

Name of Faculty Dr. NAGINI YARRAMSETTY
 Designation Assistant Professor
 Nature of Job/Appointment Regular
 Date of Joining 15 – 12 - 2005
 E-mail ynagini_mech@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of philosophy	Awarded
PG	M.E. (Heat transfer)	First
UG	B. Tech (Mechanical Engineering)	First

Work Experience

Teaching	19 Years
Research	--
Industry	--
Others	--

Area of Specialization Heat Transfer, Internal combustion engines, Fuels

Professional Memberships
 1. Indian Society for Technical Education- LM113560
 2. Combustion Institute -Indian Section- LMC-1327

Responsibilities held at Institution Level --

Responsibilities held at Department Level
 1. Student Counseling co-ordinator
 2. Member, Course Expert Group
 3. Member of NBA, NAC and UGC-Autonomous Extension Work in the Department
 4. Member in Women development cell

Research Guidance --

Courses Handled at Under Graduate / Post Graduate Level.
 Heat and Mass Transfer, Thermodynamics, Thermal and Nuclear Power Plants, Fuels and Combustion, Waste Management, Elements of Mechanical Engineering, Prime movers and Pumps, Engineering Graphics, Workshops

No. of Papers Published
 National Journals – 0 International Journals – 11
 National Conference – 03 International Conference – 02

Projects Carried out --

Patents 02

Technology Transfer --

Invited Speaker (Few Important/Prominent) --

No. of Books/Chapter Published with details
 1. Published Book Titled "Alternative Liquid Fuels in IC Engines", Vrinda Publishing House, Feb2017 .
 2. Published Book Chapter "Reduction of pollutants in 2-stroke petrol engine" in the Book "Titled Advanced Aspects of Engineering Research "

Organised

1. One Day Workshop On "Industrial Practices In mechanical Engineering" at C.B.I.T, Hyderabad on 31-08-2017.
2. Two Day Workshop "On--Alternative fuels", at C.B.I.T, Hyderabad during 10-02-2017 to 11-02-2017.
3. Two Day Workshop "On--Advances In Thermal Engineering", at C.B.I.T, Hyderabad during 28-12-2014 to 29-12-2014.

FDP's Attended

1. One week Online FDP on "Recent Advances in Renewable Energy & Energy Efficiency Technologies" organized by (1 Week) Department of Mechanical Engineering (Mechatronics), MGIT, during 21st - 25th July, 2020
2. One week Online FDP on "Modeling and Analysis using MATLAB and Python for Mechanical Engineering Applications" organized by Department of Mechanical Engineering, VNR Vignana Jyothi Institute Of Engineering And Technology during, during 3rd - 8th August, 2020.
3. One week Online FDP on "Recent Trends in Turbo Machines (RTTM -2020)" organized by Department of Mechanical Engineering, Vasavi College of Engineering during 14th – 19th, September, 2020.
4. One week Online FDP on "Solar Energy: Technologies and Applications" organized by Jyothi Engineering College, during 21st - 25th September, 2020.
5. One week Online FDP on "Molecular Manufacturing" organized by Department of Mechanical Engineering, Chaitanya Bharathi Institute of Technology during 19th - 23rd October, 2020.
6. One week Online FDP on "Research Methodologies And Statistical Data Analysis" organized by Department Of Mechanical Engineering, Chaitanya Bharathi Institute Of Technology (A) during 16th – 28th November, 2020.
7. One week Online FDP on "Recent Advancements in Green and Sustainable Manufacturing" organized by Siddarth Institute of Engineering and Technology, Puttur during 8th - 13th March, 2021.
8. One week Online FDP on "Emerging trends in Thermal Engineering" organized by Department of Mechanical Engineering, Sri Chaitanya College of Engineering during 3rd to 7th May, 2021.
9. One week Online FDP on "Climate Change, Disaster and Pandemic Management for Sustainable Development", organized by NITTR, Chandigarh, during 18.05.2020 to 22.05.2020,
10. One week Online FDP on "Computer Aided Design and Manufacturing (CAD/CAM) during 27-04-20 to 01-05-20 , organized by NITTR, Chandigarh, from 25.05.2020 to 29.05.2020,
11. One week Online FDP on "Strategic Planning for Entrepreneurship Promotion" organized by NITTR, Chandigarh during 04.05.2020 to 08.05.2020,
12. One week Online FDP on "Waste Management" organized by NITTR, Chandigarh during 11-05-20 to 15-05-20,
13. One week Online FDP on "Communication and Presentation Skills" organized by Chandigarh during 18-05-20 to 22-05-20,
14. One week Faculty Development Programme on "Outcome based education and NBA accreditation process-UG" organized by CBIT from during 28.05.2020 to 01.06.2020.
15. Three days on 'Effective and Efficient Online Teaching in the Age of Corona, A Hands On Workshop' on 23 May 2020 organized by IIT Bombay.
16. Two days online FDP on "Effective Technical Report Writing using LaTeX" organized by M.G.I.T on 8th and 9th June 2020.
17. FDP on "convective heat transfer" by NPTEL-AICTE, (Feb-March) 2019,
18. FDP on "IC Engines and Gas Turbines" by NPTEL-AICTE. (Jan-March) 2019.
19. FDP On --Emerging trends in Computational Materials and Industrial Applications. March 2017 TEQIP-II, Mechanical Engineering Department, CBIT, Hyderabad
20. Work shop On "Computational Fluid Sciences". April 2016 TEQIP-II Mechanical Engineering Department, CBIT, Hyderabad

Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops. Other Trainings (Attended and/or Organized).

21. FDP On "Finite Element Analysis and Practices through ANSYS", March,2014, AICTE, Sponsored, CBIT, Hyderabad
22. Two day workshop on "Recent Trends in manufacturing", July2013,TEQIP-II, Mechanical Engineering
23. Refresher Course On "Recent Advances in Thermal Engineering and their Applications", Nov2013,UGC Sponsored ,JNTUH, Hyderabad.

Webinars Attended

1. Webinar on "Realization of Functionally Graded Materials in Modern Orthopaedic Medicine" organized by The Institution of Engineers (India), Punjab & Chandigarh State Centre in Collaboration with Baba Banda Singh Bahadur Engineering College, Fatehgarh Sahib on 14th August, 2020.
2. Webinar on "Boiling Heat Transfer Enhancement using compound technique" organized by Department Of Mechanical Engineering JNTUH college of Engineering, Hyderabad on 12th September 2020 (Forenoon)
3. Webinar on "Enhanced Solar Thermal Energy conversions with Nano Fluids "organized by Department Of Mechanical Engineering JNTUH college of Engineering, Hyderabad on 12th September 2020 (afternoon)

Details of Journal Publications/ Conferences (National and International)

International Journal

1. N. Venkateshwararao, M. V. S. Murali Krishna, Ch. Indira Priyadarshini, Y. Nagini, "Comparative Studies On Control Of Emissions Of Two Stroke And Four Stroke Spark Ignition Engines ", Volume 12, Issue 2, pp. 41-50, February 2021
2. Y. Nagini and M.V.S. Murali Krishna, Investigations On Exhaust Emissions From Copper Coated Spark Ignition Engine With Gasoline Blended Alcohols, Volume 12, Issue 5, Pp. 11-18, May 2021.
3. Y. Nagini and M.V.S. Murali Krishna, Investigations On Low Heat Rejection Diesel Engine With Carbureted Alcohols And Crude Cottonseed Oil, Volume 12, Issue 5, Pp. 19-30, May 2021.
4. Y.Nagini, M.V.S. Murali Krishna, S.NagaSarada (2020) "Reduction of pollutants in SI engine with varied ignition timing", International Journal of Automobile Engineering Research and Development (IJAuERD) Vol. 10, Issue 3, pp.59-66
5. Y.Nagini, M.V.S. Murali Krishna, S.NagaSarada (2020) " Impact of spark ignition timing on pollutants of modified combustion chamber of SI engine ", International Journal of Mechanical and Production Engineering Research and Development (JMPERD), Vol. 10, Issue 3, pp.1131-1138
6. Y.Nagini, M.V.S. Murali Krishna, S.NagaSarada (2019) "Thermal Analysis of Modified Combustion Chamber of Spark Ignition Engine", International Journal of Mechanical Engineering and Technology, Volume-10, Issue-5,
7. Jyothirmayi Narne, Varimadugu Sandhya, Nagini Yarramsetty & V.Jaipal Reddy, (2019) " Experimental and Numerical Investigations on Crack Propagation in Titanium alloys ", International Journal of Current Engineering and Technology, Vol-8, Issue-4, pp. 922-927
8. Ch. Indira Priyadarshini, M.V.S. Murali Krishna, Ipsita Mohanti, Y.Nagini, S. Narasimha Kumar and K.Kishor (2019) " Control of exhaust emissions from copper coated spark ignition engine with butanol blended gasoline with catalytic converter with different catalysts ", International journal of Pollution Research, Vol-37, Issue -4,
9. Ch.V.Sushma, Y.Nagini, V.Sandya, E.Himanandini, Shaheen & J.Suyeja (2018) " Investigations of mechanical properties of bidirectional carbon / glass reinforced epoxy hybrid composites" International journal of Mechanical and production engineering research and development, Vol-8, Issue-3, pp. 449-456
10. Y.Nagini¹, M.V.S. Murali Krishna², S.Naga Sarada³ and Machiraju Aditya Seshu (2016) " Control of Aldehydes with Copper Coated Four Stroke Spark Ignition Engine with Gasohol with SCR Technique", International Journal of Thermal Technologies, Vol.6, No.2, pp.134-138
11. Y.Nagini¹, M.V.S. Murali Krishna², S.Naga Sarada³ (2016) " Control Of Pollution Levels of Four Stroke Spark Ignition Engine Fuelled With Gasohol " International Journal of Advanced Scientific and Technical Research, Issue 6, volume 3, pp.29-34
12. Y.Nagini¹, M.V.S. Murali Krishna², S.Naga Sarada³ (2016) " Experimental Investigations on Performance Parameters with Four Stroke Spark Ignition Engine with Copper Coated Combustion Chamber with Gasohol " International Journal of Current Engineering and Technology, Vol.6, No.3, pp.841-846

13. Y.Nagini¹, M.V.S. Murali Krishna² , S.Naga Sarada³ (2014) " Control of Aldehydes from Four Stroke Spark Ignition Engine with Copper Coated Combustion Chamber with Gasohol with Improved Design of Catalytic Converter" , International Journal for advance research in engineering and technology, Vol. 2, Issue IV,pp.----
14. Y.Nagini¹, M.V.S. Murali Krishna² , S.Naga Sarada³ (2014) " Studies on exhaust emissions of a four-stroke copper coated spark ignition engine with gasohol with improved design of a catalytic converter " , International Journal of Mechanical Engineering and Technology (IJMET), Volume 5, Issue4,pp.72-82

International Conferences:

1. B.Anjali,Y.Nagini, "Experimental Analysis of Solar Still With Sponge Cubes" 1st International Conference on Developments in Sustainable materials, Manufacturing and Energy engineering (ICDSME-2021)
2. Y. Nagini ,Maddali V.S. Murali Krishna,Ch, Indira Priyadarsini, , S. Naga Sarada,P.Usha Sri and K.RaviKumar (2016), " Experimental Investigations on Exhaust Emissions of 4-s ,copper coated SI engine with Gasohol with catalytic converter", International conference on Recent Advances in Engineering, Science and Technology.
3. Maddali V.S. Murali Krishna,Ch, Indira Priyadarsini,Y. Nagini, S. Naga Sarada, P.Usha Sri and D.Srikanth (2015) " Effect of Spark Ignition Timing on Copper coated Spark Ignition Engine with Alcohol Blended Gasoline with Catalytic Converter", ASME 2015 International Mechanical Engineering Congress and Exposition.

National Conferences

1. Ch, Indira Priyadarsini, , Y. Nagini ,Maddali V.S. Murali Krishna,, " Industrial Air Pollution -A Serious Issue in Hyderabad-A Review", Role of engineers in the development of new state of telangana-2015.
2. Ch, Indira Priyadarsini, ,P.Usha Sri ,Dr.M.V.S. Murali Krishna, K.Kishore,Y. Nagini, (2013), " Flow Analysis of Emissions through catalytic converter", Advances in Mechanical Engineering and Renewable Energy-2013.
3. Ch, Indira Priyadarsini, P.Usha Sri , Y. Nagini, , K.Kishore and S.NarsimhaKumar,S.NagaSarada, ," Comparative studies on emissions of two stroke and four stroke copper coated S.I engine with methanol blended gasoline.", Advances in Mechanical Engineering and Renewable Energy-2013.

