

SUMMARY OF PUBLICATIONS (SH22)

Sr.no.	Type of Publication	No. of Publications
1.	Journal Publications	06
2.	Conference Publications	16

PAPERS PUBLISHED IN JOURNALS

SH22

Sr. No.	Name of Faculty Member	Details of Papers Published	Date	DOI	Category
1.	Praseed Kumar	Jovan Menezes, Shubhankar Das, Bhavik Panchal, Nitesh P Yelve, Praseed Kumar, "Mapping, Trajectory, Planning and Navigation for Hexapod Robots using ROS", Lecture Notes in Mechanical Engineering, Vol.2, pp 851-867, 2022	15 July 2022	https://doi.org/10.1007/978-981-16-2794-1_76	Scopus Book Chapter
2.	Bipin Mashilkar	Varkute, Nilesh, Badal Kudachi, Bipin Mashilkar, Priyan Kamble, Anmol Rane, Aishwarya Harad, and Glen Rebello. "Experimental and Numerical Investigation of Latent Heat-Based Energy Storage System Using Nano-Enhanced Phase Change Material." In Recent Advances in Mechanical Engineering, pp. 559-571. Springer, Singapore, 2023.	9 Sept. 2022	https://doi.org/10.1007/978-981-19-2188-9_51	Scopus Book Chapter
3.	Nilesh Varkute	Varkute Nilesh, Badal Kudachi, Shardul Kachare, Chintan Mange, JigarGandhi, and Harish Menon. "Thermal Analysis of Earth Tube Heat Exchanger Using Experimental Setup and Simulation." Recent Advances in Mechanical Engineering, pp. 445-454. Springer, Singapore, 2023.	9 Sept. 2022	https://doi.org/10.1007/978-981-19-2188-9_41	Scopus Book Chapter
4.	Nilesh Varkute	Varkute, Nilesh, Badal Kudachi, Bipin Mashilkar, Priyan Kamble, Anmol Rane, Aishwarya Harad, and Glen Rebello. "Experimental and Numerical Investigation of Latent Heat-Based Energy Storage System Using Nano-Enhanced Phase Change Material." In Recent Advances in Mechanical Engineering, pp. 559-571. Springer, Singapore, 2023.	9 Sept. 2022	https://doi.org/10.1007/978-981-19-2188-9_51	Scopus Book Chapter
5.	Badal Kudachi	Varkute Nilesh, Badal Kudachi, Shardul Kachare, Chintan Mange, JigarGandhi, and Harish Menon. "Thermal Analysis of Earth Tube Heat Exchanger Using Experimental Setup and Simulation." Recent Advances in Mechanical Engineering, pp. 445-454. Springer, Singapore, 2023.	9 Sept. 2022	https://doi.org/10.1007/978-981-19-2188-9_41	Scopus Book Chapter
6.	Badal Kudachi	Varkute, Nilesh, Badal Kudachi, Bipin Mashilkar, Priyan Kamble, Anmol Rane, Aishwarya Harad,	9 Sept. 2022	https://doi.org/10.1007/978-981-19-2188-9_51	Scopus Book

		and Glen Rebello. "Experimental and Numerical Investigation of Latent Heat-Based Energy Storage System Using Nano-Enhanced Phase Change Material." In Recent Advances in Mechanical Engineering, pp. 559-571. Springer, Singapore, 2023.			Chapter
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PAPERS PUBLISHED IN CONFERENCES

SH22

Sr. No.	Name of Faculty Member	Details of Papers Published	Date	Category
1.	Nilaj Deshmukh	Nilaj N Deshmukh, Afzal Ansari, Axin Samuel, "Investigation of Effect of Porous Material on Performance of Helmholtz Resonator", in Proc.1st International Conf. on Vibration Engineering, Science and Technology, Vashi, Navi Mumbai, India, Dec. 9-10, pp. 09	9-10 Dec 2022	
2.	Aqleem Siddiqui	Kamalesh Sasane, Aqleem Siddiqui, Shivam Kumar, Sabil Lopes, Sebastian Dsouza and Vishal Yadav "An Investigation On Addition of HHO Gas in Gasoline Engine." 3rd Biennial International Conference on Future Learning Aspects of Mechanical Engineering (FLAME - 2022) , Amity School of Engineering & Technology, Amity University Uttar Pradesh, Noida 3rd – 5th August 2022	3-5 Aug 2022	
3.	Aqleem Siddiqui	Kamlesh Sasane , Dr. Aqleem S ,Suryateja, Shanto Mathai, Quirenius Mendonsa and Aldrin Rego ““Design and Development of Semi - Automated Manual Transmission.” , 3rd International Conference on Recent Advances in Mechanical Engineering Research and Development (ICRAMERD-22) 12th -13th August 2022.	12-13 Aug 2022	
4.	Pallavi Khaire	Khaire Pallavi, Phalle V. M. (2022), Fault Diagnosis of Journal Bearing,1st International Conference on Vibration Engineering Science and Technology (INVEST 2022)-2022, Council of Vibration Specialists and FCRIT, Navi Mumbai, Dec. 9-10,2022, pp 7.	9-10 Dec 2022	
5.	Shamim Pathan	S. Pathan, M. Kshetrimayum,V. Menezes, C. S. Yerramalli, " Direct Skin Friction Measurement on Hypersonic Models", Nineteenth International Conference on Flow Dynamics (ICFD2022), Sendai, Japan. Nov 9-11,2022" in Proc. 19th International Conference on Flow Dynamics (ICFD2022), sendai, Japan. Nov9-11,2022, PP 647.	9-11 Nov 2022	
6.	Shamim Pathan	Shamim S Pathan, Mahesh Chate, Praseed Kumar, "Experimental and Simulation Study of Transmissibility of Isolation Material", in Proc.1st International Conf. on Vibration Engineering, Science and Technology, Vashi, Navi Mumbai, India, Dec. 9-10, pp. 09	9-10 Dec 2022	
7.	Praseed Kumar	Shamim S Pathan, Mahesh Chate, Praseed Kumar, "Experimental and Simulation Study of Transmissibility of Isolation Material", in Proc.1st International Conf. on Vibration Engineering, Science and Technology, Vashi, Navi Mumbai, India, Dec. 9-10, pp. 09	9-10 Dec 2022	
8.	Kamlesh Sasane	Kamalesh Sasane, Aqleem Siddiqui, Shivam Kumar, Sabil Lopes, Sebastian Dsouza and Vishal Yadav "An Investigation On Addition of HHO Gas in Gasoline Engine." 3rd Biennial International Conference on Future Learning Aspects of Mechanical Engineering (FLAME - 2022) , Amity School of Engineering & Technology, Amity University Uttar Pradesh, Noida 3rd – 5th August 2022	3-5 Aug 2022	

9.	Kamlesh Sasane	Kamlesh Sasane, Tejas Subodh Patil, Kapil Mahadev Patil, Stephan Nadar and Savio Thaikadan "Experimental evaluation of Jominy end quench test using various quenching mediums.", 3rd Biennial International Conference on Future Learning Aspects of Mechanical Engineering (FLAME-2022), Amity School of Engineering & Technology, Amity University Uttar Pradesh, Noida, 3rd – 5th August 2022	3-5 Aug 2022	
10.	Kamlesh Sasane	Kamlesh Sasane , Dr. Aqleem S ,Suryateja, Shanto Mathai, Quirenius Mendonsa and Aldrin Rego ""Design and Development of Semi - Automated Manual Transmission." , 3rd International Conference on Recent Advances in Mechanical Engineering Research and Development (ICRAMERD-22) 12th -13th August 2022.	12-13 Aug 2022	
11.	Nilesh Varkute	Badal Kudachi, Bipin Mashilkar, Nilesh Varkute, Omkar Mawalankar, Ashish Shanbhag, Shalom Gaikwad, Antony Maria Camillus, "Experimental Study of PCM Based Latent Heat Thermal Energy StorageSystem Using Fins", in Proc. 8th International Conference on Advances in Energy Research, Department of Energy Science and Engineering, Indian Institute of Technology Bombay, July 7-9, 2022	7-9 July 2022	
12.	Nilesh Varkute	Badal Kudachi, Nilesh Varkute, Roshin Saviour Robinson, Parth Sachin Sawant, Shaikh Adnan Ahmed and Sanchart Raina, "Experimental Study of VariousProperties of Nano Enhanced Phase Change Materials", in Proc. International Conference on Sustainability: Integrated and Scientific Approach, Mumbai, India, Aug. 4-6, 2022	6-8 Aug 2022	
13.	Bipin Mashilkar	Badal Kudachi, Bipin Mashilkar, Nilesh Varkute, Omkar Mawalankar, Ashish Shanbhag, Shalom Gaikwad, Antony Maria Camillus, "Experimental Study of PCM Based Latent Heat Thermal Energy StorageSystem Using Fins", in Proc. 8th International Conference on Advances in Energy Research, Department of Energy Science and Engineering, Indian Institute of Technology Bombay, July 7-9, 2022	7-9 July 2022	
14.	Badal Kudachi	Badal Kudachi, Bipin Mashilkar, Nilesh Varkute, Omkar Mawalankar, Ashish Shanbhag, Shalom Gaikwad, Antony Maria Camillus, "Experimental Study of PCM Based Latent Heat Thermal Energy StorageSystem Using Fins", in Proc. 8th International Conference on Advances in Energy Research, Department of Energy Science and Engineering, Indian Institute of Technology Bombay, July 7-9, 2022	7-9 July 2022	
15.	Badal Kudachi	Badal Kudachi, Nilesh Varkute, Roshin Saviour Robinson, Parth Sachin Sawant, Shaikh Adnan Ahmed and Sanchart Raina, "Experimental Study of VariousProperties of Nano Enhanced Phase Change Materials", in Proc. International Conference on Sustainability: Integrated and Scientific Approach, Mumbai, India, Aug. 4-6, 2022	6-8 Aug 2022	
16.	Afzal Ansari	Nilaj N Deshmukh, Afzal Ansari, Axin Samuel, "Investigation of Effect of Porous Material on Performance of Helmholtz Resonator", in Proc.1st International Conf. on Vibration Engineering, Science and Technology, Vashi, Navi Mumbai, India, Dec. 9-10, pp. 09	9-10 Dec 2022	

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1.	Journal Publications	06
2.	Conference Publications	09

PAPERS PUBLISHED IN JOURNALS

FH22

Sr. No.	Name of Faculty Member	Details of Papers Published	Date	DOI	Indexing Category
1.	S.M. Khot	Amey Marathe, S. M. Khot and J. Nagler, "Development of Low-Cost Optimal Magneto-rheological Damper for Automotive Application", Journal of Vibration Engineering & Technologies, Vol. 10, 2523-3939, 2022	11 April 2022	https://doi.org/10.1007/s42417-022-00486-z	Scopus
2.	Sanjay Rukhande	Sanjay W Rukhande and Nikhil Kunder, "Tribological investigation of HVOF sprayed Ni-based coatings on SS 316L in water-cooled nuclear reactor", Materials Today: Proceedings, published online 24 February 2022	24 Feb 2022	https://doi.org/10.1016/j.matpr.2022.02.210	Scopus
3.	Sanjay Rukhande	Sanjay W Rukhande, W. S. Rathod, and Digvijay Bhosale, "Ni-based coating protection of 316L stainless steel at dry, elevated temperature and wet sliding condition", Materials Today: Proceedings, Elsevier, March 2022.	9 March 2022	https://doi.org/10.1016/j.matpr.2022.02.584	Scopus
4.	Sanjay Rukhande	Sanjay W Rukhande, Swaraj Gujar and Rathod, W.S. "Sliding Wear Investigation of Ni-Based Coating and SS 316L for Hydraulic Fracturing Tools in Water-Diesel Condition", Journal of Failure Analysis and Prevention, Springer Nature, 25 February 2022.	22 March 2022	https://doi.org/10.1007/s11668-022-01370-4	Scopus
5.	Prasad Bari	Bari P., and Karande P., "Ranking of sequencing rules in a job shop scheduling problem with preference selection index approach", Journal of Decision Analytics and Intelligent Computing, vol. 2, Issue 1, pp. 12-25, 2022	28 April 2022	https://doi.org/10.31181/jdaic10028042022b	CROSSREF / ROAD
6.	Praseed Kumar	Jovan Menezes, Shubhankar Das, Bhavik Panchal, Nitesh P Yelve, Praseed Kumar, "Mapping, Trajectory, Planning and Navigation for Hexapod Robots using ROS", Lecture Notes in Mechanical Engineering, Vol.2, pp 851-867, 2022	15 May 2022	https://doi.org/10.1007/978-981-16-2794-1_76	Book Chapter (Springer) Scopus

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Sr. No.	Name of Faculty Member	Details of Papers Published	Date	Indexing Category
1.	Nilaj Deshmukh	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, doi: 10.1088/1757-899X/1259/1/012002.	27-28 May 2022	Web of Science
2.	Kshirsagar Nanaji	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.	16-17 March 2022	Scopus
3.	Pallavi Khaire	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	15-19 May 2022	Scopus
4.	Pallavi Khaire	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	23-26 May 2022	Scopus
5.	Praseed Kumar	Konduru S Harish Raju, Nanaji Kshirsagar and 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, Raipur, India, March 16-17, 2022.	16-17 March 2022	Scopus
6.	Deepak Devasagayam	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 Conference on Advances in Mechanical Engineering, Indian Institute of Technology, Ropar, Rupnagar, Punjab-140001, India. May 19-21, 2022, pp. 458-463	19 - 21 May 2022	Scopus
7.	Badal Kudachi	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 Conference on Advances in Mechanical Engineering, Indian Institute of Technology, Ropar, Rupnagar, Punjab-140001, India. May 19-21, 2022, pp. 458-463	19 -21 May 2022	Scopus

8.	Afzal Ansari	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, doi: 10.1088/1757-899X/1259/1/012002.	27-28 May 2022	Web of Science
9.	Sainath A. Waghmare	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.	9-11 June 2022	Scopus

SUMMARY OF PUBLICATIONS (SH21)

Sr.no.	Type of Publication	No. of Publications
1.	Journal Publications	06
2.	Conference Publications	10

PAPERS PUBLISHED IN JOURNALS

SH21

Sr. No.	Name of Faculty Member	Details of Papers Published	Date	DOI	Category
1.	Nilaj Deshmukh	Deshmukh NN, Ansari A, Kumar P, George AV, Thomas FJ, George MS., "Effect of position of radial air injection plane on control of thermo-acoustic instability using active closed-loop method", Journal of Vibration and Control, vol. 0, no. 0, pp 1-9, 2021. doi:10.1177/10775463211050175	14 Oct 2021	10.1177/10775463211050175	SCI/ Scopus/ Web of Science
2.	Aqleem Siddiqui	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.	30 July 2021	10.1109/ICNTE51185.2021.9487658	IEEE Xplore
3.	Sanjay Rukhande	Ganesh P. Bile, Sanjay W Rukhande and Walmik S. rathod. "Investigation of friction and sliding wear for journal bearing using Taguchi optimization", IEEE Explorer, 2021	30 July 2021	10.1109/ICNTE51185.2021.9487703	IEEE Xplore
4.	Praseed Kumar	Deshmukh NN, Ansari A, Kumar P, George AV, Thomas FJ, George MS., "Effect of position of radial air injection plane on control of thermo-acoustic instability using active closed-loop method", Journal of Vibration and Control, vol. 0, no. 0, pp 1-9, 2021. doi:10.1177/10775463211050175	14 Oct 2021	10.1177/10775463211050175	SCI/ Scopus
5.	Praseed Kumar	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.	30 July 2021	10.1109/ICNTE51185.2021.9487658	IEEE Xplore
6.	Afzal Ansari	Deshmukh NN, Ansari A, Kumar P, George AV, Thomas FJ, George MS., "Effect of position of radial air injection plane on control of thermo-acoustic instability using active closed-loop method", Journal of Vibration and Control, vol. 0, no. 0, pp 1-9, 2021. doi:10.1177/10775463211050175	14 Oct 2021	10.1177/10775463211050175	SCI/ Scopus

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1.	Sanjay Rukhande	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	09-11 Dec 2021	Scopus
2.	Sanjay Rukhande	Sanjay Rukhande, Swaraj Gujar, "The surface properties enhancement using coating: A Review", in 9th International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering, IIT, Ropar, India, December 9-11, 2021.	09-11 Dec 2021	Scopus
3.	Sanjay Rukhande	Sanjay W Rukhande, Nikhil Kunder "Tribological investigation of Nickel based coatings in water-cooled reactor", in 9th International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering, IIT, Ropar, December 9-11, 2021.	09-11 Dec 2021	Scopus
4.	Nilesh Varkute	Nilesh Varkute, Badal Kudachi, Bipin Mashilkar, Priyan Kamble, Anmol Rane, Aishwarya Harad, Glen Rebello, "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 Systems Engineering (CAMSE-2021) Conference, NIT Jalandhar, July 17-19, 2021	17-19 July 2021	Web of Science
5.	Nilesh Varkute	Nilesh Varkute, Badal Kudachi, Shardul Kachare, Chintan Mange, Jigar Gandhi, Harish Menon, "Thermal Analysis of Earth Tube Heat Exchanger Using Experimental Setup and Simulation", in Proc. 2nd International Congress on Advances in Mechanical and Systems Engineering (CAMSE-2021), NIT Jalandhar, Punjab, INDIA, July 17-19, 2021	17-19 July 2021	Scopus
6.	Bipin Mashilkar	Nilesh Varkute, Badal Kudachi, Bipin Mashilkar, Priyan Kamble, Anmol Rane, Aishwarya Harad, Glen Rebello, "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 Systems Engineering (CAMSE-2021) Conference, NIT Jalandhar, July 17-19, 2021	17-19 July 2021	Scopus
7.	Suvarna Rode	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	11-12 Sept 2021	Scopus

8.	Badal Kudachi	Nilesh Varkute, Badal Kudachi, Bipin Mashilkar, Priyan Kamble, Anmol Rane, Aishwarya Harad, Glen Rebello, "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 Systems Engineering (CAMSE-2021) Conference, NIT Jalandhar, July 17-19, 2021	17-19 July 2021	Scopus
9.	Badal Kudachi	Nilesh Varkute, Badal Kudachi, Shardul Kachare, Chintan Mange, Jigar Gandhi, Harish Menon, "Thermal Analysis of Earth Tube Heat Exchanger Using Experimental Setup and Simulation", in Proc. 2nd International Congress on Advances in Mechanical and Systems Engineering (CAMSE-2021), NIT Jalandhar, Punjab, INDIA, July 17-19, 2021	17-19 July 2021	Scopus
10.	Sainath A. Waghmare	S. A.Waghmare, "Ray Tracing based Target Shifting Strategy for Heliostat Field to Improve Solar Flux Distribution inside 1MW Cavity Receiver", Proceeding of International Conference on Energy Sciences (ICES-2021), M. G. University, Kerala, Dec. 2021.	10-12 Dec 2021	Scopus

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1.	S.M. Khot	M. M. Patil, P. Kumar, S. M. Khot and N. Satpute, "Characterization of Magneto-Rheological Damper," IEEE Xplore, pp. 1-5, 2021	30th July 2021	https://doi.org/10.1109/ICNTE51185.2021.9487576	IEEE Xplore/ Scopus
2.	S.M. Khot	S. M. Khot, N. P. Yelve and P. Kumar, "Investigation on Performances of Different types of Classical Controllers in Active Vibration Control," IEEE ,2021, pp. 1-6, 2021	30th July 2021	https://doi.org/10.1109/ICNTE51185.2021.9487586	IEEE Xplore
3.	Nilaj Deshmukh	Deshmukh, Ansari A., Sharvil Degwekar; Rohit nnikrishnan; Benson Thomas Paul, "Effects of Volume and Neck Length of Helmholtz Resonator on Thermo-acoustic Instability"	15-16 Jan. 2021	10.1109/ICNTE51185.2021.9487662	IEEE Xplore
4.	Nilaj Deshmukh	Deshmuk N.N., Sharma, S.D. "Different Experimental Approaches for Characterization of Thermo-acoustic Instabilities." J. Inst. Eng. India Ser. C (2021).	31 st March 2021	https://doi.org/10.1007/s40032-021-00670-2	Scopus
5.	Nitesh Yelve	S. M. Khot, N. P. Yelve and P. Kumar, "Investigation on Performances of Different types of Classical Controllers in Active Vibration Control," IEEE Xplore , 2021, pp. 1-6, 2021	30th July 2021	https://doi.org/10.1109/ICNTE51185.2021.9487586	IEEE Xplore
6.	Aqleem Siddiqui	Praseed Kumar; Aqleem Siddiqui; Ashay Ghadi; Denisa Tony; Stephen Rhenius; Saleel Rane , " Automated Seed Sowing Robot", IEEE Xplore , vol.2, pp. 1-4	30th July 2021	https://doi.org/10.1109/ICNTE51185.2021.9487573	IEEE Xplore

7.	Sanjay Rukhande	Sanjay W. Rukhande, W. S. Rathod & Digvijay Bhosale, "High-temperature tribological investigation of APS and HVOF sprayed NiCrBSiFe coatings on SS 316L", Tribology - Materials, Surfaces & Interfaces, DOI: 10.1080/17515831.2021.1898887	12 th April 2021	https://doi.org/10.1080/17515831.2021.1898887	Web of Science
8.	Sanjay Rukhande	S.W. Rukhande, W. S. Rathod and D. Bhosale, "Sliding Wear Investigation of Ni-based Coating for High-Temperature Application", Tribology in Industry, Vol. 43, No 2, pp. 247-258, , 2021	15 th June 2021	10.24874/ti.945.08.20.11	Web of Science
9.	Prasad Bari	P. Bari and P. Karande, "Application of PROMETHEE-GAIA method to priority sequencing rules in a dynamic job shop for single machine", Materials Today	10 th Feb 2021	https://doi.org/10.1016/j.matpr.2020.12.854 .	Scopus
10.	Prasad Bari	P. Bari and P. Karande, "Scheduling Problem in a Job-shop with Common Due Date to Minimize Cost and Makespan: Modeling Approach", Manufacturing Technology and Research (An International Journal) Vol. 13 ,no. 1-2, pp18-27, 2021	20th June 2021	http://nebula.wsimg.com/2b0190bf427c8ec71af8889cfd73ae8b?AccessKeyId=5F3CC2159ACF9F0B97B9&disposition=0&alloworigin=1	Scopus
11.	Praseed Kumar	Praseed Kumar; Aqleem Siddiqui; Ashay Ghadi; Denisa Tony; Stephen Rhenius; Saleel Rane , "Automated Seed Sowing Robot", IEEE Xplore , vol.2, pp. 1-4	30th July 2021	https://doi.org/10.1109/ICNTE51185.2021.9487573	IEEE Xplore
12.	Praseed Kumar	S. M. Khot, N. P. Yelve and P. Kumar, "Investigation on Performances of Different	30th July 2021	https://doi.org/10.1109/ICNTE51185.2021.9487	IEEE Xplore

		types of Classical Controllers in Active Vibration Control," IEEE ,2021, pp. 1-6, 2021		586	
13.	Praseed Kumar	P. Kumar, A. Siddiqui, A. Ghadi, D. Tony, S. Rhenius and S. Rane, "Damage Detection in beams using Vibration analysis and Artificial Neural Network," IEEE, pp. 1-5, 2021	30th July 2021	https://doi.org/10.1109/ICNTE51185.2021.9487658	IEEE Xplore
14.	Praseed Kumar	M. M. Patil, P. Kumar, S. M. Khot and N. Satpute, "Characterization of Magneto-Rheological Damper," IEEE Xplore, pp. 1-5, 2021	30th July 2021	https://doi.org/10.1109/ICNTE51185.2021.9487576	IEEE Xplore
15.	Badal Kudachi	Badal 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", Materials Today: Proceedings, 2021	26 th May 2021	https://doi.org/10.1016/j.matpr.2021.05.295	Scopus
16.	Nilesh Varkute	Badal 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", Materials Today: Proceedings, 2021	26 th May 2021	https://doi.org/10.1016/j.matpr.2021.05.295	Scopus
17.	Bipin Mashilkar	Badal 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	26 th May 2021	https://doi.org/10.1016/j.matpr.2021.05.295	Scopus

		storage", Materials Today: Proceedings, 2021			
18.	Afzal Ansari	Deshmukh, Ansari A., Sharvil Degwekar; Rohit nnikrishnan; Benson Thomas Paul, "Effects of Volume and Neck Length of Helmholtz Resonator on Thermo-acoustic Instability"	15-16 Jan. 2021	10.1109/ICNT E51185.2021.9487662	IEEE Xplore

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FH21

Sr. No.	Name of Faculty Member	Details of Papers Published	Date	Category
1.	S.M. Khot	Mrunalini M Patil, Praseed Kumar, S.M Khot, Nitin Satpute, " Characterization of Magneto-Rheological Damper", 4 th Biennial International Conference on Nascent	15-16 Jan 2021	Scopus
2.	S.M. Khot	S. M. Khot , Praseed Kumar, Jabez James , Atul Shenoy , Aditya Shende , Joel Thomas , "Automated Seed Sowing Robot" , in Proc. 4th Biennial International Conference on Nascent Technologies in Engineering , Vashi , India, Jan. 15-16 , 2021 , pp. 1-4	15-16 Jan 2021	IEEE Xplore
3.	Nilaj Deshmukh	N. N. Deshmukh, A. Ansari, S. Degwekar, R. Unnikrishnan and B. T. Paul, "Effects of Volume and Neck Length of Helmholtz Resonator on Thermo-acoustic Instability," 2021 4th Biennial International Conference on Nascent Technologies in Engineering (ICNTE), 2021, pp. 1-5, doi: 10.1109/ICNTE51185.2021.9487662.	15-16 Jan 2021	IEEE Xplore
4.	Mathewlal Thomas	Aditya Nair, Anurag Bhatkar, Blesson Biju, Aditya Shetty, Mathewlal Thomas, "Design and Development of a Smart Wheelchair" in Proc. 4th Biennial International Conference on Nascent Technologies in Engineering, Vashi, India, Jan. 15-16, 2021	15-16 Jan 2021	IEEE Xplore
5.	Sanjay Rukhande	Ganesh Bile, Sanjay W Rukhande, Walmik S Rathod, "Investigation of friction and sliding wear for journal bearing using Taguchi optimization", in 4 th Biennial International Conference on Nascent Technologies in Engineering, ICNTE- 2021, Vashi, Navi Mumbai, Jan. 15-16, 2021	15-16 Jan 2021	IEEE Xplore
6.	Sanjay Rukhande	Sanjay Rukhande, Walmik S Rathod, Digvijay Bhosale, "Ni-based coating protection of 316L stainless steel against sliding", in National Level Technical Paper Presentation Conference, VJTI, Mumbai, India, Feb. 7, 2021.	7 th Feb 2021	Scopus
7.	Aqleem Siddiqui	Praseed Kumar, Aqleem Siddiqui, Ashay Ghadi, Denisa Tony, Stephen Rhenius, and Saleel Rane , "Damage Detection in beams using Vibration analysis and Artificial Neural Network" , in Proc. 4 th Biennial International Conference on Nascent Technologies in Engineering ICNTE - 2021 4 th Biennial International Conference on Nascent Technologies in Engineering ICNTE " , Vashi , Navi Mumbai, India, Jan 15-16 , pp.650	15-16 Jan 2021	IEEE Xplore

8.	Aqleem Siddiqui	Aqleem Siddiqui, Girish Dalvi, Surabhi Chavan, "A Generalized Methodology to Plot Mode Shapes of the Curved Fixed-Fixed Beams using ANSYS® & MATLAB®", in Proc. 4th Biennial International Conference on Nascent Technologies in Engineering (ICNTE - 2021), Fr. C. Rodrigues Institute of Technology, Navi Mumbai, January 15-16, 2021.	15-16 Jan 2021	IEEE Xplore/ Book Chapter
9.	Praseed Kumar	Praseed Kumar, Aqleem Siddiqui, Ashay Ghadi, Denisa Tony, Stephen Rhenius, and Saleel Rane , "Damage Detection in beams using Vibration analysis and Artificial Neural Network" , Iin Proc. 4 th Biennial International Conference on Nascent Technologies in Engineering ICNTE - 20214 th Biennial International Conference on Nascent Technologies in Engineering ICNTE " , Vashi , Navi Mumbai, India, Jan 15-16 , pp.650	15-16 Jan 2021	IEEE Xplore
10.	Praseed Kumar	S. M. Khot , Praseed Kumar, Jabez James , Atul Shenoy , Aditya Shende , Joel Thomas , "Automated Seed Sowing Robot" , in Proc. 4th Biennial International Conference on Nascent Technologies in Engineering , Vashi , India, Jan. 15-16 , 2021 , pp. 1-4	15-16 Jan 2021	IEEE Xplore
11.	Praseed Kumar	Mrunalini M Patil, Praseed Kumar, S.M Khot, Nitin Satpute, " Characterization of Magneto-Rheological Damper", 4 th Biennial International Conference on Nascent Technologies in Engineering , Vashi , India, Jan. 15-16 , 2021 , pp. 1-4	15-16 Jan 2021	IEEE Xplore
12.	Girish Dalvi	Aqleem Siddiqui, Girish Dalvi, Surabhi Chavan, "A Generalized Methodology to Plot Mode Shapes of the Curved Fixed-Fixed Beams using ANSYS® & MATLAB®", in Proc. 4th Biennial International Conference on Nascent Technologies in Engineering (ICNTE - 2021), Fr. C. Rodrigues Institute of Technology, Navi Mumbai, January 15-16, 2021.	15-16 Jan 2021	IEEE Xplore
13.	Afzal Ansari	N. N. Deshmukh, A. Ansari, S. Degwekar, R. Unnikrishnan and B. T. Paul, "Effects of Volume and Neck Length of Helmholtz Resonator on Thermo-acoustic Instability," 2021 4th Biennial International Conference on Nascent Technologies in Engineering (ICNTE), 2021, pp. 1-5, doi: 10.1109/ICNTE51185.2021.9487662.	15-16 Jan 2021	IEEE Xplore

SUMMARY OF PUBLICATIONS (SH20)

Sr.no.	Type of Publication	No. of Publications
1.	Journal Publications	06
2.	Conference Publications	04

PAPERS PUBLISHED IN JOURNALS

SH20

Sr. No.	Name of Faculty Member	Details of Papers Published	Date	DOI	Category
1	Nitesh Yelve	F. Masurkar, K. Ming Ng, P. W. Tse, and N. P. Yelve, "Interrogating the health condition of rails using the narrowband Rayleigh waves emitted by an innovative design of non-contact laser transduction system", Structural Health Monitoring. November 2020. doi:10.1177/1475921720967600	2nd Nov 2020	10.1177/1475921720967600	Scopus/ Book Chapter
2	Sanjay Rukhande	D. G. Bhosale, T. R. Prabhu, W. S. Rathod, M. A. Patil, and S. W. Rukhande, "High temperature solid particle erosion behaviour of SS 316L and thermal sprayed WC-Cr 3 C 2 – Ni coatings," Elsevier , Wear, vol. 463, no. October, 2020.	21st Oct 2020	https://doi.org/10.1016/j.wear.2020.203520	Scopus
3	Sanjay Rukhande	D. G. Bhosale, W. S. Rathod, U. S. Ghorpade, and S. W. Rukhande, "Nickel alloy C-263 protection by WC-Cr3C2-Ni coatings against high- temperature wear in nuclear applications," Surfaces and Interfaces, vol. 21, no. August, p. 100689, 2020.	10th Sept 2020	10.1016/j.surfin.2020.100689	Scopus
4	Sanjay Rukhande	Sanjay W. Rukhande, Walmik S. Rathod, D. G. Bhosale "Dry sliding wear behaviour of HVOF sprayed NiCrBSiFe coating on SS 316L," Mater. Today Proc., vol. 1, no. 2, pp. 1–8, 2020.	18th Sept 2020	10.1016/j.matpr.2020.08.408	Scopus
5	Sanjay Rukhande	D. G. Bhosale, W. S. Rathod, and S. W. Rukhande, "Effect of counter faces on sliding wear behavior of WC-Cr3C2-Ni composite coating deposited by high velocity oxy fuel," Mater. Today Proc., no.1,2, 2020	22nd Sept 2020	10.1016/j.matpr.2020.08.466	Scopus
6	Nitesh Yelve	Sonal Chibire, Nitesh P. Yelve, and V.M. Chavan, "Evaluation of fracture toughness of precracked steel specimen using Split Hopkinson Pressure Bar", Lecture Notes in Mechanical Engineering, pp 611–622, 2021	2nd Oct 2020	10.1007/978-981-15-4779-9_42	Scopus/ Web of Science

PAPERS PUBLISHED IN CONFERENCES

SH20

Sr. No.	Name of Faculty Member	Details of Papers Published	Date	Category
1	Nitesh Yelve	Jovan Menezes, Shubhankar das, Bhavik Panchal, Nitesh Yelve and Praseed Kumar , Mapping, Trajectory Planning, and Navigation for Hexapod Robots Using ROS " , in Proc. 1 st International Conference on Energy, Materials Sciences and Mechanical Engineering, Oct. 30- Nov.1.	30 Oct -1 Nov 2020	Scopus
2.	Praseed Kumar	Jovan Menezes, Shubhankar das, Bhavik Panchal, Nitesh Yelve and Praseed Kumar , Mapping, Trajectory Planning, and Navigation for Hexapod Robots Using ROS " , in Proc. 1 st International Conference on Energy, Materials Sciences and Mechanical Engineering, Oct. 30- Nov.1.	30 Oct -1 Nov 2020	Scopus
3	Sanjay Rukhande	Sanjay W Rukhande, W. S. Rathod, Digvijay G Bhosale, "High-Velocity Oxy-Fuel Sprayed Ni-Based Coating For Isothermal Oxidation", in International Conference on Advancement & Futuristic Trends in Mechanical & Materials Engineering, IIT, Ropar, India, Dec. 19-20, 2020	19-20th Dec 2020	Scopus
4	Prasad Bari	P. Bari and P. Karande, "Cost Minimization in a Scheduling Problem with Unrestricted and Restricted Common Due Date" International Conference on Evolution in Manufacturing (ICEM 2020), MNIT, Jaipur, Dec 10-12, 2020	10-12th Dec 2020	Scopus

SUMMARY OF PUBLICATIONS (FH20)

Sr.no.	Type of Publication	No. of Publications
1.	Journal Publications	07
2.	Conference Publications	06

PAPERS PUBLISHED IN JOURNALS

FH20

Sr. No.	Name of Faculty Member	Details of Papers Published	Date	DOI	Category
1.	Nilaj D.	B. Kudachi, N. Satpute, N. N. Deshmukh, and B. Mashilkar, "Performance and Emission Characteristics of Thermal Barrier Coating on Diesel Engine Fueled with Cottonseed Biodiesel," in <i>Advances in Applied Mechanical Engineering</i> , 2020, pp. 205–213	2 nd Feb 2020	https://doi.org/10.1007/978-981-15-1201-8_24	Scopus/ Book Chapter
2.	Badal K.	B. Kudachi, N. Satpute, N. N. Deshmukh, and B. Mashilkar, "Performance and Emission Characteristics of Thermal Barrier Coating on Diesel Engine Fueled with Cottonseed Biodiesel," in <i>Advances in Applied Mechanical Engineering</i> , 2020, pp. 205–213	2 nd Feb 2020	https://doi.org/10.1007/978-981-15-1201-8_24	Scopus/ Book Chapter
3.	Bipin M.	B. Kudachi, N. Satpute, N. N. Deshmukh, and B. Mashilkar, "Performance and Emission Characteristics of Thermal Barrier Coating on Diesel Engine Fueled with Cottonseed Biodiesel," in <i>Advances in Applied Mechanical Engineering</i> , 2020, pp. 205–213	2 nd Feb 2020	https://doi.org/10.1007/978-981-15-1201-8_24	Scopus/ Book Chapter
4.	Nitesh Yelve	Peter Tse, Faez Masurkar, and Nitesh P. Yelve, "Estimation of remaining useful life of fatigued plate specimens using Lamb wave-based nonlinearity parameters", <i>Structural Control and Health Monitoring</i> , vol. 27, no. 4, 2020	31 st Jan 2020	https://doi.org/10.1002/stc.2486	SCI/Scopus/ Web of Science
5.	Sanjay Rukhande	Sanjay W. Rukhande and Walmik S. Rathod, "An isothermal oxidation behaviour of atmospheric plasma and high-velocity oxy-fuel sprayed nickel based coating", <i>Ceramic International</i> , Vol. 46, pp. 18498-18506	18 th April 2020	10.1016/j.ceramint.2020.04.155	SCI/Scopus/ Web of Science
6.	Sanjay Rukhande	Sanjay W. Rukhande & W. S. Rathod, "Tribological Behaviour of Plasma and HVOF-sprayed NiCrSiBFe Coatings", <i>Surface Engineering</i> , Vol. 36, no.7, pp. 745-755, 2020	24 th Feb 2020	10.1080/02670844.2020.1730062	SCI/Scopus

7.	Aqleem Siddiqui	Siddiqui Aqleem, Dalvi Girish, Patil Akshay, Chavan Surabhi, "Simulation Study on Effect of Variable Curvature on the Modal Properties of Curved Cantilever Beams"	30 th June 2020	https://doi.org/10.1007/978-981-15-3639-7_48	Scopus/ Book Chapter
8.	Girish Dalvi	Siddiqui Aqleem, Dalvi Girish, Patil Akshay, Chavan Surabhi, "Simulation Study on Effect of Variable Curvature on the Modal Properties of Curved Cantilever Beams"	30 th June 2020	https://doi.org/10.1007/978-981-15-3639-7_48	Scopus/ Book Chapter

PAPERS PUBLISHED IN CONFERENCES

FH20

Sr. No.	Name of Faculty Member	Details of Papers Published	Date	Category
1.	S. M. Khot	S. M. Khot, Nitesh.P. Yelve, and PraseedKumar, "Investigation on Performances of Different types of Classical Controllers in Active Vibration Control", In Proc. 4 th Biennial International Conference on Nascent Technologies in Engineering, Vashi, India, May 15-16, 2019, pp.480	15-16 Jan 2020	IEEE Xplore
2.	Nitesh.P. Yelve	S. M. Khot, Nitesh.P. Yelve, and PraseedKumar, "Investigation on Performances of Different types of Classical Controllers in Active Vibration Control", In Proc. 4 th Biennial International Conference on Nascent Technologies in Engineering, Vashi, India, May 15-16, 2019, pp.480	15-16 Jan 2020	IEEE Xplore
3.	Praseed Kumar	S. M. Khot, Nitesh.P. Yelve, and PraseedKumar, "Investigation on Performances of Different types of Classical Controllers in Active Vibration Control", In Proc. 4 th Biennial International Conference on Nascent Technologies in Engineering, Vashi, India, May 15-16, 2019, pp.480	15-16 Jan 2020	IEEE Xplore
4.	Aqleem Siddiqui	Siddiqui Aqleem, Dalvi Girish, Patil Akshay, Chavan Surabhi, "Simulation Study on Effect of Variable Curvature on the Modal Properties of Curved Cantilever Beams", in Proc. International Conference on Advances in Mechanical Engineering (ICAME-2020), VNIT, Nagpur, India, Jan. 10-11, 2020.	10-11 Jan 2020	Scopus/ Book Chapter
5.	Girish Dalvi	Siddiqui Aqleem, Dalvi Girish, Patil Akshay, Chavan Surabhi, "Simulation Study on Effect of Variable Curvature on the Modal Properties of Curved Cantilever Beams", in Proc. International Conference on Advances in Mechanical Engineering (ICAME-2020), VNIT, Nagpur, India, Jan. 10-11, 2020.	10-11 Jan 2020	Scopus/Book Chapter
6.	Suvarna Rode	Suvarna Rode, Akash Kadam, Kedar More, Franklin Fernandes, Gracewin Heber, "Design And Development of 3D Scanner" In Proc. 6nd International Conf. on Production and Industrial Engineering, Jalandhar, India, June 8-10, 2019	8-10 June 2019	--

SUMMARY OF PUBLICATIONS (SH19)

Sr.no.	Type of Publication	No. of Publications
1.	Journal Publications	09
2.	Conference Publications	12

PAPERS PUBLISHED IN JOURNALS

SH19

Sr. No.	Name of Faculty Member	Details of Papers Published	Date	DOI	Category
1	Nilaj Deshmukh	Nilaj Deshmukh, S.D. Sharma, Coefficient of Reyleigh Index Based Performance Evaluation of Radial Micro-Jet Injection Technique for Thermo-Acoustic Instability Control, Measurement, Elsevier, 151 (2020) 107245	06 th Nov 2019	https://doi.org/10.1016/j.measurement.2019.107245	SCI/Scopus/ Web of Science
2	Nitesh Yelve	Ng, Kim Ming, Faez Masurkar, W. Tse Peter, and Nitesh P. Yelve. "Design of a new optical system to generate narrowband guided waves with an application for evaluating the health status of rail material." Optics letters 44, no. 23 (2019): 5695-5698.	22 nd Nov 2019	https://doi.org/10.1364/OE.44.005695	SCI/Scopus/ Web of Science
3	Nitesh Yelve	Yelve, Nitesh P., Suvarna Rode, Pravin Das, and Pranav Khanolkar. "Some new algorithms for locating a damage in thin plates using lamb waves." Engineering Research Express 1, no. 1 (2019): 015027.	29 th Aug 2019	https://iopscience.iop.org/article/10.1088/2631-8695/ab3c17/meta	ESCI/Scopus
4	Suvarna Rode	Yelve, Nitesh P., Suvarna Rode, Pravin Das, and Pranav Khanolkar. "Some new algorithms for locating a damage in thin plates using lamb waves." Engineering Research Express 1, no. 1 (2019): 015027.	29 th Aug 2019	https://iopscience.iop.org/article/10.1088/2631-8695/ab3c17/meta	ESCI/Scopus
5	Nitesh Yelve	Masurkar, Faez, W. Tse Peter, and Nitesh P. Yelve. "Theoretical and experimental measurement of intrinsic and fatigue induced material nonlinearities using Lamb wavebased nonlinearity parameters." Measurement 151 (2020): 107148.	16 th Oct 2019	https://doi.org/10.1016/j.measurement.2019.107148	SCI/Scopus/ Web of Science
6	Nitesh Yelve	Khot, S. M., Nitesh P. Yelve, Praseed Kumar, Gaurav A. Purohit, and Deependra Singh. "Experimental investigation of performances of different optimal controllers in active vibration control of a cantilever beam." ISSS Journal of Micro and Smart Systems (2019): 1-11.	09 th Oct 2019	https://link.springer.com/article/10.1007/s41683-019-00040-2	IEEE Xplore

7	S.M.Khot	Khot, S. M., Nitesh P. Yelve, Praseed Kumar, Gaurav A. Purohit, and Deependra Singh. "Experimental investigation of performances of different optimal controllers in active vibration control of a cantilever beam." <i>ISSS Journal of Micro and Smart Systems</i> (2019): 1-11.	09 th Oct 2019	https://link.springer.com/article/10.1007/s41683-019-00040-2	IEEE Xplore
8	Praseed Kumar	Khot, S. M., Nitesh P. Yelve, Praseed Kumar, Gaurav A. Purohit, and Deependra Singh. "Experimental investigation of performances of different optimal controllers in active vibration control of a cantilever beam." <i>ISSS Journal of Micro and Smart Systems</i> (2019): 1-11.	09 th Oct 2019	https://link.springer.com/article/10.1007/s41683-019-00040-2	IEEE Xplore
9	Sanjay Rukhande	D. G. Bhosale, W. S. Rathod, and S. W. Rukhande, "Sliding wear behavior of high velocity oxy-fuel sprayed WC-Cr ₃ C ₂ -Ni coating for automotive applications," <i>Mater. Today Proc.</i> , pp. 1–5, 2019.	7 th Aug 2020	10.1016/j.matpr.2019.07.609	Scopus

PAPERS PUBLISHED IN CONFERENCES

SH19

Sr. No.	Name of Faculty Member	Details of Papers Published	Date	Category
1.	Badal Kudachi	Badal Kudachi, Nilesh Varkute, Bipin Mashilkar, Srikant Guthula, Prabhav Jayprakash, Alex Aaron, Simran Joy, Experimental and Computational Study of Phase Change Material Based Shell and Tube Heat Exchanger for Energy Storage, IMEC, NIT Trichy, 2019.	29-Nov to 01-Dec 2019	Scopus
2.	Nilesh Varkute	Badal Kudachi, Nilesh Varkute, Bipin Mashilkar, Srikant Guthula, Prabhav Jayprakash, Alex Aaron, Simran Joy, Experimental and Computational Study of Phase Change Material Based Shell and Tube Heat Exchanger for Energy Storage, IMEC, NIT Trichy, 2019.	29-Nov to 01-Dec 2019	Scopus
3.	Bipin Mashilkar	Badal Kudachi, Nilesh Varkute, Bipin Mashilkar, Srikant Guthula, Prabhav Jayprakash, Alex Aaron, Simran Joy, Experimental and Computational Study of Phase Change Material Based Shell and Tube Heat Exchanger for Energy Storage, IMEC, NIT Trichy, 2019.	29-Nov to 01-Dec 2019	Scopus
4.	Kamlesh Sasane	Kamlesh Sasane, Ram Bhosale, Shamim Pathan, Praseed Kumar, "Vibration analysis of Quarter car model with conventional and Force – Voltage analogy", IMEC, NIT Trichy, 2019.	29-Nov to 01-Dec 2019	SCI/Scopus
5.	Shamim Pathan	Kamlesh Sasane, Ram Bhosale, Shamim Pathan, Praseed Kumar, Vibration analysis of Quarter car model with conventional and Force – Voltage analogy, IMEC, NIT Trichy, 2019.	29-Nov to 01-Dec 2019	SCI/Scopus
6.	Praseed Kumar	Kamlesh Sasane, Ram Bhosale, Shamim Pathan, Praseed Kumar, Vibration analysis of Quarter car model with conventional and Force – Voltage analogy, IMEC, NIT Trichy, 2019.	29-Nov to 01-Dec 2019	SCI/Scopus
7.	Nitesh Yelve	Sonal Chibire, Nitesh P. Yelve, and Vivek M. Chavan, "Evaluation of fracture toughness of pre-cracked steel specimen using split Hopkinson pressure bar", in Proc. 3rd International Conference and Exhibition on Fatigue, Durability and Fracture Mechanics, Belagavi, India, Aug. 29-31, 2019	29-31 Aug 2019	Scopus

8.	Nanaji Kshirsagar	S. Dattatraya, N. Kshirsagar, K. Mandar, D. Avnish, V. Vipin, L. Yohann, and S. Noel, "Design and kinematic optimization of self balanced reciprocating mechanism", International Conference on Design, Materials and Manufacture, Surathkal, India, Dec. 6-8, 2019	6-8 Dec 2019	Scopus
9.	Deepak Devasagayam	Deepak Devasagayam, Ajinkya Shende, Aldrick Gonsalves, Kaustubh Padalkar and Vinit Rodrigues, "Design and Development of Fruit Sorting and Packaging Machine" in Proc. 5th International Conference on Industrial Engineering (ICIE-2019), Surat, India, Dec. 12-14, 2019, pp. 875-879	12-14 Dec 2019	Scopus
10.	Sanjay Rukhande	Sanjay Rukhande, W. S. Rathod, Digvijay Bhosale, "Dry Sliding Wear Behaviour of HVOF Sprayed NiCrSiBFe Coating on SS 316L" in 7th international conference on Advancement and Futuristic Trends in Mechanical and Materials Engineering , IIT, Ropar, Dec. 5- 7, 2019	5-7 Dec 2019	Scopus
11.	Sanjay Rukhande	Sanjay W Rukhande. Walmik S Rathod, Digvijay G Bhosale, "Tribo-Behaviour of Plasma and HVOF Sprayed NiCrSiBFe Coating on SS 316L" in an international conference "ICMPT-2019",IIT, Madras, Chennai, India, July 11-13, 2019.	11-12 July 2019	Scopus
12.	Sanjay Rukhande	Sanjay W Rukhande, Digvijay Bhosale, Walmik S Rathod, "Effect of Counter faces on Sliding Wear Behaviour of WC-Cr3C2- Ni composite coating deposited by High Velocity Oxy Fuel" in an international conference "AFTMME-2019",7th international conference on Advancement and Futuristic Trends in Mechanical and Materials Engineering, IIT, Ropar, Dec. 5-7, 2019	5-7 Dec 2019	Scopus

SUMMARY OF PUBLICATIONS (FH19)

Sr.no.	Type of Publication	No. of Publications
1.	Journal Publications	02
2.	Conference Publications	35

PAPERS PUBLISHED IN JOURNALS

FH19

Sr. No.	Name of Faculty Member	Details of Papers Published	Date	DOI	Category
1	Nilaj D.	Hirein Prajapati, Nilaj Deshmukh., , “Design And Development of Thin Wire Sensor for Transient Temperature Measurement” Elsevier, Measurements, 140, July 2019, 582-589	July 2019	https://doi.org/10.1016/j.measurement.2019.04.020	SCI/Scopus/ Web of science
2	Nitish Yelve	Yogesh S. Andhale, Faez. A. Masurkar, and Nitish. P. Yelve, “Localization of damages in plain and riveted aluminium specimens using Lamb waves”, International Journal of Acoustics and Vibration, vol. 24,no. 1, pp. 150–165, 2019	15 March 2019	https://doi.org/10.20855/ijav.2019.24.11485	SCI/Scopus/ Web of science

PAPERS PUBLISHED IN CONFERENCES

FH19

Sr. No.	Name of Faculty Member	Details of Papers Published	Date	Page Nos.
1	Nilaj D.	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) organized by Fr. C. Rodrigues Institute of Technology, Vashi, Jan 4-5, 2019	Jan 4-5, 2019	IEEE Xplore
2	Nilaj D.	Nilaj D. "Suppression of Thermo-Acoustic Instabilities by Passive Approach", 2nd Symposium on Nascent Technologies in Aerospace Engineering and Aviation Systems (AAKASH 2019) organized by The Aeronautical Society of India (Mumbai Branch), Fr. C. Rodrigues Institute of Technology, and Thakur Institute of Aviation Technology, Kandivali, India, March 30, 2019.	30 March 2019	IEEE Xplore
3	Nilaj D.	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.	4-5 Jan 2019	IEEE Xplore
4	Nilaj D.	Badal Kudachi, Nitin Satpute, Nilaj N 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.	2-4 May 2019	Scopus
5	Nilaj D.	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), 2-4 May 2019 at NIT Warangal.	2-4 May 2019.	Scopus
6	Nilaj D.	N. N. Deshmukh, S. J. Chauhan, and S. S. Nair, "Optimization of Acoustic Wave for Process Equipment Cleaning using Design of Experiments," in 2019 International Conference on Nascent Technologies in Engineering (ICNTE), Jan. 2019, pp. 1-5,	4-5 Jan 2019	IEEE Xplore

7	Badal K.	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.	4-5 Jan 2019	IEEE Xplore
8	Badal K.	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), IEEE, 4-5 Jan 2019.	4- 5 Jan 2019	IEEE Xplore
9	Bipin M.	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), IEEE, 4-5 Jan 2019.	4- 5 Jan 2019	IEEE Xplore
10	Bipin M.	Badal Kudachi, Nitin Satpute, Nilaj N 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.	2-4 May 2019	Scopus
11	Badal K.	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, pp-46, 18-19 Jan 2019.	18-19 Jan 2019	Scopus
12	Badal K.	Badal Kudachi, Nitin Satpute, Nilaj N 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.	2-4 May 2019	Scopus
13	Prasad Bari	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 th & 5 th January 2019	4-5 January 2019	IEEE Xplore

14	Pallavi Khaire	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” CPIE 2019, 8-10 June 2019	8 – 10 June 2019	Scopus
15	Girish Dalvi	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” CPIE 2019, 8-10 June 2019	8 – 10 June 2019	Scopus
16	Nilesh Varkute	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” CPIE 2019, 8-10 June 2019	8 – 10 June 2019	Scopus
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20	Aqleem Siddiqui	Shreyas A., Agnel T., Leslie F., RohanJ.,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.	2-4 May 2019	Scopus
21	Kamlesh Sasane	Shreyas A., Agnel T., Leslie F., RohanJ.,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.	2-4 May 2019	Scopus
22	Shamim P.	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),2-4 May 2019 at NIT Warangal.	2-4 May 2019	Scopus

23	Praseed K.	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),2-4 May 2019 at NIT Warangal.	2-4 May 2019	Scopus
24	Kamlesh Sasane	Audrey C., Kamlesh S., Shamim P., Bipin M.,"Need for change in the attitude in sterotyping professional fields like Engineering, as being gender specific" RWTE-2019, NIT Warangal, 8-9 March 2019	8-9 March 2019	--
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26	Bipin M.	Audrey C., Kamlesh S., Shamim P., Bipin M.,"Need for change in the attitude in sterotyping professional fields like Engineering, as being gender specific" RWTE-2019, NIT Warangal, 8-9 March 2019	8-9 March 2019	--
27	Sanjay R.	Sanjay Rukhande, "Investigation of Disc Brake Squeal using FE simulation and Experimentation", National Conference on Sustainable Manufacturing and Waste Management, SCOE, Kharghar	16 April 2019	Scopus
28	Nitesh Yelve	Nitesh P. Yelve and Jackson A Mudaliar, "Localizationof damage in an Aluminium plate using Lamb wave-based ultrasonic testing and Genetic algorithm", in Proc. 3rd International Conf. on Nascent Technologies in Engineering, Navi Mumbai, India, Jan. 4-5, 2019	4-5 Jan 2019	IEEE Xplore
29	Nitesh Yelve	Nitesh P. Yelve and Nikhil M. Gorhe, "Lamb wave-based damage detection inaluminium plate using minimum number of transducers", in Proc. 3rd International Conf. on Nascent Technologies in Engineering, Navi Mumbai, India, Jan. 4-5, 2019	4-5 Jan 2019	IEEE Xplore
30	Nitesh Yelve	Nitesh P. Yelve and Siddhesh B. Chavare, "Liquidlevel sensing using Lamb waves", in Proc. 3rd International Conf. on NascentTechnologies in Engineering, Navi Mumbai, India, Jan. 4-5, 2019	4-5 Jan 2019	IEEE Xplore
31	Nitesh Yelve	Chirag G. Wani, Sanjay Rukhande, and Nitesh P. Yelve, "Vibration-based detection of damage in fixed-fixed I-beam using Particle Swarm Optimization", in Proc. 3rd International Conf. on Nascent Technologies in Engineering, Navi Mumbai, India, Jan. 4-5, 2019	4-5 Jan 2019	IEEE Xplore

32	Mathewlal Thomas	Mathewlal Thomas, Anurag Bhatkar, Aditya Nair, Blesson Biju, Aditya Shetty, "Design and Analysis of the Frame of Smart Wheelchair" in ICNTE 2019, Vashi, Navimumbai, India, Jan. 4-5, 2019, 978-1-5386-9166-3/19/\$31.00 ©2019 IEEE	4-5 Jan 2019	IEEE Xplore
33	Nilesh Varkute	Nilesh Varkute, Deepak Devasagayam, Atul Shenoy, Simon Fernandes, Pranav Chaulkar, Samuel Cerejo, Aashish Yadav, "Design, Fabrication & Testing of Cooling System for Multi-Junction CPV cells", in proc. of International Conf. on Nascent Technologies in Engineering (ICNTE), Navi Mumbai, India, Jan. 4-5, 2019, pp. 1-7	4-5 Jan 2019	IEEE Xplore
34	Bipin Mashilkar	Satpute, Nitin, Badal Kudachi, Jugulkar Lalitkumar Maikulal, Bipin Mashilkar, and Abhijeet R. Mali. "Implementation of Mechanical Motion Amplifier in Hybrid Shock Absorber with Linear Generator and Fluid Damper." In 2019 International Conference on Nascent Technologies in Engineering (ICNTE), pp. 1-6. IEEE, 2019.	4-5 Jan 2019	IEEE Xplore
35	Badal Kudachi	Satpute, Nitin, Badal Kudachi, Jugulkar Lalitkumar Maikulal, Bipin Mashilkar, and Abhijeet R. Mali. "Implementation of Mechanical Motion Amplifier in Hybrid Shock Absorber with Linear Generator and Fluid Damper." In 2019 International Conference on Nascent Technologies in Engineering (ICNTE), pp. 1-6. IEEE, 2019.	4-5 Jan 2019	IEEE Xplore

SUMMARY OF PUBLICATIONS (SH18)

Sr.no.	Type of Publication	No. of Publications
1.	Journal Publications	01
2.	Conference Publications	01

PAPERS PUBLISHED IN JOURNAL

SH18

Sr. No.	Name of Faculty Member	Details of Papers Published	Date	DOI	Category
1	Nitish Yelve	Faez Masurkar, Peter Tse, and Nitish P. Yelve, "Investigating the critical aspects of evaluating the material nonlinearity in metal plates using Lamb waves: Theoretical and numerical approach", Applied Acoustics, vol. 140, pp. 301–314, 2018	21 Nov 2018	https://doi.org/10.1016/j.apacoust.2018.06.015	Scopus

PAPERS PUBLISHED IN CONFERENCE

SH18

Sr. No.	Name of Faculty Member	Details of Papers Published	Date	Category
1	Sanjay R.	Sanjay R., "Tribological Behavior of Thermally Sprayed Coating- a review" in an international conference "TRIBO INDIA 2018", Organized by Veermata Jijabai Institute of Technology, Matunga, Mumbai during 13 December to 15 December 2018.	13-15 December 2018	Web of Science