

Curriculum Vitae



Name : Dr. Ganesh Segoji Warkhade
Qualification : B.E. (VRCE, Nagpur), August, 1999
M.Tech. (DBATU, Lonere), September 2010
Ph.D. (NIT Warangal), 19th March 2019
M.Tech. Thesis : Experimental studies on desiccant wheel based hybrid air-conditioning
Ph.D. Thesis : Experimental Investigation and Optimization of supercharging and compression ratio in a biofueled DI variable compression ratio engine
Email : gswarkhade@dbatu.ac.in, ganeshwarkhade@gmail.com
Experience : 18 Years
Research Interests : Alternative fuels, Engine downsizing and simulation, Latent heat energy storage.
Achievement/Award : 6th Bry-Air Award for excellence in HVAC in student category for my innovative M. Tech. project work, 2010.

Workshop Organized:

1. Organized the AICTE Sponsored Faculty Development Programme On “Research Methodology - Techniques and Softwares” during November 11-15, 2019.
2. Coordinated/organized entrepreneurship development training programme for the unemployed tribal youths of the entire Maharashtra State during 13-15 December, 2018.

Expert Talks:

1. On “Engine Research and Optimization Techniques for engine parameters” in International Thermal Engineering Theory and Application workshop on February 18, 2020.
2. On “Graphing software” for research in AICTE FDP on November 14, 2019.
3. On” Optimization Techniques for engine parameters”, in AICTE FDP on November 14, 2019.
4. On opportunity of entrepreneurship in tribal’s traditional way life on December 14, 2018.

Professional Experience:

Industrial: Worked as a Trainee Engineer at M.S.R.T.C’s. central workshop, Nagpur between October 1999 to October 2000.

Teaching: Worked as a Lecturer in the Department of Mechanical Engineering at Karmveer Bhaurao Patil College of Engineering, Satara (M.S.) from 23rd July, 2002 to 19th October, 2004.

Subject taught:

UG –*Fluid Mechanics, Engineering Thermodynamics, Fluid Machinery and Pneumatics, Gas Turbine Power plant, Power Plant Technology, Design of Heat Exchanger, R & AC, Engineering Drawing, and Engineering Mechanics.*

PG–*Advanced Heat Transfer, Fluid Dynamics, Advanced IC Engine.*

List of publications:

Sr. No.	Journals
1.	Ganesh S. Warkhade, A. Veeresh Babu , Santosh Mane KGB (2016) Experimental Investigation of Sensible Thermal Energy Storage in Small Sized, Different Shaped Concrete Material Packed Bed. World J Eng World 13:386–393. doi: 10.1108/WJE-08-2016-0048.

2.	Ganesh S. Warkhade, A. Veeresh Babu, Combustion and emission characteristics of an esterified linseed oil fuelled variable compression ratio diesel engine. World J Eng 2018;15. doi: https://doi.org/10.1108/WJE-04-2017-0083 .
3.	Ganesh S. Warkhade, A. Veeresh Babu, “Impact of supercharging and compression ratio on performance characteristics in a single cylinder DIC engine,” Int. J. Heat Technol., vol. 36, no. 3, pp. 955–961, 2018.
4.	Ganesh S. Warkhade & A. Veeresh Babu (2018), Experimental investigations on the feasibility of higher blends of biodiesel in variable compression ratio diesel engine, International Journal of Ambient Energy, DOI: 10.1080/01430750.2018.1525574
5.	Ganesh S. Warkhade & A. Veeresh Babu (2018)” Combustion characteristics of linseed (Linum usitatissimum) methyl ester fuelled biodiesel blends in variable compression ratio diesel engine”, Australian Journal of Mechanical Engineering, DOI: 10.1080/14484846.2018.1525170
6.	G.B. Katam, V.B. A, M.M. K, G.S. Warkhade, Review on Algae for Biodiesel fuel production, its Characteristics comparison with other and their Impact on performance, combustion and emissions of Diesel engine, World J. Eng. 14 (2017). doi:10.1108/WJE-06-2016-0012.
7.	Katam GB, Alur VB, Warkhade GS (2018), Experimental investigations of direct injection compression ignition engine by using Coconut, and Karanja biodiesel fuels with emulsions of microalgae based antioxidant. Int J Ambient Energy 0:1–6 .doi: 10.1080/01430750.2018.1432505
8.	Katam, G. B. Alur, V. B. Kotha, M. M. and Warkhade, G. S. 2019, “The Performance and Emissions Investigations of Compression Ignition (CI) Engine Using Algal Biomass as an Antioxidant Additive in Coconut and Karanja Methyl Esters”, Proceedings of the National Academy of Sciences, India Section A: Physical Sciences, . Springer India Vol. , No. Ci, .
International Conferences	
1	Ganesh S. Warkhade, A. Veeresh Babu, Subhash C. Bose P., Effect of compression ratio on combustion, performance and emission characteristics of linseed biodiesel fueled compression ignition engine, International conference on Energy, Environment and Economics, held on 11-13 December 2017 at Heriot-Watt University, Edinburgh, UK.
2.	Ganesh S. Warkhade, A. Veeresh Babu, Katam Ganesh Babu, Gopi Gulivindala M. Vijay Kumar. Effect of compression ratio on combustion characteristics of an esterified linseed oil fuelled diesel engine. Proc. 1st Int. 18th ISME Conf. ISME18, held during Feb. 23 – 25, 2017 at NIT Warangal, Conference Proceedings pp 191
3.	Ganesh S. Warkhade, A. Veeresh Babu, Santosh Mane, Experimental analysis of packed bed sensible thermal energy storage with small sized material. ICEE-2014, Jawaharlal Nehru Technological University, Hyderabad, Conference Proceedings pp. 34.
4.	Ganesh S. Warkhade, Neeraj Agrawal; Experimental studies on desiccant wheel based hybrid air-conditioning’ at International conference held at MANIT, Bhopal during June 24-26, 2010.

Refresher Courses Attended

Sr.No	Name of the courses	Instit	Duration	Week
1	Fluid Mechanics (ISTE)	IIT Kharagpur	May 20- 30, 2014	2
2	Advanced materials for sustainable energy and storage	NIT Warangal (under Gian, MHRD)	May 03 – 23, 2016	2
3	Biofuels Engineering	JNTUH College of Engineering, Hyderabad (under Gian, MHRD)	July 11-15, 2016	1
4	Computational research techniques using Matlab (CRT2016)	NIT Warangal	December 26-31, 2016	1
5	Advanced engineering optimization through intelligent technique (AEOTIT)	NIT Surat	February 6-10, 2017	1
6	Effective methods of teaching the course on ‘ Internal combustion engines and alternate power sources for automobile’.	NIT Warangal (under Gian, MHRD)	June 19-24, 2017	1
7	Thermal management of electronics	NIT Warangal (under Gian, MHRD)	October 30– November 3, 2017	1

Information of additional responsibility

Responsibility	Duration
University Sports Coordinator	From August 2018—September 2020
Cynosure 2019 Coordinator	For year 2018
Avishkar Coordinator	For year 2018
Indradhanushya 2019, Member	For year 2019
Career Development Cell , Member	Dept. Faculty Coordinator from 2019
Start Up & Avishkar Cell, Member	From 20.08.2019
Local Purchase Committee Member (< 1 lakh)	From 03/03/2020
RGSTC Project Appraisal Committee Member	From 31/10/2019
Cynosure 2020,	Dept. faculty Advisor
Library Committee Member	From October, 2019
Department Research Committee Member	For 2019 to 2021
Technical Committee Member	From October, 2020
University Security Committee Member	From October, 2020
University PROTAN, President	From AY 2020-21
Associate Dean of Sports	From September, 2020
Adhoc staff selection committee member (Sports)	From 2018 to till date
Department Adhoc faculty selection committee member	AY 2021-22