

S J P N Trust's Hirasugar Institute of Technology, Nidasoshi

FACULTY PROFILE

1. **Name in full** : BHIMANAGOUD DODAMANI
2. **Contact Nos.** : +91-9535447575
3. **Email ID** : bhimanagouda005@gmail.com
4. **Date of Birth** : 01-07-1987
5. **Address for communication** : GUEST HOUSE, HIT CAMPUS,
AT/POST-NIDASOSHI (BELGAUM)
6. **Educational qualifications:**



Sl. No.	Degree	University/Institution	Year	Specialization
1	M.Tech.	VTU Belgaum	2014	ENERGY SYSTEMS ENGINEERING
2	B.E.	VTU Belgaum	2010	Mechanical(General)

7. **List of all previous employment:**

Sl. No.	Name of the Employer/ Institution	Period		Designation
		From	To	
1	Hirasugar Institute of Technology, Nidasoshi	Aug 2016	Till Date	Asst. Professor
2	Hirasugar Institute of Technology, Nidasoshi	Aug 2014	Aug 2016	Lecturer
4	B V B College of Engg & Technology, Hubli	Jan 2014	July 2014	Research Scholar
3	Jindal Steels Limited, Toranagallu, Bellary	Dec 2010	Sep 2012	Assistant Engineer
Total years of Experience				04 years

8. **Date of Service in this Institution: Aug. 2014**

9. **Total Experience in years: 06 Years**

10. **Subjects of Interest:**

- Internal Combustion Engines
- Power Plant Engineering
- Computational Fluid Dynamics
- Heat Transfer
- Renewable Energy systems
- Energy Management
- Energy systems Modeling and analysis
- Basic Thermodynamics
- Mechanical measurements and Metrology
- Mechatronics and Microprocessor

11. **Publications in National and International Journals & Conferences:**

International Journals

- Sunilkumar Kattimani, S. N.Topannavar M M Shivashimpi & **B M Dodamani** "Experimental Study on the effect of CR and nozzle geometry on the performance & emission of DI engine fueled with FOME". Journal of Engineering & Applied Science, ISSN: 1818-7803
- Sunilkumar Kattimani, S. N.Topannavar, M M Shivashimpi & **B M Dodamani**. "Experimental investigation of Compression ratio and Fuel injection strategies on Single

cylinder DI Diesel Engine operated with FOM Bio diesel". Jordan Journal of Mechanical and Industrial Engineering, ISSN: 1995-6665 (Communicated).

- Mahantesh M Shivashimpi, Dr. S.A. Alur Prof. S. N. Topannavar and **Prof. B M Dodamani**, paper entitled "Combined effect of combustion chamber shapes and nozzle geometry on the performance and emission characteristics of CI engine operated on Pongamia." published in International Journal of Energy, Volume 154, 1 July 2018, Pages 17-26 Published by Elsevier.
- N R Banapurmath, **B M Dodamani**, S V Khandal, S S Hiremath, V B math "Performance, Emission characteristics of Dual fuel (DF) and Homogeneous Charge Compression Ignition Engine(HCCI) Operated on Compressed Natural Gas(CNG)-Uppage oil Methyl Ester(UOME)" published in the Universal Journal of Renewable Energy 2 (2014), 32-44
- Mahantesh M. Shivashimpi, S.A. Alur, S.N. Topannavar, **B.M.Dodamani** "Combined effect of combustion chamber shapes and nozzle geometry on the performance and emission characteristics of C.I. engine operated on Pongamia" Energy, ELSEVIER, 154 (2018) 17e26
- **B M Dodamani**, S B Yapalaparvi, Jagadeesh A "Performance, Emission and Combustion Characteristics of Hydrogen, CNG operated HCCI engines with HnOME Biodiesel" published in the International Journal of Latest technology in engineering, Management and Applied Science, ISSN 2278-2540 Vol. 3, Sep 2014.
- K M Akkoli, **B M Dodamani**, Jagadeesh A, Ravi, C "Design and Construction of Food waste Biogas plant for Hostel Mess" Published in International Journal of Scientific Research and Development, ISSN 2321-0613 Vol 3, Issue 3, May 2015
- N M Ukkali, S B Yapalaparvi, **B M Dodamani**, M A Hipparagi "Analysis of Damping coefficient on aluminium composite for their damping characteristics using FEA " Published in International Journal of Scientific Research and Development, ISSN 2321-0613 Vol 3, Issue 4, June 2015
- Harish Naik, Jagadeesh A, **B M Dodamani**, Kushal Ambli "Performance and Emission characteristics of Multi- Cylinder DI Diesel engine operating on JOME and Diesel published in International Journal of Advance Research in Science and Engineering" ISSN: 2319-8354, Impact factor- 1.142,Volume 05, Special Issue-01, March 2016
- **B M Dodamani**, R B Baligar, S B Patil, S G Aladakatti, K P Talikeri "Effect of Ethanol and Honge oil methyl ester (HOME) biodiesel blends on the performance and emission characteristics of CI engine with and without Preheat, published in International Journal of Scientific Development and Research(IJSDR)", ISSN:2455-2631, Impact factor:2.87, Volume:1, Issue:6, June 2016
- Kushal Ambli, **B M Dodamani**, Jagadeesh A "Optimization of Material input in Induction furnace for Casting" published a paper in International Journal of Science and Technology, Volume 12, Issue 25 (Special Issue) December 2016, ISSN 2230-9559

National Conferences

- **B M Dodamani**, Jagadeesh A, Kushal Ambli, Hareesh Naik, N M Ukkali, presented a paper entitled “Performance, Emission characteristics of Dual fuel (DF) and Homogeneous Charge Compression Ignition Engine(HCCI) Operated on Compressed Natural Gas(CNG)-Uppage oil Methyl Ester(UOME)” at “National conference on Make in India- An opportunities for Emerging Engineering Technologies” held at S G Balekundri Institute of Technology, Belagavi, 5th to 6th Feb 2016 and secured **BEST PAPER AWARD** in Thermal Engg stream
- Sagar R Sajjan, Jagadeesh A, **B M Dodamani**, Kushal G Ambli presented a paper entitled “Fuel saving by Thermic fluid boiler” in National Conference on Emerging Trends in Engineering, Technology & Architecture 2016, held at D Y Patil College of Engineering and Technology, Kolhapur, ISBN 978-81-920561-8-0, ,page no- 482-486, 30th Feb 2016
- Harish Naik, Jagadeesh A, **B M Dodamani**, Kushal Ambli presented a paper entitled “Performance and Emission characteristics of Multi- Cylinder DI Diesel engine operating on JOME and Diesel” in International conference on Recent Innovations in Engineering and Management” held at Dhananjay Mahadik Group of Institutions, Kolhapur, 24th March 2016
- S B Awade, N M Ukkali, Jagadeesh A, **B M Dodamani** presented a paper entitled “Finite Element analysis of smart composite plates using ANSYS, in 3rd National conference on Advances in Mechanical Engineering” held at K S School of Engineering and Management, Bangalore during 29th April 2016

International conferences

- Kushal Ambli, **B M Dodamani**, Jagadeesh A Presented a paper entitled “Optimization of Material input in Induction furnace for Casting” published a paper in International conference on Recent innovations in Engineering ICRIE-2016 held during 8th and 9th October 2016 at HIT, Nidasoshi.
- M M Shivashimpi, Dr. S A Alur, S N Topannavar, **B M Dodamani**, paper entitled “Combined Effect of Cylindrical combustion chamber shape and Nozzle geometry on the performance and emission characteristics of CI engine operated on Pongemia” selected for presentation in 1st International 18th ISME conference on Enabling Sustainable Development in Mechanical Engineering at National Institute of Technology, Warangal, Telangana, during Feb 23-25, 2017
- Sunilkumar Kattimani, **B M Dodamani**, Kushal Ambli, N M Ukkali, Anant Bhavimani “Comparison study on Effect of ethanol and HOME biodiesel blends on the performance and emission characteristics of CI engine with and without Preheat” in International Conference on Recent Innovations in Science, Engineering & Technology (ICRISET-2018) held at HSIT, Nidasoshi during 18th -19th May 2018

12. Training Programming Programmes/Workshops/Seminars/STTPs/Symposiums Attended

S.N.	Topic	Period	Date	Venue
1	Recent advances in Materials properties-	3 days	16 to 19 Jan 2018	HSIT, Nidasoshi
2	Condition Monitoring	2 days	9 th to 10 th January 2017	SJEC, Mangalore
3	International conference on Recent innovations in Engineering, ICRIE-2016	2 Days	8 th to 9 th October 2016	HIT, Nidasoshi
4	“International conference on Recent Innovations in Engineering and Management”	1 Day	24-03-2016	Dhananjay Mahadik Group of Institutions, Kolhapur
5	National conference on “Make in India- An opportunities for Emerging Engineering Technologies”	2 Days	5-2-2016 to 6-2-2016	S.G.B.I.T, Belagavi
6	One week ISTE sponsored STTP on “Computer Aided Engineering Analysis”	1 week	4-01-2016 to 8-01-2016	Don Bosco College of Engineering, Fatorda, Goa
7	QIP Sponsored STTP on Fundamentals of Fluid mechanics through Experiments	1 Week	11-05-2015 to 15-05-2015	IIT BOMBAY

13. Awards/Achievements

- Secured **2nd Rank (Silver Medalist)** in Master of Technology (Energy Systems Engineering) from B V Bhoomaraddi College of Engineering & Technology, Hubli, FAY 2014 batch
- The paper authored by me entitled “Performance, Emission characteristics of Dual fuel (DF) and Homogeneous Charge Compression Ignition Engine (HCCI) Operated on Compressed Natural Gas (CNG)-Uppage oil Methyl Ester (UOME)” is selected as a ‘**SECOND BEST PAPER AWARD**’ in ‘National Conference on Make in India- An opportunities for Emerging Engineering Technologies’ held at S.G.Balekundri Institute of Technology, Belagavi during 5th to 6th February 2016.

14. Details of Memberships in societies:

- Life Member of ISTE