

1	Name of Faculty	Dr. N JANARDHAN		
2	Designation	Assistant Professor		
3	Nature of Job/Appointment	Regular		
4	Date of Joining	02- 12 - 2010		
5	E-mail	njanardhan_mech@cbit.ac.in		
6	Education Qualifications	Name of the Degree	Class	
	Ph. D	Doctor of Philosophy (Mechanical)		Awarded
	PG	M. Tech. (Thermal)		First
	UG	B. E. (Mechanical)		First
7	Work Experience			
	Teaching	16		
	Research	06 years		
	Industry	5		
	Others	04 Months		
8	Area of Specialization	Thermal Engineering		
9	Professional Memberships	Member, ISHRAE Number: 225894		
10	Responsibilities held at Institution Level			
11	Responsibilities held at Department Level	Lab Incharge- Heat Transfer		
12	Research Guidance	--		
13	Awards Received	--		
14	Courses Handled at Under Graduate / Post Graduate Level.	Thermodynamics, Heat Transfer, Applied Thermodynamics and Heat Transfer, Refrigeration and Air conditioning, Applied thermodynamics, Failure Analysis and Design, Finite Elemental Method, Engineering Graphics,		
15	No. of Papers Published	National Journals –	International Journals – 36	
		National Conference – 01	International Conference –	
16	Projects Carried out	--		
17	Patents	--		
18	Technology Transfer	--		
19	Invited Speaker	<ol style="list-style-type: none"> 1. Invited guest lecture for a talk on 'Advanced Thermodynamics' on 5th April, 2015 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, 2015. 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, 2012 in GURU NANAK INSTITUTIONS TECHNICAL CAMPUS 		
20	No. of Books/Chapter Published with details	Published One Chapter -- Book Titled "Network Security: Perspectives and Challenges", 2019.		
21	Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops.Other Trainings (Attended and/or Organized).	<ol style="list-style-type: none"> 1. Participated one week Faculty Development Programme on "Outcome Based Education and NBA Accreditation Process", during 28-may-2020 to 01-06-2020. 2. Participated one week 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 one week online programme on "ADVANCED MATERIALS AND MANUFACTURING" from 29th/06/2020 to 03/07/2020 in KITS warangal 4. Participated one week faculty Development programme on "Finite Element Applications in Mechanical & Civil Engineering" 		

		<p>Organized by the Department of Mechanical Engineering, CBIT, Hyderabad.23-28, 2017.</p> <ol style="list-style-type: none"> 5. Participated National Conference on “Emerging Trends in Mechanical Engineering“ held during 29-30th DEC,2014,in the Department of Mechanical Engineering , University College of Engineering (Autonomous), Osmania University , Hyderabad. 6. Participated in the two day National Conference on Advances in Mechanical Engineering & Renewable Energy, during 25th & 26th March, 2013. 7. Attended two days workshop on Nano Technology and its Applications, during 27th & 28th Feb 2012. 8. Attended a short term on Engineering Research Methodology held during 2-4 ,Feb,2012 . 9. Participated in the TEQUIP sponsored five-day in house Faculty Development organized by CBIT,during 2-6,January 2012. 10. Attended one day seminar organized by Energy Savers Club-EEE Department, CBIT held on 27th Aug 2011. 11. Participated one week in-house Training Programme on “Effective Teaching Methodology” organized from 24-11-2003 to 29-11-2003.
22	Details of Journal Publications/Conferences (National and International)	
	<p>International Journal</p> <ol style="list-style-type: none"> 1. Dr. R. P. Chowdary, Dr. N.Janardhan, Performance of Waste Fried Oil based Biodiesel in a Stationary Diesel Engine, International Journal of Innovative Technology and Exploring Engineering, ISSN: 2278-3075, Volume-9 Issue-6, April 2020. 2. Dr.N Janardhan, Dr. R.P. Chowdary, Performance of Semi Adiabatic DI Diesel Engine, International Journal of Soft Computing and Engineering, ISSN: 2231-2307, Volume-9 Issue-5, January 2020. with Supercharged air using Crude Jatropa Oil 3. Dr.N.Janardhan, Reduction of NOx levels in Diesel Engine with Alternative Fuel Using Selective Catalytic Reduction Techinque. International Journal of Engineering Science & Reseach Technology ISSN:2277-9655, 7(1): January, 2018, DOI: 10.5281/zenodo.1135985. 4. Dr.N Janardhan, Influence of Varied Injection Timing on Exhaust Emissions With Crude Jatropa Oil on Direct Diesel Engine with High High Grade Insulated, Iconic Research and Engineering Journal, ISSN:2456-8880, Volume-1, Issue-6, December – 2017. 5. Dr. N.Janardhan, Experimental Investigations on DI Diesel Engine With High Grade Insulated Combustion Chamber With Varied Injection Pressure. Iconic Research and Engineering Journal, ISSN:2456-8880, Volume-1, Issue-6, December – 2017. 6. Dr. N.Janardhan, Studies On Influence Of Injection Pressure On Exhaust Emissions Of Diesel Engine With Medium Grade Insulated Combustion Chamber With Crude Jatropa Oil Operation, International Journal of Engineering Research and General Science, ISSN 2091-2730, Volume-1, Issue-6, December – 2017. 7. Dr.N Janardhan, Effect Of Injection Timing On Exhaust Emissions And Combustion Characteristics Of Direct Injection Diesel Engine With Air Gap Insulation, International Journal of Engineering Research and General Science, ISSN 2091-2730, Volume-1, Issue-6, December – 2017. 8. Dr.N Janardhan, M.RaviChandra, Maddali.V.S.Muralikrishna, Experimental investigations on DI diesel engine with high grade insulated combustion chamber with varied injection timing, International Journal of Current Engineering and Technology, ISSN 2347 – 5161, Vol.7, No.4 , Aug 2017 9. Dr.N Janardhan,MaddaliV.S.Muralikrishna, Studies on exhaust emissions and combustion characteristics of DI diesel engine with air gap insulation with injection timing and injector opening pressure, International Journal of Current Engineering and Technology, ISSN:2347–5161, Vol.6, No.1 ,Feb 2016 10. M.V.S.MuraliKrishna, T.Ohm Prakash, P.Uhasri, N.Janardhan P.V.K.Murthy, Experimental Investigations on direct injection diesel engine with ceramic coated combustion chamber with carbureted alcohols and crude jatropa oil Renewable and Sustainable Energy Reviews (Elsevier), ISSN1364–0321, Volume 53, January 2016,Pages, 606-628 11. N.Janardhan, Maddali.V.S.Muralikrishna, Ushasri Pantangi, Studies on influence of injection pressure on performance parameters of diesel engine with medium grade low heat rejection combustion chamber. International Journal of Application or Innovation in Engineering and Management, ISSN:2319–487. Volume 4, Issue 5, May 2015. 12. N.Janardhan, Maddali.V.S.Muralikrishna,Kesava Reddy chirra, N.DurgaPrasad Rao, Effect of injection timing on performance parameters of DI diesel engine with air gap insulation, International Journal of Thermal Technologies, ISSN:2277–4114, Vol.5, No.1 (March 2015) 13. N. Janardhan, M.V.S. Murali Krishna, Ch. Kesava Reddy and D.Durga Prasad Influence of injector opening pressure on performance parameters of DI diesel engine with three levels of insulation with Diesel Operation, International Journal of Current Engineering Technology,ISSN:2347– 5161, Vol.5, No.1 Feb 2015. 14. N. Janardhan, Maddali.V.S.Muralikrishna, Keshava Reddy Chirra, N. Durga Prasad Rao, Effect of injection timing on exhaust emissions and combustion characteristics of direct injection diesel engine with ceramic coated cylinder head, International Journal of Current Engineering Technology,ISSN: 2347 – 5161, Vol.5, No.1 (Feb 2015). 	

15. N. Janardhan, Maddali.V.S.Pantangi, UshaSri Patangi, Experimental investigations of performance parameters of diesel engine with ceramic coated insulated chamber with jatropha oil with varied injection pressure, *International Journal of Thermal Technologies*, ISSN 2277 – 4114, Vol.5, No.2 (June 2015).
16. N. Janardhan, Maddali. V.S. Murali Krishna and P.Usha Sri Studies on influence of injection pressure on exhaust emissions of diesel engine with high grade insulated combustion chamber with crude jatropha oil operation, *International Journal of Current Engineering Technology*, ISSN:2347–5161, Vol.5, No.3 (June 2015).
17. N. Janardhan, Maddali.V.S.Muralikrishna, KeshavaReddy Chirra, N .Durga Prasad Rao, Effect of injection timing on performance parameters of DI diesel engine with ceramic coated cylinder head
18. N. Janardhan, Maddali.V.S.Muralikrishna, P.Usha Sri, Studies on influence of injection pressure on performance parameters of diesel engine with high grade insulated combustion chamber with crude jatropha oil operation, *International Journal of Current Engineering Technology*, Vol.5, No.4 (Aug 2015)
19. M. V. S. Murali Krishna^{1*}, N. Janardhan², CH. Kesava Reddy¹ Experimental investigations on DI diesel engine with different combustion chambers, ISSN: 2231–0843, Vol.5, No.4 (Aug 2015).
20. N. Janardhan, Maddali. V.S. Murali Krishna and Usha Sri Pantangi, Influence of injection timing on exhaust emissions and combustion characteristics of low heat rejection diesel engine with air gap insulation, *International Journal of Current Engineering Technology*, E-ISSN 2277 – 4106, P-ISSN 2347 – 5161, Vol.5, No.5 (Oct 2015).
21. N. Janardhan, Maddali. V.S.Murali Krishna, Keshava Reddy Chirra, N. Durga Prasad Rao, Effect of injection timing on exhaust emissions and combustion characteristics of direct injection diesel engine with high grade insulated combustion chamber. *International Journal of Application or Innovation in Engineering and Management*. (ISSN:2319–4847), Volume 3, Issue 12, December 2014..
22. N. Janardhan, M.V.S. Murali Krishna and P.Ushasri Influence of injector opening pressure on performance and exhaust emissions in DI diesel engine with air gap insulated piston and air gap insulated liner with diesel operation, *International Journal for Advance Research in Engineering and Technology*, (ISSN: 2320–6802), Vol. 2, Issue IV, April 2014..
23. P.V.K.Murthy, Maddali.V.S.Krishna, A.SitaramaRaju,, N. Janardhan, P.UshaSri, Performance evaluation of a low heat rejection diesel engine with jatropha oil based biodiesel, *Renewable Energy*(Elsevier), (ISSN: 0960-1481, Vol. 8, No. 1, January - June 2013.
24. N. Janardhan, Maddali.V.S.Muralikrishna, UshaSri Pantangi,, Venkata KrishnaMurthy, Comparative studies on performance, exhaust emissions and combustion characteristics of jatropha oil in crude form and in biodiesel form in a medium grade low heat rejection diesel engine, *International Journal of Innovative Technology and Exploring Engineering* (ISSN: 2278-3075), Volume-2, Issue-5, April 2013.
25. N. Janardhan, UshaSri Pantangi, Maddali.V.S.Krishna, Venkata Krishna Murthy, Exhaust emissions and combustion characteristics of jatropha oil in crude form and biodiesel of low heat rejection diesel engine. *International Journal of Soft Computing and Engineering*, (ISSN: 2231–2307), Volume-3, Issue-1, March 2013.
26. Control of exhaust emissions of jatropha oil in crude form and biodiesel from high grade low heat rejection diesel engine, *International Journal of Mechanical and Production Engineering Research and Development*, ISSN: 2249-6890, Vol. 3, Issue 2, Jun 2013, 199-212.
27. Performance, emissions and combustion characteristics with ceramic coated diesel engine with jatropha oil based biodiesel, *International Journal of Energy and Technology*(Italy), ISSN: 2035–911X, Vol.5 (21) (2013) 1-13.
28. N. Janardhan, Usha Sri Pantangi, Maddali. V.S.Muralikrishna, Venkata Krishna Murthy, Performance of evaluation of a low heat rejection diesel engine with jatropha oil, *International Journal of Engineering Research in Africa*, Vol. 11 (2014) pp 27-44.
29. Performance of a low heat rejection diesel engine with jatropha., *International Journal of Engineering Inventions*, (ISSN: 2278-7461), Volume 1, Issue 2 (September 2012) PP: 23-35.
30. N. Janardhan, M.V.S. Murali Krishna, P.Ushasri and P.V.K. Murthy, Potential of a medium grade low heat rejection diesel engine with crude jatropha oil, *International Journal of Automotive Engineering and Technologies*, (Turkey), ISSN 2146-9067, Vol. 1, Issue 2, pp. 16 – 31, 2012.
31. Maddali.V.S.Muralikrishna, N. Janardhan, Venkata Krishna Murthy, Usha Sri Pantangi, A comparative study of the performance of a low heat rejection diesel engine with three different levels of insulation with vegetable oil operation, (ISSN: 0004–0738), *Archive of Mechanical Engineering* (Poland), DOI: 10.2478/v10180-012-0006-1.
32. N. Janardhan, P.Ushasri, M.V.S. Murali Krishna, P.V.K.Murthy Performance of biodiesel in low heat rejection diesel engine with catalytic converter, *International Journal of Engineering and Advanced Technology*(Tokyo), ISSN: 2249–8958, Volume-2, Issue-2, December 2012.
33. Maddali.V.S.Muralikrishna, C.M.Varaprasad, N.Janardhan, Studies on Particulate Emissions in Low Heat Rejection Diesel Engine with Cyclonic Separator, *Ekologia*,