



Dr. Viswanath K. Kaimal

Professor & Head, Department of Mechanical Engineering

Administrative Responsibilities

- Head of the Department
- KTU Co-coordinator
- AICTE & KTU Affiliation and Inspection
- Disciplinary Action Committee
- In-charge for conducting various University examinations, KEAM, KPSC (State Govt.) examinations
- Student section In-charge for ASME

Education Summary

- Ph. D in Mechanical Engineering (Alternative Energy) (2017)
- M.Tech in Thermal Engineering (2013)
- B.Tech in Mechanical Engineering (2011)

Employment History

- September 2025 to till date, as Professor & Head in Department of Mechanical Engineering in Christ College of Engineering.
- August 2020 to August 2025, as Associate Professor in Department of Mechanical Engineering in Christ College of Engineering.

Journal/Papers Published

- Viswanath K. Kaimal, P. Vijayabalan, A study on synthesis of Energy Fuel from Waste Plastic and assessment of its potential as an alternative fuel for diesel

- Viswanath K. Kaimal, P. Vijayabalan. Effects of using Pongamia, Neem and Rice bran Methyl Esters in a CI Engine. International Conference on Computer Science and Mechanical Engineering 2014
- Viswanath K. Kaimal, M. Sivaraman, P. Vijayabalan. Performance and Combustion of a DI diesel engine using Waste Plastic Oil. International Conference on Applied Engineering Science and Technology (2015)
- Viswanath K. Kaimal, P. Vijayabalan, A detailed investigation of the combustion characteristics of a DI diesel engine fuelled with plastic oil and rice bran methyl ester. Journal of the Energy Institute (2015) 1-7. Elsevier Publications.
- Viswanath K. Kaimal, P. Vijayabalan, A detailed study of combustion characteristics of a DI diesel engine using waste plastic oil and its blends. Energy Conversion and Management 105 (2015) 951-956. Elsevier Publications.
- Viswanath K. Kaimal, P. Vijayabalan, An analysis on combustion and emission characteristics of CI engine using blends of cotton seed biodiesel. International Journal of Renewable Energy and Research, 5(2) (2015).

Specialized Trainings

- AICTE QIP PG Program in AI & Data Science
- Python Programming – 3 Day industrial training at ICT Academy, Infopark, Koratty, Kerala
- Training in Cochin Shipyard in Rivets and Welding, Kerala

Areas of Interest

- Thermal and Fluid Systems
- Machine Learning
- IC engines and Nano-fuels.

Achievements

- Published a utility patent on "Novel Sieving mechanism for Automatic Nutmeg Decorticator" August 2025
- Published a utility patent on "Dry leaves to organic manure pelletiser unit" October 2025
- Received funding from CERD KTU for project in 2025
- AICTE QIP PG program in AI and Data Science in 2024.
- Organised sponsored AICTE ATAL FDP on "Scope and Challenges in Robotics – Bridging Academia and Industry" as co-ordinator in December 2024.
- Received funding from Kerala State Council for Science, Technology and Environment (KSCSTE), 2020.
- Recognised and certified reviewer in many peer reviewed reputed journals and publishers like Elsevier Publications, Wiley Online Library, Springer etc.
- Kerala Technological University Ph. D. Guideship.
- Qualified GATE 2011