

Curriculum Vitae

Name: Prof. (Dr.) **KECHE ASHOK JAYWANTRAO**

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Near Sanket Nursing Home, Behind Vishwa Karma Complex,
Shahnoormiya Dargah road Shahnoorwadi, Chhatrapati Sambhajanagar.



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Date of Birth: 01.06.1968

Academic Credentials

Class / Degree	Specialization	Institution	University	Year	% / CGPA	Class
Ph.D	Mechanical	NIT, Warangal (T.S.)	-----	2015	Successfully completed in May 2015	
M.E.	Mechanical Design	Govt. College of Engineering Aurangabad	Dr. B.A.M.U. Aurangabad	1999	61.31	First Division
B.E.	Production	J.N.E.C, Aurangabad	Marathwada University, Aurangabad	1991	66.67	Distinction

M.Tech Project

Title of Dissertation/ Thesis	Guide	University
Optimisation of Machine Tool Speed Box using Computer Aided Design	Prof. K .B. Bokankar	Dr. B.A.M.U, Aurangabad

Ph.D. Research

Title of Thesis	Guide	University
Modeling and Experimental Studies on an Improvised Downdraft Biomass Gasifier with Different Biomass Fuels	Prof. G. Amba Prasad Rao	NIT, Warangal (T.S.)

Key Research Areas

Biomass Gasification Process, Machine Design, and Non-Conventional Machining Processes

Experience

Industrial: 12 Years

Teaching: 21.8 Years

Sr. No.	Organization	Post	From	To	No. of Years
1	Bajaj Auto Ltd., Waluj, Aurangabad	Trainee Engineer	23/08/1991	23/08/1992	1 year
		Assistant Engineer (Grade S4)	24/08/1992	25/06/1994	1 year & 10 months
		Section Manager (Grade –O1)	26/06/1994	25/06/1997	3 years
		Section Manager & shift incharge (M.T.D. M/c Shop)	26/06/1997	25/06/2000	3 years
		Assistant Manager & shift in charge (M.T.D. M/cShop) (Grade – M1)	26/06/2000	13/09/2003	3 years & 3 months
2	MIT, Aurangabad	Lecturer	22/09/2003	14/12/2003	3 months
		Lect. & W/s.	31/01/2004	31/12/2007	4 years
		Sr. Lecturer & W/s.	1/01/2008	30/06/2008	6 months
3	Maharashtra Institute of Technology, Chhatrapati Sambhajnagar (Aurangabad)	Asst. Prof.& W/s.	1/07/2008	31/08/2011	3 year & 1 month
		Asso. Professor & W/s.	1/9/2011	6/9/2015	5 years
		Asso. Professor, M. Tech.Dept., and Central Coordinator	7/9/2015	7/07/2016	10 months
		Asso. Professor & HMED	8/07/2016	30/03/2025	8 years & 8 months
		Professor and HMED	1/04/2025	Till Date	-

List of Courses Taught at UG Level

1. Production Planning & Control
2. Mechanical Measurement
3. Mechanical Estimating & costing
4. Metrology and Quality control
5. Total Quality management

6. Industrial management.
7. Costing & Financial management
8. Industrial Management
9. Elements of Mechanical Engineering
10. Design of machine element – I
11. Design of machine element – II

List of Courses Taught at UG Level

1. Advanced Machine Design
2. Maintenance & Reliability Engineering
3. Non-Conventional Machining Processes

Additional Assignments/ Duties

- Presently holding the responsibility of Head of Mechanical Engineering Department at Maharashtra Institute of Technology, Aurangabad and during my tenure Institute has been accredited with ‘A’ grade by NAAC and Department has successfully defended for the Autonomy committee visit. UG Program - B. Tech in Mechanical Engineering has been accredited for three academic years by NBA.
- Working as V.C. (Nominee) for DRC and Research advisory committee at Research Center Mechanical Engineering Department. Maharashtra Institute of Technology, Chhatrapati Sambhajanagar.
- B. Tech in Mechanical Engineering (UG Program) received NBA accreditation for three academic years 2022-23 to 2025-26.
- Worked as M. Tech. Central Coordinator and M. Tech (Mech.) Departmental Coordinator.
- Worked as Paper setter / Co- examiner for Dr. B.A.M. University Examinations.
- Member of Syllabus setting committee, Appointed by Dr. B.A.M. University, Chhatrapati Sambhajanagar.
- University Examination, Administrative Work, Appointed by Dr. B.A.M. University, Chhatrapati Sambhajanagar.
- Worked as chairman for institute level project competition TechnoMind 2K18 on 25/10/2018.

Board of Studies and Editorial Board Member

- Member of Board of Studies of Mechanical Engineering at Rajarambapu Institute of Technology, Rajarnanagar, Islampur, Sangli, Maharashtra, India.
- Member of Board of Studies of Mechanical Engineering and Chairman of Curriculum Design under NEP 2020 at Dr. Babasaheb Ambedkar Marathwada University, Chhatrapati

Sambhajinagar.

- Editorial member of International Journal of Trends in Machine Design (STM –Journals).

Research Project Reviewed: 01

Membership of Professional Bodies

- Life member of Indian society for Technical Education (LM41086).
- Senior Member of Indian Institution of Industrial Engineering (SMIIE 10524 (23)).
- Fellow membership of the Indian Institute of Engineers (IES) F-123245-9.
- Life member of Quality Circle Forum of India (QCFI- 049926123859)

Research Projects/ Projects Guided

Sr. No.	Name of the Student	Dissertation Title	Year
1	Mr. Pavan M. Bhavare	Optimizing Thermal Efficiency in Helical Coil Heat Exchanger Using Computational Fluid Dynamics.	2023-2024
2	Mr. Pitale S.S.	Investigation on Effect of Vapor Smoothing Process in Trichloromethane (Chloroform) on the Surface Characteristics, Mechanical Properties and Chemical Structural of 3 D Printed Poly – Lactic-Acid (PLAs).	2023-2024
3	Mr. Abhijeet N. Borade	Fatigue Failure analysis of a Railwaywheel using FEA	2020-2021
4	Mr. Bhansali Kunal M.	Monitoring & Enhancing the Mechanical Properties of IS 1786 Structural Steel During its Conventional Manufacturing Process.	2019-2020
5	Ms. Manjiri S. Gajhas	Experimental Investigation and Design Analysis of Conventional and Composite Spur Gear using Finite Element Method.	2018-2019
6	Ms. Vrushali M. Shete	Process Parameters Optimization of Drip Pipe Extrusion Process using Taguchi Approach.	2018-2019
7	Anuradha J. Thakare	Durability Analysis of Engine Valve –Train Components by using Finite Element Method.	2018-2019
8	Mr. Chetan S. Kahate	Failure analysis of crank shaft using FEA Approach.	2017-2018
9	Mr. Amol M. Shinde	Optimization of windmill shaft of composite material.	2017-2018
10	Mr. Alankar B. Patni	Experimental investigation of tool shaped and size factor in EDM on AISI 316 Stainless	2017-2018

		steel.	
11	Mr. Sohel A. Shaikh	Study of cyclic oxidation and hot corrosion of 310 SS under the environmental impurities of Na ₂ SO ₄ +V ₂ O ₅ at different temperature.	2017-2018
12	Ms. Vishakha S. Jawale	Experimental performance study of R290 as an alternative to R22 refrigerant in a window air conditioner.	2017-2018
13	Mr. Sachin N. Avghad	Experimental Investigation to improve the start-up time of IC Engine by using Phase Change Material	2017-2018
14	Mr. Sanket Borkar	Performance Assessment of R600a as an alternative to R134a in a Multi- evaporator Refrigerating System.	2016-2017
15	Mr. Pranav Sanap	Optimization of plastic molding by Reducing warpage.	2016-2017
16	Mr. Sudhir G. Auti	Experimental study and simulation of split injection in compression ignition engine for reducing emission at different Injection pressure.	2016-2017
17	Mr. Anand D. Dantale	Failure analysis and test validation of connecting rod	2015-2016
18	Mr. Manoj P. Talele	Experimental study simulation and Modeling of transportation metal rack forengine assembly.	2015-2016
19	Miss. Yogoni V. Somvanshi	Experimental study, design, and failure Analysis of companion flange.	2015-2016
20	Mr. Chetan V. Bhusare	Emission optimization of single cylinder diesel engine for 910 kg inertia class	2015-2016
21	Mr. Ketan S. Patil	Analysis and modeling study of composite material drive shaft for an Automobile.	2015-2016
22	Mr. Roshan V. Marode	Design and Thermal Analysis of Single Tube Heat Exchanger	2015-2016
23	Mr. Rahul H. Katariya	Optimization of single cylinder air cool diesel engine for BS IV emission norms	2014-2015

Ph.D. Students Co-Guided

Sr. No.	Name of Research Scholar	Title of Thesis	Year	Status
1	Dr. Mohd. Tareq Siddiqui	Cycle Time Reduction in Vapour Phase Drying of Transformer Coil	2019-20	Awarded

2	Mr. Ritesh S. Fegade	Analysis of Pull-In of Aluminum in Continuous Casting Mould Design	2020-21	Awarded
3	Mr. Prashant H. Jain	Diagnosis of Faults in Antifriction Bearings using Vibration Signal Analysis and Finite Element Analysis	2022-23	Awarded

Ph.D. Students Guided

Sr. No.	Name of Research Scholar	Title of Thesis	Year	Status
1	Mr. Dattatray Sadashiv Doifode	Experimental Investigation to Evaluate the Performance Characteristics of RCCI Engine Fuelled with Blends of Nano Biodiesel	2020-21	Registered
2	Ms. Prajakta Bharat Mane	Experimental and Modeling Studies on Cryogenic Treatment of 3D Printed and Injection Moulded Polymers	2020-21	Registered
3	Mr. Yogesh Eshwar Mangulkar	Formability Study of Tailor Welded Blanks of AISI409L Under Different Conditions	2020-21	Registered
4	Mr. Gajanan Gulabrao Gore	Modeling and experimental studies on performance optimization of hybrid Photovoltaic-Thermal (PVT) solar systems using graphene nanofluid	2020-21	Registered
5	Ms. Aakanksha R Jadhav	Evaluation of structure and Mechanical Properties of dissimilar weld between SS 304 Stainless Steel and Super Alloys	2020-21	Registered
6	Mr. Harshal Pargaonkar	Experimental Investigation and Modelling Studies on Super Alloys for CO ₂ Laser Cutting	2020-21	Registered

Patents

Sr. No.	Title of The Invention	Application/ Publication Date
1	A Personal Protective Equipment Disinfectant Machine	Application No.202121012836 A Publication Date: 28/05/2021

Grants/ Funds Received

1. Received Financial Assistance: INR 50000/- under my Mentorship to Team Sentinels for the project of '**PPE DISINFECTOR MACHINE**' under COVID-19 INNOVATION IDEATHON (theme: Health) from MASSIA IFC and Tata Technologies for Product Development, Production and Marketing.
2. Sanctioned Financial Assistance: INR 50000/- under my Mentorship to the project Titled '**Multi-Purpose Electric Vehicle For Farms**' under Innovative Idea Accelerators Program from MASSIA IFC and Tata Technologies for Product Development, Production and Marketing.

Computer/ Software Proficiency

1. IT exposure-In-depth knowledge of MS-Office (MS Word, Microsoft-excel and Microsoft Power Point) for management and communication.
2. MATLAB

Seminar/Workshop/Industrial Training/STTP//FDP/CEP/Conference Attended

Sr. No.	Title of the Programme	Duration	Year	Institute/ Faculty
1	SERC School on Combustion in Energy Sector	7/06/2011 to 11/06/2011	2011	IIT, Bombay Sponsored by DST.Govt. of India
2	Advanced Computational Applications using Ansys Fluent	7/01/2011	2011	NIT, Warangal (AP)
3	Two-week short-term training Programme on Failure Diagnosis and Prevention.	30/11/2009 to 11/12/2009	2008	Visvesvaraya National Institute of Technology, Nagpur Sponsored by MHRD/AICTE
4	One-week short term training Programme on Advanced Engineering Optimization through Intelligent Techniques	16/06/2008 to 20/06/2008	2008	Sardar Vallabhai National Institute of Technology Surat Sponsored by AICTE
5	Faculty development Programme in Entrepreneurship at Nashik	25/12/2004 to 05/01/2005	2004-05	Mitcon consultancy services ltd, Pune Sponsored by DST.Govt. of India
6	CNC part programming	22/9/1997 to 25/9/1997	1997	Fanuc India ltd, Bangalore

7	An Interdisciplinary Training Program on Applications of MATLAB & Simulink for Engineers and Researchers	19/11/2012 to 23/11/2012	2012	College of Engineering, Pune, Maharashtra
8	Faculty Development Program on Indian Patent Drafting and Filing Procedure	8/11/2017 to 9/11/2017	2017	Dr. D.Y. Patil School of Engineering and Technology, Pune, Maharashtra.
9	2 days Refresher Course on “Theories of Beams & Plates”	2/05/2020 to 3/05/2020	2020	G H Raison College of Engineering and Management, Pune
10	Covid -19 Awareness Program	29/04/2020	2020	Shivaji University, Kolhapur
11	Faculty Program on NBA	5/05/2020	2020	Bharati Vidyapeeth College of Engineering, Navi Mumbai.
12	Outcome Based Education: A Step Towards Excellence	11/05/2020 to 15/05/2020	2020	Government College of Engineering, Karad.
13	Two Weeks International Faculty Development Program On “Emerging Trends in Industry 4.0”	18/05/2020 to 29/05/2020	2020	JSPM’s Rajarshi Shahu College of Engineering, Pune
14	International Technical Symposium on “Opportunities & Challenges in Industry 4.0”	15/06/2020 to 17/06/2020	2020	G.S. Mandal’s Maharashtra Institute of Technology, Aurangabad
15	NBA Awareness	11/05/2021 to 14/05/2021	2021	Association of the Managements of Un-aided Engineering Colleges (Maharashtra)
16	OBE Concepts & Implementation and Digital Preparedness for NBA	29/05/2021	2021	G. S. Mandal’s Maharashtra Institute of Technology, Aurangabad
17	One week FDP on Mechanical Vibration Problems-Modeling Simulation, Experiments and Case Studies	13/09/2021 to 17/09/2021	2021	The National Institute of Engineering Mysore, Sponsored by ISTE
18	Inculcating Universal Human Values in Technical Education	15/01/2024 to 17/01/2024	2024	Offline MDF, MIT, Chhatrapati Sambhajinagar
19	Advances in Mechanical Engineering	2/12/2024	2024	Organized by the Department of Mechanical

		to 13/12/2024		Engineering, Prasad V Potluri Siddhartha Institute of Technology, Vijaywada, Karnataka
20	One day conclave 'Recent Advancement in Science and Technology'	20/01/2025	2025	MIT & BATU, Lonere

Seminar/Workshop/Industrial Training/STTP/FDP/CEP/Conference Organized

Sr. No.	Title	Role	Date
1	Three days workshop on Next Generation Mechanical Engineering	Convener	19/09/2024 to 21/09/2024
2	AICTE Training and Learning (ATAL) Faculty Development Program on Industry 4.0: Technology, Challenges and Opportunities for Indian SMEs	Convener	11/12/2023 to 16/12/2023
3	International Conference on "Recent Trends in Mechanical Engineering" (ICRTME -2021)	Convener	22/01/2021 to 23/01/2021
4	National Conference on Emerging Trends in Mechanical Engineering forengineering research scholars Faculty members & Industry persons held at Maharashtra Institute of Technology, Aurangabad.	Organizing Secretary	5/03/2009 to 6/03/2009
5	Two days' workshop on Component Failures: Causes & Remedies.	Member ofOrganizing Committee	23/04/2010 to 24/04/2010
6	Three days state level workshop on Entrepreneurship Development for undergraduate Engineering students at MIT, Aurangabad.	Co- convener	5/04/2007 to 7/04/2007
7	Two days' workshop Entrepreneurship for undergraduate Engineering students.	Member of Organizing Committee	24/02/2005 to 25/02/2005
8	Technomillennium - National level paper presentation for engineering students.	Member of Organizing Committee	15/09 to 17/09 in 2004 & 2005
9	Technomillennium – International level paper presentation for Engineering students Faculty members &Industry persons.	Member of Organizing Committee	15/09/2006 to 17/09/2006
10	One day workshop on Energy Farming	Speaker for onesession	2/12/2012

11	Six days ANSYS workshop for the Mechanical Engineering Students in association with Element Simulation Academy, Pune.	Convener	13/10/2016 to 18/10/2016
12	One Week STTP on Finite Element Method and ANSYS Software (on Saturdays' and Sundays')	Convener	25/03/2017 to 09/04/2017
13	Two Week STTP on Design and Development of Automotive Components in Collaboration with Neocent Design & Innovation and Techno-ledge Infotech Pvt. Ltd., New Delhi.	Convener	28/07/2017 to 6/08/2017
14	One Week Faculty Development Programme on Outcome Based Education and NBA Process, Aurangabad	Co-Convener	9/07/2018 to 14/07/2018
15	Two days' workshop on Intellectual Property Rights & Opportunities for Funded Research, MIT, Aurangabad.	Co-Convener	5/01/2018 to 6/01/2018
16	Institute level project competition TechnoMind 2K18, MIT, Aurangabad	Coordinator	25/10/2018
17	One week refresher Course on Use of ICT for Effective Teaching Learning, MIT, Aurangabad.	Organizing Secretary	8/01/2019 to 12/01/2019
18	Two days' workshop on Industry 4.0, Mechanical Engineering Department, MIT, Aurangabad.	Convener	2/03/2019 to 3/03/2019
19	Organized Webinar on Following Topics ➤ Gate Preparation and Opportunities ➤ Opportunities for Mechanical Engineering in AI world. ➤ Journey of Excellence Through TPM ➤ Virtual Reality and Augmented Reality and Introduction and Application ➤ Additive Manufacturing	Convener	4/06/2020 to 6/06/2020 14/06/2020
20	Five Days Technical Symposium on Advances in Materials and Manufacturing Engineering (AMME-2020)	Co-convener	30/06/2020 to 04/07/2020
21	One day workshop on Opportunities for Higher Education and Research in Engineering	Convener	22/07/2020

22	International Conference on “ Recent Trends in Mechanical Engineering “ (ICRTME -2021)	Convener	22/01/2021 to 23/01/2021
23	AICTE Training and Learning (ATAL) Faculty Development Program on Industry 4.0: Technology, Challenges and Opportunities for Indian SMEs	Convener	11/12/2023 to 16/12/2023
24	Harnessing AI for Next Generation Mechanical Engineering	Convener	11/04/2025 to 12/04/2025

Papers in National/ International Journal

A) Papers in International Journal

1. Prashant H Jain, Santosh P Bhosle, **Ashok J Keche** and Ramchandra G Desavale, Comparison of Non-linear Vibration of Outer Race Defective Ball Bearing Using Two Defect Functions, Noise & Vibration Worldwide 2024, Vol. 0(0) pp 1–18
2. Prajakta Mane, **Ashok J Keche**, Swamini Chopra, Kavita Pande Effect of polycarbonate (PC) content on the Mechanical Properties, Morphology And Transesterification Mechanism of PBT/PC immiscible blends, International Journal of Applied Polymer, 2024; pp 1-14.
3. Prashant H. Jain, Santosh P. Bhosle , Ramchandra G. Desavale, **Ashok J. Keche**, Ramchandra G. Desavale, A dynamic model of outer race defective bearing considering the unbalanced shaft-bearing system with experimental simulation, Journal of Tribology (ASME) , TRIB-23-1030, pp 1-29,2023
4. Sushil V. Deshpande, Ramkisan S. Pawar, **Ashok J. Keche**, and Anant Kurhade, Real time surface finish measurement of stepped holding shaft by automatic system, Journal of Advanced Manufacturing Systems, ISSN (print): 0219-6867 | ISSN (online): 1793-6896
5. Sushil V Deshpande, Ramkisan S Pawar, **Ashok J Keche**, Sachin S Yadav, Enhancing Productivity and Alleviating Fatigue in General Purpose Machining by SMART Approach: Paper No.: 2024-JL-03, ARAI Journal of Mobility Technology, Volume 4, issue 4. pp 1318-1329
6. Gore Gajnan Gulabrao , **Keche Ashok Jayawantrao**, Social Science Research Network , Nano-fluids - an emerging trend in solar-thermal energy systems: review, 13 May 2022
7. Kunal Bhansali, **A.J. Keche**, C.L. Gogte, Vivek Bagul, Characteristics and Comparison of Continuous Casting Machine (CCM) and Reheat Furnace (RHF) Rolled Reinforcement Bar, Trends in Mechanical Engineering & Technology (TMET), 2021.
8. Abhijeet N. Borade, **A.J. Keche**, C.D. Kuthe, Fatigue Failure Analysis of a Railway Wheel Using FEA, Trends in Mechanical Engineering & Technology, 2021

9. Nitin M. Sakhare, **A.J. Keche**, A Review on Performance and Emission Characteristics of Biodiesels as Alternative Fuel: The Future Trend, Vol 7, No 1 (2021)
10. Kunal Bhansali, **A.J. Keche**, C.L. Gogte, Samini Chopra , Effect of Grain Size on Hall- Petch Relationship During Rolling Process, Material Proceedings (Elsevier) , 2020
11. Mohd. Tareq Siddiqui, Jayant T. Pattiwar, Avinash P. Paranjape, **Ashok J Keche**, Influence of Various Temperatures on the Drying Time of 132 KV Transformer Insulations in Vapour Phase Drying Process, International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-9 Issue-3, February 2020
12. Mohd. Tareq Siddiqui, Jayant T. Pattiwar, Avinash P. Paranjape, **Ashok J Keche**, Influence of Various Temperatures on the Drying Time of 220/66 KV Transformer Insulations in Vapour Phase Drying Process, International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-5, March 2020.
13. Debabrata Samantaraya, Sanjay Lakade, **Ashok Keche**, An Alternate Machining Method for Hardened Automotive Gears, Procedia Manufacturing (2018) 517–522
14. Anuradha J Thakare, **Ashok J Keche**, Automotive Valve-Train Components Durability Analysis Using Finite Element Method Approach: A Review, Trends in Machine Design, Volume 5, Issue 1, 2018
15. Vrushali M. Shete, **Ashok J. Keche**, Drip Irrigation Pipe Manufacturing Process and Defects in It: A Review, Journal of Mechatronics and Automation, Volume 5, Issue 1, 2018
16. Abhijeet. N. Borade, **A. J. Keche**, Dynamic Analysis and Optimization Locomotive Railway Wagon Wheel: A Review, Trends in Mechanical Engineering & Technology, Volume 7, Issue 3, pp. 1-17, 2017.
17. Alankar Patni, **Ashok Keche**, Hanumant Dharmadhikari, Experimental Investigation and Modelling of EWR, Ra and MRR in Electric Discharge Machining of AISI 316 Steel, American Journal of Mechanical and Industrial Engineering, Vol. 1, No. 3, pp. 115-122, 2016
18. Pranav P. Bagdiya, **Ashok J. Keche**, Failure Analysis of Bearing: A Review, Trends in Machine Design, Volume 3, Issue 3, pp.1-17, 2016
19. Ketan S. Patil, V. M. Chidri, **A. J. Keche**, Analytical and Modeling Study of Composite Material Drive Shaft for an Automobile, International Organization of Scientific Research (IOSR), pp. 34-48, 2016.
20. Sachin N. Avghad, **Ashok J. Keche**, Abhijit Kousal, Thermal Energy Storage: A Review, IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) e-ISSN: 2278-1684, P-ISSN: 2320-334X, Volume 13, Issue 3 Ver. II., PP 72-77, 2016.

21. Chetan Kahate, **Ashok Keche**, Failure Analysis of Crankshaft using Finite Element Approach, International Journal of Engineering and Applied Sciences, ISSN: 2394- 3661, Volume-3, Issue-4, April 2016.
22. Yogini V Somvanshi, **Ashok J Keche**, Design and Analysis of Companion Flange, International Journal of Engineering Development and Research, Volume 3, Issue 2, ISSN: 2321-9939.pp.689-693, 2015
23. Roshan. V. Marode & **Ashok. J. Keche**, Thermal Analysis Validation for Different Design Tubes in a Heat Exchanger, International Journal of Engineering Research and General Science, Volume 3, Issue 1, January-February 2015 ISSN 2091-2730
24. **Ashok J. Keche**, Amba Prasad Rao Gaddale, Rajendrakumar G. Tated, Simulation of biomass gasification in downdraft gasifier for different biomass fuels using ASPEN PLUS, Clean Technologies, and Environmental Policy 17 (2), 465-473, 2015
20. Roshan. V. Marode, **Ashok. J. Keche**, Experimental Investigation & Modeling Studies for Different Tubes of Heat Exchanger using CFD, Global Journal of Researches in Engineering, Volume 15 Issue 4 Version 1.0, ISSN:2249-4596Print ISSN:0975-5861, 2015
21. Manoj P Talele, **Ashok J Keche**, Computer Aided Design & Experimental Validation of Engine Metal pallet, International Journal of Research in Engineering and Applied Sciences, ISSN 2249-3905, Volume 5, Issue 5, pp.76-92, 2015
22. Manoj P Talele, **Ashok J Keche**, Design Optimization and Simulation Study of the Engine Transportation Metal Pallet for Stationary and Movable Condition, International Journal of u- and e-Service, Science and Technology, Vol.8, No.5 (2015), pp.219-230
23. Anand D Dantale, **Ashok J Keche**, Fatigue Life Validation and Analysis of Connecting Rod, International Journal of Hybrid Information Technology, Vol. 7, No. 6 (2014), pp. 423-432 <http://dx.doi.org/10.14257/ijhit.2014.7.6.36>.
24. Rahul Katariya, **Ashok J Keche**, Research on steps taken to meet BSIV emission norms with single cylinder air cooled diesel engine & conventional injection system, International Journal of Advances in Engineering & Technology, Vol. 6, Issue 6, pp. 2556-2565, Jan .2014
25. Roshan. V. Marode, **Ashok. J. Keche**, A Review on optimal Design of Single Tube in a Heat Exchanger using FEA Tool, International Journal of Electronics, Communication & Soft Computing Science and Engineering, ISSN: 2277-9477, Volume 3, issue 3, 2014
26. Anand D Dantale, **Ashok J Keche**, Constant Speed Engine Con-rod Soft Validation & Optimization, International Journal of Design and Manufacturing Technology (IJDMT), ISSN 0976 – 6995(Print), ISSN 0976 – 7002(Online) Volume 5, Issue 1, January - April (2014), pp. 01-11.

27. **Ashok J Keche**, G Amba Prasad Rao, Rajendrakumar G Tated, Simulation of Biomass Gasification in Downdraft Gasifier Using Aspen plus, International Journal of Alternate Energy Sources & Technologies, Volume 4, Issue 2, ISSN: 2230 -7982, 2013
28. **Ashok Jayawantrao Keche**, Gaddale Amba Prasad Rao, Experimental Evaluation of 35 kVA Downdraft Gasifier, International Journal of Frontiers in Energy, DOI10.1007/s11708-013-0247-9, 2013
29. Ketan Patil, Roshan Marode, V. M. Chidri, **A.J. Keche**, Finite Element Structural & Thermal Analysis of Lock Plate, International Journal of Scientific & Technology Research, Volume 1, Issue 4, May 2012.
30. **Ashok J Keche**, G Amba Prasad Rao, Rajendrakumar G Tated, Performance Evaluation of wood Gasifier, International Journal of Alternate Energy Sources & Technologies, Vol 3, No, 3 (2012)
31. **Ashok J Keche**, G Amba Prasad Rao, Rajendrakumar G Tated, Efficient Utilization of Biomass by Gasification – A case Study, International Journal of Advances in Thermal Science and Engineering (IJATSE) Serials Publications, New Delhi (India), Serials Publications, New Delhi (India). Volume 2 (Issues 1or 2) 2010.

B) Papers in National Journal

1. Ashok J Keche, Biomass Gasifier-Based Power Generation System Back To Basics, With a Difference, Indian Journal of Engineering, Science and Technology, ISSN: 0973 – 6255, Vol.4 (No.1) , 33 January – June 2010

C) Papers in International Conference Proceedings

1. Prajakta Mane, **Ashok J. Keche**, Swamini Chopra, Correlation of Wear Behavior of PBT/PC Blend with Crystallographic Structure: A Comprehensive Study on Wear Rate and Crystal Structure, 7th International Conference on Material Engineering Research (ICMER 2024), Jeju Island South Korea 19-21 April,2024.
2. Sameer Pitale, **Ashok J. Keche**, Swamini Chopra, Investigations on the Effect of Vapor Smoothing Process in Trichloromethane(Chloroform) on the Surface Characteristics, Mechanical Properties and Chemical Structure of 3D Printed Poly-lactic-acid (PLA), International Conference on Advanced Sustainable Futuristic Materials (ASFM-2024) CSIR-NEERI and Kamala Nehru Mahavidyalaya, NagpurKamla Nehru Mahavidyalaya, Nagpur, Sharda University, Greater Noida, and CSIR-National Environmental Engineering Research Institute (CSIR-NEERI), Nagpur on 26-27 April 2024
3. Dattatray Sadashiv Doifode, **Ashok J. Keche**, Investigating Hydrogen's Role in CI Engine Performance Enhancement through Varied Approaches for Sustainable Future, Prakalp 2024, School of Chemical Engineering MIT AoE, Alandi (D), Pune, 12-13, March 2024

4. Prashant H Jain, Santosh P Bhosle, **Ashok J Keche** and Ramchandra G Desavale, Analysis of Vibration of A Rotar Bearing System Caused By radial Clearance Number of Balls and Rotor Speed , Ist International Conference on Mechanical Engineering; Researches and Evolutionary Challenges - 2023 , NIT Warangal , 23-25 June,2023.
5. Sanjay S.Surwase, Santosh P. Bhosle, **Ashok J Keche**, A Simulation Study of Residual Stress and Distortion in Laser-Welded Joints of Structural Steel, 5th International Conference on Advances in Mechanical Engineering (ICAME 2024), RM Institute of Science and Technology, Kattankulathur, Tamil Nadu, India during 20-22, March 2024.
6. **Ashok J Keche**, Amba Prasad Rao Gaddale, Rajendrakumar G Tated, Simulation of Biomass Gasification in Downdraft Gasifier for different biomass fuels Using Aspen Plus, International Conference on Advances in Energy Research, IIT, Mumbai, 10th – 12th December 2013
7. **Ashok J Keche**, Amba Prasad Rao Gaddale, Rajendrakumar G Tated, Efficient Utilization of Biomass by Gasification – A case Study, 5th International Conference on Advances in Mechanical Engineering (ICAME-2011), SVNIT, Surat, 06-08 June 2011.5
8. **A.J. Keche**, Maynord Operation Sequence Technique (Most) For Productivity, International Conference AMMT, Tumkur, Karnataka India, November 18 -19, 2010.
9. Abhijeet. N. Borade, **A. J. Keche**, C. D. Kuthe, Fatigue Failure Analysis of a Railway Wheel using FEA, International conference on Recent Trends in Mechanical Engineering (ICRTME-2021) held at Mechanical Engineering Department, Maharashtra Institute Technology, Aurangabad (MS- India) 22nd and 23rd January2021.
10. Kunal Bhansali, **A.J. Keche**, C.L. Gogte, Vivek Bagul, Characteristics and Comparison of CCM and Reheat Rolled Reinforcement Bar, International conference on Recent Trends in Mechanical Engineering (ICRTME-2021) held at Mechanical Engineering Department, Maharashtra Institute Technology, Aurangabad (MS- India) 22nd and 23rd January2021.
11. Nitin M. Sakhare, **Ashok J. Keche**, Review on Performance and Emission Characteristics of Biodiesels as Alternative Fuel: The Future Trend”, International conference on Recent Trends in Mechanical Engineering (ICRTME-2021) held at Mechanical Engineering Department, Maharashtra Institute Technology, Aurangabad (MS- India) 22nd and 23rd January2021.
12. A.N. Borade, **Ashok Keche**, Linear Heat Transfer and Structural Analysis of a Railway Wheel. First international conference on emerging trends in mechanical engineering (ICETME-2018) held at Srinivasa Ramanujan Institute of Technology, Ananthapuram, AP (India) 20-22 Dec. 2018.
13. Anuradha J Thakare, **Ashok J Keche**, an Optimization of Valve-Train Components for Durability Analysis by Using Finite Element Analysis Method. First international conference on

emerging trends in mechanical engineering (ICETME-2018) held at Srinivasa Ramanujan Institute of Technology, Ananthapuram, AP (India) 20-22 Dec. 2018.

14. Sachin Avghad, **Ashok Keche**, Reduction of Warm-up time in Light Duty Petrol Engine, International Conference on Smart Technologies for Energy, Environment & Sustainable Development, G.H. Rasoni college of Engineering (Technically supported by Springer), Nagpur, 28th -29th July 2018
15. Anuradha J. Thakare, **Ashok J. Keche**, Optimization of Valve-train Components For Durability Analysis by Using Finite Element Analysis Method, International Conference on Smart Technologies for Energy, Environment & Sustainable Development, G.H. Rasoni college of Engineering (Technically supported by Springer) ,Nagpur, 28th -29th July, 2018
16. Manjiri S Gajhas, **Ashok J Keche**, Design Analysis Of Conventional And Composite Spur Gear Using Finite Element Method, International Conference on Smart Technologies for Energy, Environment & Sustainable Development, G.H. Rasoni college of Engineering Technically supported by Springer), Nagpur, 28th -29th July, 2018.
17. Vrushali M Shete, **Ashok J Keche**, Process Parameters Optimization of Drip Pipe Extrusion Process using Taguchi Approach International Conference on Smart Technologies for Energy, Environment & Sustainable Development ,G.H. Rasoni college of Engineering (Technically supported by Springer) ,Nagpur, 28th -29th July, 2018
18. Debabrata Samantaraya, Sanjay Lakade, **Ashok Keche**, An Alternate Machining Method for Hardened Automotive Gears, 2nd International Conference on Materials Manufacturing and Design Engineering, MIT, Aurangabad, 11- 12 December 2017.
19. S A Shaikh, **A J Keche**, C D Kuthe, Study of cyclic oxidation and hot corrosion of 310 SS under the environmental impurities of Na₂SO₄+V₂O₅ at different temperatures, First International Conference on Mechanical Material and Renewable Energy, Sikkim Manipal Institute of Technology, Majhitar, Sikkim, India., 8-10 December 2017.
20. Sanket Borkar, **Ashok J Keche**, Performance Assessment of R600a As an Alternative to R134a in a Multi-Evaporator Refrigerating System, Published in 1st International and 18th ISME Conference, 23rd – 25th February, NIT, Warangal, 2017,
21. S.G. Auti, **A.J. Keche**, A.T. Autee, H.M. Dharmadhikari, Experimental Study and Simulation of Split Injection in Compression Ignition Engine for Reducing Emissions at Different Injection Pressures, Published in 1st International and 18th ISME Conference, 23rd – 25th, NIT, Warangal 2017.
22. Vishakha S. Jawale, **Ashok J. Keche**, Experimental performance study of R290 as an alternative to R22 refrigerant in a window air conditioner” 1st International Conference On Mechanical

Materials And Renewable Energy 2017, Sikkim Manipal Institute of Technology, Majitar, Sikkim, 8 -10 December, 2017.

23. Debabrata Samantaraya, A. S. Kousal, **Ashok Keche**, Hard Turning of 20Mn5Cr5 Steel with PCBN tool as an Alternative to Grinding, 6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016), College of Engineering., Pune, Maharashtra, India, 16th to 18th December 2016.
24. Amol Shinde, **Ashok Keche**, Design and Analysis of Windmill Shaft using composite Materials, International Conference on Materials, Manufacturing and Design Engineering, (ICMMD 2016), Lonere (MS), 20th -21st December 2016.
25. Pranav Sanap, A.J. Keche, H.M. Dharmadhikari, Optimization of plastic Moulding by reducing Warpage with the Application of Taguchi optimization technique, International Conference on Materials, Manufacturing and Design Engineering, (ICMMD 2016), Lonere (MS), 20th -21st December 2016.
26. Chetan Bhusare, **A. J. Keche**, Emission Optimization of Single Cylinder Diesel Engine with Effect of Inertia Class On Chassis Dynamometer Test Cycles, 5Th International Conference on Advances in Energy Research, IIT, Mumbai, 10th – 12th December, 2015
27. Roshan V Marode, **Ashok J Keche**, A Review on Optimal Design of Single Tube in Heat Exchanger using FEA Tool, International conference BLAZE -2014, RSCOE, Buldana, March 13 - 14 March 13 – 14, 2014.

D) Papers in National Conference Proceedings

1. Prashant H. Jain, Ramchandra G. Desavale, **Ashok J. Keche** and Santosh P. Bhosle, Analysis of vibration of a Rotor Bearing System Caused by Radial Clearance Number of Balls & Rotor Speed, International Conference on Mechanical Engineering: Researches and Evolutionary Challenges 2023.
2. Yuvraj Narwade, Chetan Kuthe, **Ashok Keche**, Design, Development and Performance Analysis of Tube Parting Machine, 3rd National conference on Industrial Engineering and Technology Management, 30th November, and 1st December 2018 NITIE, Mumbai.
3. Bhagyashri Chaudhari, Chinmai Deshmukh, **Ashok Keche**, Design, Development and Manufacturing of Specialized Cutting Tool, 3rd National conference on Industrial Engineering and Technology Management, 30th November, and 1st December 2018 NITIE, Mumbai.
4. Sanket Borkar, **A. J. Keche**, Theoretical Investigation of 600a as an Alternative to R134a, National Symposium of Mechanical Engineering Research Scholars, NIT Warangal, October 7th October 2016.
5. Vrushabh Wandhare. Nivutti Pachopor, Akshay Kulkarni, Shubham Mankar, **Ashok Keche**, Design

and Analysis of Steering and Transmission System for Formula 8 Car, National Workshop on Industrial Problems on Machines and Mechanisms, 22nd -23rd December 2016.

6. Sudhir Auti, **Ashok Keche**, Arun Autee, Subhash Lahane, Effect of Split Injection Method for Reducing Emissions in Compression Ignition Engine, National Symposium of Mechanical Engineering Research Scholars, NIT Warangal, 7th October 2016.
7. Vishakha Jawale, **Ashok Keche**, Comparative Performance Study of Alternative to R22 Refrigerant: A Review, 4th National Conference on Innovations in Mechanical Engineering, NCIME'16, AP, 21st -22nd October 2016.
8. Debabrata Samantaraya, A. S. Kousal, **Ashok Keche**, Hard turning of 21 Mn5Cr4 Steel by Super Hard Cutting Tool Material PCBN, National Conference on Advances in Material Processing and Characterization , NIT, Warangal, 4th-6th January, 2016.
9. **Ashok. J. Keche**, Biomass Gasifier-Based Power Generation System Back to Basics, With a Difference, National Conference on AFTMME 2010, YCE, Punjab University Guru Kashi Camps Bathinda, 19th -20th February, 2010.
10. **Ashok. J. Keche**, Implementation of Concurrent Engineering for Product Design & Development Process, National Conference NCME-2007 Ban more (India), National Conference NCME-2007 Ban more (India), 28th -29th April 2007.
11. **Ashok. J. Keche**, Total Productive Maintenance – Philosophy of Zero, National conference Mech. fest-05, Aurangabad, 2nd-3rd, April 2005.
12. **Ashok J. Keche**, Jagdeesh Godihal, Engineer as Entrepreneurs - Role of Engg. Educational Institutions, National conference Bhilai, 13th -14th March, 2005.
13. **Ashok J. Keche**, Jagdeesh Godihal, Implementation of ISO - 9000 Standard Series in Higher Educational Institutes, State level conference TQM & BPHE, Ahmednagar (M.S.), 16th - 17th December 2005.
14. **Ashok J. Keche**, Jagdeesh Godihal, Model ways to Enhance Quality of Higher Education, State level conference, AEQHE-2005, Aurangabad (M.S.), 29th -30th, April 2005

E) Book/ Book Chapters

Sr. No.	Title	Authors	Book Title	Publisher
01	Correlation of Wear Behavior of PBT/PC Blend with Crystallographic Structure: A Comprehensive Study on Wear Rate and Crystal Structure	Prajakta Mane, Ashok J Keche, Swamini Chopra	Material Science Forum, vol 1135, 2024	Springer, Scientific.net

02	Investigations on the effect of vapor smoothing process in Trichloromethane (chloroform) on the surface characteristics, mechanical properties and chemical structure of 3D printed Poly-Lactic-Acid (PLA)	Sameer Pitale, Ashok J Keche and Swamini Chopra	Engineering Research Express	IOP Science,
03	Analysis of Vibration of a Rotor-Bearing system caused by Radial Clearance. Number of Balls & Rotor Speed	Prashant H Jain, Santosh P Bhosle, Ashok J Keche and Ramchandra G Desavale	Recent Advances in Mechanical Engineering, Volume 1	Springer
03	Effect of Ti Addition on the Microstructure and Mechanical Properties of Hypo-Eutectic and Eutectic Al-Si Alloys	Chandan Choudhary, K. L. Sahoo, Ashok J. Keche, D. Mandal	Light Metals 2023	Springer Nature Switzerland
04	Linear Heat Transfer and Structural Analysis of a Railway Wheel	AN Borade, AJ Keche	Emerging Trends in Mechanical Engineering	Springer, Singapore, 2020
05	Optimization of Valve-Train Components for Durability Analysis by Using Finite Element Analysis Method	Anuradha J Thakare, Ashok J Keche	Emerging Trends in Mechanical Engineering	Springer, Singapore, 2020
06	Experimental performance study of R290 as an alternative to R22 refrigerant in a window air conditioner	Vishakha S. Jawale, Ashok J. Keche	IOP Conference Series: Materials Science and Engineering	IOP ebooks™
07	Study of cyclic oxidation and hot corrosion of 310 SS under the environmental impurities of Na ₂ SO ₄ +V ₂ O ₅ at different temperatures.	S A Shaikh, A J Keche and C D Kuthe	IOP Conference Series: Materials Science and Engineering	IOP eBooks
08	Experimental Investigation and Simulation of Split Injection at Different Injection Pressures in Compression Ignition Engine for Improving Emissions	Sudhir Girish Auti, Ashok J. Keche, Arun T. Autee, and Hanumant M. Dharmadhikari	Mechanical Engineering for Sustainable Development State-of-the-	CRC Press Taylor and Francis Group

			Art Research	
09	Reduction of Warm-Up Time in Light Duty Petrol Engine	Sachin Avghad, Ashok J Keche, Kishor Kulkarni	Smart Technologies for Energy, Environment and Sustainable Development	Springer, Singapore Pp 749-758,2019
10	Design Analysis of Conventional and Composite Spur Gear Using Finite Element Method	Manjiri S Gajhas, Ashok J Keche	Smart Technologies for Energy, Environment and Sustainable Development	Springer, Singapore, Pp 715-723, 2019
11	Durability Analysis of Titanium Engine Valves Using CAE	Anuradha Jagdish Thakare, Ashok J Keche	Smart Technologies for Energy, Environment and Sustainable Development	Springer, Singapore Pp 651-662,2019
12	Process Parameters Optimization of Drip Pipe Extrusion Process Using Taguchi Approach	Vrushali M Shete, Ashok J Keche	Smart Technologies for Energy, Environment and Sustainable Development	Springer, Singapore Pp 683-694,2019

NPTL Certification

Start Date	End Date	Duration (in Weeks)	Course Name	Marks (Out of 100)	Performance
Feb 2019	Mar 2019	Four	Teaching and Learning in Engineering(TALE)	77	Silver and Elite
July 2019	Sep 2019	Eight	TALE-2 Course Design and instruction of Engineering Course	64	Elite

Skill Up-gradation (NASSCOM Future Skill Prime)

Sr. No.	Name of Course	Year	Remarks
1	Artificial Intelligence Foundations an industry recommended, and validated course aligned to SSC NASSCOM Foundation AI Curriculum.	2021	Successfully Completed

Awards, Achievements and Recognition

A) Awards Received

1. Awarded National Merit Scholarship, 1985
2. Received gold medal in SSC examination 1985.
3. Won first prize in National level Research paper presentation at Govt. Engineering College Aurangabad on Total Productive maintenance philosophy of zero 2nd and 3rd April - 2005.
4. Best research paper award for paper titled on Effect of Split Injection Method for Reducing Emissions in Compression Ignition Engine in National Symposium of Mechanical Engineering Research Scholars, on 7th Oct 2016 at NIT Warangal.
5. Received Certificate of excellence as Editorial reviewer in recognition of outstanding contribution to the quality for the International Journal Trends in Machine Design (STM Journals) for the year 2021.
6. Received Certificate of appreciation from Rajiv Gandhi Science and Technology Commission Mumbai and Shivaji University, Kolhapur valuable contribution as reviewer of the project under scheme Assistance to S & T Applications through University Systems implemented by RGSTC, Mumbai and Shivaji University, Kolhapur, 2021
7. Mr. Rahul Shrivastava & Sapana Ghunawat under the guidance of me won “Overall Championship award” **Rs. One lakh** in the 4th Technovation Hackthon and Innovation Budge organized by Sharda University, Greater Noida on 1st – 5th February 2022.
8. Under the mentorship of me team ‘Sentinels’ has received following awards:
 - Financial assistance 50000/- with Mentorship, Technical Support and Incubation from MASSIA IFC and TATA TECHNOLOGIES for Product Development, Production and Marketing in **Covid-19 Innovation competition (2020).**
 - 1st Runner-Up of S.T.A.R Hackathon organized by VIIT Pune in Collaboration with IEEE Pune Section and won cash prize of 15,000/- Rupees with a trophy sponsored by Windals Precision Pvt. Ltd.
 - First prize in project competition “TECHNOMINDS 2K21” - A National Level Technical Mega Event organized by Maharashtra Institute of Technology, Aurangabad in collaboration with

MAGIC, Aurangabad on 17th and 18th June 2021.

B) Achievements and Recognition

1. Worked as Session Chair for the MULTICON- 2022(A platform for Multiple Conferences and Workshops) scheduled on 25th and 26th February 2022.
2. Worked as speaker in online Pre-Ph.D. Coursework coursework-2021 for the students of Mechanical Engineering, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, during 21st June 2021 to 25th July 2021.
3. Worked as reviewer for the International Journal of trends in machine design (STM– Journal)
4. Reviewer for the International Journal of Ambient Energy, a Taylor &Francis publication
5. Worked as reviewer for the 1st International and 18th ISME Conference held at NIT, Warangal February 23rd – 25th, 2017
6. Worked as reviewer for International Conference on 2nd International Conference on Materials, Manufacturing and Design (iCMMD2017) held at MIT, Aurangabad on 11 – 12th December 2017
7. Worked as reviewer for International Conference on 2nd International Conference on Materials, Manufacturing and Design (iCMMD2017) held at MIT, Aurangabad on 11 – 12th December 2017
8. Worked as reviewer for the National Conference for Postgraduate (PGCon 2017) at Rajarambapu Institute Of Technology Rajaramnagar, Islampur, Dist. Sangli,
9. Maharashtra, India.
10. Recognition as Ph.D. Research Guide in the subject of Mechanical Engineering under the Faculty of Science and Technology, Dr. Babasaheb Marathwada University, Aurangabad, (07-03-2019)
11. PG approved teacher in Faculty of Mechanical Engg &Technology Dr. BAMU Aurangabad.
12. Appointed as External Examiner at ME/M.Tech (Mech/Auto) level at Shivaji University Kolhapur, SPPU Pune.
13. Resource person for Energy Conference on the topic ‘Biomass Gasifier Technology’, in Advantage Maharashtra Expo Aurangabad 2017 organized by Marathwada Association of Small-Scale Industries and Agriculture (MASSIA) on 07th January- 2017.
14. Worked as an examiner for the evaluation of research projects in the University level ‘Avishkar competition’ which is being organized by Swami Ramanad Teerth Marathwada University at Latur Sub-Centre on 2nd and 3rd January 2017
15. Worked as session chair for poster presentation in 6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016) held at College

of Engineering, Pune, Maharashtra, India

16. Worked as session chair for oral presentation in International Conference on Advances in Mechanical Engineering held at Amrutvahini College of Engineering Sangamner on 29th March 2016.
17. Worked as an examiner for the evaluation of research projects in the University level 'Avishkar competition' which is being organized by Swami Ramanad Teerth Marathwada University at Latur Sub-Centre on 2nd and 3rd January 2017
18. Worked as session chair for oral presentation in International Conference on 2nd International Conference on Materials, Manufacturing and Design (iCMMD2017) MIT, Aurangabad on 11 – 12th December 2017.
19. Resource person for Faculty Development Program on the topic 'Outcome Base Education', organized by M.S.S. College of Engineering & Technology, Jalna on 12th January-2017.

C) Extra-Curricular/ Co-Curricular Activities

1. Worked as a chairman of external vigilance squad at Government Engineering College, CSN for UG and PG end semester examination January-2025 and re-examination Jan/Feb-2025.
2. Worked as session chair for poster presentation in 6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016) held at College of Engineering, Pune, Maharashtra, India
3. Worked as session chair for oral presentation in International Conference on Advances in Mechanical Engineering held at Amrutvahini College of Engineering Sangamner on 29th March 2016
4. Invited as an examiner for the evaluation of research projects in the University level 'Avishkar competition' which is being organized by Swami Ramanad Teerth Marathwada University at Latur Sub-Centre on 2nd and 3rd January 2017.
5. Worked as Workshop Superintendent
6. Worked as central NIRF Coordinator
7. Worked as students' council coordinator for academic year 2014-2015.
8. Worked as anti- ragging committee chairman for academic year 2014-2015.
9. M. Tech. (Mechanical) course coordinator for academic year 2013-2014.
10. Worked as chairman of M E / M. Tech. Admission committee for academic year 2013-2014.
11. Designed syllabus of M. Tech (Mechanical Engineering)
12. Worked as chairman of security and fire safety committee of central youth festival 2012-2013, this was jointly organized by MIT & Dr. B. A.M.U. Aurangabad.
13. Worked as member of organizing team in two days' workshop on "Components Failure: Causes and Remedies "organized at MIT, Aurangabad, 23rd and 24th April 2010.

14. Worked as member of LIC of Dr. BAMU, Aurangabad in the month of June 2010.
15. Worked as organizing secretary of National Conference on Emerging Trends on Mechanical Engineering for engineering research scholars Faculty members & Industry persons held at Maharashtra Institute of Technology, Aurangabad on 5th and 6th March 2009.
16. Worked as chief superintendent of examination of B. Tech. May/June 2009 of Dr. BAMU, Aurangabad
17. Worked as worked as chief superintendent of examination of LIC staff recruitment 2009.
18. Worked as chief superintendent of examination of B Tech. November/December 2008 of Dr. BAMU,Aurangabad.
19. Worked as judge for mini- convention on quality circles & allied case studies on Kaizen, Pokayoke, Sixsigma, SMED, JIT, Kanban organized by QCFI at J.N.E.C, Aurangabad on 23rd Feb. 2007
20. Worked as co-convener of three days state level workshop on Entrepreneurship Development for undergraduate Engineering students. This was organized at MIT, Aurangabad on 5th, 6th and 7th April 2007.
21. Dept. term work coordinator of academic year 2006-2007.
22. Member of working committee Technomillennium 2006. International level paper presentation for Engineering student's faculty members & Industry persons.
23. Member of working committee Technomillennium 2005. National level paper presentation for Engineeringstudent's faculty members & Industry persons.
24. Member of working committee of central youth festival 2005.
25. Dept. timetable coordinator of academic year 2004-2005.
26. Member of working committee Technomillennium 2004. National level paper presentation for engineeringstudents.
27. Member of organizing committee of Entrepreneurship camp for undergraduate Engineering students. From 24/2/2005 to 26/2/2005. Conducted one session on Entrepreneurship competencies.
28. Played vital role for getting an ISO – 9001-2000 Certificate to MIT by doing various work assigned to workshop.

D) Any Other Special Contribution

- Developed a biomass Gasifier power generation plant at MIT, Aurangabad

Date: 18/04/2025

Place: Chhatrapati Sambhajinagar

Prof. (Dr.) Ashok J. Keche