




## K. S. INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura Road, Bangalore-560109.

<b>Faculty Name</b>	Dr. NAGAPRASAD K.S.	
<b>Designation</b>	Associate Professor	
<b>Educational Qualification</b>	B.E, M.Tech, PGDOM, Ph.D	
<b>Experience in Years</b>	Teaching:16 years Industry :-	
<b>Areas of Interest</b>	I.C.Engines, Fluid Mechanics, Thermodynamics, Turbomachines, Heat Transfer, Renewable Energy Sources, Cosmology	
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### Educational Details

Examination/ Degree	College / University	Year of Passing
UG	Malnad College of Engineering, Hassan	2000
PG	B.V. Bhoomaraddi College of Engineering & Technology, Hubli	2004
PGDOM	I.G.N.O.U, New Delhi	2006
PhD	Part time- VTU, Belgaum	2020

### Publications

#### Journal Publications:

1. "Water injection in an internal combustion engine - a review" at National conference on Recent trends in Mechanical Engineering science RTIMES-2007, 15<sup>th</sup> & 16<sup>th</sup> Nov 2007.
2. 'Effect of Injecting Hydrogen Peroxide In to Diesel Engine' has been accepted in International Journal of Engineering Sciences & Emerging Technologies (IJESET) and published on April 1<sup>st</sup>, 2012.
3. "Investigation On Diesel Engine Performance By Injecting Di-Ethyl Ether As An Additive With Exhaust Gas Recirculation Using Diesel Particulate Filter" published in International Journal of Innovative Research in Science, Engineering and Technology (An ISO 3297: 2007 Certified Organization), Vol. 3, Issue 8, August 2014. ISSN: 2319-8753
4. 'Emission Reduction in Diesel Engine by injecting Di-Ethyl Ether and adopting Diesel Particulate Filter and Diesel Oxidation Catalyst' has been published in IJSRD - International Journal for Scientific Research & Development, Vol. 5, Issue 02, 2017, ISSN (online): 2321-0613.
5. "Effects of Using Exhaust Gas Recirculation on the Performance, Combustion & Emissions of Diesel Engine with Manifold Injected Ethanol & Diesel-Ethanol Blend", has been published in Universal Journal of Petroleum Sciences 5 (2017), 20-36.

6. "EGR, DPF and DOC Techniques for Comprehensive Reduction of emissions for engine fuelled with Diesel/DEE blends by three approaches", in SAE FISITA 2018 World Automotive Congress, 2 – 5 October, 2018 to be held at Chennai, India.
7. "Performance, Combustion and Emissions of Diesel Engine with different combustion chambers, exhaust gas recirculation rates and aftertreatment devices", has been published in International Journal of Sustainable Engineering, Taylor and Francis Publications, 2018.
8. "Effects of Using Diesel Particulate Filter and Diesel Oxidation Catalyst with Exhaust Gas Recirculation on the Performance of Compression Ignition Engine Fuelled with Diesel- Di Ethyl Ether Blend", European Journal of Sustainable Development Research, 2018.
9. "Pre- and post-combustion emission reduction techniques for engine fuelled with diesel/DEE blends by three approaches", published in Energy Sources, Part A: Recovery, Utilization, and Environmental Effects. ISSN: 1556-7036.
10. "Emission Reduction of Diesel Engine by using DPF, DOC And Injecting Hydrazine Hydrate in Exhaust Pipe" is accepted in International Journal of Mechanical Engineering and Research (IJMER), June 2020

#### **Conference Papers :**

1. Presented a Technical Paper titled "Effect of injection timing and injection pressure on the performance of C.I.Engine using Honge oil" in National Conference on Advances in Mechanical Engineering Sciences, NACAMES-04 at SSIT, Tumkur
2. Presented a seminar on "Experimental Investigation on the Performance and Emission Characteristics of a C.I.Engine using Producer gas-Honge oil Dual fuel Mode" in Second National Conference on Trends in Mechanical Engineering, TIME-2004 at KIT, Warangal.
3. "Performance evaluation of four-stroke C.I. engine using honge oil" was accepted in NCBIC 2006 at National Institute of Technology Karnataka, Surathkal.
4. "Non Destructive Evaluation Techniques- A Review" was accepted in National Conference on Advanced Composite Components in Aerospace and Automobile applications on 9-10 Feb 2007 at BIET, Davangere.
5. "A new role of technical education to promote basic education for all" was accepted in 36<sup>th</sup> Annual convention & National Seminar On 14-16 Dec 2006 at Bannari Amman Institute of Technology, Sathyamangalam, TN.
6. "Water injection in an internal combustion engine - a review" at National conference on Recent trends in Mechanical Engineering science RTIMES-2007, 15<sup>th</sup> & 16<sup>th</sup> Nov 2007.
7. "Creating awareness about diversifying the energy sources by technical education", X ISTE state level Annual convention & National seminar, 23-24<sup>th</sup> Nov 2007, AIT, Bangalore"
8. "Social work: A New Programme in Technical Education", 37<sup>th</sup> Annual ISTE convention & National seminar on 17<sup>th</sup> to 19<sup>th</sup> Dec 2007, Manipal Institute of Technology, Manipal.
9. "Engaging parents in technical education", 38<sup>th</sup> ISTE National Annual convention & IFEEES International Conference at Kalinga Institute of Industrial Technology from 19<sup>th</sup> to 21<sup>st</sup> Dec 2008.

#### **Awards**

1. 'Young Scientist Award' by Government of Karnataka, Vision Group on Science and Technology (VGST) for research program under Seed Money to Young Scientist for Research (SMYSR) scheme of 6 Lakhs during FY 2013-14.

#### **Professional Membership**

1. Society of Automotive Engineers - SAE

2. Indian Society for Technical Education –ISTE

### **Contact Details**

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