

Name of Faculty Dr. N JANARDHAN
Designation Assistant Professor
Nature of Job/Appointment Regular
Date of Joining 02– 12 - 2010



E-mail njanardhan_mech@cbit.ac.in

Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (Mechanical)	Awarded
PG	M. Tech. (Thermal)	Distinction
UG	B. E. (Mechanical)	First

Work Experience

Teaching	16
Research	06 years
Industry	5
Others	04 Months

Area of Specialization Thermal Engineering

Professional Memberships Member, ISHRAE Number: 225894

Responsibilities held at Institution Level
1. Worked as In-Charge, Academics and Examinations, from DD-MM-YYYY to DD-MM-YYYY.

Responsibilities held at Department Level
1. Member, Course Expert Group
2. NAAC coordinator
3. Heat Transfer Lab In charge

Research Guidance --

Awards Received --

Courses Handled at Under Graduate / Post Graduate Level.
Thermodynamics, ATDHT, Refrigeration & Air conditioning, Artificial Intelligence, Finite Element Analysis, Fluid Mechanics & Hydraulic Machines, CAD & D, Applied Thermodynamics, Heat Transfer, Failure Analysis and Design

No. of Papers Published
National Journals – International Journals – 42
National Conference – 01 International Conference – 2

Projects Carried out
Consultancy Project-DRDO
1. Control of aldehydes in high grade insulated diesel engine with low cost catalytic converter
M.V.S.Murali Krishna, K.Kishor, Y.Nagini, N.Janardhan,
Date of filing application 06/07/2022,
Date of publishing- 15/07/2022,
Application No. 202241039527
2. Spark ignition engine with copper coated piston, copper coated liner and copper coated cylinder head

Patents

M. V.S.Murali Krishna, K.Kishor, N.Janardhan,
K.N.V.Sreedevi
Date of filing Application 06/07/2022
Date of publishing 15/07/2022
Application No 202241039530

3. Diesel engine with different levels of Insulation for controlling pollution levels
M.V.S.Murali Krishna, R.P.Chowdary, V.V.R.Seshagiri Rao, N.Janardhanan
Date of filing Application 06/07/2022
Date of publishing 22/07/2022
Application No 202241038961

Technology Transfer

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Invited Speaker

1. Invited guest lecture for a talk on 'Advanced Thermodynamics' on 5th April, 2017 in GURU NANAK INSTITUTIONS TECHNICAL CAMPUS.
2. Invited guest lecture on 'Basics of Mechanical Engineering for Non Mechanical Personnel' from 30th November to 4th December, 2018.
3. Delivered lecture on 'Thermodynamics Refrigeration' for the employees of Dr. Reddy's Laboratories from 12-02-2014 to 06-05-2014.
4. Invited guest lecture for a talk on 'Basics of Finite Elemental Techniques' on 7th April, 2019 in GURU NANAK INSTITUTIONS TECHNICAL CAMPUS

No. of Books/Chapter Published with details

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1. Participated one week Faculty Development Programme on "Out come Based Education and NBA Accreditation Process", during 28-may-2020 into 01-06-2020.
2. Participated oneweek Programme of online Faculty Development Programme on "INDUSTRY 4.0- A VISION OF DESIGN AND MANUFACTURING", conducted by the Department of Mechanical Engineering during 16th-20th June, 2020.
3. Participated oneweek online programme on "ADVANCED MATERIALS AND MANUFACTURING" from 29th/06/2020 to 03/07/2020 in KITS warangal
4. Participated one week faculty Development program me on "Finite Element Applications in Mechanical & Civil Engineering" Organized by the Department of Mechanical Engineering, CBIT, Hyderabad. 23-28, 2017.

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

Details of Journal Publications/ Conferences (**National and International**)

International Journal

- 1) Dr. N Janardhan, Dr.R.P Chowdary "Performance of Semi Adiabatic DI Diesel Engine with Supercharged air using Crude Jatropha Oil" International Journal of Soft Computing and Engineering (IJSCE) ISSN: 2231-2307, Volume-9 Issue-5, January 2020.

- 2) Dr. R.P Chowdary, Dr.N Janardhan,” Performance of waste fried Oil Based Bio Diesel in a Stationary Diesel Engine” International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-6, April 2020
- 3) N. Janardhan , N. V. Sreenivasulu, Y. Nagini, Experimental Investigations on Bio-Diesel with Nano Additive on High Grade Insulated Combustion Chamber at their recommended and Optimum Timings GRADIVA REVIEW JOURNAL, ISSN NO : 0363-8057, VOLUME 8 ISSUE 5 2022, Page 508
- 4) V.V.R.Seshagiri Rao1, M.V.S. Murali Krishna2*, R.P.Chowdary3 and N.Janardhan Investigations on exhaust emissions of insulated engine fueled with rice brawn biodiesel, Gradiva Review Journal, ISSN NO : 0363-8057, VOLUME 8 ISSUE 5 2022
- 5) Dr. N Janardhan, MVS Muralikrishna Comparative Investigations On The Performance Parameters Of Tobacco Seed Oil Biodiesel In A Low Heat Rejection Diesel Engine, ISSN Print: 0976-6340, Volume 13, Issue 2, pp. 6-22, February 2022
- 6) Dr. N. Janardhan , Dr. M V S.murali krishna, Testing of spark Ignition Engine with Alcohol, International Journal of Mechanical and Production Engineering Research and Development, ISSN: 2249-6890, vol - 11, issue - 3, Jun 2021
- 7) Dr. N Janardhan, Reduction Of Exhaust Emissions Of Semi Adiabatic Diesel Engine With Alternative Fuels, International Journal of Mechanical Engineering and Technology, ISSN: 0976-6359, Volume 12, Issue 3, pp:9-19, March, 2021(scopus)

