

Name of Faculty Dr. S. Narasimha Kumar  
 Designation Asst. Professor  
 Nature of Job/Appointment Regular  
 Date of Joining 30-01-2008  
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Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (Mechanical Engineering)	Awarded
PG	M. Tech. (Mechanical Engineering)	First
UG	B. E. (Mechanical Engineering)	First with Distinction

#### Work Experience

Teaching	22 Years (Includes research experience)
Research	16 Years
Industry	--
Others	--
Area of Specialization	Alternative fuels, Renewable Energy Technologies and Heat Transfer
Responsibilities held at Institution Level	Worked as Co-InCharge, Academics and Examinations
Responsibilities held at Department Level	ATD Lab In charge , Member Course Expert Group, PG NBA Criteria 6
Research Guidance	4 Research Scholars work is in progress
Awards Received	--
Courses Handled at Under Graduate / Post Graduate Level.	Applied Thermodynamics, Thermal Turbo Machines, Control Systems Theory, Energy conservation, Management and Audit, Refrigeration & Air-conditioning and Elements of Mechanical Engineering Thermodynamics & Combustion and Turbomachines
No. of Papers Published	National Journals – 03      International Journals – 48 National Conference – 03      International Conference – 02
Projects Carried Out	--
Patents	1. Control on Pollution Levels of Petrol Engine with Low Cost Catalytic Converter, a patent is published with File No. 2021410444968 2. Design and Development of Two Wheeler Mud Guard Using Glass and Jute Fiber. a patent is published with File No. 202141008703A 3. CNG/Natural gas kit for two wheelers, a patent is published with File No. 202011030786
Technology Transfer Invited Speaker	-- : Invited for guest lecture on Rotodynamic compressors at KG Reddy college Invited for guest lecture on Heat Exchangers at KG Reddy college .
No. of Books/Chapter Published with details	1. Hydrogen generation & storage technologies, Horizon Books (ISBN No: 978-93-91150-10-5), 2022. 2. Reduction of Pollutants in Two Stroke Petrol Engine, Advanced Aspects of Engineering Research (978-93-90888-74-0), 2021 3. "Experimental Investigation of two stroke copper coated S.I.engine with catalytic converter with gasohol (ISBN NO :978-93-87822-18-4),2018 4. Proceedings of National workshop programme on Alternate Liquids fuels in IC engines on Feb 17-18 <sup>th</sup> 2017, ISBN 978-93-85518-11-9"
Details of Short-Term Training Programs / Faculty Development Programs / Seminars / Workshops / Other Trainings (Attended and/or Organized).	1. Attended FDP on Finite Element Methods for beginners from 20/04/2020 to 24/04/2020 by CHITKARA University,Punjab. 2. One week FDP on "Research Challenges and OpportunitiesPostCOVID-19 RECOP2020)"Conducted by Research & Development Cell and Institution's Innovation Council of SriVasavi Engineering College (Autonomous) from 4/05/2020 to 9/05/2020.

3. One week National level online Faculty Development Programme on Innovation to Academics From 11-05-2020-16-5-2020 By Ramachandra College Of Engineering, Eluru
4. One week FDP on "Outcome Based Education : A Step Towards Excellence "conducted by Govt. Engineering College, Karad, Maharastra from 11th to 15th May 2020
5. One Week Online Faculty Development Program on "Innovation, Entrepreneurship and its Relevance in Industry 4.0 Practices in the Post Covid-19 Situation" conducted during May 25 – 29, 2020 & was organized by TERNA ENGINEERING COLLEGE, Navi Mumbai.
6. One week Faculty Development Programme on "Outcome based education and NBA accreditation process-UG" organized by CBIT from 28.05.2020 to 01.06.2020.
7. One Week Online FDP on "Funding Opportunities for Engineering Teachers & Technical Paper Writing" from 15<sup>th</sup> June to 19<sup>th</sup> June 2020." on 15<sup>th</sup> June-19<sup>th</sup> June 2020 Organized by, Rajarambapu Institute of Technology, Rajaramnagar.
8. One Week Online FDP on "INDUSTRY 4.0 - A VISION OF DESIGN AND MANUFACTURING" organized by Mechanical Engineering Department, Chaitanya Bharathi Institute of Technology, Hyderabad, during 16-06-2020 to 20-06-2020
9. One week online FDP on "Enhancing Research and Consultancy Skills" on June 22 - 26, 2020 organized by Department of Mechanical Engineering, Rajarambapu Institute of Technology, Rajaramnagar
10. Three day online FDP "Enabling Self-Reliant Economy Through Techno-Social Innovation In A Perspective of Post COVID- 19 Rural India from 25-27<sup>th</sup> June 2020 conducted under UBA Cell, RGIT, Mumbai.
11. Attended two week Faculty Development Programme(FDP) on Solar and Wind Energy – Future Technologies scheduled during 12<sup>th</sup> November 2018 to 24<sup>th</sup> November 2018 at JNTU Anathpuramu, A.P, India.
12. Organised A National workshop programme on Alternate Liquids fuels in IC engines on 17-18<sup>th</sup> 2017, ISBN 978-93-85518-11-9".
13. AICTE Sponsored One Week Online Short Term Training Programme (Sttp) On "Machine Learning" Applications In Mechanical Engineering" Department Of Mechanical Engineering And Electronics & Telecommunication Engineering Dr. J. J. Magdum College Of Engineering, Jaysingpur, Maharashtra From 14th To 18th February, 2022.
14. S.Narasimha kumar, V.V.R.Seshagiri rao Experimental Investigation On Performance Characteristics Of Four Stroke Ceramic Coated Diesel Engine Operating On Linseed Oil Biodiesel. Gradiva Review Journal Issn No : 0363-8057 Volume 8 Issue 5 2022 Page No: 875.
15. S.Narasimha kumar and K.Kishor "Effect of Fixed Injection Timing with Ceramic Coated Diesel Engine Using Linseed Oil Based Biodiesel on Exhaust Emissions". Dickensian Journal
16. Dr.P.Badarinarayana, Dr.Asheesh kumar, Dr.Shantanu kumar das and Dr.S.Narasimha Kumar published a book titled Hydrogen and storage technologies Horizons books publishers ISBN No: 978-9391150-12-9.

#### International/National Journals from the Year 2017

1. S.Narasimha Kumar(2018)"Performance and exhaust emissions analysis of Ceramic Coated Diesel Engine with Linseed Oil Biodiesel" International Journal Of Creative Research Thoughts(IJCRT) ISSN:2320-2882 volume.6 issue 1
2. S. Narasimha Kumar(2018)"Performance And Emissions Characteristics Of Two Stroke Copper Coated Spark Ignition Engine With Alcohol Blended Gasoline With Catalytic Converter" International Journal of Recent Innovation in Engineering and Research (IJRIER)/Vol. 03 Issue: 03 March ,2018
3. S.Narasimha Kumar(2018)Performance Parameters And Combustion Characteristics Of Ethanol–Gasoline Blends in modified Two Stroke Spark Ignition Engine International Journal Of Creative Research Thoughts(IJCRT) ISSN:2320-2882 volume.6 issue 1
4. S.NarasimhaKumar(2018)Experimental Investigation Of The Performance And Emission Characteristics Of Gasoline And Gasohol in Modified Two Stroke Spark Ignition Engine (JETIR) ISSN- 2349-5162 Vol.5, Issue 4, April 2018
5. S.Narasimha Kumar (2018) "Control of exhaust emissions from copper coated spark ignition engine with butanol blended gasoline with catalytic converter with different catalysts", Pollution Research, ISSN:: 0257-8050, December, 37(4),278-282. (Scopus indexed)
6. S.Narasimha Kumar (2019) "Experimental Investigation on SI Engine Emissions via EGR and Catalytic Converter with Air Injection Mechanism" Journal of Mechanical Engineering(JME) ,April Vol 16 (1), 33-46(Scopus indexed)

7. S.NarasimhaKumar(2019,)"Experimental Investigations On Performance Parameters Of Ceramic Coated Diesel Engine With Linseed Oil Biodiesel" JETIR (ISSN-2349-5162) June 2019, Volume 6, Issue6 (UGC approved journal)
8. S.Narasimha KumarExperimental Study of the Effects of Biodiesel on the Performance of a Ceramic Coated diesel engine1.2020 IJCRT | Volume 8, Issue 6 June 2020 | ISSN: 2320-2882.
9. S.Narasimha Kumar "Performance of Catalytically Activated Two Stroke SI Engine with Alternate Fuels with Catalytic Converter "International Journal of Scientific Research and Engineering Development— Volume 3,Issue 4,June 2020
10. S.Narasimha Kumar, V.V.R.Seshagiri Rao"Experimental study on Performance characteristics of catalytic coated Spark Ignition engine with alcohol fuels with catalytic converter" Pensee Journal Volume 51, Issue 6, , June-2021, ISSN:0031-4773
11. V.V.R.Seshagiri Rao, S.Narasimha Kumar" Emission Characteristics of Diesel Engine with Dual Fuel Operation" The International Journal of Analytical and Experimental Modal Analysis Volume XIII, Issue VI, June-2021 ISSN:0886-9367
12. B. Raja Narendra , S. Narasimha Kumar , B. Hadya , M.V.S. Murali Krishna(2021) "Emission Of Aldehydes From LHR Diesel Engine With Carbureted Butanol And Jatropa Oil ", International Journal of Mechanical Engineering and Technology (IJMET) Volume 12, Issue 7, July 2021, pp. 33-42.
- 13.S.Narasimha kumar, V.V.R.Seshagiri rao "Experimental Investigation On Performance Characteristics Of Four Stroke Ceramic Coated Diesel Engine Operating On Linseed Oil Biodiesel. Gradiva Review Journal Issn No : 0363-8057 Volume 8 Issue 5 2022 Page No: 875.
14. S.Narasimha kumar and K.Kishor "Effect of Fixed Injection Timing with Ceramic Coated Diesel Engine Using Linseed Oil Based Biodiesel on Exhaust Emissions". Dickensian Journal
15. Aparna Kaleru Sriram Venkatesh Narasimha Kumar "Theoretical and numerical study of a shell and tube heat exchanger using 22% cut segmental baffle"12 August 2022 Heat Transfer. 2022;1–17. wileyonlinelibrary.com/journal/htj © 2022 Wiley Periodicals LLC.DOI: 10.1002/htj.22667
16. Aparna Kaleru Sriram Venkatesh Narasimha Kumar "Numerical and experimental study of a shell and tube heat exchanger for different baffles" 07 November 2022 Heat Transfer. 2022;1–17. wileyonlinelibrary.com/journal/htj © 2022 Wiley Periodicals LLC <https://doi.org/10.1002/htj.22780>

#### International/National Conferences from the Year 2017

1. S.Narasimha Kumar(2018)"Experimental Measurements On Exhaust Emissions On Modified Two Stroke Spark Ignition Engine With Alcohol Blended Gasoline Using Catalytic Converter. National Conference on Advances in Mechanical Engineering and Nanotechnology (NCAMENT2018), 29-30 June, 2018, MED, University College of Engineering, Osmania University, Hyderabad, TS.

