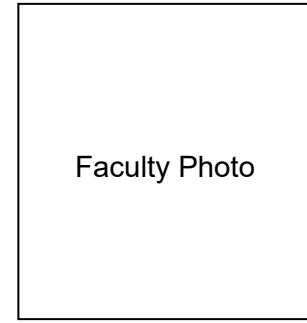


Faculty Profile

Brief Profile

Dr. Anjaneya G is a distinguished academic and researcher in the Department of Mechanical Engineering at R V College of Engineering, Bengaluru. With over two decades of teaching experience and a strong foundation in research and development, he has made significant contributions to the fields of heat transfer, internal combustion engines, and alternative fuels. His academic journey is marked by a deep commitment to advancing engineering education and fostering innovation in thermal sciences.



At RVCE, Dr. Anjaneya plays a pivotal role in mentoring undergraduate and postgraduate students, having guided numerous projects that explore the practical applications of biofuels and combustion technologies. His research has been widely published in reputed national and international journals, with a focus on performance optimization of diesel engines using biodiesel blends, low heat rejection engine technologies, and computational fluid dynamics (CFD) simulations. His work reflects a strong emphasis on sustainability and energy efficiency, aligning with global efforts to reduce emissions and promote green energy solutions.

Beyond his academic and research endeavors, Dr. Anjaneya is actively involved in institutional development. He contributes to placement coordination, skill development initiatives, and industry-academic collaborations, ensuring that students are well-prepared for real-world challenges. His dedication to both technical excellence and student success underscores his role as a respected educator and leader within the RVCE community.

Personal Information

- **Name:** Dr Anjaneya G
- **Designation:** Assistant Professor (Selection Grade)
- **Department:** Mechanical Engineering
- **Email:** anjaneyag@rvce.edu.in
- **Phone:** 080-68188100

Google Scholar / ResearchGate / LinkedIn/ ORCID:

1. <https://scholar.google.com/citations?user=wM53o0gAAAAJ&hl=en>
2. <https://www.researchgate.net/profile/Gorkal-Anjaneya>
3. <https://www.linkedin.com/in/dr-anjaneya-gorkal-057a04104/>
4. <https://orcid.org/0000-0001-5512-1334>

Domain of Expertise

Thermal Science and Engineering

Research Focus

- **Primary Area:** Biofuels, IC Engines, Heat Transfer, Fluid Mechanics
- **Allied Areas:**
 - Heat Exchangers
 - Nano-fluids

Academic Qualifications

- **Ph.D.:** Mechanical Engineering Sciences, VTU, 2018
- **M.Sc./M.Tech:** Thermal Science, BU, 2008
- **B.E./B.Tech:** Mechanical Engineering, GU, 1999
- **Postdoctoral Research:** NA

Professional Experience

Experience			
S.No	Institute/College/Industry	Job Title	Duration (From- To)
1.	R. V. College of Engineering, Mysore Road, Bengaluru- 560059	Assistant Professor – Selection Guide	09.10.2013 To Till Date
2.	Gitam School of Technology, Gitam University, NH 207, Doddaballapur Taluk, Nagadenahalli, Karnataka - 561203	Assistant Professor	14-06-2013 To 08-10-2013
3.	Sri Venkateshwara College of Engineering, Vidyanagar, NH-7, Bengaluru-562157	Assistant Professor	18-07-2011 To 12-06-2013
		Sr. Lecturer	01-09-2010 To 17-07-2011
		Lecturer	17-10-2005 To 31-08-2010

4.	Sandur Polytechnic, Yeshwant Nagar, Sandur:-Tq Bellary:Dt.	Lecturer	05-12-2000 To 03-10-2005
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Publications & Patents

Journal Publications

1. Anjaneya G, et al. Study of impact of nano fluids on performance of micro-channel heat exchangers using CFD, International Journal of Thermo-fluids 24 (2024) 100836 [10.1016/j.ijft.2024.100836](https://doi.org/10.1016/j.ijft.2024.100836)
2. G Anjaneya, et al. Performance analysis and optimization of thermal barrier coated piston diesel engine fuelled with biodiesel using RSM, Case Studies in Thermal Engineering 57 (2024) 104351 <https://doi.org/10.1016/j.csite.2024.104351>
3. 10. G Anjaneya et al., 2023. Numerical simulation of microchannel heat exchanger using CFD International Journal on Interactive Design and Manufacturing (IJIDeM) <https://doi.org/10.1007/s12008-023-01376-8>
4. Dhruva Patil, Dhruv Bhandari, Anjaneya Gorkal, J. R. Nataraj. "Computational Analysis and Design Improvement of an Industrial Centrifugal Pump with Experimental Validation", Journal of the Institution of Engineers (India) - Series C. Vol 101, No. 3, Feb 2020, pp. 493-506, DOI:[10.1007/s40032-020-00567-6](https://doi.org/10.1007/s40032-020-00567-6)
5. Anjaneya G, M R Srinivas, R Chandra Kumar. "Response Surface Method to Optimize Injection Timing, Percentage Blend and Power Output of a Semi Adiabatic Engine Running on Biodiesel Blends". International Journal of Mechanical and Production Engineering Research and Development. Vol. 8, No.4 (Aug 2018), pp. 1017-1023. DOI:[10.24247/IJMPERDAUG2018109](https://doi.org/10.24247/IJMPERDAUG2018109)
6. I. Nigam, G. Anjaneya, C. Manjunath and M.R. Srinivas. 2021. Enhancement of Heat Transfer in a Concentric Tube Counter Flow Heat Exchanger using CuO Nanofluid, Int. J. Vehicle Structures & Systems, 13(6) DOI:[10.4273/ijvss.14.1.07](https://doi.org/10.4273/ijvss.14.1.07)
7. Ravindranath C, Praveen R Talwar, Anjaneya G. "Performance Studies of LHR engine using 20% Biodiesel Blend by Varying Engine Parameters". International Journal of Scientific & Engineering Research, Vol. 9, No. 7, (July 2018), pp. 47-52
8. Anjaneya G., Prabhakar Reddy C., Udaya Ravi M., "Performance Optimization of Air-Cooled Diesel Engine with Simarouba Biodiesel Blends as Substitute Fuel Using Response Surface Method", International Journal of Oil, Gas and Coal Engineering, Vol. 4, No. 6, Jan. 2017, pp. 81-87 doi: 10.11648/j.ogce.20160406.15
doi: 10.11648/j.ogce.20160406.15

9. Anjaneya G, Prabhakar Reddy C, Udaya Ravi M., "*Experimental Investigations on Low Heat Rejection Air Cooled Single Cylinder Diesel Engine using Simarouba Biodiesel and Its Blends as alternate to Diesel Fuel*". Journal of the Institution of Engineers (India) - Series C. Vol. 99, No. 5, October 2017, pp. 516-524, DOI:[10.1007/s40032-017-0391-9](https://doi.org/10.1007/s40032-017-0391-9)
10. Anjaneya G, Prabhakar Reddy C, Udaya Ravi M. "*Performance Studies and Injection Timing Optimization for LHR single Cylinder Diesel Engine Fuelled with Biodiesel Blends*". International Journal of Applied Engineering Research. Vol.13, No.1 (March 2018) pp. 131-135
11. Anjaneya G., Prabhakar Reddy C., Udaya Ravi M., "*Effect of Injection Timing in LHR Diesel Engine using Simarouba Biodiesel Blends as Fuel*", International Journal of Research in Engineering and Technology Vol. 05, Special issue No. 13, (ICRAES, MSRT), Sept. 2016, pp. 49-55
12. Anjaneya G., Prabhakar Reddy C., Udaya Ravi M., "*Experimental Investigations on Air-Cooled Diesel Engine with Biodiesels as Alternate Fuels*", Journal of Mechanical and Automobile Engineering, Vol.1, No. 1, March 2016, pp.1-8
13. Anjaneya G., Prabhakar Reddy C., Udaya Ravi M., "*Experimental Investigations on Air Cooled Diesel Engine Using Rubber Seed Biodiesel and Its Blends as A Substitute Fuel for Petro-Diesel*", International Journal of Research in Engineering and Technology, Vol.5, No. 1, Jan.2016, pp 286-291
14. Anjaneya G., Prabhakar Reddy C., Udaya Ravi M., "*Performance and Emission Studies of a Diesel Engine Using Rice Bran biodiesel as Fuel*", International Journal of Engineering Research & Informatics, Vol. 1, No.7, August 2014, pp. 64-68

Conference Papers

1. Anjaneya G, Automated flow of parts through 3D Printed Walking Beam Mechanism and Colour sorting Robot for Industrial Applications "2nd IEEE International Interdisciplinary Humanitarian Conference for Sustainability (IIHC-2023)", 3rd & 4th Nov, 2023, Sri Venkateshwara College of Engineering, Bengaluru, in association with IEEE Student Branch SVCE, IEEE Bangalore Section.
2. Anjaneya G., Prabhakar Reddy C., Udaya Ravi M., "*Performance Optimisation of biodiesel fuelled LHR Diesel Engine using Response Surface Method*", National Conference (NCGEESD'18), School of Engineering, Presidency University, Bengaluru, 9 – 10 March 2018
3. Anjaneya G., Prabhakar Reddy C., Udaya Ravi M., "*Performance studies and injection timing optimization for LHR single cylinder diesel engine fuelled with biodiesel blends*", National Conference (NCGEESD'18), School of Engineering, Presidency University, Bengaluru, 9 – 10 March 2018.

4. Anjaneya G., Prabhakar Reddy C., *"Coupled field Analysis of Ceramic Coated Piston"*, National Conference on ITME, Department of Mechanical Engineering, SVCE, Bengaluru 21-22 April 2016.
5. Anjaneya G., Prabhakar Reddy C., *"The Effect of Air Gap Piston on the Performance of Diesel Engine Using Waste Cooking Oil Biodiesel"*, National Conference on ITME, Department of Mechanical Engineering, SVCE, Bengaluru, 21-22 April 2016.
6. Anjaneya G., Prabhakar Reddy C., Udaya Ravi M., Anurag M. *"Thermal Study of a Ceramic Coated piston"*, National Conference on Advances in Mechanical Engineering and Applied Sciences, DSCE, Bengaluru, 19-20 Feb. 2016.
7. Anjaneya G., Prabhakar Reddy C., Udaya Ravi M., *"A Study on the Performance and Emission Characteristics of A Multi Cylinder Naturally Aspirated Direct Injection Diesel Engine Using Pongamia Biodiesel-Diesel Blends & Pure Pongamia Bio-Diesel (100%) as Alternate Fuel"*, National Seminar, Department of Mechanical Engineering, SVCE, Bengaluru, 28-29 March 2014.
8. Anjaneya G., Prabhakar Reddy C., Udaya Ravi M., *"Performance of a Diesel Engine (Semi Adiabatic) with Honge and its Methyl Ester as a Substitute Fuel"* - National Conference on RAMEIII, PDA College of Engineering, Gulbarga, 20-22 September 2012.
9. Anjaneya G., Prabhakar Reddy C., Udaya Ravi M., *"Effects of Thermal Barrier Coatings on Performance of Four stroke Diesel Engine with Rubber seed oil as Substitute Fuel"* - National Conference on Advanced Forming Technologies, Department of Mechanical engineering, R.V College of Engineering, Bengaluru, 15 – 16 April 2010.
10. Anjaneya G, Enhancement of Heat Transfer in Concentric flow Counter Flow Heat Exchanger,using CuO nanofluid, 2nd international conference, ICARME-21, IQAC-MVJ College of Engg Bengaluru 29-30th April 2021
11. Anjaneya G., Prabhakar Reddy C., Udaya Ravi M., *"Effect of Injection Timing in LHR Diesel Engine using Simarouba Biodiesel Blends as Fuel"*, International conference on Recent Advances in Engineering Sciences (ICRAES-2016), MSRIT, Bengaluru, 8 – 9^{September} 2016.
12. Anjaneya G. Prabhakar Reddy C., Udaya Ravi M., *"Effects Of Blends Of Vegetable Oils On Brake Thermal Efficiency And Fuel Consumption Of Semi-Adiabatic Four Stroke Diesel Engine"* – International Conference on MEMS, Anjuman Engineering College, Bhatkal, 22 – 23 October 2008

Books/Book Chapters

Nil

Patents [Filed / Published / Granted]

Nil

R & Grants & Consultancy Projects

Ongoing & Completed Research Projects

Nil

Ongoing & Completed Consultancy Projects

Nil

Professional Memberships

- ISTE Member – LM 33204
- SAE INDIA – 7230110264

Awards & Recognitions

Nil

Student Supervision

- **Ph.D. Candidates:** 01 (Registered under VTU, 2023)
- **M.Tech/M.Sc. Students:** 10
- **Undergraduate Research Mentees:** 80

Professional Roles

- **Editorial Board:** Nil
- **Chair/Committee Member:** Nil
- **Industry Advisor:** Nil

Teaching

Core Courses:

- ME365TDD - Fundamentals of Combustion
- ME244AI - Fluid Mechanics

Advanced/Lab Courses:

- RV-Toyota Centre of Excellence in Automotive Engineering

Professional Roles

Responsibilities

- **Academic:** Placement Coordinator, UG III-year skill lab coordinator, Innovative SEE FM Lab coordinator
- **Administrative:** Lab In-charge – RV-Toyota Centre of Excellence, Heat Transfer, Fluid Mechanics Lab

External Connect

Nil