




K.S.INSTITUTE OF TECHNOLOGY

An Autonomous Institution under VTU, Approved by AICTE Accredited by NBA (CSE&ECE),
NAAC with A+ & QSI-GAUGE (GOLD)

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

Faculty Name	Dr. NAGAPRASAD K S	
Designation	Associate Professor	
Educational Qualification	B.E, M. Tech , PGDOM, Ph. D	
Experience in Years	Teaching: 21 Years Industry:-	
Areas of Interest	I.C.Engines, Fluid Mechanics, Thermodynamics, Turbomachines, Heat Transfer, Renewable Energy Sources, Cosmology, Cryogenic Hydrogen Technology, Battery management System, EHVT	
E-mail	nagaprasadks@ksit.edu.in	

Educational Details

Degree	College/ University	Year of Passing
Under Graduate	Malnad College of Engineering, Hassan	2000
Post Graduate	B.V. Bhoomaraddi College of Engineering & Technology, Hubli	2004
PGDOM	I.G.N.O.U, New Delhi	2006
Doctor of Philosophy	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, 15th & 16th Nov 2007.
2. 'Effect of Injecting Hydrogen Peroxide Into Diesel Engine' has been accepted in International Journal of Engineering Sciences & Emerging Technologies (IJESET) and published on April 1st, 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- DiEthyl Ether Blend", European Journal of Sustainable Development Research, 2018.
9. "Pre-and post-combustion emission reduction techniques forengine fuelled with diesel/DEE blends by three approaches", published in **Energy Sources, PartA: 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 inInternational Journal of Mechanical Engineering and Research (IJMER), June 2020.
11. "Transmutation of Conventional Fuel Based Two wheeler Vehicles into Electric Vehicles", Journal of Mines, Metals and Fuels, 72(11): 1179-1185; 2024. DOI: 10.18311/jmmf/2024/45180
12. "Experimental Analysis of Condensation of steam with Natural gas on different materials surfaces" communicated to Journal of Thermal Ananysis and Calorimetry, 2025
13. "A Solar- Driven CHCP system Towards Zero Energy Building", has been Published in Journal of Mines, Metals and Fuels, 73(10):0-0; 2025. DOI: 10.18311/jmmf/2025/50204

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 Characterstics 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 on9-10 Feb 2007 at BIET, Davangere.
5. "A new role of technical education to promote basic education for all" was accepted in 36th 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, 15th& 16th Nov 2007.
7. "Creating awareness about diversifying the energy sources by technical education", X ISTE state level Annual convention & National seminar, 23-24th Nov 2007, AIT, Bangalore"
8. "Social work: A New Programme in Technical Education", 37th Annual ISTE convention & National seminar on 17thto 19thDec 2007, Manipal Institute of Technology, Manipal.
9. "Engaging parents in technical education", 38th ISTE National Annual convention & IFEES InternationalConferenceatKalingaInstituteofIndustrialTechnologyfrom19thto21stDec 2008.
10. "Emission Reduction of Diesel Engine by using Tert-Butyl Chloride " in International Conference ICOATES2025 on 25-04-2025

Academic Programmes Implemented

1. International Conferences: Co-Convenor for the *International Conference on Recent Innovations in Engineering Science & Technology (ICRIET-2025)* held on May 9–10, 2025.
2. Seminar from Conceptia Konnect (MoU) on 'Job opportunities for mechanical engineering Students' in June – 6, 2024
3. Session by heartfulness institute for first year students.
4. AICTE points for final year and third year students by Sri Sri Ravishankar Ashram initiative as Yes+ program
5. **BOE member, Mechanical Board, VTU Belagavi** for academic year 2024-25.
6. Presented Technical Seminar on “Energy, Carbon footprints and Sustainability” as DSATM, 19th May 2025.

Grants Received:

1. '**Young Scientist Award**' by **Government of Karnataka**, Vision Group of Science and Technology (VGST) for research program under Seed Money to Young Scientist for Research (SMYSR) scheme of 6 Lakhs during FY 2013-14.
2. 'Valuable contributor' recognition from **SAEINDIA** during Silver Jubilee event on October 11th 2022 at Hilton Bengaluru Embassy Manyata Business Park.
3. Patent applied as Application #: 431370-001; CBR # and date: 217354 and 23-09-2024.
4. Proposal submitted for ATAL FDP on “Nanomaterials for Energy Sector: Future prospects”

QIP, Short term courses, FDP's & other Workshops Attended

1. International Conference ICOATES 2025(online) in June 14, 2025.
2. “FDP on Hydrogen hybrid technology for Cleaner Mobility Revolution” by Autodesk, 11-November 2023
3. Six days FDP on “Teaching, learning & OBE concepts” from 21st to 27th September 2023.
4. ‘Insights from leaders’ by Dr Sadananada Maiya @ KSSEM, 24th November 2023.
5. Five –Days Workshop on Outcome based Education” 3rd to 7th June 2024.
6. Work shop on AUTODYNAMICS by SAE India, 13th -15th Oct 2017.
7. 15-day training by M/s Ellite group, Dec-Jan 2018.
8. FDP on Outcome Based Education – NBA, 17th – 19th July 2019.
9. One Week Online FDP on "Recent Advance & Trends in Mechanical Engg., & Material Science", 27th – 31st July 2020.
10. **World Automotive Congress** at Chennai, 17th -18th OCT 2018 by SAE INDIA
11. Work shop on Advanced AUTODYNAMICS by SAE India, Nov 2018
12. Workshop on Combustion Fundamentals by **ARAI, Pune**
13. DecaTrait by Prof. Mukunda , Dec 2019
14. Represented ‘faculty advisor session’- Dronacharya category during SAE BAJA 2018 at NATRAX, Indore

Awards & Recognitions

- CERTIFICATE OF APPRECIATION FOR 100% RESULT – 2 Times
- Guided a team of 25 students to build an all-terrain vehicle and won 1st prize at national level competition SAE BAJA in cost effective category.

Professional Membership

1. Life Member of “The Indian Society for Technical Education”.
2. Member of “Society of Automotive Engineers”.

Contact Details

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