K.**, Shamim P., Najid T., Akshay S., Saurabh P., “Design and Fabrication of Spring Testing Machine” FEAST-2018, NIT Tiruchirappalli.
19. **Deepak D.**, Mohamed S., Atul S., Mandar R., Abrar U., “Design of Modular multi junction PV concentrator Array” FEAST-2018, NIT Tiruchirappalli.
20. **Deepak D.**, Suraj S. Jay G., Omkar S., Sagar N., “Design and Fabrication of Laser wall system” FEAST-2018, NIT Tiruchirappalli.
21. **Badal K.**, Krishnamurthy K.N., “Experimental Evaluation of Yttria partially stabilized Zirconia Thermal barrier coating by plasma sprayed technique on I.C. Engine”, FEAST-2018, NIT Tiruchirappalli.
22. **Santosh C.**, Girish D., Prasad B., Sarvesh H., Tushar K., Sanika N., “Fabrication and Testing of Creep Testing Machine” FEAST-2018, NIT Tiruchirappalli.
23. **S.M. Khot, Aqleem S.**, “Multiple Piezopatch placement strategy for Active Vibration Control of pin-pin beams”, FEAST-2018, NIT Tiruchirappalli.
24. **Nilaj D.**, Azfer K., “Identification of Cord wise Location of Shear Web of Wind Turbine Blade”, Energy Systems Conference 2018, QEII Centre, Westminster, London, United Kingdom.
25. **Smita C, Pushpa U S**, “Insight into molecular content variation in chromosome based on differential expression changes in rheumatoid arthritis,” In Proc. IETE-ICRTST-2018
26. Rushikesh P, **Smita Hande, Nilashree W**, “Development of optical communication framework using FPGA,” In Proc. IETE-ICRTST-2018.
27. **Sadhana Pai**, Akshay Bhavke, “Advanced Automatic Toll Collection and Theft Detection Using RFID,” In Proc. IEEE's 3rd International conference for Convergence in Technology (I2CT), Pune, 7-8 April, 2018.
28. **Megha K.**, “Denoising of facial images using non-negative matrix factorization with sparseness constraint,” In Proc. IEEE's 3rd International conference for Convergence in Technology (I2CT), Pune, 7-8 April, 2018.
29. **Megha Kolhekar**, Harish K. Pillai, “Permutation Polynomial Representatives and their Matrices”, Twenty Fourth National Conference on Communications (NCC-2018), IIT Hyderabad, 25-28 February, 2018.
30. Kitty Varghese, **Megha K. Smita Hande**, “Denoising of facial images using non-negative matrix factorization with sparseness constraint”, 3rd International Conference for Convergence in Technology (I2CT), Pune, 7-8 April, 2018.

31. **Pranali Choudhari**, Pranita Shewale, Rupa Patta, Varnita Aglawe, Shervin Ambrose and Umesh Mhapankar, “Near Infrared Spectrometry for Assessment of Bone Mineral Density”, 8th International Conference on Advances in Computing & Communications, 2018.
32. Godave, K. Aurobindo, **Pranali Choudhari** and **A. Jadhav**, “Design of Multi-PLL Board Using ARM7 Controller,” International Conference on Computing, Communication and Networking Technologies, IISc Bangalore, 2018.
33. Godave K., **Pranali Choudhari** and **A. Jadhav**, “Comparison and Simulation of Analog and Digital Phase Lock Loop,” in International Conference on Computing, Communication and Networking Technologies (ICCCNT), IISc Bangalore, 2018
34. **A. Jadhav**, “Design of Multi-PLL Board Using ARM7 Controller,” In Proc. International Conference on Computing, Communication and Networking Technologies (ICCCNT), IISc Bangalore.
35. **A. Jadhav**, “Comparison and Simulation of Analog and Digital Phase Lock Loop,” In Proc. International Conference on Computing, Communication and Networking Technologies (ICCCNT), IISc Bangalore, 2018
36. **Megha Kolhekar**, “Feature Selection for Driver Drowsiness Detection,” In Proc. International Conference on Computational Intelligence and Data Engineering (ICCIDE-2018)
37. **Megha Kolhekar**, “Robust Encryption of uncompressed Videos with a Selective Encryption Scheme,” In Proc. International Conference for Convergence in Technology I2CT 2018.
38. **Savitha S Upadhyaya**, A N Cheeran, J H Nirmal, “Parkinson Disease Severity Score Prediction using Speech Signal”, IET 1st International Conference on Advances in Science and Technology (ICAST-2018)
39. **Savitha S Upadhyaya**, A N Cheeran, J H Nirmal, “Sinusoidal Weighted Cepstrum Estimation Technique to Categorize Healthy and Parkinson Diseased Subjects,” In Proc. 13th Western Pacific Acoustics Conference, 2018.
40. **Yogesh C**, “Shielding Effectiveness Measurement and Comparison of Different Shielding Materials,” In Proc. Advanced Computer and Science Technology Conference-ICACST, 2018
41. Dipti D Patil, **Bindu S.**, “Real time protection technique for DC micro grid using local measurements”, 12th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2018.

42. **M. Kiruthika, Bindu S.**, “Performance Analysis of a Distance Relay for Zone Identification” 2nd IEEE International conference on Power Electronics, Intelligent Control and Energy systems (ICPEICES), 22-24 October, 2018.
43. **M. Kiruthika, Bindu S.**, “Fault Identification and Zone Protection in Transmission Line Using Phasor Measurement Units”, IEEE International conference on New Trends in Engineering & Technology (ICNTET), 7-8 September, 2018.
44. Mr. Totre, **Bindu S.**, “Impact of Various Factors on Tariff during Multi Year Tariff Period”, International Conference on Smart Electric Drives and Power System (ICSEDPS), Nagpur, 12-13 June, 2018.
45. Mr. Totre, **Bindu S.**, “Multi Year Tariff Structure Impact on Financial Status of electric Utility” IEEE International Conference on Innovative Technologies in Engineering (ICITE-2018), Hyderabad, 11-13 April, 2018.
46. Sujata Patil, **Bindu R., Sushil Thale**, “Electric Vehicle Power Conditioner with Battery-Ultracapacitor Hybrid Energy Storage System”, IEEE INDICON-2018, Amrita Vishwa Vidyapeetham, Coimbatore, 16-18 December 2018.
47. S. Salvi, A. Antony, A. Parab, T. Pokale and **Mini Rajeev**, “Renewable Energy Application of Push Pull Converter”, All India seminar on Recent Trends in Renewable Energy Application & Research, The Institution of Engineers (India), Gujarat State Centre, 16-17 February, 2018.
48. **Mini Rajeev**, Vivek Agarwal, “Low Voltage Ride-Through Capability of a Novel Grid Connected Inverter Suitable for Transformer-less solar PV grid interface”, 8th IEEE Int. conf. IICPE, MNIT, Jaipur, 13-15 December, 2018.
49. Yash Ajgaoankar, Mayuri Bhirud, **Poornima Rao**, “A case study on grid integrated solar roof top PV system”, 5th International conference on sustainability and management practices (ICSMS2018)
50. Maitreyee D, **M.K. Namboothripad**, “DSP Based Second Order Sliding Mode Controller for Buck Converter”, 3rd IEEE International Conference on Convergence in Technology 2018, Pune, India, 6-8 April, 2018.
51. Samuel Jadhav, Nigel Goveas, Akshay Krishnapurkar, Neethi Elizabeth, **Divya M.**, “Transient Stability Studies using SMIB Emulator”, International Conference on Frontiers in Engineering, Applied Sciences and Technology, NIT, Trichy, April 2018, pp.145-152, ISBN: 978-81-908388-6-3.
52. **Divya M.**, “Solving Travelling Salesman Problem Using Ant Systems: A Programmer’s Approach”, National Conference on Recent Advances in Mathematics and its Applications, NIT Rourkela, December 2018, pp.32,

53. **Seema Jadhav**, Neha Devdas, Shakila Nisar, Vaibhav Bajpai, “Design and Implementation of Bidirectional DC-DC converter for Battery Charging and Discharging Application”, International Conference on Global Technology and Initiatives (ICGTI), Rizvi college of Engg., 30th April, 2018.
54. Mohit Patil, Sharun Shibi, Pranav Kulkarni, Mohit Patle, **Rashmi Kale**, "Implementation of Microcontroller Based Weather Monitoring system", National Conference on Wave Mechanics and Vibrations-2018, 26-28 November, 2018.
55. **Rashmi Kale**, “Effective Two Input Two Output Plugin Charging Method for Hybrid Vehicle Technology”, International Conference on Frontiers in Engineering, Applied Sciences & Technology, NIT Trichy, 27-28 April, 2018.
56. Prathamesh M., Moncy B., Abhilash R., Vibhu G., **Harshada C. B.**, "Design and Simulation of Active Shunt Filter for Induction Motor Drives”, 2nd International Conference on Frontiers in Engineering, Applied Sciences and Technology (FEAST 2018), 27-28 April, 2018.
57. Arjun Sridharkumar, Anish Philip, Harshad Kulkarni, Kirtana Nair, **Hari K. Chavan**, “Contextual Text Summarizer for Mails”, In Proc. IEEE International Conference on Current trends towards Converging Technologies (ICCTCT 2018) SVS College of Engineering, Coimbatore, 1-3 March, 2018
58. **Lakshmi M. Gadhikar**, Dr. Y. S. Rao, “Analysis of Programs for GPGPU Architectures,” In Proc. IEEE International Conference on Trends in Electronics and Informatics, SCAD College of Engineering and Technology, Tirunelveli, Tamilnadu, 11-12 May 2018.
59. **Lakshmi M. Gadhikar**, Kadolkar Renu, Chandran Ria, Dannel Bothello, Riya Ranganath,” Parallelization of Steady Air-Flow over Cars with Neural Network,” In Proc. IEEE International Conference on Convergence in Technology, I2CT, Pune, 7-8 April, 2018.
60. Prachi Deshpande, Nisarg Gupta, Jefferson Dias, Siddharth Jangam, **Archana Shrike**, “F-Alert: Early Fire Detection Using Machine Learning Techniques, "In Proc. 1st International Conference on Recent Innovation in Engineering and Technology (ICORIET-2018), Dr. D. Y. Patil School of Engineering & Technology, Pune, 22-23 March, 2018.
61. **Archana Shirke**, M. M. Chandane, “IoT based predictive modeling for Energy usage of Appliances in Smart home,” In Proc. in International Conference on Advanced Scientific Innovation in Science, Engineering and Technology, Bharat Institute of Higher Education Research, Chennai, 11-13 April, 2018

62. **Trupti Lotlikar**, Sachin Madhavan, Sharon Andrews, Carlton Mascarrenhas, Geny Mathew, “Do–shield Through SDN for IoT enabled Attacks,” In Proc. IEEE conference on Electronics, Communication and Aerospace Technology (ICECA 2018), Coimbatore, Tamilnadu, 29-31 March, 2018
63. **Trupti Lotlikar**, Deven Shah, “An software Approach for mitigation of DoS Attacks on SDN’s”, Springer Conference at Sri Sivani College of Engineering, Srikakulam, Andhra-Pradesh, 10-11 March, 2018
64. **Trupti Lotlikar**, Deven Shah, “Software Defined Networks: A survey with Simulation,” In Proc. IC-CSOD-2018, MULTICON-W 2018, Thakur College of Engg and Tech, Kandivli, Mumbai, 23-24 February, 2018
65. **Dhanashree Hadsul**, Ahire Pratiksha, Pradnya Pandire, Trupti Niwale, Shubham Patil, “3D NOZZLE MODELING,” In Proc. International Conference On Recent Innovation in Engineering and Technology (ICORIET), DY Patil School of Engineering & Technology, Pune, 22-23 March, 2018
66. **Dhanashree Hadsul**, Carolin Raju, Jain Archi, Merlyn Rose Mathew, Sara Thomas, “Usermap,” In Proc. National Conference on Recent trends in Electronics Communication and Computing, D.Y. Patil School of Engineering Academy, Pune, India, 27-28 February, 2018
67. Jibin Johneykutty, Blessy Abraham, Reshma Raju, Asher Pandian, **Mukta Nivelkar**, “Webpage Recommendation System,” In Proc. International Conference on Advanced Trends in Engineering, ICATE 2018, Datta Meghe College of Engineering, Airoli, 6 –7 April, 2018.
68. A. Anusha Kataria, B. Siva Thangaraja, C. Susan Mary, D. Sunny F., E. Rebecca Shavantul, **Mukta Nivelkar**, “Digi-Board,” In Proc. National Conference on Recent trends in Electronics Communication and Computing, D. Y. Patil School of Engineering Academy, Pune, 27-28 February, 2018.
69. Alisa Katharin, Samruddhi Choudhari, Martand Dev, Pracheta Nihlani, Poonam Bari, “Automatic text summarizer,” in Proc. International Conference On Recent Innovation In Engineering And Technology (ICORIET-2018), D. Y. Patil School of Engineering & Technology, Pune, 22-23 March, 2018.
70. Pranita Vishwasrao, Elizabeth James, Tanvi Zemse, Ansel Fernandes, **Anand Pardeshi**, “Data Protection mechanism to prevent data theft attacks in cloud,” In Proc. International Conference on Recent Innovation In Engineering And Technology (ICORIET), D Y Patil School of Engineering & Technology, Pune, 22-23 March 2018.

71. **Kalpna Wani**, Desai Aditya, More Shreya, Kelkar Sanket, Serrao Leanne, “An astute irrigation system with crop management and marketing,” in Proc. International Conference on Recent Innovation in Engineering and Technology, D. Y. Patil School of Engineering & Technology, Pune, 22-23 March, 2018.
72. Sherin Philip, Shifa Shaikh, Pranita Andhale, Stella Joshua, **Smita Rukhande**, “Proposed system of Android based Skyscraper 3D Modeling,” in Proc. National Conference on Recent trends in Electronics Communication and Computing, D Y. Patil School of Engineering Academy, Pune, 27-28 February, 2018, ISBN-978-93-87665-48-4.
73. **Suraj Khandare**, Shruti Ruiwale, Utkarsh Nipane, Navya Ann, Rohan Joseph, “Language Translator System”, in Proc. National Conference on Recent Trends in Electronics, Communication and Computing, D.Y. Patil School of Engineering Academy, Pune, 27 - 28 February, 2018
74. Bhopale Jayant, **Deshmukh Rupali**, Dugad Shashi, Kachroo Mokshi, Sant Shambhavi, Tiwari Saurabh, “A proposed system for handwritten Gujarati character detection using image processing and recognition using HOG,” In Proc. National Conference on Recent trends in Electronics Communication and Computing, D.Y. Patil School of Engineering Academy, Pune, 27-28 Feb 2018.

Calendar Year 2017

1. Vaishali Mohite and **Lata Ragha**, “Enrich Security in MANET by Avoiding Wormhole Attack”, International Conference on Emerging Trends in Electrical Communication Technology (ICETECT), Saveetha University, Chennai, March 30 – 31, 2017,
2. Mansi Kulkarni, Roshan Mathew, Swapnali Ghadigaonkar, Dipali Ghodekar, **Shweta Tripathi** and Saumya Singh “Monitoring Effects of Air Pollution on health Issues using an App,” International conference on Environment Management and Sustainability, SIES Indian Institute of Environment Management, Nerul, Navi Mumbai, January 4-6, 2017.
3. Divya Kulkarni, Priyanka Kumbhar, Justin Jolly, Shivani Chaskar, **Shweta Tripathi** and Saumya Singh “TECHVINE - AGRICULTURE DECISION SUPPORT SYSTEM”, International conference on Environment Management and Sustainability, SIES Indian Institute of Environment Management, Nerul, Navi Mumbai, January 4-6, 2017.
4. Laveena Anchan, Angel Abraham, Jonathan Kolhar, **Smita Dange**, “Semi-Autonomous Pick and Place Robot,” in Proc. International Conference on Nascent Technologies in Engineering, Fr. C. Rodrigues Institute of Technology, Navi Mumbai, January 27 – 28, 2017, IEEE Xplore

5. **P. B. Vijayalakshmi**, “Ship Intrusion Detection Security System Using Image Processing & SVM,” in Proc. IEEE Technically Co – Sponsored International Conference on Nascent Technologies in Engineering, Fr. C. Rodrigues Institute of Technology, Navi Mumbai, January 27 – 28, 2017, IEEE Xplore
6. Priyanka Kumbhar, Divya Kulkarni, Justin Jolly, Shivani Chaskar, **Shweta Tripathi**, “Monitoring Effects of Air Pollution on health Issues using an App,” in Proc. International conference on Environment Management and Sustainability, SIES Indian Institute of Environment Management, Nerul, Navi Mumbai, January 4-6, 2017.
7. **Rakhi Kalantri**, “Gesture Glove,” In Proc. International conference on Innovation and Research in Technology & Engineering, PVPPCOE, Mumbai, October 26 – 27, 2017.
8. **Nilaj D.**, Rajdeep J., Soham S., Pavan P., Pradeep G., “Study of the effect of Heat Flux Position on Thermo-Acoustic Instability boundaries of Rijke Tube” ICTACEM-2017.
9. **Pallavi K.**, Binoy A., Jassim J., Joble S., Swati K., “Experimental Study to identify the effect of Bent shaft on Vibration Spectrum using FFT Analyzer”, NIT, Hamirpur, 16-18 December, 2018.
10. **Prasad B., Santosh C.**, “Design, Fabrication and Automation of Abrasive Jet Machining System”, 16-18 December, 2018, NIT Hamirpur.
11. **Nilesh V., Bipin M.**, Nishaank P., Yogesh L., “Design and Fabrication of Fully Automatic Solar Tracking”, 16-18 December, 2018, NIT Hamirpur.
12. Akshay M., Dilip M., **Santosh T.**, “Design and Development of Microcontroller based EFI for Port Dual Injection System Capable of Varying Blend Ratio for Small Capacity SI Engine”, 16-18 December, 2018, NIT Hamirpur.
13. **Santosh C., Nilaj D.**, Swapnil K., “Performance Optimization of Airfoil Blade for Horizontal Axis Wind Turbines”, 16-18 December, 2018, NIT Hamirpur.
14. **Suvarna R., Nitesh Y.**, Pranav K., Mayuresh T., Arun T., Calvin T., “Development of a Lamb wave based algorithm for detecting a damage in thin plate structures”, ISSS International Conference on Smart Materials, Structures and Systems, 5-7 July, 2017, Bangalore.
15. Arpana S., **Nilaj D., Santosh C.**, Mandar D., Rupali Deore, “Design and Analysis of Lifting tool Assemblies to lift different engine block” 2017.
16. Saurabh S., **Santosh C., Nilaj D.**, “Effect of Crack on natural frequency for beam type of structures” American Institute of Physics, 2017.

17. Aniket S., **Choudhari C., Sanjay R.**, “Parametric Optimization of FDM Process using PSO algorithm”, International Conference on ATSMDE-2017, VJTI.
18. **Sanjay R.**, Walmik R., “Indian Rail track investigation and Dynamic Analysis of track structure”, International Conference on ATSMDE-2017, VJTI.
19. **Suvarna R., Nitesh Y.**, Karthik R., Mikhail M., Amey K., Tejas Y. “Damage detection in beam structures using guided waves” NDE 2017, Conference and Exhibition of the Indian Society for NDT, 14-16 December, 2017, Chennai Tamilnadu.
20. **Bipin M.**, Shubham P., Sarvesh P., Allwin P., Prathmesh S., “Design and Fabrication of Experimental Setup based on Transient Heat Transfer”, WRFER International Conference, Pune, ISBN 978-93-86291-63-9, 7 May 2017.
21. **Nilesh V.**, Febin F., Salvius K., Rishikesh S., Nikhil R., “Hybrid cooling of Multi-Junction Concentrated Photovoltaic Cells”, WRFER International Conference, Pune, ISBN 978-93-86291-63-9, 7 May 2017.
22. **Nitesh Y.**, Nanaji K., Suraj N. Viraj K., Saurabh K., Joel G., “Experimental Investigation of Vibration Characteristics of Magneto-rheological fluid with single rotor system”, WRFER International Conference, Pune, ISBN 978-93-86291-63-9, 7 May 2017.
23. **Girish D.**, Prashanth C, Jyotsns T., Abi M., Georex T., “Experimental and Simulation Study to control stiffness of an Air Spring”, WRFER International Conference, Pune, ISBN 978-93-86291-63-9, 7 May 2017.
24. **Shradha P.**, Shreya M., Pornima P., Sharon R., “Design and Fabrication of Auto Feed Pneumatic shearing machine”, ICRTESM 2017 at NITTTR Chandigadh, ISBN 978-81-933746-9-6.
25. **Deepak D.**, Anthony I., Jason K., Joy K., Abhishek W., “Design and Fabrication of Automatic Wood drilling Machine” ICATE 2017 at BMCOE, Airoli, ISBN-978-81-933746-5-8.
26. Ali Ansari, **Santosh C., Pallavi K.**, “Effect of Crack on Natural Frequency in Rotor System” FCSPTC-2017, Ramchandra COE, Eluru, Andhra Pradesh.
27. Arpana S., **Nilaj D., Santosh C.**, Mandar D., **Rupali D.**, “Design & Analysis of Lifting Tool Assembly to lift different Engine Block”, FCSPTC-2017, Ramchandra COE, Eluru, Andhra Pradesh.
28. Saurabh S., **Santosh C., Nilaj D.**, “Effect of Crack on Natural Frequency for Beam type of structures”, FCSPTC-2017, Ramchandra COE, Eluru, Andhra Pradesh.

29. Satish G., **Nilaj D.**, “Effect of Excitation Voltage & Lead Wire Resistance on Strain Measurement”, I2CT, 7-8 April 2017.
30. **S. M. Khot, Pallavi K.**, Abhishek N., “Experimental & Simulation study of Flow induced Vibration through straight pipes”, 27-28 Jan, ICNTE-2017.
31. **S. M. Khot, Nitesh Y., Praseed K.**, Gaurav P., Deependra S., “Implementation of H-infinity controller in experimental active vibration control of a cantilever beam”, 27-28 Jan, ICNTE-2017.
32. **S. M. Khot, Nitesh Y., Praseed K.**, Deependra S., Gaurav P., “Simulation Study of Active Vibration Control of Beams supported at Both Ends using optimal controllers”, 27-28 Jan, ICNTE-2017.
33. **S. M. Khot, Shradha P.**, Nikhil B., “Simulation Study of MR Damper for Bump Road Profile”, 27-28 Jan, ICNTE-2017.
34. **Prasad Bari.**, Kishan P., Snaket M., Aniket D., “Optimization of Electric Discharge Machining Process Parameters using Carbon Nano Tubes”, 27-28 Jan, ICNTE-2017.
35. N. Nag and **M. S. Shah**, “Understanding Basis Functions for Vowels based on Non-negative Matrix Factorization,” in Proc. ICNTE 2017 International Conference on Nascent Technologies in Engineering, FCRIT, Navi Mumbai, 27-28 January, 2017.
36. K. Patel and **M. S. Shah**, “Laboratory Experiments for Understanding Effects of RF Impairments on Received Signal in Satellite Link,” in Proc. International Conference on Nascent Technologies in Engineering FCRIT, Navi Mumbai, 27-28 January, 2017.
37. **Amruta Mhatre**, “Arduino Based Car Security System,” In Proc. Recent trends in computing and Information Technology ICRTCIT 2017
38. **Keerthi Unni**, “Control scheme for seamless operating mode transfer of AC microgrid” In Proc. SEGE 2017
39. **Pushpa U S, Smita Chopde**, “Genomic analysis-Reading DNA Sequence and Plotting Sequence and Codon,” In Proc. International Conference on Computation Methodologies and Communication (ICCMC 2017).
40. **Sadhana Pai**, Akshay Bhavke, “Advance Automatic Toll Collection & Vehicle Detection during Collision using RFID,” In Proc. 2nd Biennial International Conference on Nascent Technologies in Engineering, FCRIT, Navi Mumbai, I 27-28 January, 2017.

41. **Sadhana Pai**, Akshay Bhavke, “Smart Weight Based Toll Collection & Vehicle Detection during Collision using RFID,” In Proc. IEEE International Conference on Microelectronic Devices, Circuits and Systems (ICMDCS’17)
42. Juil Zode, **Pranali Choudhari**, Mahesh Uparkar, “Comparative Study of Methods to determine Fractal Dimension,” In Proc. IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT 2017), 19-20 May, 2017.
43. V. S. Taware, **Pranali Choudhari**, “3-D Construction of Artery Model Using Real Time Two Dimensional CTA Dataset,” In Proc. IEEE International Conference On Recent Trends In Electronics Information Communication Technology (RTEICT), May 19-20, 2017,
44. Vrushali Taware, **Pranali Choudhari**, “Modeling of Blood vessel in three dimensions using CT Angiography,” In Proc. International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET-2017), 2017
45. Juil Zode, **Pranali Choudhari**, Ahesh Uparkar, “Methods to determine Fractal Dimension to detect Branch Retinal Vein Occlusion,” In Proc. International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET-2017), 2017.
46. **Anita Jadhav**, “Smart Bluetooth Low Energy Security System,” in Proc. International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET-2017)
47. **Sreedevi Nair**, “Electromagnetic Energy Harnessing using Rectenna Approach,” In Proc. 2nd Biennial International Conference on Nascent Technologies in Engineering (ICNTE-2017), FCRIT, Navi Mumbai, 27-28 January, 2017.
48. **Savitha S Upadhya**, A N Cheeran, J H Nirmal, “Discrimination of Healthy and Parkinson Diseased Subjects using Thomson Multitaper Mel Frequency Cepstral Coefficients as Voice Features”, In Proc. Springer 2nd International Conference on Advanced computing and Intelligent Engineering, 2017.
49. Sneha Lukose, **Savitha S Upadhya**, “Music Player Based on Emotion Recognition of Voice Signals,” In Proc. of ICICICT 2017
50. Jerin Joseph, **Savitha S Upadhya**, “Indian Accent Detection using Dynamic Time Warping”, In Proc. ICPSCI 2017
51. Sneha Lukose, **Savitha S Upadhya**, “Text to Speech Synthesizer - Format Synthesis”, In Proc. 2nd Biennial International Conference on Nascent Technologies in Engineering, FCRIT, Navi Mumbai, 27-28 January, 2017.

52. **Savitha S Upadhya**, A N Cheeran, J H Nirmal, “Statistical Comparison of Jitter and Shimmer Voice Features for Healthy and Parkinson Affected Persons,” In Proc. ICECCT 2017
53. **Jatin Sanjay Desai**, Aditya Bhanje, Dion Fernandes, Sneha Biradar, “IoT based Vehicle Parking Manager”, Confluence-2017, Amity University, Noida. ISBN No. 978-1-5090-3519-9
54. Rupali Shah, **Bindu S.**, “A DC source of Current-fed Cockcroft-Walton Multiplier with High Gain DC-DC Converter”, In Proc. 2nd Biennial International Conference on Nascent Technologies in Engineering (ICNTE-2017), FCRIT, Navi Mumbai, 27-28 January, 2017.
55. **Harshada**, **Bindu S.**, **Sincy George**, Meera S, P C Saroj, “Performance Analysis of Solid-State Marx generator- A Comparative Study of Self Driven Gate Driver Circuit with Conventional Driver” IEEE International Conference on Recent Trends in Electronics Information Communication Technology (RTEICT), 19-20 May, 2017.
56. Ruchi Singh, Bindu S., Sincy George, Meera S, P C Saroj “Issues and Mitigation of High Voltage Isolation in Solid State Marx Generator” IEEE International Conference on Recent Trends in Electronics Information Communication Technology (RTEICT), 19-20 May, 2017.
57. Neelam Pinchari, **Bindu S.**, “Performance analysis of Bipolar Marx Generator Topologies with input switch charging and Inductive charging method”, IEEE & CSI sponsored ICISIM-2017, Aurangabad, 5-6 Oct, 2017.
58. Neelam Pinchari, Ruchi Singh, **Bindu S.** “Analysis and Comparative Study of various Charging Methods Implemented for Solid State Marx Generator”, ICAER-2017, IIT Bombay, 12-14 December, 2017.
59. Arvind H. Kadam, **Keerthi Unni and Sushil S. Thale**, “Control Scheme for Seamless Operating Mode Transfer of AC Microgrid,” 5th IEEE International conference on Smart Energy Grid Engineering (SEGE2017), Oshawa, Canada, 14-17 August, 2017.
60. Chanchal Patil, **Sushil S. Thale**, Shrishell Muchande and Arvind H. Kadam, “A Novel Protection Scheme for DC Microgrid with Hierarchical Control,” 5th IEEE International conference on Smart Energy Grid Engineering (SEGE2017), Oshawa, Canada, 14-17 August, 2017.
61. **Keerthi Unni and Sushil Thale**, “Precision Agriculture through ICT and Data Ecosystem: An opportunity for Digital Transformation,” 60th Annual IETE Convention- 2017, Kochi, Kerala, 16-18 September, 2017.

62. **Bindu R. and Sushil Thale**, “Sizing of Hybrid Energy Storage System and Propulsion Unit for Electric Vehicle,” 2nd IEEE International Transportation Electrification Conference-India (ITEC-2017), Pune, 13-15 Dec. 2017.
63. **Bindu R.**, Sujata Patil and **Sushil Thale**, “Design and Control of Power Conversion System for Electric Vehicle Application,” IEEE International (Biennial) Conference on Technological Advancements in Power and Energy (TAPE-2017), Amrita School of Engineering, Amrita Vishwa Vidyapeetham, Amrita University, Kollam, Kerala, 21-23 December, 2017.
64. **Sushil Thale, Uma L.**, Arnab Panja, Roshal Fernandes, Shamli Jondhale and Pierson D’souza, “A Novel Configurable Signal Acquisition System for Multiple Bio-signal Measurements: Assistive Technology for Home Rehabilitation,” IEEE, International (Biennial) Conference on Technological Advancements in Power and Energy (TAPE-2017), Amrita School of Engineering, Amrita Vishwa Vidyapeetham, Amrita University, Kollam, Kerala, 21-23 December, 2017.
65. Swathy Pillai, **Sushil Thale** and Akshay Purohit, “Unbalanced Voltage Mitigation with Reactive Power Control of Grid-tied Solar PV System,” 6th International Conference on Advances in Energy Research 2017, IIT Bombay, Mumbai, India, December 12-14, 2017.
66. Ramkumar L Maurya, **Mini Rajeev**, “Implementation of multilevel DC-link inverter for standalone application”, 2nd Biennial International Conference on Nascent Technologies in Engineering (ICNTE-2017), FCRIT, Navi Mumbai, 27-28 January, 2017.
67. Shahbaz G. Shaikh and **Mini Rajeev**, “Active Power Decoupling method using active buffer in a single phase Photovoltaic (PV) inverter”, International Conference, EIT- 2017, New Delhi, June 2017.
68. **Mini Rajeev** and Vivek Agarwal, “Realization of a novel transformer-less grid-PV interfaced inverter”, IEEE Int. conference, CCUBE-2017, Bangalore, 15-17, December, 2017.
69. Nereus Fernandes, **R. Bindu**, “Maximum power point tracking of wind turbine using switched reluctance generator,” 2nd Biennial International Conference on Nascent Technologies in Engineering (ICNTE-2017), FCRIT, Navi Mumbai, 27-28 January, 2017.
70. Afroz Abdul Kalam Khan, **Divya M.**, “Random Modulation Schemes for Industrial Drives”, 2nd Biennial International Conference on Nascent Technologies in Engineering (ICNTE-2017), FCRIT, Navi Mumbai, 27-28 January, 2017.

71. Akshay Jagtap, **Divya M.**, Pranav Deshpande, Chinmay Dighe, Prathamesh Kamble, Shardul Singh, “DSP Based Standby Power Loss Controller”, International Conference ICATE-2017, Datta Meghe College of Engineering, Airoli, August 2017, ISBN: 978-81-933746-5-8.
72. **Divya M.**, “Enhancing Power System Learning Experience using Simulations”, International Conference ICIRTE-2017, Padmabhushan Vasantdata Patil Pratishthan’s College of Engineering, Mumbai, Oct 2017.
73. Anant Narkhede, Brayan Fernandes, Dattatray Honyalkar, Chirag Raote, **Divya M.**, “DC Emulation of Three Bus Transmission System”, IEEE sponsored International Conference, tapEnergy-2017, Amrita Vishwa Vidyapeetham, Kollam, December 2017, ISBN: 978-1-5386-4022-7.
74. Mrudul A Mawlikar, **Sreedevi S. Nair**, “A Comparative Analysis of Z Source Inverter and DC-DC converter fed VSI”, 2nd Biennial International Conference on Nascent Technologies in Engineering (ICNTE-2017), FCRIT, Navi Mumbai, 27-28 January, 2017.
75. **Sreedevi S Nair**, Mrudul Mawlikar, “A Comparative Analysis of Shoot Through Control Schemes for Z-Source Inverter”, IEEE Sponsored International Conference on Electrical, Instrumentation and Communication Engineering, 27-28 April, 2017. Published in IEEE Explorer.
76. **Sreedevi S Nair**, “Design and Implementation of a PMBLDC motor using Artificial Neural Network” Published at the Proceedings of the International Conference in Industrial Engineering, ICIE, SVNIT, 23 December, 2017.
77. **Ruchi Harchandani**, Pramila Gorade “Pulse Forming network for Marx generator with Boosting Operation”, RTEICT-2017 International Conference proceedings, 19-20 May, 2017.
78. Harshada Gawde, **Ruchi Harchandani**, “Comparison of Pulse forming Networks for Marx Generator” International Conference on Nascent Technologies in Engineering, FCRIT, Navi-Mumbai, 27-28 January, 2017.
79. Felix Keettikkal, **Divya Sajeesh**, **Poornima Rao**, Shashank Hande, Ganesh Dakave Tushar Kute, Akshay Mahajan, R. D. Kulkarni, “Generation of Heat on Fuel rod by using Induction Heating”, International Conference on Nascent Technologies in Engineering, FCRIT, Navi-Mumbai, 27-28 January, 2017.
80. **Mahendra Rane**, S. Wagh, “Stability Enhancement of Transformer PV System using Inrush Mitigation Techniques,” in 49th North American Power Symposium (NAPS 2017), West Virginia University, WV, USA, 19-21 September, 2017.

81. Yutika Chaudhari, **Mahendra Rane**, "Compensation of Mismatch in PV Characteristics Using DC-DC Converter," in International Conference on Power and Embedded drive control ICPEDC2017, SSN College Chennai, March 16-18, 2017.
82. Maitreyee D, **M.K. Namboothiripad**, "A Constant Frequency Second Order Sliding Mode Controller for Buck Converter", International Conference on Electrical, Computer and Communication Technologies (ICECCT 2017), SVS College of Engineering, Coimbatore, Tamil Nadu, February 2017.
83. M Mane, **M.K. Namboothiripad**, "PWM based sliding mode controller for shunt active power filter", International Conference on Nascent Technologies in Engineering (ICNTE), FCRIT, Navi-Mumbai, 27-28 January, 2017.
84. **Ruchi Harchandani**, Pramila Gorade "Simulation of Three Stage PFN based Marx Generator with Boosting Operation" International Conference on Frontiers in Engineering, Applied Sciences and Technology (FEAST-2018), April 27- 28, 2017.
85. Harshada Gawde, **Ruchi Harchandani**, "Pulse Forming Network with Optimized Pulse Power and Rise" International Conference on Advances in Computing, Communication and Control (ICAC3-17) December 1-2, 2018.
86. **Seema Jadhav**, "Impacts of faults on the efficiency of Squirrel cage Induction motor", International Conference on Nascent Technologies in Engineering (ICNTE), FCRIT, Navi-Mumbai, 27-28 January, 2017.
87. **Seema Jadhav**, Neha Devdas, Shakila Nisar, Vaibhav Bajpai, "Bidirectional DC-DC converter in Solar PV System for Battery Charging Application", IEEE International conference on Smart City and Emerging Technologies, 5th January, 2017.
88. Chaitanya Wadke and **Rashmi Kale**, "Electric Vehicle Multiple Input Bidirectional Charge Controller System," 4th International Conference on Innovations and Research in Technology and Engineering, PVPPCOE, Mumbai, October 26-27, 2017.
89. Ashish Nilegekar and **Rashmi Kale**, "Implementation of Multiple Input and Multiple Output Boost Converter for Electric Vehicle," 2nd Biennial International Conference on Nascent Technologies in Engineering, FCRIT, Navi-Mumbai, January 27-28, 2017.
90. Maitreya Vaze, Saikiran Chari, Abhishek Bist, Akshay Tawade, **Harshada Bhosale**, "Head Motion Controlled Electric Wheelchair using PIC Microcontroller", 4th International conference on Science, Technology & Management (ICSTM-2017), Nov 2017.

91. Ananya Satoskar, Vishnu Nambiar, Aishwarya Mohan, Christina Rainy, **Lakshmi Gadhikar**, “Parallelization of Algorithms for Image Stitching Using Distributed Memory Architecture,” In Proc. International Conference of Nascent Technologies in Engineering. FCRIT, Navi Mumbai, 27-28 Jan, 2017.
92. Daphne Wilson, Utkarsh Singh, Abhishek Tiwari, Janice Sunny, **Archana Shirke**, “Multi-Object Video Content Analysis (I – Vigilant)”, In Proc. 2nd Biennial international Conference on Nascent Technologies in Engineering, Fr. C. Rodrigues Institute of Technology, Navi Mumbai, January 27-28, 2017.
93. Pranav Nerurkar, **Archana Shirke**, Madhav Chandane, Sunil Bhirud, “Empirical Analysis of Data Clustering Algorithms,” In Proc. 6th International Conference on Smart Computing and Communications (ICSCC 2017), NIT, Kurukshetr, 7-8 December, 2017.
94. Pranav Nerurkar, **Archana Shirke**, Madhav Chandane, Sunil Bhirud, “A Novel Heuristic for Evolutionary Clustering,” In Proc. 6th International Conference on Smart Computing and Communications (ICSCC 2017), NIT, Kurukshetra, 7-8 December, 2017.
95. Liliyan Anthony, Pradnya Chavan, Astrid Ferreira, Prerana Gadhav, **Archana Shirke**, “Garbage Monitoring System For Smart Cities,” In Proc. 7th International Conference on Recent Trends in Engineering, Science & Management (ICRTESSM-17), Genba Sopanrao Moze College of Engineering, Pune, 01-02 April, 2017.
96. **Trupti Lotlikar**, Prajakta Borude, Pratidnya Bhalerao, Rutuja Dawkhar, Sheetal Kadlag, “A framework for secure SDN,” In Proc. International conference on Advanced Trends in Engineering, ISTE Approved, Datta Meghe College of Engineering, 7th-8th April, 2017
97. Eldridge Fernandes, Karan Tupe, Roshani Ghatule, Tejas Gupta, **Dhanashree Hadsul**, “LTE eMBMS Broadcast Video Application (JioCast),” In Proc. 4th National conference on Advances in Technology & Management (NCATM-2017), A. C. Patil College of Engineering, Navi Mumbai, March 23-24, 2017.
98. **Dhanashree Hadsul**, Shrivastav Kundan, Aaqib Haez H., Mokal Rajkumar, Mujawar Ayaz, “AR TENSOR (Experiencing Reality)”, In Proc. International Conference on Advanced Trends in Engineering (ICATE-2017), Datta Meghe College of Engineering, Navi Mumbai, 7-8 April, 2017.
99. **Parimita Das**, Shraddha G. Chougale, Supriya S. Kadam, Ankita R. Raut, Kavei S. Andhale, “Smart Irrigation System (SIS)”, 4th National conference on Advances in Technology & Management (NCATM-2017), A. C. Patil College of Engineering, Navi Mumbai, 23-24 March, 2017

100. **Mukta Nivelkar**, Sanket Borhade, Sequeira Sean, Pratik Ruptake, Kajal Aher, “Smart Writer,” In Proc. 4th National Conference on Advance Technologies and Management” ACPCE Kharghar, 23-24 March 2017.
101. **Mukta Nivelkar**, Rowland Dominic, Aayushi Sinha, Nishiti Sawant, Hardik Sonetta, “SAURON - Secure Authentication on Urban Residence Over Network,” In Proc. 2nd Inter-National Conference on Nascent Technologies, FCRIT, Vashi, 27-28 January, 2017.
102. **Poonam Bari, Mukta Nivelkar**, “A Study on Text Summarization using Machine Learning and Natural Language Processing Techniques,” In Proc. in International Conference on Emerging Trends in Engineering Innovations & Technology Management (ICET: EITM-2017), at National Institute of Technology Hamirpur, Himachal Pradesh, India, Dec 16-18, 2017.
103. Vaishali Koul, Rakshita Macheri, Ribhu Vats, Liya Baby, **Poonam Bari**, “Hidden Camera Detection,” In Proc. International conference on Recent Trends in Engineering, Science and Management, Pune, 1-2 April, 2017.
104. **Kalpna Wani**, Nikhil Raphi, Betsy Chitteth, Poonam Bhosale, Aniket Fegade, “VRIEW-360: Virtual Reality Enabled Wheelchair,” In Proc. International Conference on Advanced Trends in Engineering (ICATE-2017), Datta Meghe College of Engineering, Navi Mumbai, 7-8 April, 2017.
105. **Prachi Goel**, Mansi Suryawanshi, Gauri Vaidya, Jitesh Patil, Alok Chilka, “Engineering Student Behaviour Pattern Prediction Using Web Response (ESBPP)”, 4th National Conference on Advances in Technology and Management, A. C. Patil College of Engineering, Navi-Mumbai, 23-24 March, 2017.
106. Mitali Ghogare, Rincy Achankunju, Santosh Bhosale, Susamma, Allen Henry, **Suraj Khandare**, “Security on Infrastructure as a Service,” In Proc. 4th National Conference on Advance Technologies and Management, ACPCE Kharghar, Navi-Mumbai, 23-24 March 2017.

Calendar Year 2016

1. **Nilaj Deshmukh**, Adnan Iqbal “Simulation and Experimental Study of Acoustic Waves for Cleaning of Soot in Process Equipments”, 20-21 Dec ICMMD 2016, BATU Lonere.
2. **Nilaj Deshmukh**, Nadar V., “Experimental and Simulation study to reduce Engine Noise”, April 2016, ICDAMS-2016, Savita University Chennai.

3. **Nilaj Deshmukh**, Abhijeet C., “Stress Measurement of Helical Coil Spring under static load using strain Rosette”, April 2016, ICDAMS-2016, Savita University Chennai.
4. **Santosh Chauhan**, Vishal R., “Teaching Learning based optimization for optimal placement of Piezo patches”, April 2016, ICDAMS-2016, Savita University Chennai.
5. **Nilaj D.**, Aarti V. “Experimental and Simulation Study of Modified Acoustic Horn Design for Sonic Soot Cleaning” I-DAD, 22-24 Feb, 2016.
6. **Nilaj D.**, Dipesh J. “Experimental and Simulation Study of Modified Acoustic Horn Design for Cleaning”, ICERAT-2016, KJCOE, 1-2 April, 2016.
7. **Pushpa U S**, Tanaya Tipnis, Priyanka B, Tanmay Bhopi, Krunal B, “Haptic control Robotic arm,” In Proc. ICONECT (International conference on electronics and computing technologies), 2016
8. Veena S., **N. S. Wankhede**, and **M. S. Shah**, “Study of Vocal Tract Shape Estimation Techniques for Children,” *Procedia Computer Science* 79 (2016), Published by Elsevier B.V., Proc. 7th International Conference on Communication, Computing and Virtualization 2016, pp. 270-277, 2016.
9. Veena S, **Nilashree W**, **M. S. Shah**, “Estimation of Vocal Tract Shape of Vowels for children,” In Proc. International Conference on communication systems and networks (ComNet), 2016
10. **Nilashree Wankhede**, Shweta, Tanvi P, Poonam S, “Multipurpose Smart Bag,” In Proc. International Conference on Cloud computing and Virtualization, 2016, doi: 10.1016/j.procs.2016.03.011.
11. Veena S., **N. S. Wankhede**, and **M. S. Shah**, “Study of Vocal Tract Shape Estimation Techniques for Children,” In Proc. International Conference on Cloud computing and Virtualization, 2016
12. Shamali More, **Pranali Choudhari**, “Development of classification indices for Diseases using photo plethysmography,” In Proc. ICCASP-2016, BATU, Lonere, 26-27 December, 2016.
13. Kavita Chandratre, **Pranali Choudhari**, **Smita Chopde**, “Interpretation of brain signals for body movements to control state machine,” In Proc. International Conference on Signal Processing, Communication and Computational Research (ICSPCCR-16) VVIET, Mysore, 18-19 May, 2016.
14. Shamali More, **Pranali Choudhari**, “Development of Non-invasive Diagnostic Tool for Diseases using Photo Plethysmography,” In Proc. International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET 2016), SSNCOE, Tamilnadu, 23-25 March, 2016. IEEE Explor.

15. **Savitha S Upadhya**, A. N. Cheeran, “Extraction of Phonation Measures Affected by Parkinson Disease,” In Proc. ICRIESHM - 2016
16. Rhutuja Jage, **Savitha S Upadhya**, “CELP and MELP Speech Coding Techniques,” In Proc. WiSPNET 2016, SSNCOE, Tamilnadu, 23-25 March, 2016.
17. Rhutuja Jage, **Savitha S Upadhya**, “Analysis of MELP Coder”, International Conference on Innovations in information, Embedded and Communication Systems (ICIIECS 2016), 2016.
18. Rhutuja Jage, **Savitha S Upadhya**, “Spectral Domain Waveform Coding for Speech” IEEE Sponsored 3rd International Conference on Electronics and Communication Systems, (ICECS 2016).
19. **Jatin Sanjay Desai**, Prince Nadar, Vikas Thale, Sanket Thakre, “Design of front-end circuitry for detection of surface EMG using bipolar recording technique”, International Conference on Control, Instrumentation, Communication & Computational Technologies (ICCICCT-2016), ISBN No. 978-1-5090-5240-0.
20. Shreyashi De, **Bindu S.** “Design and Implementation of DSP based Unipolar Solid-State Marx Generator”, ICIIECS'16, Karpagam, March 17-18, 2016.
21. Rashmi Chaugule, **Bindu S.** and **Ruchi Harchandani**, “Design and Hardware Implementation of Two Stage Solid State Bipolar Marx Generator”, IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT), 20-21 May 2016.
22. Rashmi Chougale, **Ruchi Harchandani**, **Bindu S.** “Design and Simulation of 15 KV, 15 Stage Solid State Bipolar Marx Generator”, ICRTCCS, International Conference Proceedings, 8-9 January 2016.
23. Rachit Pradhan, Martin Chirayath and **Sushil Thale**, “Coordinated Control Strategy for a DC Microgrid with Low Bandwidth Communication,” Accepted at IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES2016), Trivandrum, Kerala, 14-17 December, 2016.
24. **Mini Rajeev** and V. Agarwal, “Closed loop Control of Novel Transformer-less Inverter Topology for Single Phase Grid Connected Photovoltaic system,” IEEE Peci 2016, Illinois, pp.1-7, February, 2016.
25. **Mini Rajeev** and Vivek Agarwal, “Current Source Inverter with reduced leakage current for Transformer-less Grid -PV interface”, 7th Power India Int. Conference IEEE PIICON 2016, Bikaner, 25-27, November, 2016.

26. Nereus Fernandes, **Bindu R., Sincy George**, "Control of switched reluctance generator in wind energy system," International Conference on Green Engineering and Technologies (IC-GET), IEEE Xplore, Nov 2016.
27. M Mane, **M.K. Namboothripad**, "Current harmonics Reduction using sliding Mode Control Based Shunt Active Power Filter", 10th International Conference on Intelligent Systems and Control (ISCO), Coimbatore, 2016, pp.93-98.
28. **Mahendra Rane**, and S. Wagh, "Adaptive Reference Power Algorithm for Power Sharing between Inverters under Varying Source Condition," 6th IEEE International Conference on Power Systems, IIT Delhi, March 4-6, 2016.
29. M Parimi, M Monika, **M. Rane**, S Wagh, and A Stankovic, "Dynamic Phasor-based Small-Signal Stability Analysis and Control of Solid-State Transformer," 6th IEEE International Conference on Power Systems (ICPS 2016), IIT Delhi, March 4-6, 2016.
30. Shilpa Varaskar, **Divya M.**, "Interleaved Buck Converter with Low Output Current Ripple using Model Predictive Algorithm", IEEE sponsored International Conference (ICIIECS-2016), Karpagam College of Engineering, Coimbatore, March 2016, pp. 492-496, ISBN: 978-1-4673-8207-6.
31. Megha S. Pillai, **Sreedevi S. Nair**, "Closed Loop Sped Control of PMSM motor using Artificial Neural Networks" Proceedings of the IEEE Sponsored International Conference on Innovations in Information, Embedded and Communication Systems, ICIIECS-2016.
32. Prajakta Pawaskar, Pradeep Chawande and **Seema Jadhav**, "Design and Implementation of Low cost Three phase Energy meter", IEEE International Conference on Recent Trends in Electronics Information Communication Technology, May 20-21, 2016, Bangalore. PP 306-310.
33. Ashish Nilegekar and **Rashmi Kale**, "Design and Development of Electric Vehicle Battery Charging using MIMO Boost Converter," IEEE Sponsored 3rd International Conference on Innovations in Information, Embedded and Communication Systems (ICIIECS-16), March17-18, 2016, Pg.177-182.
34. Ramkumar Maurya, **Divya Sajeesh, Poornima Rao**, "Utility System Unbalance in Single phase electric Traction-A Review", International conference on Global Technology Initiatives, Mumbai, 29-30 March, 2016.
35. **Harshada C. B.**, Pranav R, Pranali M., Pooja J., Apurva B., Amol K., "Solid State Marx Generator with Anti-parallel capacitor configuration using Arduino", International Conference on Automation control and Dynamic Optimization Techniques (ICACDOT 2016), I2IT, Pune, Sept. 2016.

36. Dinesh Bhujade, **Rajendra Soni**, “Direct Torque Control of Three Phase Induction Motor Using Space Vector Modulation Technique”, ICIECS, 2016.
37. Sidvita Hegde, Tejaswini Kachare, Chinmay Musale, Rutuja Jogdand, **Lakshmi Gadhikar**, “Air Caliber Monitoring system for Laboratories,” In Proc. International Conference on Emerging Trends of Technology, Dilkap Research Institute of Engineering and Management Studies, Neral, Mumbai, 17-18 March, 2016.
38. Ashesh Kumar Singh, Aditya Shetye, Sanket Nalawade, Tarun Pable, **Archana Shirke**, “Kibitzer : Media Recommendation using Big Data Analytics,” In proc. International conference on Emerging Trends in Engineering, Science Technology (IFERP), Mumbai, 12-13 March, 2016.
39. Mitra Thakkar, Dashmit Dassan, Akash Shanavas, Parag Watwe, **Archana Shirke**, “LAMBDA:Large Graph Mining using Big Data Analytics,” In Proc. International Conference on Emerging Trends of Technology (Vivruti-2016), Dilkap, Neral, Mumbai, 17 – 18 March, 2016.
40. **Trupti Lotlikar**, Abhilasha Gadekar, Priyanka Warge, Riddhi Nagwekar, Tanmay Gore, “Sticker Control for Internet of Things and Home Automation,” In Proc. International conference on emerging trends in engineering, science and technology (ICEST-16), IFERP, 12-13 March, 2016.
41. Deepak Mali, Pritesh Tupe, Swati Suvarna, Swapnali Tambe, **Dhanashree Hadsul**, “Talent Acquisition System,” In Proc. National Conference on Advance Trends In Electronics (NCATE-2K16), Datta Meghe College of Engineering - Airoli, Mumbai, 12th March, 2016.
42. Akash Anandrao, Prasad Madhale, Niraj Mishra, Prakshal Sawle, **Dhanashree Hadsul**, “Dynamic Affordance Using Touchless 3d-Tracking Interface”, International Conference on Emerging Trends of Technology, Dilkap, Neral, Mumbai, 17 – 18 March, 2016.
43. Falguni S., Hitendra G. Ganesh R. Kausthub S., Parimita D, “Food Sensor to Detect Quality Of Food” International Conference on Emerging Trends of Technology (Vivruti-2016), Dilkap, Neral, Mumbai, 17 – 18 March, 2016.
44. Shraddha Manjappa, Pooja Rane, Pratiksha Tamhane, Rupali Chikane, **Parimita D.**, “Linux Based Global File Reader”, International conference on Emerging Trends in Engineering, Science Technology (IFERP), Mumbai 12-13 March, 2016, ISBN: 9788192958045.

45. Aseem Mahajan, Lakshmi Sureshbabu, Jessal Manidhar, Kumar Bhagwat, **Poonam Bari**, “Automatic subtitle generation in videos using Mel frequency cepstral coefficients,” in Proc. International conference on Emerging Trends in Engineering ,Science Technology (IFERP), Mumbai, 12-13 March, 2016.
46. Pranit Wavhal, Varun Mundale, Amrut Salunkhe, Sagar Garje, **Anandkumar Pardeshi**, “Mobile Motion Sensor,” In Proc. International Conference on Emerging Trends of Technology (Vivruti-2016), Dilkap, Nerul, Mumbai, 17-18 March, 2016.
47. Jincy jonikutty, Varun Vasudevan, Imran Chaudhary, Rashmi Badhe, **Kalpana Wani**, “Subjective Answer Evaluation System,” In Proc. International conference on Emerging Trends in Engineering, Science Technology, 12 -13 March, 2016.
48. Shubham Thakur, Jayesh Satdive, Pratik Patil, Amit Chaudhary, **Prachi Goel**, “Lie Interrogator Expert (L.I.E)”, International Conference on Emerging Trends of Technology (Vivruti-2016), Dilkap, Nerul, 17-18 March, 2016.

Calendar Year 2015

1. **Rahul Jadhav**, “An Efficient and Interactive Approach for Association Rules Generation by Integrating Ontology and Filtering Technique,” in Proc. International Conference on ICT for Sustainable Development (ICT4SD), Ahmedabad, July 3-4, 2015, ISSN:2194-5357.
2. **Prasad Bari**, Tushar D., Advait P., Kartiki P., Sanchit S., “Optimization of EDM Process using DOE”, ICIE-2015, SVNIT, Surat, November 2015.
3. Faiz M. and **Nitesh Yelve**, “Locating a damage in an Aluminum plate using Lamb waves”, 25th National Seminar and International Exhibition on Non-Destructive Evaluation, Hyderabad, November 2015.
4. **Nitesh Yelve**, **Suvarna Rode**, “Damage detection in a thin Aluminum plate using Lamb wave-based time reversibility technique”, ISSS National conference on MEMS smart materials, structures and Systems, Kochi, September 2015.
5. **Nilaj D.**, Anand P., “Experimental & Analytical Study for Uncertainty in Strain Measurement”, ICNTE 2015, FCRIT, Vashi, 09-10 January, 2015.
6. A. S. Patil and **M. S. Shah**, “Comparison of Vocal Tract Shape Estimation Techniques Based on Formant frequencies Autocorrelation Covariance and Lattice,” in Proc. International Conference on Nascent Technologies in Engineering, FCRIT, Navi Mumbai, January 09-10, 2015.

7. **Pushpa U S**, Tanaya Tipnis, Priyanka B, Tanmay Bhopi, Krunal B, “Robotic arm with haptic feedback,” In Proc. International conference on current advances in electronics, electrical & computer science, Pune, November 2015.
8. **Pushpa U S**, Arham Surve, Latika Chile, Sneha Nayak, Roshan Kankal, “Smart Home automation using Zigbee,” In Proc. International Conference on Industrial Electronics and Electrical Engg., Pune, April 2015
9. **Pushpa U S**, Rahi Shet, Aparna Indore, Vaibhav Deshmukh, Aparajita Sahol, “Intelligent Traffic Light control using Image Processing,” In Proc. International Conference on Industrial Electronics and Electrical Engg., Pune, April 2015
10. S. Shelar, N. Patil, M. Jain, S. Chaudhari, **S. Hande**, “Soldier Tracking and Health Monitoring Systems”, in Proc. International Conf. on Electrical Electronics and Data Communication, Pune, 8th March 2015, pp.82-86
11. **Smita Hande**, “Analysis of Spatial Processes Using Internet of Things,” In Proc. International Conference (ICET), IJAR, Pune, 2016, pp. 61-64.
12. **Smita. Hande**, C. Karkera, P. Patil, S. Kanade, V. Chavan, “WSN Based a Spatial Process Monitoring and Analysis System”, in Proc. National Conf. on Recent Innovations in Science Engineering & Technology, Pune, 6th Sept 2015, pp.7–9, (ISBN: 978-93-85465-94-9).
13. Samruddhi Patil, **Pranali Choudhari**, “Impedance Cardiography Used For Diagnosis of Diseases,” In Proc. Third International Symposium on Women in Computing and Informatics (WCI-2015), SCMS, Kochi, August 10-13, 2015.
14. Samruddhi Patil, **Pranali Choudhari**, “Signal Processing Algorithms for Analysis of ECG for Classification of Cardiovascular diseases,” In Proc. International Conference in Nascent Technologies in Engineering ICNTE 2015, Fr. C. Rodrigues Institute of Technology, Navi-Mumbai, January 8-10, 2015.
15. Tejas Bobhate, **Megha Kolhekar**, “SALIENT REGION DETECTION BY EXPLOITING BACKGROUND CUES”, In Proc. 21st IRF International Conference, Pune, 8th March 2015, ISBN: 978-93-82702-75-7
16. **Sadhana Pai**, Mira Parmar, “Analysis of MRI Images for Brain Tumor Detection,” In Proc. MULTICON-W, 2015
17. **Sadhana Pai**, Mira Parmar, “Image Segmentation Techniques: A comparative Study,” in Proc. International Conference on Nascent Technologies in the Engineering fields of Mechanical, Electrical, Electronics & Telecommunication and Computer / Information Technology ICNTE-2015, Fr. C. Rodrigues Institute of Technology, Navi Mumbai, January 8-10, 2015.

18. Rashmi V. Chaugule, **Ruchi Harchandani, Bindu S.**, “Solid state Bipolar Marx Generator Topologies: A Comparative study”, International Conference on Nascent Technologies in the Engineering fields (ICNTE-2015), FCRIT, Navi-Mumbai, January 9-10, 2015.
19. Rakshita Dhar, **Bindu S., Sincy George, P. C. Saroj, Archana Sharma** “A High Voltage Zero Current Switching- Series Resonant Converter Using DSP” International Conference on Nascent Technologies in the Engineering fields (ICNTE-2015), FCRIT, Navi-Mumbai, January 9-10, 2015.
20. Shreyashi De, **Bindu S.**, “Design and Simulation of Solid-state Marx Generator”, ICRTIET-2015, Ongole, Andhra Pradesh, May 1-2, 2015.
21. Neha Wanjari, **Bindu S.**, “Modelling of Bipolar Solid-state Marx Generator Including Parasitic Capacitance Effect”, ICCDT-2015, Mumbai, October 11th, 2015.
22. Prajakta Pawar and **Sushil Thale**, “Harmonic Analysis and Selective Elimination in PWM Technique Controlled Three Phase Inverter,” International Conference on Nascent Technologies in the Engineering (ICNTE 2015), FCRIT, Navi Mumbai, 9-10 January, 2015.
23. **Keerthy Unni, and Sushil Thale**, “Design and Development of a Solar PV Inverter for Water Pumping Applications,” International Conference on Nascent Technologies in the Engineering (ICNTE 2015), Fr. C. Rodrigues Institute of Tech., Navi Mumbai, 9-10 January, 2015. Won the Best Paper Award in Electrical Engineering group.
24. Shantanu Kulkarni and **Sushil Thale**, “Design and Development of Solar PV based Grid Interactive Inverter,” International Conference on Nascent Technologies in the Engineering (ICNTE 2015), Fr. C. Rodrigues Institute of Tech., Navi Mumbai, 9-10 January, 2015.
25. Gauri Madan, **Keerthy Unni, Swathy Pillai, and Sushil Thale**, “Design and implementation of a DC Microgrid with multiple sources,” National Conference on Nascent and Advanced Technologies, IETE Navi Mumbai Centre, August 2015.
26. Medha Kulkarni and **Sushil Thale**, “Investigation into Selection and Sizing of Energy Storage for Designing of Dispatchable Solar PV System,” National Conference on Nascent and Advanced Technologies, IETE Navi Mumbai Centre, August 2015.
27. Prachi Bhopi and **Sushil Thale**, “Active Generation Management and Load Management for Standalone Solar Photovoltaic System,” National Conference on Nascent and Advanced Technologies, IETE Navi Mumbai Centre, August 2015.

28. Parimal Patil, **Mini Rajeev**, “Comparison of three different topologies of a five level Multi level inverter”, International Conference on Nascent Technologies in the Engineering (ICNTE 2015), Fr. C. Rodrigues Institute of Tech., Navi Mumbai, 9-10 January, 2015.
29. **Mini Rajeev** and V. Agarwal, “Novel transformer-less inverter topology for single-phase grid connected photovoltaic system,” IEEE 42nd Photovoltaic Specialist Conference (PVSC), New Orleans, USA, pp. 1-5, June, 2015.
30. C. Phani Kumar, **Mini Rajeev** and V. Agarwal, “A novel single stage zero leakage current transformer-less inverter for grid connected PV systems,” IEEE 42nd PVSC 2015, New Orleans, USA, pp. 1-5, June, 2015.
31. Omkar V Pawar, **Bindu R.**, Rohit Chandan, “Direct Torque Control of Induction Motor using Four Switch Three Phase Inverter”, International Conference on Recent Trends and Innovations in Engineering and Technology, PACE, Andhra Pradesh, May 1-2, 2015.
32. Rahul D Patil, **Bindu R.**, “Modelling and Control of Switched Reluctance Motor for Hybrid Electric Vehicle”, International Conference on Recent Trends and Innovations in Engineering and Technology, PACE, A.P, May 1-2, 2015.
33. Kunal Pardeshi, **M. K. Namboothripad**, “Robust Sliding Mode Controller for PV Connected Converter Inverter System”, 2nd international conference on Emerging trends in Technology and Applied sciences, SAINTGITS COE Kottayam, Kerala, 2015.
34. Vinod Pawar, **Mahendra Rane**, “Analysis of Distributed Maximum Power Point Tracking of PV System under Partial Shading Condition,” International Conference on Recent Trends & Innovations in Engineering & Technology, ICRTIET-2015, Ongole, Andhra Pradesh, May 1-2, 2015.
35. Siddhesh Sawant, **Mahendra Rane**, and Ramchandra Bhosale, “Performance Analysis of Fractional Frequency Transmission System using Hardware setup,” International Conference on Electrical, Electronics, Signals, Communication and Optimization (EESCO) – 2015, Visakhapatnam, Andhra Pradesh.
36. **Sreedevi S Nair**, Amit Kumar Yadav, “Design and Simulation of a Fuel Cell Based System for Residential Applications”, Published at the Proceedings of the 24th, IRF, Conference, Pune, April 2015.
37. **Sreedevi S Nair**, Megha S. Pillai, “Simulation of a PMBLDC motor using Artificial Neural Network”, Proceedings of the International Conference in Industrial Engineering, ICIE, SVNIT, November 27, 2015.

38. **Divya M.**, “A Comparison of Ant Colony Optimization Algorithms applied to Distribution Network Reconfiguration”, International Conference on Nascent Technologies in the Engineering (ICNTE 2015), Fr. C. Rodrigues Institute of Tech., Navi Mumbai, 9-10 January, 2015.
39. Pranav Deshpande, Chinmay Dighe, Akshay Jagtap, Prathamesh Kamble, Shardul Singh, **Divya M.**, “An Investigation of Standby Power Losses”, International Conference, EPEACT-2015, JNU, New Delhi, March 2015.
40. Shilpa Varaskar, **Divya M.**, “A Comparative Simulation Study of Buck Converter Topologies Used in Low Ripple High Power Applications”, International Conference, ICCDT-2015, Babasaheb Gawde Institute of Management Studies and Babasaheb Gawde Institute of Technology, Mumbai, October 2015, pp. 82-86, ISBN: 978-93-5254-002-0.
41. **Seema Jadhav and Sincy George**, “Design of PI Controller for Grid-connected DG unit using Root Locus Technique”, International Conference on Nascent Technologies in the Engineering (ICNTE 2015), Fr. C. Rodrigues Institute of Tech., Navi Mumbai, 9-10 January, 2015.
42. **Seema Jadhav**, “Review of Mitigation Techniques for Power Quality issues in Distributed Generation”, International Conference on Advanced Science and Technology, ICSAT- 2016 Conference Proceedings, 8-9 December, 2015.
43. Akshay Gadi, Ranjit Devcker and **Rashmi Kale**, “Optimization in Switch Utilization for Solar Based Water Sprinkler and Moisture Sensor - A Case Study”, Second International Conference on Contours of Digital Technology at Baba Saheb Gawade Institute of Technology, October 11, 2015, pp. 21-26.
44. Ashish Nilegekar and **Rashmi Kale**, “Selection and Design of DC-DC Converter for Solar Based Battery Charging of Electric Vehicle”, Second International Conference on Contours of Digital Technology at Baba Saheb Gawade Institute of Technology, October 11, 2015, Pg.53-58.
45. **Rashmi Kale**, “Solar Coupled Switched Mode Power Supply”, International Conference on Nascent Technologies in the Engineering (ICNTE 2015), Fr. C. Rodrigues Institute of Tech., Navi Mumbai, 9-10 January, 2015.
46. Arpit Bohra, **Divya Sajeesh & Michael. S.**, “Modulation Techniques in Single Phase PWM Rectifier”, International conference on Advances in science and Technology, Mumbai, 8-9 December, 2015.
47. Sumeet Agarwal, Pari Gupta, Kaustav Sen, Afreen Shaikh, **Archana Shirke**, “Blue Alarm - Anti Theft System,” In Proc. ICCIA-2015, Sandip Institute of Technology and Research Centre, Nasik, 25-27 February, 2015.

48. Sailee Hande, Vidhi Sanghavi, Vinit Singh, Siddhant Naik, **Archana Shirke**, “Blind Vision: Finger Reader for Visually Impaired People,” In Proc. 2nd National conference on Advancements in Communication, Computing and Electronics Technology (ACCET-2015), M.E.S college of Engineering, Pune, 5-6 February, 2015.
49. Pranav Kulkarni, Aishwarya Patil, Sneha Sahu, Manoj Vishwakarma, **Trupti Lotlikar**, “Human Gesture Recognition for Mouse Control,” In Proc. ICCIA-2015, Sandip Institute of Technology and Research Centre, Nasik, 25-27 February, 2015.
50. Chetan Khurana, Atul Kanswal, **Deepa Vincent**, Grishma Sheety, Suyog Patil, “Interactive Dinning”, National Conference on Recent Trends in information technology, Auro University, Surat, 21 February, 2015.
51. Sagar Bhujbal, Shraddha Patil, Ketan Nijai, Neha Naik, **Parimita Das**, “Otolock-A Biometric Tool”, National Conference on Recent Trends in information technology, Auro University, Surat, 21 February, 2015.
52. Vrishali Bhor, Keven Sebastian, Varun Saxena, Pravin Hodge, **Poonam Bari**, “Creation of Presentations with Feature Specific Multi-Document Summarization,” In Proc. 2nd National Conference on Innovations in IT and Management, Sinhgad Institute of Management and Computer Application, Pune, 27-28 February, 2015.
53. Sonal Trimbake, Sanjana Shirvadkar, Ankita Anchan, **Kalpna Wani**, “Automated Door Locking System,” In Proc. International Conference on Emerging Trends of Technology, Dilkap Research Institute of Engineering & Management Studies, Neral, Mumbai, 18-19 March, 2015.
54. Komal Chaudhari, Ritu Mishra, Prachi Baing, Ashu Pal, **Smita Rukhande**, “Skin Cancer Detection Using Image Processing,” In Proc. International Conference on Emerging Trends of Technology. Dilkap Research Institute of Engineering & Management Studies, Neral, Mumbai, 18-19 March, 2015.
55. Harshada Patil, Ankit Patil, Pranali Morankar, Sohan Dedhia, Chetana Badgajar, “Detection of Potholes & Obstacles on the Road” 2nd National Conference on Innovations in IT and Management (NCI2TM-2015), S.T.E.S's, Sinhgad Institute of Management and Computer Application, Pune, 27-28 February, 2015
56. Manali Maheshwari, Rajashree Kumar, Jasper Joy, Anubha Jha, **Bharti Kamble**, “Dynamic Signature Based Authentication System”, in proc. ICCIA 2015, Sandip Institute of Technology and Research Centre, Nasik, 25-27 February, 2015.

Calendar Year 2014

1. **Nitesh Yelve**, Mira Mitra, P. Muzumdar “Detection of Breathing damages in Thin walled structures using Lamb wave based nonlinear technique” 6th International Symposium on NDT in Aerospace, Madrid, Spain, 12-14 November 2014.
2. **Snajay Rukhande**, Zaid Shaikh, Sushant Ugale, Anuja Vekhande “Muffler Modification for Noise reduction” International Conference on Civil, Mechanical, Biological and Medical Engineering, ISBN-978-3-642-24819-9, pp 78-82, 20 April, 2014.
3. Nitin Gurav, Pallavi Vaidya, Fazlerazzak Riyaz, Lokesh Bohra, Taral Patil “Design and Development of a roof for 2-wheeler”, International Conference on Civil, Mechanical, Biological and Medical Engineering, ISBN-978-3-642-24819-9, pp 74-77, 20 April, 2014.
4. **Praseed Kumar**, Vijay Ramaswamy, Sumant Joshi, Ashank Dixit, Santosh Kanekar, “Liquid level controller using PID controller based on LabVIEW software” International Conference on Civil, Mechanical, Biological and Medical Engineering, ISBN-978-3-642-24819-9, pp 47-51, 20 April, 2014.
5. **Nitesh Yelve**, Mira Mitra, P. Muzumdar, “Nonlinear effect of debonding of wafer type piezo-electric actuator on the behavior of Lamb wave” International Conference, San Diego, USA, 9-13 March 2014.
6. Salkar Siddharth, Kulkarni Shubhamkar, **Kanika Mathur, Shamim Pathan**, “Thermal Analysis on various cooling fin profiles” National Conference on Thermal, Fluid and Manufacturing Science, Surat, Gujrat, 24-25 Jan, 2014.
7. Pratik Desai, Soham Umbrazkar, Rahul Mahajan, Nitin Khandekar, **Prasad Bari, Santosh Chauhan**, “Performance of Electric Discharge Machining using Chromium Powder suspended in distilled water” National Conference, Contemporary research in India, ISSN 2231-2137, pp-100-105, March, 2014.
8. **Pushpa U S**, Ajay Maity, Ruta Bhave, Priyanka S, Mitali Goga, “Bluetooth based control and monitoring of an electrical drive,” in Proc. (Industrial electronics and electrical Engineering (ICIEEE) 2014
9. **Yogesh C.**, “Microcontroller Based Temperature and Luminosity Control System using CAN Bus,” in Proc. International Conference on Advances in Communication and Computing Technologies (ICACACT), PVPP’s College of Engg. Mumabai, 2014.
10. **Megha K., Anita J**, “Digital Watermarking in Video for Copyright Protection,” in Proc. International Conference on Electronic Systems, Signal Processing and Computing Technologies (ICESC2014).

11. **Bindu S**, “Particle in Cell Simulation of Peaking Switch for Breakdown Evaluation”, International Symposium on Discharges and Electrical Insulation in Vacuum ISDEIV – 2014
12. **Sushil Thale**, “Design of a photovoltaic power conditioning system for hierarchical control of a microgrid”, 40th IEEE Photovoltaic Specialist Conference PVSC-2014, Colorado, USA, 2014
13. **Megha K., Anita J.**, “Digital Watermarking in Video for Copyright Protection,” In Proc. International Conference on Electronic Systems, Signal Processing and Computing Technologies (ICESC2014)
14. **Seema Jadhav and Sincy George**, “Control of DG in Grid-connected and Intentional Islanded mode of Operation,” In Proc. International conference Interface-2014, VJTI, Mumbai
15. **Divya S and Sincy George**, “Power Factor Improvement in Rectifier circuit-A Simulation Study,” In Proc. International Conference on Magnetism, Machines and Drives (AICERA-2014), Kerala.
16. **Harshada B., Bindu S., and Sincy George**, “Design and Simulation of 50 kV, 50 A solid state Marx Generator,” In Proc. International Conference on Magnetism, Machines and Drives (AICERA-2014)
17. **Bindu R**, “Magnetostatic Analysis and Power Optimisation of Electric Release Brake,” In Proc. International Conference on Magnetism, Machines and Drives (AICERA-2014)
18. **Bindu S and Sincy George**, “Design and Simulation of 30 kV, solid state DC source,” In Proc. International Conference on Magnetism, Machines and Drives (AICERA2014)
19. **Mini N**, “Sliding mode controller with Adaptive sliding coefficient for Buck converter,” In Proc. 6th IEEE Power India International conference 2014
20. Ramchandra Bhosale, **Bindu R**, “Indirect Vector Control of Induction motor using Fuzzy Logic Controller,” In Proc. International Conference on Advances in Engineering and Technology, ACET, Nagpur
21. **Sreedevi Nair**, “Modelling and simulation of Fuel cell-based system for Residential Applications,” In Proc. International conference on Advances in Science and Technology ICAST-2014
22. Vijaya K. Iyer, Sanika Naik, Raju Enjapuri, Shekhar Sapkale, **Lakshmi Gadhikar**, “Speed Monitoring System For Vehicles,” In Proc. International research conference on recent advances in engineering and technology (IRCRAET), Pune, 23rd March 2014.

23. Khushbu Gupta, Kajal Gupta, Shatrughan Gupta, **Lakshmi Gadhikar**, "Mitigation of Fire Based Disaster," In Proc. (ICEFT-2014), Saboo Siddik College of Engineering, Byculla, 27-28 March, 2014.
24. Mona Jain, Gaurav Dhakate, Mohit Ranadive, Prathamesh Tajane, **Lakshmi Gadhikar**, "De-Blurring Blurred Images," In Proc. National Conference on Tech Stream a flow of Initiatives & Innovations, Pillai HOC college of Engineering. Technology, Rasayani, 21-22 February, 2014.
25. Rohit Mane, Nitin Patil, Aniket Nakade, **Archana Shirke**, "Iforrest: Recognition of plant by leaf Image," In Proc. National Conference on Tech Stream a flow of Initiatives & Innovations, Pillai HOC college of Engineering. Technology, Rasayani, 21-22 February, 2014.
26. Desai Rutuja, Priya T, Gaurang D, Ram Dixit, **Archana Shirke**, "3D- Eyeware for Product Visualization," In Proc. National Conference on Innovations in IT and Management (NCI2TM-14), Sinhgad Institute of management and computer application, Pune, 21-22 February, 2014.
27. **Trupti Lotlikar**, Rohit Patki, Vibha Singh, Saini Sukhmeet Kaur, Sarabjeet Singh,"Enhanced Learning through Augmented Reality ," In Proc. 2nd National Conference on Advances in technology & System NCATM-2014, A. C. Patil College of Engineering & Management, 14-15 February, 2014.
28. **Trupti Lotlikar**, Amruta Kadam, Ankita Mane, Pratik Tambe, Samson Sabu, "A survey on Intrabody Communication for Human Area Network Application," In Proc. (ICEFT-2014), Saboo Siddik College of Engineering, Byculla, 27-28 March, 2014.
29. Suby Ashok Kumar Singh, Akash Toshniwal, Sudhir Kumar, Shikhar Bagade, **Deepa Vincent**, "Crane Design Software with Auto-CAD", 2nd National conference on Advances in technology & System (NCATM-2014), A. C. Patil college of Engineering & Management, Navi-Mumbai, 14-15 February, 2014.
30. Rushil Anand, Santosh Mahajan, Abhinav Padhye, Sumit Saxena, **Deepa Vincent**, "Wi-SCADA Syatem Wireless Supervisory Control and Data Acquisition System", National Conference at Pillai HOC college of Engineering. Technology, Rasayani, 21-22 February, 2014.
31. Juilee Jadhav, Lokesh Jain, Madanraj Shripati, Shweta Raut, **Dhanashree Hadsul**, "Glare On 3D-ized Face," In Proc. National Conference on Innovations in IT and Management (NCI2TM-14), Sinhgad Institute of management and computer application, 21-22 February, 2014.
32. Prithvi Chauhan, Varsha Doifode, Nikhil Patil, Vikas Sul, **Dhanashree Hadsul**, "Interactive Learning For Rural Areas," In Proc. National Conference at Pillai HOC college of Engineering. Technology, Rasayani, 21-22 Feb 2014.

33. **Parimita Das**, Kavita P. Shirsat, “Implementation of Multi Factor Authentication Techniques for Email System”, International Conference and workshop on Advance Computing (ICWAC-2014), Thakur college of Engineering and technology, 28th Feb & 1st March, 2014.
34. Ajay Jayanthe, Ameya Darole, Ankit Khetan, **Mukta Nivelkar**, “Backing Track Generator,” In Proc. National Conference at Pillai HOC college of Engineering. Technology, Rasayani, 21-22 February, 2014.
35. **Poonam P. Bari**, Shanta Sondur, “Query and Features based Multi-Document Summarization using Mutual reinforcement & Relevance propagation models with ROUGE Evaluation,” In Proc. International Conference ItechCON 2014, Vivekanand Institute of Technology, Chembur, 2-4 January, 2014.
36. Akshay Agrawal, Nilesh Jorwar , Swapnil Shinde , Zoheb Chaugule, **Poonam Bari**, “Content mining: News accumulation and summarization based on clustering,” In Proc. International Conference on Science and Technology (ICST-2K14), S. B Patil College of Engineering, Pune, 21-22 February, 2014.
37. Nomani Hena, Shruti Nair, Anmol Haksar, Prakash Mishra, **Kalpana Wani**, “Opinion Mining: A sentiment analysis,” In Proc. ICEFT-2014, Saboo Siddik College of Engineering, Byculla, 27-28 March, 2014.
38. **Kalpana Wani**, J. W. Bakal, “A Survey on Web Page Recommender Systems,” In Proc. International Conference on Science and technology (ICST-2K14), S. B Patil College of Engineering, Pune, 21-22 February, 2014.
39. **Kalpana Wani**, Dr. J. W. Bakal, “Association Rule Mining from Server Log File,” In Proc. International Conference on Electrical, Electronics and Computer Science (ICEECS), 20th April, 2014.
40. Shreya Agarwal, Kaminee Shimpi, Ankit Tyagi, Yash Pathare, **Suraj Khandare**, “Telepresence Robot,” In Proc. International Conference on Science and technology, S. B. Patil COE, Pune 21-22 February, 2014.
41. Arunanshu Nayk, Disha Patel, Pranav Gaitonde, Ritesh Kamble, **Chetana Badgujar**, “Posture Monitoring and Warning System”, National Conference on Innovations in IT and Management (NCI2TM-14), Sinhgad Institute of management and computer application, 21 - 22 February, 2014
42. Keerthi Priya Pulukuri, Guru Raj Rao, Swathi Kandala, **Rupali Nilaj**, “Secure fingerprint using Mosaicking,” International Conference and Journal on Advances in Engineering and Technology (ICAET-2014), 8 - 9 January 2014.