

Curriculum Vitae



Name: Dr. Hanumant M. Dharmadhikari

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Date of Birth: 1st June 1966

Academic Credentials

Class/Degree	Specialization	Institution	University	Year	%	Class
Ph.D.	Mechanical Engineering	National Institute of Technology Warangal	National Institute of Technology Warangal	2014	-	-
M.E.	Production Engineering	Govt College of Engg, A'bad	Dr. BAM University, Aurangabad	1999	67.87	First Class
B.E.	Mechanical Engineering	Govt College of Engg, A'bad	Dr. BAM University, Aurangabad	1989	66.00	First Class with Distinction

M.Tech. Project:

- 07

Key Research Areas:

- C. Engines; Optimization; Heat Power

Experience

Sr. No.	Organization	Post	From	To	Years	Months
1.	G. S. Mandal's MIT, Aurangabad (MS)	Associate Professor	01/01/2011	Till Date	-	-

2.	G. S. Mandal's MIT, Aurangabad (MS)	Assistant Professor	01/01/2007	31/12/2010	04	0
3.	G. S. Mandal's MIT, Aurangabad (MS)	Senior Lecturer	01/06/2006	31/12/2006	-	07
4.	G. S. Mandal's MIT, Aurangabad (MS)	Lecturer	01/09/1992	31/05/2006	15	09
5.	Bajaj Tempo Limited, Akurdi, Pune-35(MS)	Engineer, S-4	16/04/1990	17/04/1992	02	-

List of Courses Taught/ Teaching at UG level

- ✓ I. C. Engines
- ✓ Tool Engineering/Design
- ✓ MQC
- ✓ Machine Tool Design/Technology
- ✓ Operation Research
- ✓ Total Quality Management
- ✓ Turbo machinery
- ✓ Thermodynamics
- ✓ AMC
- ✓ Industrial Engineering
- ✓ Mechanical Measurements
- ✓ Casting and welding Techniques
- ✓ Robotics
- ✓ M/C Drawing
- ✓ EME/BME
- ✓ Production Engineering

List of Courses taught /Teaching at PG level

- ✓ Turbo Machines
- ✓ Advanced Thermodynamics
- ✓ Optimization Techniques
- ✓ I. C. Engines

Additional Assignments/ Duties

- Head of Vocational Education Department MITA from September 2022 onwards
- Dean (Examinations and Evaluation) MIT(E) from July 2021 to September 2022
- Vice Principal (Administration) at MIT (E) since July 2016 to June 2021
- Head, Department of Mechanical Engineering MIT (T), Since 01st Jan 2015 to 08 th July 2016.
- Chairman, First Year ME/MTech Admission Committee for 2014-15.
- Head, Department of Production Engineering (June 2011-July 2013).
- Rector, MIT Boys Hostel, MIT (E/T/P/N) Aurangabad (Oct 2010-Dec 2012).
- Chairman, Accommodation committee Central Youth Festival-2012 hosted by MIT Aurangabad.
- Chairman, Inquiry Committee in the students dispute/complaint (Nov 2012).
- Member Local Inspection Committee of Dr. BAMU for STBTCE for 2012-13.
- Co-Chairman, Scrutiny Committee for the UGC interviews held in June 2011.
- In charge, Dead Stock Verification committee of MIT Central Library (2011)
- Convener, Technomillennium-2008: A Technical Talk Series held during September 15-17, 2008
- Presiding Officer for Graduate Aptitude Test in Engineering (GATE), conducted by IITB, (10/2/2008)
- Polling Officer-1 for General Assembly Elections, Maharashtra States, 2009.

- Faculty Advisor Students Council (Year 2006-07 and 2010-2011)
- Director for Dr. B.A. M. University, Central Assessment Scheme (CAS) for the Engg Examinations Nov/Dec 2006, May/June 2007 & Nov/Dec 2007 Examinations
- Joint Director in CAS Engineering Examination May/June-2002 at Dr. B.A.M.U. Aurangabad.
- Workshop Superintendent of central workshop M.I.T. Aurangabad (01.05.2002 to 31.01.2004).
- Chief Superintendent at M.I.T. Exam Centre for Dr. B.A.M.U. Examination in May/June-1999.
- Officer-in charge at M.S.B.T.E. Diploma Examination, MIT Aurangabad Nov/Dec-1997.
- Administrative and supervisory work in Projects department at Bajaj Tempo Ltd, Pune (1990-92).

Membership of Professional Bodies

- Life Member of Indian Society of Technical Education, New Delhi – LM 30047/dtd:15.11.2000 3
- Fellow of Institution of Engineers (India), Calcutta, F-119402-6 /dtd: 20-01-2015

Research Projects/Projects Guided

- Modeling and Optimization of thermal performance of solar concentrator

Computer/Software Proficiency

- MS-CIT Certificate course

Seminar/Workshop/Industrial Training/STTP//FDP/CEP/Conference Attended

- Attended MDP Training for Administrators at IIM Lucknow (UP), June 2-5, 2019
- Online workshop on “Use of ICT in Education for Online Learning” conducted by IITB from 2/5/2016 to 10/7/2016.
- Workshop on “Renewable Energy & Sustainable Development” at IIT (BHU), Varanasi (UP), Jan 18-22, 2016
- Three day National Workshop on “Go Green Generation Fuels” at NIT, Warangal (AP), Dec 12-14, 2013.
- One day workshop on Revised Syllabi of S.E.(M/P) of Dr. BAMU at DIEMS, Aurangabad on 09.4.2012.
- QIP Workshop on “Diesel Engine Management” at I.I.T, Kanpur from March 18-22, 2009.
- National Workshop on “Composite Materials during Nov 28-29, 2008 at N.I.T, Warangal (AP).
- National Workshop on “Emerging Trends in Automobile Engg” at N.I.T, Warangal (AP) July 3-5, 2008.
- QIP STP on “Modeling and Simulation of Engineering Systems” at Govt. Engg, A'bad, Jan.9-15, 2006.
- One day workshop on Symposium on water conservation at MIT Aurangabad on 20.3.2005.
- One day seminar on Water quality, hygiene & sanitation at MIT Aurangabad on 27.2.2005.
- National Conference on “Emerging Trends in Mechatronics” at MIT Aurangabad on July 23-24, 2004.
- STTP of AICTE /ISTE on „Intelligent Machine” REC Warangal (AP) from 31.12.2001 to 12.01.2002.
- One day workshop on Patent awareness at Dr. BAMU Aurangabad on 23.6.2000
- QIP short term course on “Engineering Optimization” at IIT Mumbai from 05.06.2000 to 09.06.2000.

Seminar/ Workshop/ Industrial Training/STTP//FDP/CEP/Conference organized

- TM2K6
- TM2K8

- iCMMD2017
- Simulation2017

Invited talks delivered

- GP Nashik
- MIT CIDCO
- MIT Rotegaon
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Projects, Research Grants and Consultancy

- Nil

Intellectual Property Rights

- Nil

List of Research Publications

Papers in National/ International Journal

- Pranav Sanap, H. M. Dharmadhikari, A. J. Keche (2016). Optimization of Plastic Moulding by Reducing Warpage With the Application of Taguchi Optimization Technique & Addition of Ribs in Washing Machine Wash Lid Component. IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) Volume 13, Issue 5 Ver. I (Sept. – Oct. 2016), PP 61 – 68.
- A. B. Patni, H.M. Dharmadhikari (2016). Experimental Investigation and Optimization of Ra Value, EWR and MRR in Electric Discharge Machining. IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) (Jan. - Feb. 2016), PP 62-70.
- Sayyed Siraj, H.M. Dharmadhikari, J.M. Kshirsagar (2016). Formulation Techniques in Regression Analysis to Estimate the Roughness Value from Tribological Parameters in Hard Turning of AISI 52100 Steel. IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE) Volume 13, Issue 1 Ver. I (Jan. - Feb. 2016), PP 26-36.
- Nilesh Suryakant Gore, H.M. Dharmadhikari (2015). Optimization of Roughness Value from Tribological Parameters in Hard Turning of AISI 52100 Steel. IOSR Journal of Mechanical and Civil Engineering (IOSRJMCE), Volume 12, Issue 6 Ver. V (Nov. - Dec. 2015), PP 37-44.
- Sayyed Siraj, H.M. Dharmadhikari, A.T. Autee. Modeling of higher heating values of Karanja Biodiesel submitted in International Journal of Green Energy a Taylor and Francis Journal UK (Manuscript ID: IJGE-2015-0730).
- Sayyed Siraj R., Joshi, S. D., & Dharmadhikari, H. M. Effect of Individual Physio-Chemical Properties of Karanja Oil Methyl Ester (KOME) & Its Statistical Correlation with Gross Calorific Value. IJRET: International Journal of Research in Engineering and Technology ISSN: 2319-1163 .
- Dharmadhikari H.M., A. T. Autee “Energy Options for India” Technomillennium 2006, International Technical Paper Presentation at MIT Aurangabad, Sept 15-17,2006.
- Pramod Ram Wadate, Dharmadhikari H.M. ‘A Review Of Thermal Performance Of Solar Concentrator – The Future Needs, International Journal of Engineering Science, 2019 12(3) 92-100 ISSN 0976 – 6693.

Papers in International Conferences Proceedings

- Sayyed, Siraj & Dharmadhikari, H.M. & Gore, Nilesh. (2018). Modeling of Roughness Value from Tribological Parameters in Hard Turning of AISI 52100 Steel. *Procedia Manufacturing*. 20. 344-349. 10.1016/j.promfg.2018.02.050.
- H. M. Dharmadhikari and Sayyed Siraj, (2017). Experimental And Statistical Investigation Of Density And Viscosity Of Biodiesel And Deisel Blends, 1st International and 18th **ISME Conference on Enabling Sustainable Development** in Mechanical Engineering, Feb 23-25,2017, NIT Warangal <http://cms.nitw.ac.in/isme2017>
- A.T.Autee C.L.Gogte, Dharmadhikari H.M., “Effect of cryogenic Treatment on wear Resistance of D2 Steel”, Proceedings of AMPC, **International conference** on Advances in Materials Processing and characterization. Vol.2 I.K. International Publishing House, 2006. p. 610-612
- Pramod Ram Wadate, Dharmadhikari H.M. ‘A Review Of Thermal Performance Of Solar Concentrator – The Future Needs, International Journal of Engineering Science, 4 World Congress on Engineering and Applications (WCEA – 2019) Bali, Indonesia, 2019
- Pramod Ram Wadate, Dharmadhikari H.M.”Experimental evaluation of thermal performance dish concentrator – To improve

the system efficiency”, AIP conference proceeding Vol. 2447, 2021.

- Pramod Ram Wadate, Dharmadhikari H.M.” An Experimental Investigation And Mathematical Quantification Of A Scheffler Reflector Concentrator System”, Proceedings of the National Conference on Energy and Environment for Sustainable Development (NCEESD-2022) July 5-6, 2022, Government College of Engineering and Research Avasari, Pune.
- Pramod Ram Wadate, Dharmadhikari H.M.”An Experimental Investigation And Mathematical Quantification Of A Scheffler Reflector Concentrator System” Proceedings of the National Conference on Energy and Environment for Sustainable Development, 2022.

Books/ Book Chapter

- Two

NPTEL Certification

- Nil

Awards, Achievements and Recognition

- Member, Board of Studies for Vocational Courses at Dr. B.A.T. University, Lonere (MS)
- National Merit Scholarship (GOI) awardee for the post-SSC education up to graduation (1983-1989).
- Passed English Language Senior Certification Examination (1982) Maharashtra Tilak Vidyapeeth, Pune.
- Passed Elementary and Intermediate Grade Examinations (1984) Art Committee, GoM Mumbai.
- Passed Yoga Examination (1988) held by Kaivalyadham Vidyapeeth, Nashik.
- Dr. B.A.M.U. Approved P.G. Teacher BUTR/2002-03/4113/4 dt.27.6.2002
- Passed MS-CIT Examination conducted by MSBTE & MKCL Mumbai in July 2015 with 85 percent.

Date: 06/12/2022

Place: Aurangabad
