

PROFILE OF FACULTY

- 1. NAME:** Dr. Madhukeshwara. N
- 2. DATE OF BIRTH:** 29/10/1980
- 3. ADDRESS**
- OFFICE/COLLEGE:** Jain Institute of Technology
323, Near Veereshwara Punyashrama,
Avaragere, Davangere- 577005
- RESIDENCE:** s/o Nanjundappa. A. S
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- 4. CONTACT NO:** 9242202964
- LAND LINE:** **FAX:**
- 5. EMAIL ID:** madhu_keshwara@yahoo.co.in
- 6. DESIGNATION:** **Professor**
- 7. DEPARTMENT:** Mechanical Engineering
- 8. DATE OF JOINING:** 02/01/2017
- 9. EXPERIENCE (YEARS)**
- TEACHING:** 14
- INDUSTRY:** 00
- RESEARCH:** 00

QUALIFICATIONS:

Sl.No.	Degree	University	Year	Subjects	Percentage
1	B.E.	Visvesvaraya Technological University (VTU), Belagavi, Karnataka	2002	Mechanical Engineering	72%
2	M.Tech.	Kuvempu University (KU), Shankaraghatta, Karnataka	2005	Thermal Engineering Systems Technology	84%
3	Ph.D	Kuvempu University (KU), Shankaraghatta, Karnataka	2014	Mechanical Engineering	Awarded

10. EXPERIENCE: (reverse chronological order)

Positions	Institution/ Industry	Period		Nature of Job	No of Years (yy/mm/dd)
Professor	JIT, Davanagere	02-01-2017	Till date	Teaching and academic related works	--
Professor	AITM, Belgaum	25-07-2016	31-12-2016	Teaching and academic related works	00/06/07
Professor	HITS, Hyderabad	05-03-2016	30-06-2016	Teaching and academic related works	00/03/26
Associate Professor & Head	KLEIT, Hubli	26-08-2014	04-03-2016	Teaching and academic related works	01/06/09
Associate Professor	Dr.DYPSOEA, Pune	01-08-2014	24-08-2014	Teaching and academic related works	00/00/24
Assistant Professor	BIET, Davanagere	01-09-2012	31-07-2014	Teaching and academic related works	01/10/00
Lecturer	BIET, Davanagere	10-08-2010	31-08-2012	Teaching and academic related works	02/00/21
Senior Lecturer	SDMCET, Dharwad	13-08-2009	09-08-2010	Teaching and academic related works	00/11/27
Lecturer	STJIT, Ranebennur	01-09-2004	12-08-2009	Teaching and academic related works	04/11/12

11. FACULTY DEVELOPMENT PROGRAMMES/TRAINING /WINTER SCHOOLS /WORKSHOP /SUMMER ATTENDED (reverse chronological order)

Sl. No	Name of the Training Program	Organized by	Date		No. of Days
1.	Faculty Development Program	S.T.J. I.T, Ranebennur	01/10/2005	02/10/2005	02
2.	Composite Materials	G.M.I.T, Davanagere	03/12/2005	03/12/2005	01
3.	Gaseous Fuels for Future Automobiles	U.B.D.T.C.E, Davanagere	11/02/2006	11/02/2006	01
4.	Progress in Renewable Energy Sources	S.T.J. I.T, Ranebennur	17/03/2006	18/03/2006	02
5.	Recent Trends in Combustion Data Analysis of IC Engine	Dr. A.I.T, Bangalore	18/08/2006	18/08/2006	01

6.	Computer Aided Engineering Drawing	S.T.J. I.T, Ranebennur	27/09/2006	29/09/2006	03
7.	Computer Aided Machine Drawing	S.T.J. I.T, Ranebennur	12/07/2007	14/07/2007	03
8.	Renewable Energy Sources	S.T.J. I.T, Ranebennur	28/03/2008	29/03/2008	02
9.	Recent Trends in Renewable Energy Sources	S.T.J. I.T, Ranebennur	09/06/2008	13/06/2008	05
10	Combustion and CFD Modeling of IC Engines	B.I.E.T, Davanagere	15/04/2009	15/04/2009	01
11	Energy Sustenance Towards a Better Environment	S.D.M.C.E.T, Dharwad	25/09/2009	25/09/2009	01
12	Think – 10 (Event Autovaganza)	S.D.M.C.E.T, Dharwad	02/04/2010	03/04/2010	02
13	Computational Fluid Dynamics	B.I.E.T, Davanagere	07/11/2013	07/11/2013	01
14	Faculty Knowledge Program	ICFAI Group (IBF), Belgaum	18/08/2016	18/08/2016	01
15	Prabhudda Bharat	V.T.U. Belgaum	24/09/2016	25/06/2016	02
16	Popularization of remote sensing based maps and Geospatial information	Indian Society of Remote Sensing and Indian Space Research Organization J.I.T, Davanager	11/08/2017	11/08/2017	01
17	Faculty development program on “student induction”	(AICTE Sponsored) S.J.C.E. Mysore	10/07/2018	12/07/2018	03

12. FACULTY DEVELOPMENT PROGRAMMES/TRAINING/WORKSHOPS /SUMMER /WINTER SCHOOLS ORGANISED (reverse chronological order)

Sl. No.	Seminar/ Workshop/ STTP	From	To	Institution/ Industry	Remarks
1	Progress in Renewable Energy Sources	17/03/2006	18/03/2006	S.T.J. I.T, Ranebennur	National Workshop
2	Renewable Energy Sources	28/03/2008	29/03/2008	S.T.J. I.T, Ranebennur	State Level Workshop
3	Think – 10 (Event Autovaganza)	02/04/2010	03/04/2010	S.D.M.C.E.T, Dharwad	National Workshop
4	Computational Fluid Dynamics	07/11/2013	07/11/2013	B.I.E.T, Davanagere	National Workshop

13. FACULTY AS RESOURCE PERSONS IN FACULTY DEVELOPMENT PROGRAMME/TRAINING/WORKSHOP/SUMMER/WINTER SCHOOLS (reverse chronological order)

Nil

14. CONFERENCE /SEMINARS/PROFESSIONAL SOCIETY ACTIVITIES/EVENTS ATTENDED (reverse chronological order)

International Conference Papers

1. Madhukeshwara. N and E. S Prakash, “*Heat Transfer and Friction in Solar Air Heater Duct with Ribbed Absorber Plate*”, International conference on emerging trends in engineering, ICETE – 2011, NMAM Institute of Technology, Nitte, May 4th to 5th 2011,. United Publishers Pvt. Ltd. ISBN:978-93-8119-507-9, pp 688-692.
2. Madhukeshwara. N, C. N. Nataraj and E. S Prakash, “*Computer aided and experimental analysis of heat transfer and friction in solar air heater duct with v-shaped rib roughness on absorber plate*”, International conference & exhibition on total engineering, analysis & manufacturing technologies, TEAM TECH – 2007, Indian Institute of Science (IISc), Bangalore, October 4th to 6th 2007, pp 62-63.
3. Madhukeshwara. N and C. N. Nataraj, “*Computer aided and experimental analysis of heat transfer and friction in solar air heater duct with artificial rib roughness on the absorber plate*”, International congress on renewable energy for sustainable development, ICORE – 2006, organized by Solar Energy Society of India (SESI),HITEC, Hyderabad, February 8th to 11th 2006, Poster Presentation.

National Conference Papers

1. Veeresh G. Gunjalli and Madhukeshwara N, “*Performance analysis of small scale wind turbine at various angles of attack with different velocities*”, Third National Conference on Emerging Trends in Mechanical Engineering, NCETM-2018, Adichunchanagiri Institute of Technology, Chikkamagaluru, 4th May 2018. (Awarded as Best paper)
2. Veeresh G. Gunjalli and Madhukeshwara N, “*Performance analysis of small scale wind turbines with different shrouds*”, Third National Conference on Emerging Trends in Mechanical Engineering, NCETM-2018, Adichunchanagiri Institute of Technology, Chikkamagaluru, 4th May 2018.
3. Madhukeshwara. N and E. S. Prakash, “*Theoretical study of heat transfer and friction in solar air heater duct with ribbed roughness on the absorber plate*”, National Conference on Recent Advances in Mechanical Engineering and their Impact on Indian Industries,

RAMEIII-2012, PDA College of Engineering, Gulbarga-585102, 20th to 22nd September, 2012, pp 28.

4. Madhukeshwara. N and E. S. Prakash, “*Performance analysis of solar flat plate collector with different selective coatings*”, National conference on advances in mechanical engineering, NAME - 2010, Jawaharlal Nehru National College of Engineering, Shimoga, 24th & 25th September 2010. Allied Publishers Pvt. Ltd. ISBN:978-81-8424-623-0. pp 191-196.
5. Madhukeshwara. N and E. S. Prakash, “*A study on scaling due to hard water on different metals*”, National conference on Recent trends in mechanical engineering, RTME – 2009, Vemana Institute of Technology, Bangalore, 23rd & 24th November 2009. pp 269-275.
6. Madhukeshwara. N and E. S. Prakash, “*An investigation on the performance characteristics of solar flat plate collector with different selective surface coatings*”, National conference on emerging trends in engineering technology and applications, NCETETA – 2009, Shirdi Sai Engineering College, Bangalore, 29th & 30th April 2009. pp 488-491.
7. Madhukeshwara. N and E. S. Prakash, “*A Study On Performance Characteristics Of Solar Flat Plate Collector With Different Selective Coatings*”, National conference on New advances in thermal, design, materials and manufacturing engineering, NATDMME – 2009, Malnad College of Engineering, Hassan, 5th to 7th March 2009, pp 39.
8. Madhukeshwara. N and E. S Prakash, “*Heat transfer and friction characteristics in solar air heater duct with artificial roughness on the absorber plate*”, Thirty fifth national conference on Fluid mechanics and fluid power, FMFP – 2008, PES Institute of Technology, Bangalore, 11th to 13th December 2008, pp 447-454.
9. C. N. Nataraj, Madhukeshwara. N and Suhel Ahmed Khan. I.L, “*Experimental investigation of heat transfer and friction factor using semi circular ridges on absorber plate of solar air heater*”, National conference on current trends in technology, NUCONE – 2006, Nirma Institute of Technology, Nirma University, Ahmedabad, 30th November to 2nd December 2006, pp 239-241.

15. CONFERENCES/SEMINARS/PROFESSIONAL SOCIETY ACTIVITIES/EVENTS ORGANIZED (reverse chronological order)

Nil

16. PAPERS PUBLISHED:

SI No	Type of publication	No. of publications
1	International Journal	17

2	National Journal	Nil
3	International Conferences	03
4	National Conferences	09

17.DETAILS OF PAPER PUBLISHED (along with DOI and publication/citation details) (reverse chronological order)

1. Veeresh G. Gunjalli and Madhukeshwara N, “Performance analysis of small scale wind turbines with different shrouds”, International Journal of Scientific Research and Reviews (An ISO: 7021 – 2008 Certified and UGC Approved Journal(64650)) , Volume 7, Issue 5, May 2018, ISSN 2279-543X. (IMPACT FACTOR: 6.1)
2. Veeresh G. Gunjalli and Madhukeshwara N, “Performance analysis of small scale wind turbine at various angles of attack with different velocities”, International Journal of Scientific Research and Reviews (An ISO: 7021 – 2008 Certified and UGC Approved Journal(64650)) , Volume 7, Issue 5, May 2018, ISSN 2279-543X. (IMPACT FACTOR: 6.1)
3. Arun Kumar M B, and Madhukeshwara. N, “*Evaluation of compressive properties of Epoxy resin filled with flyash PMCs*”, International Journal of Advanced Material Sciences, Volume 7, Issue 1, April 2016, ISSN 2231-1211.
4. Madhukeshwara. N, N. H. Siddalinga Swamy, “*Effect of Various Artificial Roughness Parameterson Heat Transfer and Friction Characteristics forFlow Inside Rectangular Ducts of Solar Air Heater*” International Advanced Research Journal in Science, Engineering and Technology, Volume 3, Issue 09, September 2016, ISSN 2393-8021, pp 106-112. (IMPACT FACTOR: 3.943)
5. Madukeswara N, Sohan A N, “*Estimation of Emissions and Testing of Cold Flow Properties of Biodiesel & its Blends with Diesel*” International Journal of Energy, Environment and Economics, Volume 24, Issue 1, 2016, ISSN 1054-853X. (IMPACT FACTOR: 0.51)
6. E. S. Prakash, Madhukeshwara N, Veeresh G. Gunjalli and Dadapeer, “*Modeling a Shroud for the Wind Turbine and Carrying a Fluid Flow Analysis Using CFD Software Package*” International Research Journal of Engineering and Technology, Volume 2, Issue 3, June 2015, ISSN 2395-0072, pp 1749-1754. (IMPACT FACTOR: 4.45)
7. E. S. Prakash, Madhukeshwara N, Veeresh G. Gunjalli and Dadapeer, “*Experimental Investigation on a Convergent-Divergent Shrouded Small Scale Wind Turbine*” International Research Journal of Engineering and Technology, Volume 2, Issue 3, June 2015, ISSN 2395-0072, pp 1745-1748. (IMPACT FACTOR: 4.45)
8. Vikram Bharath B. R. and Madhukeshwara. N, “*A Comparison of Transverse Section with Arc Shaped Turbulators as an Artificial Roughness on the Absorber Plate of a Solar Air Heater*” International Journal of Science and Research, Volume 4, Issue 3, March 2015, ISSN 2319-7064, pp 1406-1414. (IMPACT FACTOR: 5.611)
9. Vikram Bharath B. R. and Madhukeshwara. N, “*A Study on the Performance of Solar Air Heater Using Arc Shaped Turbulators on the Absorber Plate*” International Journal of Research in Aeronautical and Mechanical Engineering, Volume 2, Issue 6, June 2014, ISSN 2321-3051, pp 116-136. (IMPACT FACTOR: 0.875)
10. Madhukeshwara. N and E. S. Prakash, “*Computer aided thermo-hydraulic performance analysis of solar air heater with ribbed roughness on the absorber plate*”, International Journal of Research in Aeronautical and Mechanical Engineering, Volume 2, Issue 1, January 2014, ISSN 2321-3051, pp 129-136. (IMPACT FACTOR: 0.875)

11. Sadashiv and Madhukeshwara. N, “*Numerical simulation of enhancement of heat transfer in a tube with and without rod helical tape swirl generators*”, International Journal of Research in Aeronautical and Mechanical Engineering, Volume 2, Issue 1, January 2014, ISSN 2321-3051, pp 112-128. (IMPACT FACTOR: 0.875)
12. Jagadeesh. S. Pattanashetti and Madhukeshwara. N, “*Numerical investigation and optimization of solar tower power plant*”, International Journal of Research in Aeronautical and Mechanical Engineering, Volume 2, Issue 1, January 2014, ISSN 2321-3051, pp 92-104. (IMPACT FACTOR: 0.875)
13. Shakarmurthy. H. M, Madhukeshwara. N and S. Kumarappa, “*Assessment of boundary layer flow modeling approaches in computational fluid dynamics for compressible external aerodynamics using NACA-64618 Airfoil*”, International Journal of Innovative Research in Science, Engineering and Technology, Volume 2, Issue 7, July 2013, ISSN 2319-8753, pp 3137-3144. (IMPACT FACTOR: 1.682)
14. Ravi H. C, Madhukeshwara. N and S. Kumarappa, “*Numerical investigation of flow transition for NACA-4412 airfoil using computational fluid dynamic*”, International Journal of Innovative Research in Science, Engineering and Technology, Volume 2, Issue 7, July 2013, ISSN 2319-8753, pp 2778-2785. (IMPACT FACTOR: 1.682)
15. Madhukeshwara. N and E. S. Prakash, “*An investigation of heat transfer enhancement and friction characteristics in solar air heater duct with cube shaped uniform roughness on the absorber plate*”, International Journal of Mechanical Engineering, Volume 2, Issue 3, 2013, ISSN 2319-2240, pp 1-12. (IMPACT FACTOR: 3.2766)
16. Madhukeshwara. N and E. S. Prakash, “*An investigation of heat transfer augmentation and friction characteristics in solar air heater duct with V-shaped wire as artificial roughness on absorber plate*”, International Journal of Energy and Environment, Volume 4, Issue 3, 2013, ISSN 2076-2895, pp 519-538.
17. Madhukeshwara. N and E. S. Prakash, “*An investigation on the performance characteristics of solar flat plate collector with different selective surface coatings*”, International Journal of Energy and Environment, Volume 3, 2012, ISSN 2076-2895, pp 99-108.

18. BOOKS / CHAPTERS PUBLISHED & E-LEARNING MATERIALS DEVELOPED

Nil

19. FACULTY INTELLECTUAL PROPERTY RIGHTS (Give details)

Nil

20. FUNDED R & D PROJECTS & CONSULTANCY WORK (Give details)

Nil

21. FACULTY INTERACTION WITH OUTSIDE WORLD (Give details)

Nil

22. AWARD / RECOGNITION

Nil

23. NUMBER OF PROJECTS GUIDED

UG: 14

PG: 05

PhD: Guiding one candidate

24. SUBJECTS TAUGHT

PG Subjects (M.Tech – Thermal Power Engineering)

1. Steam and gas turbine
2. Non-conventional energy sources
3. Convective heat and mass transfer
4. Theory of IC Engines
5. Alternative fuels for IC Engines
6. Refrigeration and air conditioning

UG Subjects (BE – Mechanical Engineering, Industrial Production Engineering)

1. Internal combustion engines
2. Refrigeration & air conditioning
3. Cryogenics
4. Fluid mechanics
5. Power plant Engineering
6. Fluid machinery
7. Turbo machines
8. Energy engineering
9. Non conventional energy sources
10. Biomass energy
11. Basic thermodynamics
12. Applied thermodynamics
13. Automotive engineering
14. Computer integrated manufacturing
15. Manufacturing process
16. Industrial robotics
17. Energy conversion laboratory
18. Heat transfer laboratory
19. Fluid machinery laboratory
20. CAD/CAM/CAE laboratory

UG Subjects (BE – I year – Common to all branches of Engineering)

1. Mechanical engineering science
2. Computer aided engineering drawing

3. Engineering drawing (Manual drawing)
4. Engineering graphics (Manual drawing)
5. Workshop practice

25. MEMBERSHIP OF PROFESSIONAL BODIES

26. Life member of The Combustion Institute No.LMC-1133, date of joining 11-12-2009.
27. ISTE Member

28. BRIEF ON ACTIVITIES FOR INSTITUTIONAL DEVELOPMENT

Working as a Professor in the department of Mechanical Engineering. I actively involved in academic related issues and preparation of NBA documents.

29. OTHER ASSIGNMENTS

Nil