



Shri Vile Parle Kelavani Mandal's Institute of Technology, Dhule

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❖ EDUCATIONAL DETAILS

- 2017 : Ph.D. (Pursuing) in the Department of Mechanical Engineering from O. P. Jindal University, Punjipathra, Raigarh, Chhattisgarh, India. 496109
- 2016 : M. Tech. in the Department of Mechanical Engineering from G. H. Rasoni College of Engineering Nagpur (Autonomous), Maharashtra, India. 440016
- 2013 : B.E. in the Department of Mechanical Engineering from Pravara Rural College of Engineering, Loni AP: Loni Bk, Taluka-Rahata, District: Ahmednagar, Maharashtra, India. 413736

❖ PROFESSIONAL EXPERIENCE

- ❖ Assistant Professor in the department of Mechanical Engineering at Shri Vile Parle Kelavani Mandal's Institute of Technology, Dhule, from 07-06-2019 to till date.
- ❖ Assistant Professor in the department of Mechanical Engineering at G. H. Rasoni Institute of Engineering and Management, Jalgaon from 21-01-2017 to 25-05-2019.
- ❖ Assistant Professor in the department of Mechanical Engineering at Guru Nanak Institute of Technology, Nagpur from 23-08-2016 to 20-01-2017.

❖ RESEARCH PAPERS PRESENTED / PUBLISHED:

Sr. No.	Details of Publication	National/International	Publisher, Vol, Indexing, impact factor	Author (s) / Editor (s)
1	Paper Presentation: Development of Finned Tube Type Adsorber Bed for Adsorption Cooling System.	International Conference on Smart Technologies for Energy, Environmental & Sustainable Development. Venue: G. H. Rasoni College of Engineering (Autonomous), Nagpur (Maharashtra), India. Duration: 28th July 2018 to 29th July 2018.	First Online 03 July 2019 DOI: https://doi.org/10.1007/978-981-13-6148-7_52 Publisher Name: Springer, Singapore	Authors: Bhushan C. Behede, Uday S. Wankhede. Editors: Mohan Lal Kolhe, Pawan Kumar Labhasetwar, H. M. Suryawanshi.



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2	Paper Presentation: Review and Performance Investigation of Thermally Activated Rotary Desiccant Wheel Dehumidifier	International Conference on Thermal Engineering (ICTEA) 2019 Venue: Pandit Deendayal Petroleum University, Gandhinagar, Gujrat in collaboration with Ryerson University, Toronto, Canada. Duration: February 23-26, 2019.	Ryerson University Library, 350 Victoria St, Toronto, ON M5B 2K3, Canada	Authors: Bhushan C. Behede, Siddharth S. Chakrabarti, Uday S. Wankhede.
3	Paper Presentation: Development of Adsorption Cooling System for Vehicle Air Conditioning.	First International Conference on Advances in Mechanical Engineering 2016 (ICAME 2016). Venue: G H Raison College of Engineering (Autonomous), Nagpur (Maharashtra), India. Duration: 3 June 2016 to 4 June 2016	Advances in Mechanical Engineering (ICAME 2016). ISBN: 978-93-5265-488-8.	Bhushan C. Behede, Uday S. Wankhede
4	Paper Presentation: Design and Analysis of Fins.	6th National Conference on Technology & Innovations: Disrupting Businesses, Transforming Market. Venue: G. H. Raison Institute of Business Management, Jalgaon (NAAC Accredited "A" Grade.), Maharashtra, India. 425002. Duration: 22nd March, 2019.	G. H. Raison Institute of Business Management, Jalgaon	Bhushan C. Behede, Akshay Amrutkar, Amol Tade.
5	Paper Publication: Review of the Adsorption Cooling Technology and Design of an Adsorber Bed Heat Exchanger	International Journal of Latest Trends in Engineering and Technology	vol. 6, no. 4, pp. 1-9, 2016.	B. C. Behede and U. S. Wankhede
6	Paper Publication: Review of Designs of Adsorber Bed Heat Exchanger for Adsorption Refrigeration System	International Journal: International journal of innovations in engineering and science.	Innovative Scientific Publication, Nagpur vol. 2, no. 1, pp. 5-7, 2017. E-ISSN: 2456-3463.	H. D. Wagh, V. A. Patankar, and B. C. Behede
7	Paper Publication: Performance Analysis of Thermal Characteristics of Transient Heat Transfer through Finite Fins of Various Shape of Notches.	International Journal of Research and Scientific Innovations	Volume 6, Issue 1, pp. 56-61, ISSN: 2321-2705.	Aartee S. Lokhande, Bhushan C. Behede, Rajesh V. Dahibhate



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❖ Workshop / Seminars Attended

Sr. No.	Name of Workshops/Seminars	Venue	Duration
1	A UGC Approved Faculty Development Program under SWAYAM Initiative - Energy Conservation and Waste Heat Recovery . Obtained Marks: 76% 'ELITE' Tag (Qualifying Percentage: 40%).	NPTEL Online Certification Course Organized by IIT Kharagpur and funded by the Ministry of HRD, Govt. of India. Registration No.: NPTEL19ME60S41270048	(1 and 1/2 Week).
2	Faculty Development Program (FDP) – Advanced Welding Technology . Awarded A+ Grade	G. H. Rasoni Institute of Engineering and Management, Jalgaon (Maharashtra), India	29 Oct. 2018 to 31 Oct. 2018 (1/2 Week).
3	Short-Term Training Program (STTP) on Flexible Manufacturing Systems (FMS) .	G. H. Rasoni College of Engineering (Autonomous), Nagpur, Maharashtra, India, 440016	19 Nov. 2018 to 24 Nov. 2018 (1 Week)
4	A UGC Approved Faculty Development Program under SWAYAM Initiative. Heat Exchangers: Fundamentals and Design Analysis . Obtained Marks: 75% 'ELITE' Tag (Qualifying Percentage: 40%).	NPTEL Online Certification Course Organized by IIT Kharagpur and funded by the Ministry of HRD, Govt. of India. Registration No.: NPTEL18ME43S217501401810159376	(1 and 1/2 Week).
5	Short-Term Training Program (STTP) on Ecological and Energy Efficient Refrigeration and Air Conditioning Systems . Venue Duration:	: G. H. Rasoni College of Engineering and Management (Autonomous), Wagholi, Pune, Maharashtra, India.	7 June 2018 to 9 June 2018 (1/2 Week).
6	National Symposium – Recent Trends in Solar Energy Technologies . In Association with the Institution of Engineers and Solar Energy Society of India (SESI), New Delhi.	S. B. Jain Institute of Technology, Management and Research. Nagpur (Maharashtra), India	6 Jan. 2018 to 7 Jan. 2018 (2 Days).
7	Induction Program - Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMNMTT) . Funded by MHRD, Govt. of India.	Indian Institute of Technology, Bombay, Powai, Mumbai (Maharashtra), India	28 Nov. 2017 to 20 Dec. 2017 (23 Days).
8	Teacher Training Program - Pedagogy for Online and Blended Teaching-Learning Processes . IIT Bombay-FDP201X.	Remote center of IIT Bombay: GHRIEM, Jalgaon (Maharashtra), India	14 Sept. 2017 to 23 Nov. 2017 (10 Weeks).



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9	Teacher Training Program - Foundation Program in ICT for Education. IIT Bombay-FDP101X.	Remote center of IIT Bombay: GHRIEM, Jalgaon (Maharashtra), India.	3 Aug. 2017 to 7 Sept. 2017 (5 Weeks)
10	International Workshop - Advances in Mechanical Engineering.	Zeal College of Engineering and Research, Narhe, Pune (Maharashtra), India.	4 Jan. 2017 to 7 Jan. 2017 (1 Week).
11	Short Term Training Programme (STTP) - Emerging Trends in Mechanical Engineering.	Guru Nanak Institute of Technology, Nagpur (Maharashtra), India.	27 Dec. 2016 to 31 Dec. 2016 (1 Week).

❖ Book Published:-

Sr. No.	Title	Publisher Details	Date
1	Book Chapter: Development of Finned Tube Type Adsorber Bed for Adsorption Cooling System Book Name: Smart Technologies for Energy, Environment and Sustainable Development	Springer Nature Singapore Pte Ltd. 2019.	DOI: 10.1007/978-981-13-6148-7_52 Part of ISBN: 9789811361470 Part of ISBN: 9789811361487 Part of ISSN: 2522-5022 Part of ISSN: 2522-5030

❖ Special Achievements:

- ✓ **Silver Medal** in M. tech for achieving the first rank in Academics in the department of **Heat Power Engineering**
- ✓ **2nd rank** for Under-Graduate Level project in **DIPEX 2013**.

❖ Member of Professional Bodies:

Sr. No.	Name of Institution/ Society	Grade of Membership	Date of Election	Whether Still a member
01	International Association of Engineers (IAENG)	Life Member	Member ship number: 204831.	Yes



❖ EXTRA CO-CURRICULUM ACHIEVEMENT

- **GATE 2014:** Appeared in Mechanical Engineering (ME) paper set by IIT Kharagpur. Qualifying marks were 28.86 and I have scored 32.00 marks with AIR 21286. **Registration Number:** ME204706125.
- **Refrigeration and Air Conditioning:** NPTEL Online Certification Course Organized by **IIT Roorkee** and funded by the Ministry of HRD, Govt. of India. **Registration No.:** NPTEL17MM14S1570156. **Obtained Marks:** 72% 'ELITE' Tag (Qualifying Percentage: 40%).
- **Convective Heat Transfer:** NPTEL Online Certification Course Organized by **IISC Bangalore** and funded by the Ministry of HRD, Govt. of India. **Registration No.:** NPTEL18ME25S46700211810093662. **Obtained Marks:** 54% (Qualifying Percentage: 40%).
- **Heat Exchangers: Fundamentals and Design Analysis.** NPTEL Online Certification Course Organized by **IIT Kharagpur** and funded by the Ministry of HRD, Govt. of India. **Registration No.:** NPTEL18ME43S217501401810159376. **Obtained Marks:** 75% 'ELITE' Tag (Qualifying Percentage: 40%). This course is also to be considered as UGC Approved **One and Half Week Faculty Development Program** under SWAYAM Initiative.
- **Energy Conservation and Waste Heat Recovery.** NPTEL Online Certification Course Organized by **IIT Kharagpur** and funded by the Ministry of HRD, Govt. of India. **Registration No.:** NPTEL19ME60S41270048. **Obtained Marks:** 76% 'ELITE' Tag (Qualifying Percentage: 40%). This course is also to be considered as UGC Approved **One and Half Week Faculty Development Program** under SWAYAM Initiative.

❖ TECHNOLOGY PROFICIENCY

PLATFORMS	: Windows, Ubuntu, Linux
PROGRAMMING LANGUAGES	: C, C++, Scilab, Python
OFFICE TOOLS	: All Microsoft Office tools, LaTeX
DESIGN SOFTWARE	: CATIA V5 R19, AUTODESK 2018
ANALYSIS SOFTWARE	: ANSYS Fluent, R

❖ AREA OF INTEREST

AREA OF INTEREST	: Sorption refrigeration systems, Adsorption Cooling System (ADCS), Finned tube type heat exchanger, Chemical Dehumidification, Desiccants and their use in Dehumidification, Natural refrigerants, and their uses.
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