

Name: Dr. K. Bala showry

Designation: professor

Department: ME

Mail I'd: balashowry_k@vnrvjiet.in



Experience (in years): Teaching: 26 Research: -16 Others (if any, specify):

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	Ph.D	2014	Thermal Engineering
2	M.Tech	2003	Thermal Engineering
3	B.E	1991	Production Engineering

2. Teaching and Learning:

2.1. Teaching Interests: Thermal Engineering, Computational Fluid Dynamics,

2.2. Novel Teaching & Learning Techniques adopted: practice testing , Distributed practice

2.3. Involvement in curriculum updating / Design: “yes” updated curriculum for Fluid Mechanics and Machinery, Refrigeration and Airconditioning

3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies: Games and sports

3.2. CCA/ECA Organized:

3.3. CCA/ECA participated:

3.4. Counselling and Mentoring Activity: Yes

3.5. Committees involved in:

Department level: NAAC,

Institute Level: NAAC COMMITTEE, CANTEEN COMMITTEE, **Training and Placement Dept.**

NBA M.Tech Criterion Incharge

4. Conference / Workshop / Seminar / Guest Lectures :

4.1 Conducted: Two FDP programs conducted under thermal group

4.2 Attended: Refresher course in Thermal Engineering 3 weeks at JNTUH 2005

Work shop on NANO technology 3 days at JNTUH 2006

ICOICE at JNTUH 3 days 2009

Work shop on STAR CD for 3 days at JNTUA 2010

Advance Numerical Modelling Techniques for Mechanical Engineering 5 days at VNRVJIT 2017

Participated in Awareness on industry safety during covid 19 (workshop) SA Engineering college Chennai

Participated in Awareness program on outcome based education MLRIT Hyderabad

Attended for FDP at CMETC on 3D printing

Attended international seminar on art of writing scientific articles CIT Chennai

Attended webinar on knowledge 4 DRDO

Participated in FDP Emerging areas in Mechanical Engineering CMRTC Hyderabad

Attended FDP current affairs and research scope in Renewable Energy CIT Chennai

5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures: 0

5.2. Articles/Chapters published in Books: 0

5.3. Books published as single author or as editor: 0

5.4. Projects Guided :

a) UG :45

b) PG : 04

5.5. Research Interests : Computational Fluid Dynamics, IC Engines performance and Emissions , manufacturing and tribology

5.6. Ph.D students :

a) Enrolled : 0

b) Submitted:0

c) Awarded:0

5.7. Papers published in reviewed journals:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
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1	“Multidimensional Modelling and Simulation of Diesel Engine Combustion Using Multi pulse Injections by CFD”	International Journal of Dynamics of Fluids Vol6, No 2 (2010), pp.237-247, India.	0973-1784		International
2	Multi-Dimensional Modelling of Direct Injection Diesel Engine and Effects of Split Injection”.	International Journal of Scientific and Research Publications Vol2, Issue 1 Jan 2012, pp.1-8, India.	225-31530	2.07	International
3	Simulation of Injection angles on Combustion Performance Using Multiple Injection Strategy in HSDI Diesel Engine by CFD	International Journal of Engg and Technology Vol2 (4),(2010), pp.234-249	0975-4024	4.3	International
4	Reducing Particulate and NO _x Emissions by using split injection	International journal of science and research vol 4 Issue 3 2015pp 838-843	2319-7064	-4.438	International
5	Equilibrium Composition in Combustion Products	Indian Journal of research vol 4 issue 4 2015,pp 4-6	2250-1991	3.41	International
6	Experimental study on non-destructive Testing techniques”	International journal of Engineering and General Science vol3 issue 1 Jan2015 pp 211-216.	2091-2730	3.99	International

7	Effect of split injection on the emissions with different diesel fuels	International journal of Emerging trends in Engineering and Development. Issue 5 vol 2 Feb 2015,PP 272-285	2249-6149	3.22	International
8	Modelling combustion and emissions of HSDI Diesel Engines using injectors with different spray angles	International journal of Aerospace and Mechanical Engineering vol 3 issue 1 2016 pp 25-31	2293-8609		International
9	CFD analysis on performance and emissions in DI diesel engine with high injection pressure injections	International journal of technology enhancements and emerging research vol3 issue 4 2015 pp 85-92	2347-4289		International
10	Experimental Investigation using split injection	I manager journal of mecahnica engineering vol5 issue 3 2015pp36-47			National
11	Mechanism of emission reduction in HSDI diesel engine : split injection	International journal of Thermal and Environmental Engineering vol9 issue 2 2015 pp 117- 126			International
12	Diesel engine emission control techniques a review on split injection	International journal of research in aero nautical and mechanical engineering vol 4 issue 2 2016 pp 18-31	2321-3051		International
13	Soot Process in diesel engines a review	IPASJ vol 3 issue 4 2015 pp 1-9	2321-6441		International

14	Evaluation of mechanical properties of lady finger-sisal fiber reinforced hybrid polyester composites	IJAERD Vol 4 issue 11 pages 868-877 :	2348-4470,		International
15	Solar air cooler cum heater with auto tracking	International journal of Engineering research. Vol4 issue1.	2395-5163		International
16	Estimation of wear and Friction force during cold forging of Al alloy using pin on Disc	Journal of Advanced manufacturing systems	Reviews completed about to publish in Springer journal JBTC		
17	Study on tribological investigations of alternative automotive brake pad materials	Australian Journal of Mechanical Engineering	Published Oct 2020 in Springer journal Taylor and Francis		
18	Effect of heat transfer through arbitrary shaped fins using CFD	IJAET	Published Oct 2020 in Scopus journal		

5.8. Papers presented at National / International Journals:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Emission control using multi pulse injection in a direct injection diesel engine	(Asian Pacific Conference on Combustion) -2010 International Conference. Contributed Paper pp.916-920.	Asian continental conference	2010
2	Simulation of Diesel Engine Combustion using split injection	Proceedings of 21 st National conference on IC engines and combustion	National	2009
3	Split injection on diesel engine and emissions	Icam2k16	International conference	2016

5.9. Sponsored research Projects:

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed
-	-	-	-	-	-

5.10 Consultancy Projects:

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed
-	-	-	-	-	-

6. Awards / Honors received: - Reviewer for Journal of Tribo and Corrosion (Springer journal)

7. Motto: