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1. Name: Dr. Madhukeshwara. N
2. Designation: Professor
3. Department: Mechanical Engineering Department
4. Academic Background:

	<b>College/University</b>	<b>Department/Specialization</b>
<b>Ph.D.</b>	2014 – Kuvempu University, Shankaraghatta	Mechanical Engineering
<b>Masters Degree</b> (M.Tech./M.Sc/MCA)	2005 – Kuvempu University, Shankaraghatta	Thermal Engineering And Systems Technology
<b>Bachelor Degree</b> (BE, B.Tech., BCA, B.Sc.)	2002 – VTU, Belgaum	Mechanical Engineering

5. Contact number: 9242202964
6. Email id: (jitd.in, and any ): madhu\_keshwara@yahoo.co.in
7. Date of joining jitd: 02/01/2017
8. Experience (in years):

Research	Industry	Academic
09	00	13

9. Name of Ph.D. Guide and designation and address: Dr. E.S. Prakash, Professor, UBDTCE, Davanagere

10. Publication Statistics:

	International	National
Conference	03	07
Journal	14	--

11. Areas of interest: Thermal Engineering
12. List of Conferences / Symposiums / Summer Schools / Faculty Development Programs and Workshops Attended or volunteered.

#### 15.1. Seminars/Workshops/STTP Coordinated

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

### 15.2. Seminars/Workshops/Conclave/STTP attended

Sl. No.	Seminar/Workshop/STTP	From	To	Institution/ Industry
1	Faculty Development Program	01/10/2005	02/10/2005	S.T.J. I.T, Ranebennur
2	Composite Materials	03/12/2005	03/12/2005	G.M.I.T, Davanagere
3	Gaseous Fuels for Future Automobiles	11/02/2006	11/02/2006	U.B.D.T.C.E, Davanagere
4	Progress in Renewable Energy Sources	17/03/2006	18/03/2006	S.T.J. I.T, Ranebennur
5	Recent Trends in Combustion Data Analysis of IC Engine	18/08/2006	18/08/2006	Dr. A.I.T, Bangalore
6	Computer Aided Engineering Drawing	27/09/2006	29/09/2006	S.T.J. I.T, Ranebennur
7	Computer Aided Machine Drawing	12/07/2007	14/07/2007	S.T.J. I.T, Ranebennur
8	Renewable Energy Sources	28/03/2008	29/03/2008	S.T.J. I.T, Ranebennur
9	Recent Trends in Renewable Energy Sources	09/06/2008	13/06/2008	S.T.J. I.T, Ranebennur
10	Combustion and CFD Modeling of IC Engines	15/04/2009	15/04/2009	B.I.E.T, Davanagere
11	Energy Sustenance Towards a Better Environment	25/09/2009	25/09/2009	S.D.M.C.E.T, Dharwad
12	Think – 10 (Event Autovaganza)	02/04/2010	03/04/2010	S.D.M.C.E.T, Dharwad
13	Computational Fluid Dynamics	07/11/2013	07/11/2013	B.I.E.T, Davanagere
14	Faculty Knowledge Program	18/08/2016	18/08/2016	ICFAI Group (IBF), Belgaum
15	Prabhudda Bharat	24/09/2016	25/06/2016	V.T.U. Belgaum

16	Popularisation of Remote Sensing Based Maps and Geospatial Information	11/08/2017	11/08/2017	Indian Society of Remote Sensing and Indian Space Research Organisation
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13. List of achievements:

- A. Completed six months Auto CAD course in Lakhotia computer centre (LCC), Davanagere, Karnataka. with 90% marks vide Reg.No.PRO/KAR/70892.
- B. Completed three months ANSYS course in Quality engineering and software technologies (QuEST) Bangalore, Karnataka.
- C. Worked as coordinator for “Akshaya Urja Club” at STJIT, Ranebennur.
- D. Worked as Lab Incharge of Energy Conversion Laboratory at STJIT, Ranebennur.
- E. Worked as Lab Co-Incharge of CAD/CAM/CAE Laboratory at STJIT, Ranebennur.
- F. Worked as Lab Incharge of CAED/CAMD Laboratory at STJIT, Ranebennur.
- G. Completed many consultancy works at STJIT, Ranebennur.
- H. Life member of The Combustion Institute No.LMC-1133, date of joining 11-12-2009.
- I. Worked as resource person in national workshop THINK – 10 (Event -AUTOVAGANZA) held at SDMCET, Dharwad on 2<sup>nd</sup> and 3<sup>rd</sup> April 2010.
- J. Worked as co-coordinator in national workshop THINK – 10 (Event -AUTOVAGANZA) held at SDMCET, Dharwad on 2<sup>nd</sup> and 3<sup>rd</sup> April 2010.
- K. Worked as resource person in MECH-IPRIX, National level student symposium held at BIET, Davanagere on 8<sup>th</sup> April 2011.
- L. Served as Deputy Chief Superintendent (External) of VTU June/July 2011 examination at GMIT, Davanagere from 10<sup>th</sup> to 23<sup>rd</sup> June 2011.
- M. Shouldering responsibility as Dean Academics in the present institute.
- N. Contributing as reviewer of “Journal of Technological Advances and Scientific Research”.

14. List of significant publications (In IEEE citation format)

- A. International Journals
  - i. 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.
  - ii. 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.
  - iii. 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)
  - iv. 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)

- v. 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)
- vi. 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)
- vii. 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)
- viii. 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)
- ix. 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)
- x. 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)
- xi. 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)
- xii. 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)
- xiii. Nagaraj A M, 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)
- xiv. Madhukeshwara. N, N. H. Siddalinga Swamy, “Effect of Various Artificial Roughness Parameters on Heat Transfer and Friction Characteristics for Flow 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)

B. International Conference

- i. 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 8<sup>th</sup> to 11<sup>th</sup> 2006, Poster Presentation.

- ii. 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 4<sup>th</sup> to 6<sup>th</sup> 2007, pp 62-63.
- iii. 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 4<sup>th</sup> to 5<sup>th</sup> 2011,. United Publishers Pvt. Ltd. ISBN:978-93-8119-507-9, pp 688-692.

C. National Conference

- i. 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, 30<sup>th</sup> November to 2<sup>nd</sup> December 2006, pp 239-241.
- ii. 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, 11<sup>th</sup> to 13<sup>th</sup> December 2008, pp 447-454.
- iii. 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, 5<sup>th</sup> to 7<sup>th</sup> March 2009, pp 39.
- iv. 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, 29<sup>th</sup> & 30<sup>th</sup> April 2009. pp 488-491.
- v. 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, 23<sup>rd</sup> & 24<sup>th</sup> November 2009. pp 269-275.
- vi. 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, 24<sup>th</sup> & 25<sup>th</sup> September 2010. Allied Publishers Pvt. Ltd. ISBN:978-81-8424-623-0. pp 191-196.
- vii. 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, 20<sup>th</sup> to 22nd September, 2012, pp 28.

15. Professional body memberships:

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