

BIO-DATA

Personal Details

Name	Sanjay Dagu Barahate
Date of Birth	June 2,1976
Address	Flat No. 3, Sejal Park, Janta Raja Colony, Makhamalabad Road, Panchavati, Nashik-424003.
Email	sdbarahate@kkwagh.edu.in sanjaybarahate@gmail.com
Telephone No	09850490855/ 09822329856
Language Known	English, Marathi and Hindi

Educational Qualifications

Degree / Certificate	Board/University	Institution	Year	Aggregate Score(CPI/ %age)
Ph. D.	Thermal and Fluid Engg., Mechanical Engg., Indian Institute of Technology, Bombay	Indian Institute of Technology, Bombay	July 2018	---
M. Tech (Energy Systems Engineering)	Indian Institute of Technology, Bombay	Indian Institute of Technology, Bombay	July 2004	8.87/10
E. A. (Energy Auditor)	Bureau of Energy Efficiency, Ministry of Power, Gov. of India	National Productivity Council, Chennai	Nov. 2006	63.83
B. E. (Mechanical Engineering)	North Maharashtra University, Jalgaon	Gangamai College of Engineering, Nagaon, Dhule (M.S.)	June 1998	65.21
H.S.C.	Nashik Divisional Board	S.S.V.P.S. Science College, Dhule	March 1994	76.33
S.S.C.	Pune Board	Janata Vidyalaya, Nimon	March 1992	83.00

Experience

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| <p>➤ K. K. Wagh Institute of Engineering Education and Research, Nashik</p> <p>➤ K. K. Wagh Institute of Engineering Education and Research, Nashik</p> <p>➤ K. K. Wagh Institute of Engineering Education and Research, Nashik</p> <p>➤ K. K. Wagh Institute of Engineering Education and Research, Nashik</p> <p>➤ K. K. Wagh Institute of Engineering Education and Research, Nashik</p> | <p>Working as Professor in Department of Mechanical Engineering from September 25, 2019.</p> <p>Worked as Associate Professor in Department of Mechanical Engineering from April 1, 2012 to September 24, 2019.</p> <p>Worked as Assistant Professor (Fifth Pay) in Department of Mechanical Engineering from August 19, 2018 to March 31, 2012</p> <p>Worked as Senior Lecturer in Department of Mechanical Engineering from July 1, 2007 to August 19, 201</p> <p>Worked as Lecturer in Department of Mechanical Engineering from July 8, 1999 To July 31, 2007.</p> |
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Workshops and Trainings attended

1. Workshop on “**Energy Conservation in Steam Engineering**” organised by Forbes Marshal at Pune during 27th – 29th Sep. 1999.
2. STTP on “**Wind Energy Conversion and Commercialisation**” Organised by Energy Centre, Maulana Azad NIT, Bhopal during 18th – 30th Dec. 2000.
3. Faculty Training Programme in Thermax at Pune Organised by MEDC, DTE and BTE during 25th -27th Oct 2005.
4. One day seminar on “Energy conservation and Management” organised by NIMA Nashik.
5. As Faculty of Advanced Training course in Energy Management and Audit of six months duration at K. K. Wagh Institute of Engineering Education and Research, Nashik.
6. Faculty Training Programme in HAL at Ozar (Nashik) Organised by MEDC, DTE and BTE during 14th -18th Oct 2006
7. QIP programme on Nano/Micro-Tribology conducted by IIT Bombay, Mumbai during 1-5 January 2007
8. As faculty for Induction Training Program for Junior Engineer of National Thermal Power Plant at Eklahare on energy audit.

9. Two day workshop on Recent Trends on Automobile Engineering organised by Department of Mechanical Engineering, K. K. Wagh Institute of Engineering Education and Research, Nashik.
10. Life Long Learning programme on “Adoption of energy efficient process technologies and energy management practices in automobile manufacturing sector and implementation of EC act 2001” organised by Bureau of Energy Efficiency, Ministry of Power, Government of India on 14 March 2008 at Pune.
11. AICTE sponsored One–week QIP Short Term course on “First Course in Computational Fluid Dynamics: Development, Application and Analysis (FCCFD-2018)” Organised by I I T Bombay during June 25-29, 2018
12. Life Long Learning programme on “Energy Management for Energy Efficiency in Pumps and Motors and Standards and Labelling” organised by Bureau of Energy Efficiency, Ministry of Power, Government of India on 21st September 2011 at Sumant Moolgaonkar Auditorium, Senapati Bapat Road, Pune.
13. One day workshop on “Best Practices in Energy Efficiency in Textile Sector” under Knowledge Exchange Platform organised by Raymond (Textile Division) on the behalf of Bureau of Energy Efficiency on 28th November 2015.
14. Two day workshop on “ Emerging Trends in Heat Transfer Engineering” Organised by MVPs KABT College of Engineering and sponsored by Savitribai Phule Pune University at Nashik on 4th and 5th February 2016.
15. Organised one day workshop for the students on “Recent Practices in Refrigeration Systems” under the ISHRAE chapter activities on 8th February 2018 at KKWIEER, Nashik
16. Organised Two days workshop for the students on “Recent Development in Power Sector (Policies and Technologies)” on 14th and 15th February 2018 at KKWIEER, Nashik.
17. Organised one day workshop for the students on “Advances in Heat Transfer” on 17th September 2018 at KKWIEER, Nashik.
18. Organised one day workshop for the students on “Advances in Heat Transfer” on 23th September 2019 at KKWIEER, Nashik.
19. Organised Two day online workshop for the students on “Advances in Heat Transfer” on 13th and 14th October 2021 at KKWIEER, Nashik
20. Attended Refresher course for Energy Auditor organised by Green Tree Mumbai on Behalf of Bureau of Energy Efficiency, New Delhi held on 23 /11/19 and 24/11/19
21. Attended AICTE-ISTE FDP on Bio-Energy: Technologies & Transitions organised by National Institute of Technology, Kurukshetra and Government Engineering College, Bikaner held during 18/05/2020 to 23/05/2020
22. Attended online Refrigeration week organised by ISHRAE Nashik Chapter held during 26/06/20 to 01/07/2020

23. Attended online workshop on Designing for Experience: Applying Design Thinking to Learning Organization organised by IQAC Cell of KKWIEER, Nashik held 17, 18 and 21 July 2020
24. Attended online workshop on ICT Tool Collaboration organised by IQAC Cell of KKWIEER, Nashik held on 01/06/2020 and 02/06/2020
25. Organised Two day online workshop for the students on “Advances in Heat Transfer” on 18th and 19th September 2020 at KKWIEER, Nashik.
26. Organised one day online course for Industry and Engineering Teacher on Concepts and Practices for Energy Efficiency Improvement at Department of Mechanical Engineering, KKWIEER, Nashik held on 7th November, 2020.
27. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Blended Learning and Flipped Classroom" from 2021-2-8 to 2021-2-12 at Sardar Vallabhbhai National Institute of Technology Surat.
28. Completed the AICTE-ISTE approved Orientation/Refresher Programme on “Emerging Trends in Refrigeration and Air-conditioning” held during 26.04.2021 to 01.05.2021 organized by College of Engineering, Pune, Maharashtra.
29. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Electric Vehicles (EV) Technologies" from 2021-06-28 to 2021-07-02 at Government Engineering College, Bhuj.
30. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Research and Innovation with 3D Printing" from 02/08/2021 to 06/08/2021 at Government College of Technology.
31. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "NEP 2020: Managing Change in Organisations" from 23/08/2021 to 27/08/2021 at Government College of Pharmacy, Karad.
32. Contributed in framing syllabus and participated in “Syllabus Implementation Workshop” for the course name of “Heat and Mass Transfer (302042)” on 27th July 2021 organised at the Department of Mechanical Engineering, Dr. D. Y. Patil Institute of Technology, Pimpri, Pune-18.
33. Completed the AICTE-ISTE approved Orientation/Refresher Programme on “Scope of IOT and Applications in Agriculture and Industry” held during 22.02.2021 to 27.02.2021 organized by Government College of Engineering and Research Awsari, Dist. Pune, Maharashtra.
34. Organised Online One Day workshop on Design and Development of Prototype on 27/03/2021 at Department of Mechanical Engineering, KKWIEER, Nashik.
35. Organised one day online course for Industry and Engineering Teacher on Concepts and Practices for Energy Efficiency Improvement at Department of Mechanical Engineering, KKWIEER, Nashik held on 7th November, 2020.
36. Organised Two day online workshop for the students on “Advances in Heat Transfer” on 13th and 14th October 2021 at KKWIEER, Nashik.

Resource person for workshops and Conferences

1. Delivered session on Vapour Absorption System in Refrigeration Week organised by ISHRAE Nashik Chapter on 29th June 2020
2. Delivered session on Film Cooling of Gas Turbine Blades in Two Day online workshop on heat Transfer on 14th August 2020 at Department of Mechanical Engineering at MVP's KBTCOE, Nashik
3. Delivered session on Energy Conservation in Pumps and Fans in one Day online workshop on Concepts and Practices for Energy Efficiency Improvement at Department of Mechanical Engineering, KKWIEER, on 7th November 2020
4. Delivered session on Energy Conservation in Pumps and Fans in one Day online workshop on Concepts and Practices for Energy Efficiency Improvement at Department of Mechanical Engineering, KKWIEER, on 30th October 2021
5. Worked as member of advisory committee for National Conference held at Department of Mechanical Engineering at MVP's KBTCOE, Nashik

NPTEL and other courses attended

1. Steam Power Plant Engineering
2. Fluid Mechanics
3. NBA Accreditation and Teaching –Learning in Engineering (NATE)
4. Experimental Design Basics (Coursera)

Papers Presented in National and International conferences/Journals.

1. Affordable Renewable Energy through Hybrid System, International Congress on Renewable Energy at Hyderabad during 8 -11 Feb. 2006, pp.513-517.
2. Enhancing Viability of Biomass Energy System: A case study of Jatropha, International Congress on Renewable Energy at Hyderabad during 8 -11 Feb. 2006, pp.441-446.
3. Energy stamps as tool for emissions reduction in small capacity engine systems : A case study from Maharashtra” in National conference on Advances in Energy Research (AER-06) at IIT Bombay, Mumbai, pp.428-431.
4. Net Energy Analysis of Sugarcane Based Ethanol: Does Sugarcane as a feedstock for ethanol make sense in India? International conference on advances in Energy Research-2007, at IIT Bombay, Mumbai. pp. 692-694.
5. Energy Stamps to discourage inefficient use of kerosene and reduce emissions from auto-rikshaws: a case-study from Maharashtra, India. Energy for sustainable development,, the journal of the International energy Initiative, Vol.11 issue 4, 2007, pp.74-77.
6. Effect of Excess Air on Efficiency of Boiler for different fuels, International Conference on Advances in Energy Research (ICAER) 2009, IIT Bombay, Mumbai (India), pp.344-349.
7. Study of Heat Losses from Cylindrical Cavity Receiver of Solar Concentrator.
Applied Mechanics & Materials, Trans Tech Publications, Switzerland, Vols. 541-542, 2014, pp. 996-1001.

8. Experimental Thermal Analysis of a Solar Cavity Receiver
International Energy Journal, 10, RERIC, 2009, pp.177-186.
9. Heat loss analysis of cavity receivers for solar concentrators
Proceedings of International Mechanical Engineering Conference 2004, Kuwait Society of Engineers, IMEC04-2012, pp.136-152, Kuwait during 5th-8th Dec. 2004
10. Effect of length to diameter ratio on film cooling over a flat plate with single and double row of injection, Proceedings of the 23rd National Heat and Mass Transfer Conference and 1st International ISHMT-ASTFE Heat and Mass Transfer Conference IHMTC2015, December 2015, Thiruvanthpuram, India, IHMTC2015-444. pp.1-8.
11. Investigation of film cooling performance for single row of holes embedded in normal trench, PGCon Mech Engg SPPU, Pune, 2017, pp.1-8.
12. Presented a paper entitled Film cooling performance measurement over a flat plate for a single row of holes embedded in an inclined trench , International Journal of Thermal Sciences, 150, 2020,106215.
13. Presented a paper entitled Effect Of Pitch To Diameter Ratio On Film Cooling Performance Of Reversed Injection Holes , International Journal of Mechanical and Production Engineering, Volume- 7, Issue-9, Sep.-2019,

Memberships of Scientific and professional Societies

1. Life Member of Indian Society of Technical Education (**ISTE**). Membership: LM41939
2. Life Member of Indian Society of Heating, Refrigerating and Air Conditioning Engineers (**ISHRAE**). Membership: 14717
3. Life Member of Indian Society for Heat and Mass Transfer (**ISHMT**), Membership:1239
4. Member of Indian Society of Mechanical Engineers (**ISME**). Membership:1020

Paper Reviewed

Sr. No.	Title	Authors	Journal	Publication	Month
1	Determination of Empirical Correlation between Inner Diameter and Outer Diameter of Liner of a Diesel Engine under Mechanically Distorted Condition.	Nilesh Balkishanji Totla, Chandrakant Prabhune , Narayan K Sane	International Journal of Ambient Energy	Taylor and Francis	8/7/2021
2	Experimental investigation to study combustion process and its effect on mineral oxides of cement (C ₂ S,C ₃ S,C ₄ AF,C ₃ A)	Jameel Al-Naffakh ¹ , Israa Jafar	MVP'S Journal	MVP'S Journal	April 2021
3	Condition Based Predictive Maintenance of Worm Gearbox Using DR Ferrography	Jitendra Bhata, Milind Desai, *Uday Bhapkar	Materials today Proceedings	Elsevier	8/7/2021
4	Theoretical study of LiBr-H ₂ O and Aqua-ammonia absorption refrigeration System	Dr. Virang H Oza	Vidyan Prakash-Research Journal of Science and Technology (Hindi)	UGC care Listed journal ISSN: 1549-523-X	10/07/2021

I hereby declare that all the information given above is true to the best of my knowledge and belief.

Date: November 10, 2020

Place: Nashik

(Dr. Sanjay Dagu Barahate)