

CURRICULUM VITAE

NAME : **Dr.BODA HADYA**
DESIGNATION : **Professor & Head**
Department of Mechanical Engineering
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Academic qualifications

S.No.	Degree	University/ Institute	Year of Passing	Specialization
1	Ph.D.	Osmania University	2016	1.Refrigeration and Air-Conditioning.2.HVAC
2	M.Tech.	JNTU- Hyderabad	2005	Thermal Engineering
3	B.E.	Osmania University	1999	Mechanical Engineering

Teaching Experience

S.No.	Organization	Designation	Period	
			From	To
1	Department of Technical Education, Lecturer in Govt. of Telangana, India.Mechanical Engineering		18.01.2001	31.07.2007
2	Osmania University Asst.Professor		01.08.2007	17.01.2014
3	Osmania University	Associate Professor	18.01.2014	17.01.2017
4	Osmania University	Professor	18.01.2017	Till Date

Area of Research

- : ❖ Thermal Engineering
❖ Turbo machinery
❖ Refrigeration and Air Conditioning
❖ HVAC
❖ Heat Transfer

Subjects Teaching at PG and UG

- : ❖ Heat Transfer,
❖ Refrigeration and Air Conditioning
❖ Design of Steam Turbines
❖ Advanced Energy Systems
❖ Power Plant Steam Generators.
❖ Design of Solar Energy Systems.

Workshop/Orientation/Refresher Course attended

S.No.	Programme	Duration	Organized by
1	QIP on Heat transfer in Chemically Reacting Systems	8.12.2014 to 12.12.2014	IIT Roorkee, Uttarakhand, India
2	Faculty development programme in Entrepreneurship Computational Fluid Dynamics	30.12.2013 to 10.1.2014	EDC,OU
3		12.06.2012 to 22.06.2012	ICT (MHRD) IITBombay
4	Engineering Research Methodology	02.02.2012 to 04.02.2012	MED, UCE, OU.
5	ISTE work shop on Heat transfer	29.11.2011 to 10.12.2011	ISTE-IIT Bombay
6	Faculty development programme in Entrepreneurship	26.09.2010 to 09.09.2010	EDC,OU
7	Orientation course at UGC,academic staff college OU	20.04.2009 to 15.05.2009	UGC, Academic Staff College,OU
8	Faculty development programme in Entrepreneurship	01.12.2008 to 13.12.2008	EDC,OU, Hyderabad
9	TEQIP on “Hydraulic and Pneumatic Controls” Computational Fluid Dynamics-	25.03.2009 to 26.03.2009	MED, UCE, OU and CITD
10	Theory and Practice Igniting the spirit of Innovation in Engineering Students	07.3.2009 to 09.03.2009	MED, UCE, Ou and SNIST, Hyderabad SNIST , Hyderabad,
11		24.01.2008 to 25.01. 2008	Under TEQIP

12	Mission 10X Work shop	11.02.2008 to 15.02. 2008	UCE, OU, Hyderabad.
13	Staff development programme	19.11.2007 to 30.11.2007	CIPET Sponsored by AICET

Faculty Development Programme

Sl. No.	Programme	Duration	Organized by
1	Industry-Institution and Defiance lab Interaction	30 th August, 2014	MED, UCE, OU in Collaboration with AD, RCI, DRDO, Hyderabad
2	Training on CNC Machining	12 th February, 2013	MED, UCE, OU, OU under TEQIP-II
3	Metrology	21 st -23 rd March, 2013	MED, UCE, OU
4	Reverse Engineering based Manufacturing	24 -28 th June,2013	MED,UCE,OU under TEQIP-II
5	Water and Food security-Issues and Challenges	22 nd March 2012	DCE, UCE, OU
6	ICMAE'2012, International Conference	8-9 th September-2012	Planetary Scientific Research Centre, Bangkok, Thailand
7	Inter – university Zonal youth festival participation, organized by OU. From 16-11-2012 To 20-11-2012	16-20 th November 2012	Osmania University
8	High Performance in green building	26 th November 2011	ISHRAE, Deccan Chapter, Hyderabad
9	Advanced manufacturing System	30 th July, 2009	MED, UCE, OU.
10	Quality Assurance &ISO 9000 Certification	5 th March-2008	UCE, OU, Hyderabad

Seminars/ Conference

S.No.	Programme	Title	Duration	Organized by
1	Quality Improvement Programme	Heat Transfer in Chemically Reacting System	08.12.2014 to 12.12.2014	IIT Roorkee (Uttarakhand)
2	Certificate of participation	One day workshop on Industry-Institute and Defence Labs Interaction	30.08.2014	Dept. of ME UCE OU Hyderabad in Collaboration with Programme AD, RCI, DRDO, Hyderabad
3	Certificate given by Entrepreneurship Development Cell	Faculty Development in Entrepreneurship	02.02.2015 to 14.02.2015	NSTEDB,DST, New Delhi
4	Participation Certificate	One day workshop on How to write Research Proposal	18.09.2015	UCE OU Hyderabad Under Project TEQIP-II
5	Technical Education Quality Improvement Program(TEQIP)Knowledge Incubation in Technical Education(KITE) Center	Thermal Analysis of Materials Using DSC, DTA, TG & Dilatometer (TAM-III)	14.12.2015 to 19.12.2015	IIT Hyderabad
6	Certificate given by Entrepreneurship Development Cell	Faculty Development in Entrepreneurship.	02.02.2016 to 14.02.2016	NSTEDB,DST, New Delhi
7	International Conference on Advances in Materials and Manufacturing (ICAMM-2016)	Active member of organizing committee an International Conference on Advances in Materials and Manufacturing	08.12.2016 to 10.12.2016	Dept. of ME, UCE OU,DRDL, DRDO,Ministry of Defence,Govt. of India Hyderabad

8	SRUJANA-2016	State level Project Exhibition & Competition for Engineering Students worked as Judge for SRUJANA 2016 a state level Symposium	28.03.2016	UCE OU
9	Certificate of participation International Conference on Emerging Trends in Mechanical Engineering(ICETiME-2016)	Assessment of Energy Efficiency Ratio for Air-Conditioning System for Potential Replacement of R-22	23.09.2016 to 24.09.2016	Faculty of Science & Technology IFHE Hyderabad
10	Certificate of Participation	Two day workshop on Teaching, Learning and Assessment Methodologies	13.12.2016 to 14.12.2016	UCE OU Hyderabad under TEQIP-II
11	Certificate of Participation	International Conference on Advances in Materials and Manufacturing (ICAMM-2016)	08.12.2016 to 10.12.2016	Dept. of ME UCE OU,DRDL, DRDO,Ministry of Defence,Govt. of India Hyderabad

Session Chaired for Technical Fest/ Conference/ Seminar

Sl. No.	Title of the Session	Conference / Seminar	Organized by	International /National
1	Tech. Session chaired	MECHARENA-2015	MED, UCE, OU.	National
2	Judge for Technical Fest Srujana 2013,	Technical Fest-2013	Srujana 2013, MLR institute of Technology	National
3	Judge for national level Technical symposium, MECHARENA-2013	Technical Fest-2013	MED, UCE, OU.	National
4	Judge for Technical Fest	Technical Fest2012	Nishitha College of Engineering & technology	National

5	Session Chaired	ICMAE-2012 September 8-9, 2012 Bangkok, Thailand	Planetary Scientific Research Center, Bangkok, Thailand.	International
6	Judge for national level Technical symposium, MECHARENA-2012	Technical Fest- 2012	MED, UCE, OU.	National
7	Judge for state level Rajiv Gandhi Akshay Urja Diwas Debate and paper presentation for engineering college student	RGAUD-2011	Placement Office, UCE,OU	National
8	Judge for national level Technical symposium, MECHARENA-2011,	Technical Fest- 2011	MED, UCE, OU.	National
9	Judge for state level" Rajiv Gandhi Akshay Urja Diwas"	RGAUD-2009	UCE,OU and NEDCAP	National

Assessment/Organizing Committee Member

S.No	Programme	Type of Committee	Year
1	Association of Inter Universities	Accommodation committee Member	16-20 th November 2012
2	RAME-2012,National conference	Organizing Committee Member	16-17 th March 2012
3	Management council of the Institute to assess Technical staff	Assessment Committee, IICT	5 th December 2011
4	ICORTE-2010, International conference	Hospitality and Accommodation	27-28 th August, 2010
5	ICORTE-2010, International conference ISTAM-2008, International	Cultural programme Committee	27-28 th August, 2010
6	Conference VETOMAC-2007,	Organizing Committee Member	27-30 th December, 2008
7	International conference	Organizing Committee Member	17-19 th December 2007

Research projects

OU-DST-PURSE-Programme: Scheme No. A-38, Title: Development and Experimental Analysis of window air conditioning system with roll bond condenser. (Department of Science and Technology)

Guest Lecture Delivered

1. Delivered Guest lecturer for 2 days Faculty Development Programme on 25.06.2018 to 26.06.2018, on “**PERFORMANCE EVALUATION OF AIR-CONDITIONERS FOR DIFFERENT REFRIGERANTS USING DIFFERENT SOFTWARE TOOLS**” at Sreyas Institute of Engineering and Technology, Hyderabad.

Number of Research papers Presented /Published

1. B.Hadya., et al. Presented paper entitled: “A comparative Study on the performance and Environmental Impact of Alternate refrigerants to Replace R-22”, *RITS International Conference on Advancements in Engineering & Management (ICAEM-2012)*.
2. B.Hadya., et al. Presented paper entitled: “Performance Evaluation of R32 as Retrofit Refrigerant in Existing Air Conditioners in Indian Scenario”, *National Conferences on Recent Advances in Mechanical Engineering RAME-2012*.
3. B.Hadya., et al. Presented paper entitled: “Comparative Study of Eco-friendly Refrigerants in a Lower Capacity Air-Conditioning System”, *International Conference (ICMAE- 2012) ISBN. 978-93-82242-07-09 (PP: 48-51) (Awarded Session Best Paper)*.
4. B.Hadya. et al. Presented paper entitled: “Flow Characteristics of a Refrigerant inside a Diabetic Capillary Tube with Suction line Heat Exchanger”, *International Conference of (CAFE-2012)*.
5. B.Hadya., et al. Presented paper entitled: “Simulation of Air – Conditioning System and Transport Properties for Alternative Refrigerants”, *RITS 2nd International Conference on Advancements in Engineering & Management (ICAEM-2013) ISBN 978-93-5104-586-1(PP: 446-450)*.
6. CFD Analysis on Double pipe helical coil heat Exchange. RITS ICAEM 27 &28 Feb.2013 ISBN **978-93-5104-586-1, PP: 442-445.**
7. B.Hadya., et al. “Analysis of Transport Properties for Hydro Fluorocarbon (HFCs) Refrigerant for Air –Conditioning system”, *International Journal of Advanced Research in Engineering and Technology (IJARET-2013) ISSN 0976 – 6480, Volume 4, Issue 3, pp. 163-169, April 2013*
8. B.Hadya., et al “Theoretical Analysis and Performance Comparison of Different Alternative Refrigerants to HCFC-22”, *International Journal of Scientific &Engineering Research, (IJSER) Volume No 5, Issue 5, ISSN 2229-5518 , pp1505-1508, May-2014 .*
9. B.Hadya. et al., “Simulation of Air-Conditioning Compressor with Different Refrigerants and to Retrofit in Existing (HCFCs-22) Air-Conditioning Systems”, *International Journal of Thermal Technologies (IJTT) ISSN 2277-4114, Vol.4, No.2, pp: 83-87. June -2014.*

10. B.Hadya., et al. "Experimental Evaluation of Environmental Friendly and Low Global Warming Refrigerants as an Alternative Option for Window Air Conditioning System", *Journal of Refrigeration, Air-conditioning, Heating and Ventilation (JoRACHV) ISSN2394-1952, Volume 1, Issue 3, PP.7-13, September-December 2014.*

11. B.Hadya, et al. "Performance Assessment of HFC Group Refrigerants in Window Air Conditioning System, in the *International Journal of Mechanical Engineering and Applications (IJMEA) ISSN 2330-0248, Vol 3, issue 5,pp:81-85, Science Publishing Group, USA, August 2015.*

12. Boda Hadya., "Simulation of Air- Conditioning System Components and Comparison of Performance for Three Different Refrigerants" *International Journal of Research in Engineering and Applied Sciences (IJREAS) ISSN 2249-3905, Volume 6, Issue 6, PP.69-76, June 2016*
13. Boda Hadya., et al. "Design of Roll Bond Evaporator for Room Air Conditioner using Eco-friendly Refrigerant,R-32 (Difluoro Methane)" *International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET) ISSN 2347-6710, Volume 5, Issue 6, PP.9537-9543, June 2016.*
14. Boda Hadya., "Analysis of Vapour Compression Refrigeration System with Sub- cooling and Super Heating with three Different Refrigerants for Air-conditioning Applications" *International Journal of Engineering Sciences & Research Technology(IJESRT) ISSN: 2277-9655, volume 5, issue 11, pp.70-77, November, 2016*
15. Dr.B.Hadya presented a research paper Title: "Assessment of Energy Efficiency Ratio for Air-Conditioning System for Potential Replacement of R-22"International Conference in Emerging Trends in Mechanical Engineering (ICETiME 16), which is organizing by the ICFAI Foundation for Higher Education during 23rd & 24th September, 2016.
16. Dr.B.Hadya, Published a paper, Title: Comparative Study of Thermodynamic Properties of Hydro-Carbon Group Refrigerants in a Vapour Compression Refrigeration System as an Alternative to HCFC-22, In the *Int. J. Mech. Eng. Res. & Tech, ISSN 2454 – 535X, Vol. 3, No. 1, February 2017*
17. Dr.B.Hadya, et al. Published a paper, Title Performance Analysis of an Omni directional Intake Duct Wind turbine using CFD, in *International Journal of Latest Engineering and Management Research (IJLEMR) ISSN: 2455-4847, Volume 02 - Issue 09, PP. 01-10, September 2017.*
18. Dr.B.Hadya, et al. Published a paper, Title "Enhancement of Bio-Gas Yield from Dry and Green Leaves by Inoculation, in the *International Journal of Latest Engineering and Management Research (IJLEMR) ISSN: 2455-4847, Volume 02 - Issue 10, PP. 07-12, October 2017.*
19. Dr.B.Hadya, et al. Published a paper, Title "Experimental Study on AA7075 Its Effect of Rotational Speed and Tool Pin Profile on Friction Stir Welding Process" in the *International Journal of Innovations in Engineering and Technology (IJIET), Volume 9 Issue 3, pp: 88-93, February 2018.*

20. B.Hadya., et al. Presented paper entitled: “Evaluation and Impacts on Mechanical Behaviour of Friction Stir Welded Copper 2200 Alloy”, International National Conferences on “Innovations in Mechanical Engineering”(IVIME-2019) 4th & 5th January , 2019 held at Guru Nanak Institutions, Ibrahimpatnam, Telangana state.India.

***Awarded the Session Best Paper for the Conference ICMAE’-2012, September’8-9th 2012, Bangkok, Thailand.**

*** Nodal Officer For High Rate Biomethanation Plant:Biogas from Food Waste Project by Audit-1 Commissionerate, Hyderabad, Under Swachhata Action plan of Central Board of Indirect Taxes and Customs, Government of India.**