

SUMMARY OF PUBLICATIONS (SH21)

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

PAPERS PUBLISHED IN JOURNALS

SH21

Sr. No.	Name of Faculty Member	Details of Papers Published	Date	DOI
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 th October 2021	10.1177/1077546 3211050175
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 th July 2021	10.1109/ICNTE5 1185.2021.94876 58
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 th July 2021	10.1109/ICNTE5 1185.2021.94877 03
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 th October 2021	10.1177/1077546 3211050175
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 th July 2021	10.1109/ICNTE5 1185.2021.94876 58
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 th October 2021	10.1177/1077546 3211050175

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SH21

Sr. No.	Name of Faculty Member	Details of Papers Published	Date
1.	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
2.	Sanjay Rukhande	Sanjay W Rukhande, Nikhil Kundar "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
3.	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
4.	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
5.	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
6.	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
7.	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

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PAPERS PUBLISHED IN JOURNALS

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Sr. No.	Name of Faculty Member	Details of Papers Published	Date	DOI
1.	Nilaj Deshmukh	Deshmukh, Ansari A., Sharvil Degwekar; Rohit Unnikrishnan; 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
2.	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
3.	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
4.	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 storage", Materials Today: Proceedings, 2021	26 th May 2021	https://doi.org/10.1016/j.matpr.2021.05.295
5.	Afzal Ansari	Deshmukh, Ansari A., Sharvil Degwekar; Rohit Unnikrishnan; 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

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1.	Nilaj Deshmukh	Deshmukh, Ansari A., Sharvil Degwekar; Rohit Unnikrishnan; Benson Thomas Paul, "Effects of Volume and Neck Length of Helmholtz Resonator on Thermo-acoustic Instability"	15-16 Jan. 2021
2.	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
3.	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
4.	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" , 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
5.	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
6.	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
7.	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	15-16 Jan 2021

		(ICNTE - 2021), Fr. C. Rodrigues Institute of Technology, Navi Mumbai, January 15-16, 2021.	
8.	Afzal Ansari	Deshmukh, Ansari A., Sharvil Degwekar; Rohit Unnikrishnan; Benson Thomas Paul, "Effects of Volume and Neck Length of Helmholtz Resonator on Thermoacoustic Instability"	15-16 Jan. 2021

PAPERS PUBLISHED IN CONFERENCES

SH20

Sr. No.	Name of Student Members	Details of Papers Published	Date
1	Jovan Menezes, Shubhankar das, Bhavik Panchal,	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

PAPERS PUBLISHED IN CONFERENCES

FH20

Sr. No.	Name of Student Members	Details of Papers Published	Date
1	Akash Kadam, Kedar More, Franklin Fernandes, Gracewin Heber	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

PAPERS PUBLISHED IN JOURNALS

SH19

Sr. No.	Name of Student Members	Details of Papers Published	Date	DOI
1	Pravin Das, and Pranav Khanolkar	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
2	Gaurav A. Purohit, and Deependra Singh.	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

PAPERS PUBLISHED IN CONFERENCES

SH19

Sr. No.	Name of Faculty Member	Details of Papers Published	Date
1	Srikant Guthula, Prabhav Jayprakash, Alex Aaron, Simran Joy	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
2	Sonal Chibire	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
3	D. Avnish, V. Vipin, L. Yohann, and S. Noel	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
4	Ajinkya Shende, Aldrick Gonsalves, Kaustubh Padalkar and Vinit Rodrigues	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

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FH19

Sr. No.	Name of Student Members	Details of Papers Published	Date	DOI
1	Hirein Prajapati	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
2	Yogesh S. Andhale, Faez. A. Masurkar	Yogesh S. Andhale, Faez. A. Masurkar, and Nitesh. 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

PAPERS PUBLISHED IN CONFERENCES

FH19

Sr. No.	Name of Student Members	Details of Papers Published	Date
1	Mohd. Azfar Rafiuddin Khan	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
2	Salmon Joy, Shaunak Phansalkar, Vishnu Pillai, Titus Thoma	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
3	S. S. Nair	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
4	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
5	Avnish Dubey, Harshit Singh, Mayank Upasani	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
6	Slyden R., Terrence P. Sagar P., Brean B.	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
7	Libin K, Edwin W., Abrar U., Marshal M	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	8 – 10 June 2019

		Networks” CPIE 2019, 8-10 June 2019	
8	Syju A., Mohd. Ibrahim, Abhishek S., Krishnakumar M.	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), 8 – 10 June 2019, NIT, Jalandhar	8 – 10 June 2019
9	Kedar more, Akash Kadam, Franklin Fernandes, Gracewin Heber	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), 8 – 10 June 2019, NIT, Jalandhar	8 – 10 June 2019
10	Ajith Nair, Shenon G., Jerome F., Poorva K.	Deepak D., Ajith Nair, Shenon G., Jerome F., Poorva K. ”Design and development of Laser wall syatem” International Conference on Production and Industrial Engineering (CPIE-2019), 8 – 10 June 2019, NIT, Jalandhar	8 – 10 June 2019
11	Shreyas A., Agnel T., Leslie F., Rohan J., Kamlesh S.	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.	2-4 May 2019
12	Jackson A Mudaliar	Nitesh P. Yelve and Jackson A Mudaliar, “Localization of 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
13	Nikhil M. Gorhe	Nitesh P. Yelve and Nikhil M. Gorhe, “Lamb wave-based damage detection in aluminium 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
14	Siddhesh B. Chavare	Nitesh P. Yelve and Siddhesh B. Chavare, “Liquid level sensing using Lamb waves”, in Proc. 3rd International Conf. on Nascent Technologies in Engineering, Navi Mumbai, India, Jan. 4–5, 2019	4-5 Jan 2019
15	Chirag G. Wani,	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

16	Anurag Bhatkar, Aditya Nair, Blesson Biju, Aditya Shetty	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
17	Atul Shenoy, Simon Fernandes, Pranav Chaulkar, Samuel Cerejo, Aashish Yadav	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