

CURRICULUM VITAE

NAME : **Dr.BODA HADYA**
DESIGNATION : **PROFESSOR**
Department of Mechanical Engineering
University College of Engineering
Osmania University, Hyderabad,
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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, Govt. of Telangana, India. | Lecturer in 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 | 30.12.2013 to 10.1.2014 | EDC,OU |
| 3 | Computational Fluid Dynamics | 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” | 25.03.2009 to 26.03.2009 | MED, UCE, OU and CITD |
| 10 | Computational Fluid Dynamics-Theory and Practice | 07.3.02009 to 09.03.2009 | MED, UCE, Ou and SNIST, Hyderabad |
| 11 | Igniting the spirit of Innovation in Engineering Students | 24.01.2008 to 25.01. 2008 | SNIST , Hyderabad, Under TEQIP |

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| 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 |

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| 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 |

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| 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 | Cultural programme Committee | 27-28 th August, 2010 |
| 6 | ISTAM-2008, International Conference | Organizing Committee Member | 27-30 th December, 2008 |
| 7 | VETOMAC-2007, 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)

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.**B.Hadya.,et al. “Analysis of Transport
7. 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 (IJJET)*, Volume 9 Issue 3, pp: 88-93, February 2018.

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