

Dr. P. NAGESWARA REDDY

Department : Mechanical Engineering
College : Gudlavelleru Engineering College
Phone No : ---
Mobile : 9848779122
E-Mail : nageswara_pereddy@rediffmail.com;

RESIDENTIAL ADDRESS:

Ananda Nilayam, D.No 10-284/A1, opp. R.T.O Office, 2nd lane, Rajendra Nagar, Gudivada, Krishna (D.t)-521301, Andhra Pradesh.

ACADEMIC QUALIFICATIONS:

- ❖ Ph.D - Rotor Blade Dynamics
- ❖ M.E - Refrigeration & Air-Conditioning
- ❖ B.Tech. - Mechanical Engineering

ACADEMIC REWARDS / ACHIEVEMENTS: Nil

PROFESSIONAL EXPERIENCE:

Designation	Institution	Period
Professor & Principal	Gudlavallerru Engineering College	29.10.2009 to Till date
Professor & Additional Principal	Gudlavallerru Engineering College	29-10-2009 to 28-02-2010
Professor & Principal	Balaji Institute of Technology & Science, Narsampet, Warangal District	01-08-2007 to 28-10-2009
Professor & HOD	L.B.R. College of Engineering, Mylavaram, Krishna District	27-02-2003 to 31-07-2007
Professor & HOD	K.C.G. College of Technology, Chennai	12-06-2002 to 26-02-2003
Associate Professor	N.B.K.R.I.S.T, Vidyanagar, Nellore District	01-07-1998 to 11-06-2002
Assistant Professor	N.B.K.R.I.S.T, Vidyanagar, Nellore District	19-07-1989 to 30-06-1998

PROJECTS GUIDED:

PhD	Post Graduation	Under Graduation
02	02	22

SPECIALIZATION:

- ❖ Ph.D.- Rotor Blade Dynamics
- ❖ M.E - Refrigeration & Air Conditioning

RESEARCH PAPERS / BOOKS

BOOKS PUBLISHED IN PUBLICATIONS: Nil

PAPERS PUBLISHED IN JOURNALS AND CONFERENCES:

Journals:	National	:	05
	International	:	14
Conferences:	National	:	10
	International:		01

Journals:

a) National :

- ❖ Paper on “Simulation Studies on Two- Dimensional Electronic Board with Multiple non identical Heat Sources”, Journal of Applied Mechanics and Materials Vols. 592-594 (2014) pp 1776-1783.
- ❖ Paper on “Experimental Investigation on Jatropha Bio Diesel and Additives in Diesel Engine” – Indian Journal of Science and Technology, Volume-2, No.44, PP.25-31 (2009).
- ❖ Paper on “Stability of Hingeless, FRP, Helicopter Rotor Blades in Hover with Pitch-Link Flexibility, Precone, Drop and Sweep” Journal of the Aeronautical Society of India, November 2000, Volume 52, PP.226 to 238.
- ❖ Paper on “Stability of Elastic Bending and Torsion of Hingeless, FRP, Helicopter Rotor Blades in Hover with Variable Structural Coupling”, Journal of the Aeronautical Society of India, February, 2002, Volume 54, PP. 52 to 70.
- ❖ Paper on “Third Degree Geometric Nonlinear Aeroelastic Equations for Hingeless, FRP, Helicopter Rotor Blades in Hover including Pitch-Link Flexibility, Precone, Sweep and Droop” Journal of the Aeronautical Society India, August 1999, Volume 51, PP.141 to 151.

b) International:

- ❖ "Dynamic analysis of thin-walled Composite I-beams-by using ANSYS", International Journal of Engineering Research and Science & Technology, Vol. 5 No. 3, ISSN 2319-5991
- ❖ Paper on "Experimental Analysis of Karanja Oil Methyl Ester for Compression Ignition Engines with THERMOL-D additive", International Journal of science & engineering research, volume 4, issue 10, pp.377-382, October 2013.
- ❖ Paper on "Experimental Investigation of Compressed Ignition Engine Using Cotton Seed Oil Methyl Ester as Alternative Fuel", International Journal of Engineering and science, ISSN: 2278-4721, Vol. 2, Issue 1, January, 2013.
- ❖ Paper on "Performance And Emission Characteristics of a Diesel Engine Operated on Mahua Oil Methyl Ester", International Journal of mechanical engineering, 55,pp.12978-12982., February 2013.
- ❖ Paper on "Emission & Performance Characteristics of emulsified E-diesel in DI-Engine", International Journal of Applied Engineers Research, Volume 3, No.10, PP.1245-1286 (2008).
- ❖ Paper on "Effect of Jatropha Oil and Diesel Fuel Blends on Engine Performance and Exhaust Emissions" – International Journal of Systems & Technologies, Volume – 2, No.1, PP 49-60 (2009).
- ❖ Paper on "Jatropha Oil Methyl Ester and its Blends used as an alternative fuel in diesel engine" Published in Journal of Thermal Science, Volume 13, issue 3, 2009.
- ❖ Paper on "Jatropha Oil Methyl Ester and its blends used as an alternate fuel in Diesel Engine", Thermal Science International Scientific Journal, Vol.13 (2009), No.33, pp.207-217.
- ❖ Paper on "Use of Jatropha Oil Methyl Ester and its blends as an alternative fuel in diesel engine", Journal of the Brazilian Society of Mechanical Sciences & Engineering, July – September 2009, Volume XI, No.3, pp.253-260.
- ❖ Paper on "Experimental Investigations on Diesel Engine using Cottonseed Methyl Ester and its Blends", International Journal on Mechanical & Automobile Engineering, November 2008 – January 2009, Vol.1, No.1, pp.14-22.
- ❖ Paper on "Performance and emission characteristics of Diesel engine with Methyl Ester Jatropha Oil and its blends" published in Journal of Energy and Environment, 2010, Vol.21, No.1. pp.1343-1355.
- ❖ Paper on "Effect of cotton seed oil Methyl Ester on the performance of a Diesel Engine" Published in International Journal of Ambient Energy, Vol.31, October, 2010

- ❖ Paper on “Performance and Emission Characteristics of Diesel Engine with Methyl Ester Jatropa Oil and its Blends” Published in Journal of Energy and Environment, Volume 20/21, January, 2010.
- ❖ Paper on “Comparative Analysis of Performance and Emissions of an Engine with Palm Oil Biodiesel Blends with Diesel” Published in International Journal of Engineering Science and Technology, Vol.3, No.5, May, 2011

PAPERS PUBLISHED IN CONFERENCES/WORKSHOPS:

a) National:

- ❖ Attended one week faculty training program on “**MATLAB Applications in Mechanical Engineering**”, organized by the Department of Mechanical Engineering, Gudlavalleru Engineering College, Gudlavalleru during 7th to 11th September, 2015.
- ❖ Attended One week workshop on “**Training Program on ANSYS**”, organized by the Departments of Mechanical and Civil Engineering, Gudlavalleru Engineering College, Gudlavalleru during 22nd to 27th June, 2015.
- ❖ Attended 2 day workshop on “**Recent Trends in Manufacturing Processes**”, organized by Department of Mechanical Engineering, Gudlavalleru Engineering College, Gudlavalleru during 27th – 28th June, 2014
- ❖ Attended Three day NBA workshop on “**Training for Resource Persons and Evaluators on Outcome Based Accreditation**” at V.R. Siddhartha Engineering College, Vijayawada during 26th to 28th September 2013.
- ❖ Attended a 1-day workshop on “**Thermodynamics solution and Practice using MATLAB**”, organized by Department of mechanical engineering, Gudlavalleru Engineering College on 18.02.2013.
- ❖ Attended a One day workshop on “**DFX - Product Design Excellence**”, organized by department of mechanical engineering, Gudlavalleru Engineering College, on 17th September, 2012.
- ❖ Paper on “Perofrmance of a C.I. Engine with Emulisified Ethonol-diesel fuels, proceeding of National Conference of Advanced Trends in Mechanical Engineering Research & Development, 21st December 2002, J.N.T.U. College of Engineering Anantapur. PP.164 to 168.
- ❖ Paper on “Forming Limit Diagrams of AISI Type 304 stainless Steel, AMMT-2004” March 8th to 9th. JNTU-Hyderabad.
- ❖ Paper on “A simplified procedure for the selection of best structural formula for a machine tool gear bax” AMMT – 2004. March 8th to 9th JNTU-Hyderabad.

- ❖ Paper on “Modeling the Positive Minor Strain Region of Forming Limit Diagram” Proceedings of National Conference on Computer Applications in Mechanical Engineering, J.N.T.U.College of Engineering, Anathapuram on 21st December 2005.

b) International:

- ❖ “Performance & Emissions Characteristics of a Diesel Engine using Cotton Seed Oil and its Methyl Esters” Proceedings of International Conference on IC Engines & Combustion organized by JNTU, Hyderabad, 6-9 December 2007.

LIST OF WORKSHOPS ORGANIZED:

- ❖ Co-ordinator for one week Short Term Training Programm on “Finite Element Solutions for Machine Dynamics & Heat Transfer Problems”, sponsored by ISTE, New Delhi and organized by L.B.R. College of Engineering, Mylavaram during 26th – 30th June, 2006.
- ❖ Co-ordinator for one week Refresher Course on “Applied Thermodynamics”, organized by L.B.R.College of Engineering, Mylavaram during 5th – 9th December, 2005.
- ❖ Convener for one day Workshop on “Environment and Pollution Awareness”, sponsored by AICTE, New Delhi and organized by L.B.R. College of Engineering, Mylavaram on 12th June 2004.

LIST OF WORKSHOPS /CONFERENCES /SEMINARS ATTENDED:

- ❖ Attended NBA workshop on “Training for Resource Persons and Evaluators on Outcome Based Accreditation” organized by V.R. Siddhartha Engineering College, Vijayawada dated on 13.9.2013
- ❖ Attended NBA workshop on “Training for Resource Persons and Evaluators on Outcome Based Accreditation” organized by V.R. Siddhartha Engineering College, Vijayawada during 26-9-2013 to 28-9-2013

a) Refresher course:

- ❖ Participated one day Workshop at Thermodynamics Solution and Practice using MATLAB in Gudlavalleru Engineering College, Seshadri Rao Knowledge Village, Gudlavalleru
- ❖ UGC sponsored Refresher Course in Mechanical Engineering at J.N.T.University, Masab Tank, Hyderabad during 4th – 30th July, 1994.

b) Orientation courses / Workshops:

- ❖ ISTE sponsored Short Term Training Programme on “Finite Element Solutions for Machine Dynamics and Heat Transfer Problems” at L.B.R.College of Engineering, Mylavaram during 26th – 30th June, 2006.
- ❖ AICTE sponsored Workshop on “Finite Element Method & its Applications to Non-linear Problems” at G.P.R. College of Engineering, Kurnool during 20th – 21st January, 2006.
- ❖ Workshop on “Gas Dynamics & Its Applications” at K.L.College of Engineering, Vaddeswaram, Vijayawada during 7th – 8th November, 2005.
- ❖ Training Course on “CNC Turning / CNC Milling” at MTAB & DENFORD Equipment Centre, Chennai during 21st October – 2nd November, 2002.

❖ c) Conferences:

- ❖ International Conference on IC Engines & Combustion organized by J.N.T.U., Hyderabad. 6-9 December 2007.

CERTIFICATIONS: Nil

GUEST LECTURES DELIVERED:

- ❖ Delivered a guest lecture on “Combined Power Cycles” at Andhra Loyola Engineering College, Vijayawada on 12.1.2013.
- ❖ Delivered a key note address at SVH College of Engineering Machilipatnam on 9.9.2011.

MEMBERSHIP IN PROFESSIONAL BODIES:

❖ MISTE

❖ FIE

CONSULTANCY ACTIVITIES: Nil

GRANTS FETCHED: Nil