


Faculty Profile

Name of the Teaching Staff	Dr. NAGESH S B	
Department	Mechanical Engineering	
E-mail	Nagesh.sb@cittumkur.org	
Present Designation	Assistant Professor	
Google Scholar ID	XnORK4oAAAAJ	
ORCID	0000-0001-8392-7351	
VIDWAN ID	201561	
Education Qualifications	<ol style="list-style-type: none"> UG- B.E in Mechanical Engineering PG-M.Tech in Thermal power Engineering Ph.D- Specialization in IC Engine/ Biofuel 	
Work Experience in Years		
Teaching	12 years	
Research	-----	
Industry	-----	
Other	-----	
Total	12 years	
Area of Specialization	IC Engine/ Biofuel	
Publication Details	<ul style="list-style-type: none"> • Nagesh S. B, T. K. Chandrasekhar, N. R Banapurmath, “Effect of Injection Timing & Injector Opening Pressures on the Performance of Diesel Engine Fuelled with Ceiba Pentandra Oil Methyl Ester”, <i>Universal Journal of Renewable Energy</i> 5 (2017), 30-54 • Nagesh S. B, T. K. Chandrasekhar, N. R Banapurmath, ” Injection timing effect on the Performance of Diesel Engine Fueled with Acid oil methyl ester ; <i>IOP Conf. Series: Materials Science and Engineering</i> 376 (2018) 012002 • Nagesh S. B, T. K. Chandrasekhar, N. R Banapurmath ,” Experimental Investigations on Manifold Injection of Diesel and Biodiesel in a HCCI Engine with Inlet Charge Heating “ <i>European Journal of Sustainable Development Research, 2018, 2(4), 45 ISSN: 2542-4742</i> • Nagesh S. B, Sridhar S, “ Performance Test on 4-Stroke Single Cylinder Diesel Engine Using Diesel Blended With Corn Ethanol as a Fuel” <i>International Journal of Research in Advent Technology, Special Issue, August 2018 , E-ISSN: 2321-9637</i> • S.B. Nagesh. T K Chandrashekar, N R Banapurmath, “Effect of injector opening pressure on the performance of diesel engine fuelled with acid oil methyl ester.” <i>International journal of recent technology and engineering (IJERT) ISSN: 2277-3878 (online) Vol. 8, Issue-2, July 2019, Page No: 4065-4069.</i> • S.B. Nagesh.T K Chandrashekar, N R Banapurmath, “Experimental studies of diesel and biodiesel using HCCI Engine.” <i>International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) ISSN (P): 2249-6890; Vol.10, Special Issue, Jun 2020, 49-57 ISSN (E):2249-8001</i> N R Banapurmath • S.B. Nagesh, Mohan N, Dhanush M G, Kiran Babu “Design and Development Mobile Groundnut Decorticator “<i>National Conference on Technology for Rural Development (NCTFRD-18)</i> • S.B. Nagesh, N R Banapurmath, T K Chandrashekar, S V Khandal, <i>Biodiesels</i> 	

	<p><i>powered in-cylinder common rail direct injection (CRDi) Assisted Homogeneous Charge Compression Ignition (HCCI) engine. International Journal of Sustainable Engineering, Volume 14- Issue 21</i></p> <ul style="list-style-type: none"> • S.B. Nagesh, Somesha G H, Tilak S R, Sachin C, Naresh H, <i>Performance test on single cylinder diesel engine by lichens biofuel. Materials today proceedings, Volume-45, Part 1-21</i> • G S Jatadhara , T K Chandrashekhar , N R Banapurmath , S B Nagesh and N Keerthi kumar, <i>Experimental investigation of direct injection diesel engine using waste plastic oil as fuel, IOP Conference Series: Earth and Environmental Science</i> • G S Jatadhara , T K Chandrashekhar , N R Banapurmath , S B Nagesh and N Keerthi kumar, <i>Effect of Injection Timing in Direct Injection Diesel Engine using Plastic Oil Diesel Blends with Biodiesel as an Additive, Journal of Advanced Research in Fluid Mechanics and Thermal Science</i> • <i>Sushma s, T K Chandrashekar, , S B Nagesh and Naresh H.. A Performance Study on Heat Transfer using Different Heat Sink by Experimentation and Optimization Method. Journal of Mines, Metals and Fuels. 70(8), pp. 41-48</i> • Sushma s, T K Chandrashekar, N R Banapurmath, S B Nagesh and R Venkatesh, <i>Enhancement of Heat Transfer Characteristics of Plain Fin Coated with Graphene Nanoparticle. Journal of Mines, Metals and Fuels.</i> • G S Jatadhara , T K Chandrashekhar , N R Banapurmath , S B Nagesh and N Keerthi kumar, <i>Effect of diesel engine modification operated with karanja biodiesel and its blends, Materials today proceedings, Volume 80,part 2, 2023</i>
Professional Memberships	<ol style="list-style-type: none"> 1. Member of Indian Society for Technical Education- LM1333300 2. Member of Institution of Engineers, M-168946-5
No. of Books published with details	<p>Title :Basic Thermodynamics Authors: Dr. Mukesh Y B, Dr. T K Chandrashekar, Dr. Nagesh S B, Mr. Jatadhara. G.S ISBN : 978-93-5757-339-9 Publisher: Scientific International Publishing House Edition : First 2023</p>
Patents	<ul style="list-style-type: none"> • Title: Design and development of mobile groundnut decorticator using regenerative power sources filed with Application No. 201841014579 in Intellectual Property India, Patent Office, Intellectual Property Building, G.S.T Road, Guindy, Chennai 600032 on 17/04/2018. • Title: Design and development of remote controlled strumming of areca nuts using ergonomically stable unmanned aerial vehicle filed with Application No. 201941021076 in Intellectual Property India, Patent Office, Intellectual Property Building, G.S.T Road, Guindy, Chennai600032 on 28/05/2019. • Title: Production of biofuel from lichens filed with Application No. 202041005858 in Intellectual Property India, Patent Office, Intellectual Property Building, G.S.T Road, Guindy, Chennai600032 on 11/02/2020.
Academic & Administrative Responsibilities	<ul style="list-style-type: none"> • Department Programme Co-ordinator • Proctor • Project Co-ordinator • Sports Co-ordinator • Cultural Co-ordinator
FDPs & Workshops Attended	<ul style="list-style-type: none"> • Attended Two days Workshop on “Teaching methodology in Turbo machine” held on 26/09/2013 & 27/09/2013 at Sambhram Institute of Technology, Bangalore. • Attended One day Workshop on “Academic Writing” held on 12/07/2016 at C.I.T Gubbi, Tumakuru.

	<ul style="list-style-type: none"> • Attended Five days Workshop on Faculty Development Program on „Recent trends in mechanical design and manufacturing” held from 20/07/16 to 24/07/2016 at C.I.T Gubbi, Tumakuru • Attended Five days Workshop on Faculty Development Program on „Recent trends in CAD/CAM/CAE Technology in design for manufacturing” held from 23/01/17 to 28/01/2017 at C.I.T Gubbi, Tumakuru • Attended Five days Workshop on Faculty Development Program on „Application of thermodynamics” held from 13/07/20 to 17/07/2020 at PESITM, Shivamogga • Attended Five days Workshop on Faculty Development Program on „Technological trends in Industry” held from 29/06/20 to 03/07/2020 at Vemana Institute of Technology, Bengaluru
Conferences Attended	<ul style="list-style-type: none"> • International conference on Recent advances in material sciences, Energy technologies and Environmental Engineering for Climate Change Mitigation, New Delhi Paper presented – “<i>Fatigue damage modeling for prediction of life- A Review</i>” • International conference on Advances in Manufacturing, Materials and Energy Engineering, MITE Moodbidri Paper presented -- “<i>Injection timing effect on the Performance of Diesel Engine Fueled with Acid Oil Methyl Ester</i>” • International conference on Topical transcends in Science, technology and Management, SVIT, Bengaluru. <i>Paper presented ----“Performance test on 4 stroke single cylinder diesel engine using diesel blended with corn ethanol as a fuel”.</i> • 2nd International conference on Topical transcends in Science, technology and Management, SVIT, Bengaluru. <i>Paper presented ----“Extraction of Biodiesel from Neem Oil”</i> • 2nd International conference on Topical transcends in Science, technology and Management, SVIT, Bengaluru. <i>Paper presented ----“Over view of Lichens and Extraction of Biodiesel”</i> • 4th International Conference on Advanced Research in Mechanical , Materials and Manufacturing Engineering, REVA University, Bengaluru Paper presented ---- “<i>Performance test on single cylinder diesel engine by lichens fuel</i>”
Book Chapters published	<ul style="list-style-type: none"> • Biomass: A Sustainable Foundation for Bioenergy and Bioremediation-it’s Confronts and Scenarios in the COVID-19 era: A Review “Futuristic Projects in Energy and Automation Sectors, 2022, 1-14”
Awards	<ul style="list-style-type: none"> • Mewadev Laurel Award-2020 Recognition in the field of Literature.
Student Funded Projects Guided	Sponsoring Agency -KSCST
	Funds Received :9000
	Title of the Project : Performance test of 4 stroke single cylinder diesel engine using diesel blended with corn ethanol as a fuel
	Sanctioned Year :2016-17
	Funds Received :6500
	Title of the Project : Mobile groundnut decorticator using multiple power source
	Sanctioned Year :2017-18
	Funds Received :6000
	Title of the Project : Design And Development of Edible Oil Expeller
	Sanctioned Year :2020-21

