

# Curriculum Vitae

**Name** : Dr. Ganesh Segoji Warkhade  
**Qualification** : B.E. (VRCE, Nagpur), August, 1999  
M.Tech. (DBATU, Lonere), September 2010  
Ph.D. (NIT Warangal), 19<sup>th</sup> 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 biofuelled DI variable compression ratio engine



**Email** : [gswarkhade@dbatu.ac.in](mailto:gswarkhade@dbatu.ac.in),

**Research Interests** : Alternative fuels, Engine downsizing and simulation, Latent heat energy storage.

**Achievement/ Award** : 6<sup>th</sup> 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.

## **TEACHING EXPERIENCE:**

Sr. No.	Name of the Institute	Post Held	Period	Number of years
<u>1</u>	Dr. B. A. T. U. Lonere	Associate Professor	March 15, 2019—Till date	4 Years 3 Months
<u>2</u>	Dr. B. A. T. U. Lonere	Assistant Professor	October 20, 20004 -- March 14, 2019	14 Years 5 Months
<u>3</u>	K. B.P. Engineering College , Satara	Assistant Professor	July 23, 2002 -- October 19, 20004	2 Years 3 Months

## **INDUSTRIAL / RESEARCH EXPERIENCE:**

Sr. No.	Name of the Industry / Organization	Post Held	Period	Number of years
1	M.S.R.T.C. Nagpur	Trainee Engineer	Nov. 15, 1999 – Nov 14, 2000	1
2	NIT Warangal	Research Scholar	July 2015 - July 2018	3

## **ADMINISTRATIVE EXPERIENCE:**

Sr. No.	Designation	Nature of Duties	Period	Number of years
1	Sports Coordinator	To manage sports activities	<u>2018-2020</u>	2 Yrs
2	Avishkar Coordinator	Event management	2018	1 Yr.
3	Cynosure Coordinator	Youth technical event management	2019	1 Yr.

4	Associate Dean of Sports	To manage sports activities	2020-2022	2 Yr.
5	Research Committee Member	Research activities	2019-2021	2 Yr.
6	Prof. in- Charge Procurement & e-tendering	All procurement activities	2020 to till date	3 Yr.

## RESEARCH PUBLICATIONS/CONTRIBUTIONS:

### Number of Publications (National /International Peer Reviewed Journal):

Sr. No.	Author/s	Title (with volume and year)	Name of Journal
1	Ganesh S. Warkhade, A. Veeresh Babu , Santosh Mane KGB	Experimental Investigation of Sensible Thermal Energy Storage in Small Sized, Different Shaped Concrete Material Packed Bed. 13/2016	World Journal of Engineering
2	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. 14/2017	World Journal of Engineering
3	Ganesh S. Warkhade, A. Veeresh Babu	Combustion and emission characteristics of an esterified linseed oil fuelled variable compression ratio diesel engine. 15/2018	World Journal of Engineering
4	Ganesh S. Warkhade, A. Veeresh Babu	Impact of supercharging and compression ratio on performance characteristics in a single cylinder DIC engine. 36/2018	International Journal of Heat & Technology
5	Ganesh S. Warkhade & A. Veeresh Babu	Experimental investigations on the feasibility of higher blends of biodiesel in variable compression ratio diesel engine. 39/2018	International Journal of Ambient Energy
6	Ganesh S. Warkhade & A. Veeresh Babu	Combustion characteristics of linseed (Linum usitatissimum) methyl ester fuelled biodiesel blends in variable compression ratio diesel engine. 2018	Australian Journal of Mechanical Engineering
7	Katam GB, Alur VB, Warkhade GS	Experimental investigations of direct injection compression ignition engine by using Coconut, and Karanja biodiesel fuels with emulsions of microalgae based antioxidant. 40/2019	International Journal of Ambient Energy
8	Katam, G. B. Alur, V. B.Kotha, M. M.and Warkhade, G. S.	The Performance and Emissions Investigations of Compression Ignition (CI) Engine Using Algal Biomass as an Antioxidant Additive in Coconut and Karanja Methyl Esters. 90/2020	Proceedings of the National Academy of Sciences, India Section A
9	Warkhade, G. S., Ganesh, K., & Babu, A. V.	Experimental Analysis and Parametric Optimization of Linseed Oil Methyl Ester Blend-Fueled Variable Compression Ratio Diesel Engine. 4/2023	Renewable Energy Research and Applications
10	Warkhade, G. S., Ganesh, K., & Babu, A. V.	Optimization of multi-response biodiesel fueled diesel engine parameters using Taguchi grey relational analysis (TGRA) and analytical hierarchy process (AHP).under production/2023	Environmental Progress & Sustainable Energy

### Number of Publications (National /International Peer Reviewed Conferences):

Sr. No.	Author/s	Title of paper with year of publication	Name of Conference
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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. 18 <sup>th</sup> 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	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	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	NIT Surat	February 6- 10, 2017	1
6	Effective methods of teaching the course on ‘ Internal combustion engines and alternate power sources	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