



Dr. VIKRAM ATHREYA V

Assistant Professor

CONTACT

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Professional Experiences:

Teaching: 09

Research: 07

Courses Taught:

- Computer Aided Engineering Drawing
- Mechanical Engineering Science
- Introduction to Engineering Design
- Basic Thermodynamics
- Applied Thermodynamics
- Fluid Mechanics
- Microgrid with Renewable Energy Integration
- Renewable Energy Technology
- Technology In Hybrid And Fuel Cell Vehicles

ABOUT ME

I am interested in Thermal Engineering and have been carrying-out my research in the same field. To be more specific, I work on RCCI Engines along with my undergraduate and postgraduate students.

Other than my research, I am also interested in working on Renewable Engineering Technology and have worked in some of the projects at NIE-CREST. I teach thermal engineering courses for UG & PG students.

As part of NECAT team, I handle some of the sessions during BCAT, ACAT and modular courses.

Being faculty adviser for the Team SAENIEks (BAJA), my role is to motivate the students for the continuous improvement in their work

EDUCATION

- Ph.D. – Mechanical Engineering
NIE, Mysuru
Year of Graduation: 2023
- M.Tech. – Thermal Power Engineering
SIT, Mysuru
Year of Graduation: 2014
- B.E., - Mechanical Engineering
VTU, Belgaum
Year of Graduation: 2012
- Diploma - Mechanical Engineering
KTB, Bangalore
Year of Graduation: 2009

PUBLICATIONS

1. Vikram Athreya, V., Rajan, N. K. S., Manjunatha, A., & Purushothama, H. R., "An experimental study on kerosene based pulse detonation engine". (2014) *International journal of mechanical engineering and technology (IJMET)*, 5(9), 31-35.
2. Abhishek Dhotre, Vikram Athreya V, "Design and Development of Robotic Vision Inspection Cell for Fuel Injection Pump", *National Conference on Emerging Trends in Mechanical Engineering for UG/PG students and Research Scholars (NCETMEC 2019)*.
3. Vikas, M. S. and Athreya, V. V. (2020) "Implementing SCADA System by Using Rexroth WinStudio for Automated Industrial Process", *International Journal of Research in Engineering, Science and Management*, 3(8), pp. 287–289.
4. Vikram Athreya, V., R. Rahul, A. C. Sudhanwa, and Shridhar TN. "Experimental study on Injection parameters of RCCI Engine using Diesel with additives and Gasoline." *Gradiva review journal* 8, no. 10 (2022): 367-76.
5. Nischal R O, Diveeth M P, Vikram Athreya V, K R Prakash, "Design, Development and Simulation of a Quadraped Robot for Engineering Application", *International Journal of Industrial Electronics and Electrical Engineering (IJIEEE)*, (2022), Vol. 10, (2).
6. T H Harish, Vikram Athreya V, "Design And Development Of Neo-Pixel Based Smart Wireless Fitness Training System", *International Journal of Industrial Electronics and Electrical Engineering (IJIEEE)*, (2022), Vol. 10, (2).
7. Ajit Bagali, Vikram Athreya V, Keshava P, Vinod Arva, Prakash K R, "Design and Development of Inspection Conveyor System", *International Conference on Mechanical, Manufacturing, Industrial and Civil Engineering (ICMMICE)*, (2022).
8. Vikram Athreya V, T N Shridhar, J M Mallikarjuna, "Experimental Study on Combustion, Performance and Emission of The RCCI Engine Using Diesel/Gasoline-Ethanol Blend", *Neuroquantology*, (2022), Volume 20 (17), Pp. 950-957, Doi: 10.14704/Nq.2022.20.17.Nq880122
9. Vikram Athreya V, T N Shridhar, J M Mallikarjuna, "Statistical And Experimental Investigation of Engine Parameters for Performance and Emission in RCCI Mode Using Diesel Gasoline", *Journal of Pharmaceutical Negative Results*, 2022, 3779-88. <https://doi.org/10.47750/pnr.2022.13.S08.471>.
10. Vikram Athreya Akshatha J, "Modelling of AGRO–BOT", *International Journal of Innovative Science and Research Technology*, (2023), Vol. 8, (4), 131-133.

OTHER INFORMATION:

(Patents Filed/ Membership/Administration/Consultancy/Evaluator/Research Guidance and funding/Awards/Key Roles/Invited Talks Delivered, etc)

- Coordinator for NIE-Eichter center for Automobile Technology
- Faculty coordinator for team SAENIEks and member of Society of Automotive Engineers (SAE)
- NITT certified ICT trainer
- Volvo-Eicher commercial vehicle certified trainer
- Delivered a Talk on "Career Guidance - Opportunities in the field of Automobile Engineering" at All India Radio (AIR) and it was broadcasted on 02.08.2022.