



Name

Dr.NARSIMHULU SANKE



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Date of Joining

31-12-2001

Degrees obtained (Univ. Year, Specialization)

S.No	Degree	University/Institute	Year of Passing	Specialization
1	B.E	Osmania University	1997	Mechanical Engineering
2	M.E	Osmania University	2000	Turbomachinery
3	PDIT*	ESCI-CMC, Hyderabad	2000	Computers, Information Technology
4	Ph.D	Osmania University	2014	Biomass Energy for Power Generation

Employment Record in Teaching

S.No	University	Designation	Period
1	Osmania University	Professor	2017 to Till date
2	Osmania University	Associate Professor	2014 to 2017
3	Osmania University	Assistant Professor	2001 to 2014

- **Publications** (Papers Published / Presented): 40
- Paper reviewed in International Conferences (**Spain**): From ICREPQ'2009 - to - Till date
- Number of Research Scholars pursuing Ph.Ds : 8 (Ongoing)
- Number of M.E/M.Tech dissertations guided:**63**

Fellowship of academic body and Professional societies

- Life Member, The Indian Society for Technical Education (ISTE)
- Life Member, Solar Energy Society of India (SESI)
- Life Member, Indian Society for Heat and Mass Transfer (ISHMT)
- Life Member, National Society of Fluid Mechanics and Fluid Power (NSFMFP)
- Life Member, Indian Society of Theoretical and Applied Mechanics (ISTAM)
- Life Member, Osmania Graduate Association (OGA)
- Member, Society of Automotive Engineers (SAEINDIA)
- Member, Renewable Energy and Power Quality (Spain)
- Member, World Academy of Science, Engineering and Technology (USA)

Countries Visited

- Greece. Spain, China, USA and Canada

Areas of Interest

Biomass, Heat Transfer, Thermal Engineering, New and Renewable Energy Sources, Turbomachinery, Applied Thermodynamics, Internet of Things (**IoT**),Computer

Short term courses organized / participated

S.No	Name of the Programme	Organizing Institute	Year	Organized / Participated
1	Computer Applications in Manufacturing Technology	Dept. of Mechanical Engineering, UCE, Osmania University, Hyderabad	2002	Participated
2	Emission Controls and Latest Technologies in Internal Combustion Engines	Indian Institute of Technology, KANPUR Kanpur	2002	Participated
3	Energy and Cryogenic Engineering	Vellore Institute of Technology, VELLORE (Deemed University)	2004	Participated
4	Nano Technology and Its Applications	JNTU - Hyderabad	2004	Participated
5	Mathematical Techniques for Industry with a Special Focus on Nanotechnology(CFD)	Indian Institute of Technology, KHARAGPUR	2005	Participated
6	Industrial Applications of Turbomachines	Indian Institute of Technology, Guwahati	2007	Participated
7	Spray and Combustion	Indian Institute of Technology, KANPUR Kanpur	2007	Participated
8	Pedagogical Training (Module-1)	NITTTR, Chandigarh	2013	Participated
9	Faculty Development Programme in Entrepreneurship	Entrepreneurship Development Cell, Osmania University, Hyderabad	2013-2014	Participated
10	Management Capacity Enhancement Program for Administrators	Indian Institute of Management, Lucknow, Noida Campus	2015	Participated
11	Faculty Development Programme in Entrepreneurship (2-Weeks)	Entrepreneurship Development Cell, Osmania University, Hyderabad	April 18-30, 2016	Participated
12	Professional Development Training (PDT) TEQIP-III	Indian Institute of Management (IIM), Raipur	August 26-30, 2019	Participated
13	Professional Development Training (PDT) TEQIP-III	Indian Institute of Management (IIM) Jammu	January 20-24, 2020	Participated
14	Training on Future Skill technologies on ' Internet of Things (IoT) '	Indian Institute of Technology, Bombay	February 24-28, 2020	Participated

Orientation Course organized / participated

S.No	Name of the Programme	Organizing Institute	Year	Organized / Participated
1	Orientation Course in Value Education (One Month)	UGC Academic Staff College, Osmania University, Hyderabad	2003	Participated

Workshops organized / participated

S.No	Name of the Programme	Organizing Institute	Year	Organized / Participated
1	Working Principles of an Internal Combustion Engines and Latest Technologies	Dept. of Mechanical Engineering, UCE, OU. For M/S Neo-Petcon Pvt. Ltd. Hyderabad	2003	Organized & Resource person
2	Wind Energy & Energy Efficiency / Conservation	NEDCAP, Govt. of A.P Hyderabad	2004	Participated
3	Air Conditioning System Design and Energy Conservation	C.B.I.T – Hyderabad	2005	Participated
4	Responsive Manufacturing	DRDL – Hyderabad	2005	Participated
5	Teaching and Learning Practices	Dept of Civil Engg & English, UCE,OU	April 19,2006	Participated
6	SUN Faculty workshop on Java Programming Language	APSCHE-NASSCOM, UCE,OU, Hyderabad	2007	Participated
7	Mission 10x	Wipro Technologies Hyderabad	2008	Participated
8	User Acceptance Test (UAT) of Management Information System(MIS)	NPIU, TEQIP, SVB Hyderabad	October 18-21,2011	Participated

9	Quality Enhancement for Teachers of Engineering Education	Indian Institute of Technology, KHARAGPUR	November 16-17, 2011	Participated
10	Nano Technology and Its Applications (NANO-2012)	C.B.I.T- Hyderabad	February 27-28, 2012	Participated
11	FDP on New Technologies in Automotive Industry	CII & Boach Ltd, Bangalore	August, 04-06, 2014	Participated
12	Industry-Institute and Defence Labs Interactoin	Dept. of Mechanical Engineering, UCE, OU.	August, 30, 2014	Participated
13	Furure of Indian AeroSpace "SoFIA 2015"	Indian Institute of Technology- Hyderabad	January, 23-24, 2015	Participated
14	How to write Research Proposal	University College of Engineering, OU, Hyderabad	September, 18, 2016	Participated
15	One day Induction Program	University College of Engineering, OU, Hyderabad	January, 20, 2018	Participated

International Training / Workshop

S.No	Name of the Programme	Organizing Institute	Duration	Organized / Participated
1	International Training Wokshop on technology and Utilization of Biomass Gasification	Department of International Cooperation , Ministry of science and Technology & LIER , Yingkou , P.R .China	Nov 1 st to Nov 20 th , 2008	Participated
2	Online Certificate Course on " COVID-19 Contact Tracing "	Johns Hopkins University, USA	May 05-24, 2020	Participated

Webinars

S.No	Name of the Programme	Organizing Institute	Duration	Organized / Participated
1	One Week FDP on "Maximum Utilization of ICT tools for Online Teaching Learning Process"	Dept. of Applied Science and Humanities, Rajakiya Engineering College, Ambedkar Nagar, UP	May 09-13, 2020	Participated
2	Role of Nanocomposites in the development of Industry 4.0	SR Institute of Management & Technology, Lucknow	June 06, 2020	Participated
3	5 Day Online STTP on "Internet of Things (IOT) & IT's Applications in Industry"	Dept.of Instrumentation Engineering, RamRao Adik Institute of Technology, Navi Mumbai and B&R Automation Pvt.Ltd. Pune	June 08-12, 2020	Participated
4	Government e-Marketplace	National Project Implementation Unit (NPIU) and Hosted by State Project Implementation Unit, U.P	July 07, 2020	Participated
5	A National Level Five Days Virtual FDP on "Research Directions in Wireless Communication"	Dr Ambedkar Institute of Technology, Bengaluru	August 17-21, 2020	Participated

National and International Conferences attended and Presented Papers/e-Journal/Journal

- NarsimhuluSanke**, Prof.D.N.Reddy, Dr.M.V.Ramana Murthy "*An Experimental Investigation of heat recovery from Bio-mass energy*", National Conference on State of the Art of Technologies in Mechanical Engineering (NCSAME-2004), JNTU, Hyderabad, India. 29th - 30th June 2004.
- UpenderMiryala, **NarsimhuluSanke**, Dr.P.Mallesham, "*Assessment of tool wear in Drilling using vibration and Force parameters for Tool Condition Monitoring*", NCSAME-2004, JNTU, Hyderabad, India. 29th - 30th June 2004.
- K.Ashok Kumar, **NarsimhuluSanke**, S.S.Prasad, "*The use of Micro Turbine Generators in Hybrid Electric Vehicles*", NCSAME-2004, JNTU, Hyderabad, India. 29th - 30th June 2004.
- NarsimhuluSanke**, GangaramShinde, UpenderMiryala, "*Biomass fuel mix of Thermo Chemical Conversion for Gaseous Products on Pyrolytic aspects*", AIM-2005 (National Conference on Advances in Mechanical Engineering) 13th – 14th May, 2005. Vasavi College of Engineering, Hyderabad
- NarsimhuluSanke**, "*Biomass is an alternative Source fuel for Energy Generation*" 2nd **International Conference** on Renewable Energy Sources and Energy Efficiency (ENERTECH 2007) 18-21 October 2007, **Athens, Greece**(funded by TEQIP,UCE,OU)
- NarsimhuluSanke**, Dr.D.N.Reddy "*Biomass for power and energy generation*" **International Conference** on Renewable Energy and Power Quality (ICREPQ'08) 12-14 March 2008, Santander, **Spain**.(funded by TEQIP,UCE,OU)
- NarsimhuluSanke**(et,al) "*Eucalyptus Globulus Waste as Fuel in a Power Plant*" . **International Conference** on Renewable Energy and Power Quality (ICREPQ'09) 15-17 April 2009, Valencia, **Spain**.
- G.Srinivas Sharma, **NarsimhuluSanke**, D.N.Reddy, "*Experimental Investigations of wood gasification in downdraft gasifier and prediction of gas composition using thermodynamic equilibrium model*" International J.ofMultidiscipl.Research&Advcs. in Engg.(IJMRAE),ISSN 0975-7074, Vol. 3, No. IV (October 2011), pp. 297-312.
- Ameer Razzaq Noor, **NarsimhuluSanke**, "*Design of solar absorption generator for Icemaker*", National Conference on Recent Advances in Mechanical Engineering (RAME-2012) 16-17 March 2012. Dept of Mechanical Engineering, Osmania University, Hyderabad.
- BalasesAbdulameerJabbar, **NarsimhuluSanke**, "*Design and Modeling of horizontal axis wind turbine blade*" National Conference on Recent Advances in Mechanical Engineering (RAME-2012) 16-17 March 2012. Dept of Mec.hEngg, Osmania University, Hyderabad.

11. Bassam A Mohammed Hussein, **NarsimhuluSanke**, "Design and Modelling of dish collector for solar energy" National Conference on Recent Advances in Mechanical Engineering (RAME-2012) 16-17 March 2012. Dept of Mech.Engg, Osmania University, Hyderabad.
12. RatnakarCh, **NarsimhuluSanke**, "Modelling and CFD analysis of an advanced biomass downdraft gasifier" National Conference on Advances in Mechanical Engineering (AIM-2012) 11-12 October 2012 Vasavi College of Engineering, Hyderabad.
13. **NarsimhuluSanke**, RatnakarCh, "CFD simulation of an advanced biomass gasifier" National Conference on Advances in Mechanical Engineering (AIM-2012) 11-12 October 2012 Vasavi College of Engineering, Hyderabad.
14. **NarsimhuluSanke**, RatnakarCh, D.N.Reddy, "Computational analysis of advanced biomass downdraft gasifier" at the second IASTED **International Conference** on Power and Energy Systems and Applications (PESA 2012) 12 - 14 November 2012, **Las Vegas, USA. (Secured best paper award)**, (funded by UGC)
15. Ratnakar Ch,**Narsimhulu Sanke** " **Flow analysis of an advanced biomass gasifier**" Second International Conference on Emerging Trends in Engineering (ICETE-2013), 22-23 FEBRUARY 2013, Jaysingpur (Maharashtra), India.
16. SalihMeriAbdulridha, **Narsimhulu Sanke**,"Performance analysis of parabolic trough collector for steam generation", Journal Global Journal of Engineering Research and Technology (GJERT),ISSN 2249-3107, Volume 3, Number 2 (2013), pp 43-51.
17. KumailAbdulkareemHadi,**Narsimhulu Sanke**, "Temperature analysis of riser tubes in a solar flat plate collector", Journal Global Journal of Engineering Research and Technology (GJERT), ISSN 2249-3107, Volume 3, Number 2 (2013), pp 53-58
18. AhmedDheyaaJawad, **NarsimhuluSanke**, "Design and Modeling of a Two Stage Savounius Wind Turbine",Journal Advances in Materials Science and Mechanical Engineering Research, Volume 1, Number 1(2014), pp.11-15.
19. **NarsimhuluSanke**, D.N.Reddy, "Investigation on Biomass as Alternate Source for Power Generation" the International Conference on Energy, Biomass and Waste Engineering (ICEBWE 2014) May 12-13, 2014, **Montreal, Canada**(funded by TEQIP,UCE,OU)
20. Mohammed Saad Abbas, **Narsimhulu Sanke**,"Performance analysis of flat plate collector with modified risers", Global Journal of Engineering Research and Technology (GJERT), ISSN 2249-3107, Volume 4, Number 2 (July 2014), pp 93-98.
21. Raad A Jawad, **NarsimhuluSanke**,"Effect of pitch angle on horizontal axis wind turbine", Global Journal of Engineering Research and Technology (GJERT), ISSN 2249-3107, Volume 4, Number 2 (July 2014), pp 107-114.
22. **NarsimhuluSanke**, D.N.Reddy, "The temperature influenced in the advanced biomass downdraft gasifier reactor of biomass fuels gasification for power generation" at the **International Conference** on Environment and Energy (ICEE-2014), 15-17 December 2014, Hyderabad, India, ISBN 978-93-81212-96-7
23. **NarsimhuluSanke**, Md. KhaderShariff, "Design and analysis of an axial flow compressor", at the National Conference on Emerging Trends in Mechanical Engineering (ETIME-2014) 29-30 December 2014, Dept. of Mechanical Engineering, Osmania University, Hyderabad, ISBN 978-9383635-55-9
24. Mohammed MohsinShkair, **NarsimhuluSanke**, " Solar flat plate collector heat transfer analysis in the raiser with helical fins", International Journal of Engineering & Science Research (IJESR), ISSN 2277-2685, Vol-5, Issue-5 (May 2015), pp 352-356.
25. Ali SalhSawadi, **NarsimhuluSanke**, "Performance analysis of winglet angles for horizontal axis wind turbine", International Journal of Engineering & Science Research (IJESR), ISSN 2277-2685, Vol-5, Issue-5 (May 2015), pp 347-351.
26. **NarsimhuluSanke**, Mohammed MohsinShkair, "Heat Transfer Analysis of a Riser Tubr in a Flat Plate Collector with Fins" International Journal & Magazine of Engineering, Technology, Management and Research (IJMETMR), ISSN 2348-4845, Volume No:2, Issue No:7 (July 2015), pp 163-167.
27. **NarsimhuluSanke**, Ali SalhSawadi, "CFD Analysis of Winglets for Horizontal Axis Wind Turbine", International Journal & Magazine of Engineering, Technology, Management and Research (IJMETMR), ISSN 2348-4845, Volume No:2, Issue No:7 (July 2015), pp 174-179.
28. Vigneshwar N, **NarsimhuluSanke**, "Efficiency Estimation of the Turbocharger Compressor Wheel", International Journal of Scientific & Engineering Research (IJSER), ISSN 2229-5518, Volume 6, Issue 8 (August-2015), pp 195-198.
29. D Mukherjee, **NarsimhuluSanke** "Effect of length of a flat disk aero spike on the drag and thermal characteristic of flow over a blunt body", International Journal of Emerging Technology and Advanced Engineering (IJETA) ISSN 2250-2459, Volume 7 (September 2017).
30. EGK Venkateswar Rao, **NarsimhuluSanke** "Modeling and Analysis of Air driven Turbine for Aerospace Applications", International Journal of Emerging Technology and Advanced Engineering (IJETA) ISSN 2250-2459, Volume 7 (October 2017).
31. Hadeel Raheem Jasim, **Dr.Narsimhulu Sanke**, "Heat Transfer simulation of gas turbine blade with film cooling" at National Conference in Mechanical Engineering and Nanotechnology (NCAMENT2018) 29-30 June, 2018, Dept of Mec.h Engg, Osmania University, Hyderabad.
32. R. Shukla and **N.Sanke**, "Scrutinization of Discrepancy in Nozzle Throat Diameter for Supersonic Aerospace Vehicles" ICMMS-2018, Indian Institute of Technology, Indore, 19-21 July, 2018.
33. E. Sammaiah, Md. Mohinoddin,**Narsimhulu Sanke**, Aditya Bharadwaj "Experimental Analysis Of Forced Convective Heat Transfer In A Pin-Fin" at the first International Conference on "Advances in Mechanical Engineering" (ICAME 2018) at the Department of Mechanical Engineering, CMR College of Engineering & Technology, Hyderabad, 21-22 December 2018.
34. G.Venkat Ramana, **Narsimhulu Sanke**, "Effect of tool rotational speed and feed rate on similar and dissimilar Friction Stir welded joints of Al 5082 and Al 6061", ELSEVIER ScienceDirect, 23 September 2019.
35. Review on restorative measures to overcome effects of high engine temperature on performance characteristics of IC engines at 2nd International Conference on Technological Convergence in Engineering Energy and Sustainability, VJEC, Kannur during July 18-19, 2020.
36. Ravi Gugulothu, **Narsimhulu Sanke**, Farid Ahmed, Ratna Kumari Jilugu, **Book Chapter 25** "Numerical Study on Shell and Tube Heat Exchanger with Segmental Baffle", Algorithms for Intelligent Systems, Proceedings of International Joint Conference on Advances in Computational Intelligence, IJACCI 2020, Springer, ISSN 2524-7573 (electronic), ISBN 978-981-16-0586-4 (eBook), <https://doi.org/10.1007/978-981-16-0586-4>
37. Venkat Ramana G, **Narsimhulu Sanke**, "Evaluation of Tensile and Microstructure properties of AA2014 and AA7075 FSW weldments developed by HSS-10%Co and WC tools" ICMMS-2020, ScienceDirect, ELSEVIER.
38. Ravi Gugulothu, **Narsimhulu Sanke**, Farid Ahmed, Naga Sarada, M.T. Naik, "Numerical study of Shell and Tube Heat Exchanger Parameters", 1st International Conference on Applied Analysis Computation And Mathematical Modelling In Engineering (AACMME-2021), National Institute of Technology, Rourkela, February 24-26, 2021.
39. Ravi Gugulothu, **Narsimhulu Sanke**, Sahith Nagadesi, Ratna Kumari Jilugu "Thermal hydraulic performance of helical baffle shell and tube heat exchanger using RSM Method", 1st International Conference on Applied Analysis Computation And Mathematical Modelling In Engineering (AACMME-2021), National Institute of Technology, Rourkela, February 24-26, 2021.
40. Balu Naik, Narsimhulu Sanke, "The performance of Combustion Ignition engine by using bio-diesel from animal fat with proportions" International conference on Robotics and Intelligent Manufacturing (ICRIM-2021), St.Martin's Engineering College, Hyderabad, July 16-17, 2021.

Guest Letures/ Keynote Adress deliver

1. Lecture deliveredon "Biomass Energy" at University of Cantabria,Santander, Spain on 18th March 2008.
2. Lecture delivered on "Biomass is an alternate source of fuel for power and energy generation" at Liaoning Institute of Energy Resources (LIER), Yingkou , P.R.China on 15th Nov 2008.
3. Keynote lecture delivered on "Biomass Potential for Power Generation in India" , International Level Symposium on Renewable Energy for Rural Development (ISORE-2010),February 25th -27th , 2010. Sangamner, India.
4. Keynote lecture deliveredon "Biomass for Gasification" in One-day Regional Seminar on Trends in Renewable Energy Applications and Technologies, Organized by Department of Mechanical Engineering, MVSR Engineering College, Hyderabad and Sponsored by Ministry of New and Renewable Energy Govt. of India. On 4th February 2012.
5. Lecture deliveredon "Non-Conventional Energy Sources (Solar, Wind and Biomass)" for Capsule course on Water & Energy Conversation & Economy in Tariff held at Chief Engineers (FY) Hyderabad (**Military Engineering Services**) on 25 June 2012.

6. Lecture delivered on "Internet for Society" for the participants of the Refresher Course in Information Technology, organized by the UGC-Academic Staff College, Osmania University, on 05 July 2012.
7. Lecture delivered on "Internet for Society", in the Refresher Course in Information Technology, organized by the UGC-Academic Staff College, Osmania University, Hyderabad, on 24th -July-2013.
8. Two lectures delivered in the Refresher Course on "Emerging Trends in Renewable Energy Sources & Energy Management" (June 9-28, 2014) at UGC-Academic Staff College, JNTUH Kukatpally, Hyderabad, on June 17, 2014.

Solar-Wind Hybrid Power Systems

Biomass and Its Technologies for Power Generation.

9. Extension lecture delivered on "Sustainable Energy for Sustainable Development" on November 29, 2014 at Keshav Memorial Institute of Commerce & Sciences, Hyderabad.
10. Expert lecture on "Solar, Wind, Biomass energies applications" in one week faculty development program, during September 27 - October 2, 2016. Organised by Aditya Institute of Technology and Management, Tekkali.
11. Guest lecture on "Non-Conventional Energy Sources" at CMR College of Engineering & Technology, Hyderabad, on August 11, 2017.
12. Invited lecture on "Research Potential in Biomass for Rural India Power Generation" in one week faculty development program on Recent Trends in Mechanical and Industrial Engineering (RTMIE - 2017) during December 11-15, 2017. Organized by Dept. of Mechanical Engineering, MVSR Engineering College, Hyderabad.
13. Invited talk on "Air Conditioning System in Automobile Sector (Design & Protocol)" in one week faculty development program on Automobile Refrigeration and Air Conditioning" during July 24-28, 2018. Organized by Dept. of Automobile Engineering, MVSR Engineering College, Hyderabad.
14. Expert lecture on "Utilization of Biomass for Power Generation - Especially In Rural India" at UGC-HRD Center, Osmania University, Hyderabad on June 19, 2020 (Online)
15. Expert lecture on "Biomass Gasification and Utilization for Rural India" at JNTU College of Engineering, Hyderabad on August 17, 2020.
16. Alumni Invited talk on "Internet of Things the future skill technologies" at M.V.S.R Engineering College (Online), on September 15, 2020
17. Invited talk delivered on December 18, 2020, on "Utilization of Biomass for Power Generation - Especially in Rural India" at Online Two-Week Faculty Development Programme (FDP) On Renewable Energy Intervention In Industry, Commercial And Domestic Applications, Organized by RGM College of Engineering and Technology, Nandyal (December 14-26, 2020).
18. Invited talk delivered on February 19, 2021, on "Biomass Energy for Power Generation" at Online Two-Week Faculty Development Programme (FDP) On Renewable Energy Intervention In Industry, Commercial And Domestic Applications, Organized by RGM College of Engineering and Technology, Nandyal (February 15-27, 2021)
19. Keynote lecture on "Biomass Energy to Power for Small Villages" (September 25, 2021), The Third International Conference on Manufacturing, Material Science & Engineering (ICMMSE-2021), CMRIT, Hyderabad (September 24-25, 2021).

Organizing Member/Secretary

1. **Committee Member** of National Conference on Computational Methods in Mechanical Engineering (COMPUTIME) September 16-17, 2005.
2. **Committee Member** for One-day workshop on Advances in Computational Structural Mechanics and Fluid Flows (COSMECFLOWS) December 5th, 2005.
3. **Committee member** International Conference on "International Congress on Renewable Energy" (ICORE 2006) February 8-11, 2006 at Hyderabad International Convention Centre, Hyderabad.
4. **Organizing Secretary "ENVISAGE - 2006"** Three day National Level Technical Festival has conducted, during April 3-5, 2006.
5. **Organizing Secretary "ENVISAGE - 2007"** Three day National Level Technical Festival has conducted, during January 19-21, 2007.
6. **Organizing Secretary "ENVISAGE - 2008"** Two day National Level Technical Festival has conducted, during January 11-12, 2008.
7. **Committee Member** of the 53rd Congress of Indian Society of Theoretical and Applied Mechanics (ISTAM-2008) December 27th-30th, 2008.
8. **Organizing Secretary "Samskruthi -2009"** One day cultural festival has conducted at Univ. College of Engineering, Osmania University, Hyderabad, during 28 March 2009.
9. **International Scientific Committee Member**, International Conference on Renewable Energy and Power Quality, **Spain**, since 2009.
10. **Co-Convener**, International Conference on "Reforms in Technical Education-Global Trends" (**ICORTE 2010**) August 27-28, 2010. Organized by the Dept. of Mechanical Engineering, University College of Engineering, Osmania University, Hyderabad, India.
11. **Convener**, National Conference on "Recent Advances in Mechanical Engineering" (**RAME-2012**) 16-17 March 2012. Dept of Mechanical Engineering, Osmania University, Hyderabad.
12. **Organizing Secretary "Qizzateck-2013"** quiz finals has conducted at Univ. College of Engineering, Osmania University, Hyderabad, on 23 March 2013.
13. **Organizing Secretary "Qizzateck-2014"** quiz finals has conducted at Univ. College of Engineering, Osmania University, Hyderabad, on 22 March 2014.
14. **Organizing Secretary "Samskruthi -2014"** One day cultural festival has conducted at Univ. College of Engineering, Osmania University, Hyderabad, during 23 March 2014.
15. **Convener**, National Conference on Emerging Trends in Mechanical Engineering (**ETIME-2014**) 29-30 December 2014, Dept. of Mechanical Engineering, Osmania University, Hyderabad.
16. **Organizing Secretary "Qizzateck-2015"** quiz finals has conducted at Univ. College of Engineering, Osmania University, Hyderabad, on 23 March 2015.
17. **Organizing Secretary "FreeStyle 2015"** (for B.E I/IV) one day programme has been conducted at Univ. College of Engineering, Osmania University, Hyderabad, on 11 May 2015.
18. **Organizing Secretary "Quizzotic-2016"** conducted quiz finals comprises a spectrum of areas encompassing the latest developments both technical and non-technical arena, at University College of Engineering, Osmania University, Hyderabad on March 21, 2016.
19. **Organizing Secretary "FreeStyle-2016"** (for BE First years) one day Programme conducted at University College of Engineering, Osmania University, Hyderabad on April 19, 2016.
20. **Organizing Committee member**, International Conference on Advances in Materials and Manufacturing (ICAMM-2016), December 8-10, 2016, jointly organized by Department of Mechanical Engineering, Osmania University and DRDL, DRDO, Hyderabad.
21. **Organizing Secretary "Quizzotic-2017"** conducted quiz finals comprises a spectrum of areas encompassing the latest developments both technical and non-technical arena, at University College of Engineering, Osmania University, Hyderabad on March 25, 2017.
22. **Organizing Secretary "FreeStyle-2017"** (for BE First years) one day Programme conducted at University College of Engineering, Osmania University, Hyderabad on April 15, 2017.
23. **Organizing Committee member**, International Conference on Advances in Materials and Manufacturing (ICAMM-2016), December 8-10, 2016, jointly organized by Department of Mechanical Engineering, Osmania University and DRDL/DRDO, Hyderabad.
24. **Organizing Committee member**, 62nd Congress of Indian Society of Theoretical and Applied Mechanics (ISTAM-2008) December 15-18, 2017.
25. **Organizing Secretary "Quizzotic-2018"** conducted quiz finals comprises a spectrum of areas encompassing the latest developments both technical and non-technical arena, at University College of Engineering, Osmania University, Hyderabad on March 24, 2018.

26. **Organizing Secretary "FreeStyle-2018"** (for BE First years) one day Programme conducted at University College of Engineering, Osmania University, Hyderabad on April 07, 2018.

Social Programs

1. Participated in National Renewable Energy Day 2005
2. One of the organizing members of National Renewable Energy Day 2006.
3. Participated in TelanganaHarithaharam on July 11, 2016 and July 07, 2017
4. Participated and bestowed on "General Awareness Quiz on World Environment Day" Organized by ITM University, Raipur, during June 05, 2020
5. Participated in the event "International Day of Yoga" Organized by Heartfulness Institute during June 21, 2020

Awards/Honors

1. Recognized as Top 100 Scientists 2009, International Biographical Centre, CAMBRIDGE, ENGLAND.
2. 2000 Outstanding Scientists 2008/2009, International Biographical Centre, CAMBRIDGE, ENGLAND
3. Received **BEST PAPER AWARD**, "**Computational analysis of advanced biomass downdraft gasifier**" at the second IASTED International Conference on Power and Energy Systems and Applications (PESA 2012) 12 - 14 November 2012, **Las Vegas, USA.**

ADMINISTRATIVE PROFILE

1. **In-Charge of time-tables**, (UG & PG)(Regular & Part-time Courses) Department of Mechanical Engineering, University College of Engineering (Autonomous), Osmania University, Hyderabad. June 2002 to June 2007.
2. **Officer In-Charge**, Automobile Engineering Section, Osmania University, Hyderabad, June 2003 – July 2004
3. **In-Charge** for Conducting M.E (Mech) Main Examinations during 2003-2004, Dept. of Mechanical Engineering, University College of Engineering (Autonomous), Osmania University, Hyderabad.
4. **Department Convener** for M.E/M.Tech Admissions 2004-2005, Department of Mechanical Engineering, Osmania University, Hyderabad.
5. **Officer In-Charge**, Computer Laboratory, Dept. of Mechanical Engineering, University College of Engineering, Osmania University, Hyderabad, since July 2004.
6. **Member, TEQIP** – Purchases Committee, Dept. of Mechanical Engineering, University College of Engineering, Osmania University, Hyderabad, January 2005 to June 2008.
7. **Department Convener** for M.E/M.Tech Admissions 2005-2006, Department of Mechanical Engineering, Osmania University, Hyderabad.
8. **Director**, Centre for Creative Technologies, University College of Engineering (Autonomous), Osmania University, Hyderabad, October 2005 to till date.
9. **Coordinator&Asst.Chief Superintendent**, B.E & M.E Main Examinations, University College of Engineering, Osmania University, Hyderabad, March 2006 to August 2016.
10. **Director**, Centre for Energy Technology, University College of Engineering (Autonomous), Osmania University, Hyderabad since August 2008.
11. **Faculty Advisor**, "SAEINDIA Collegiate Club" Univ. College of Engineering, Osmania University, Hyderabad, from 2010 to 2016.
12. **Student Advisor**, University College of Engineering (Autonomous), Osmania University, Hyderabad since October 2009 to April 2018.
13. **Website In-Charge**, University College of Engineering (Autonomous), Osmania University, Hyderabad from July 2009 to June 2012.
14. **Faculty Advisor**, ME Turbomachinery Course, Dept. of Mechanical Engineering, University College of Engineering, Osmania University, Hyderabad, August 2011 to September 2019.
15. **Departmental Committee Member**, Dept. of Mechanical Engineering, University College of Engineering, Osmania University, Hyderabad, 2011 to 2016
16. **Board of Studies Member**, Dept. of Mechanical Engineering, University College of Engineering, Osmania University, Hyderabad since 2011.
17. **In-charge**, College Automation, UCE, OU since September 2012 – September 2013.
18. **Assistant Controller of Examinations (EDP), Osmania University**, Hyderabad, July 27, 2016 to November 23, 2016.
19. **Assistant Controller of Examinations (Professional-I), Osmania University**, Hyderabad November 24, 2016 to June 05, 2017.
20. **Departmental Research Committee Member**, Dept. of Mechanical Engineering, University College of Engineering, Osmania University, Hyderabad, since December 2016.
21. **Additional Controller of Examinations (Professional-I), Osmania University**, Hyderabad, June 06, 2017- July 31, 2019
22. **Departmental Committee Member**, Dept. of Mechanical Engineering, University College of Engineering, Osmania University, Hyderabad, May 2019 to May-2021.
23. **TEQIP-III Project Coordinator**, University College of Engineering, Osmania University, Hyderabad, since August 19, 2019.

Outside Osmania University

1. **International Scientific Committee Member**, International Conference on Renewable Energy and Power Quality, **Spain**, since 2009.
2. **International Scientific Committees**, World Academy of Science, Engineering and Technology (**USA**) since 2014.
3. **Member**, Board of Studies in Mechanical Engineering, Malla Reddy Engineering College (UGC-Autonomous), Hyderabad. Since April-2015.
4. **Member**, Board of Governing (BoG) affiliated colleges of Osmania University since August 2021.
5. **Member**, Board of Studies in Mechanical Engineering, Malla Reddy Institute of Engineering & Technology (UGC-Autonomous), Hyderabad. Since October-2021.