

RESUME

Dr.V.GOPINATH

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Objective

To lead a disciplined life with ethics, achieve excellence with professionalism, to train and produce engineers with all fundamentals and values to lead a better life, to serve the society with a sense of human values through Science and Technology.

Educational Qualification

Degree / Qualification	Name of the Institute / School	Marks Scored	Year of Passing	Full / Part Time
Ph.D (Alternative Fuels)	Karpagam Academy of Higher Education, Coimbatore	-	2013 - 2018	Part Time
ME (Thermal Engineering)	Government College of Technology, Coimbatore	75% (First class)	2006-2008	Full Time
BE (Mechanical Engineering)	Maharaja Engineering College, Coimbatore / Anna University, Chennai	80% (First class with distinction)	2002 -2006	Full Time
HSCC	Kurinji Higher Secondary School, Namakkal	82.3%	2001-2002	Part Time

Working Experience (12 Years and 4 Months)

Institution / Industry	Designation	Period	Duration
Kongunadu College of Engineering and Technology – Trichy, India	Associate Professor	01.03.2020 to till now	8 months
Kongunadu College of Engineering and Technology – Trichy, India	Assistant Professor	05.03.2012 to 01.03.2020	8 Years
Fichtner Consulting Engineers Private Limited – Bangalore, India	Senior Design Engineer	04.07.2008 to 29.02.2012	3 Years & 8 months

Academic Achievements

- Awarded for producing 100% results in the subjects of Engineering Mechanics, Power Plant Engineering and Advanced IC engines.
- Awarded for producing above 95% results in the subjects of Engineering Thermodynamics, Heat and Mass Transfer, Thermal Engineering, Gas dynamics and Jet Propulsion.

Research Interest

- Alternative Fuels and Renewable Energy
- IC engine
- Heat Transfer

Research / Project Work

Program	Title
Ph.D	“Analysis and optimization of compression ignition engine running on corn oil methyl ester with preheated inlet air”
M.E	Phase – II “Performance and Emission evaluation of a diesel engine run on biodiesel blends with and without EGR- (corn oil)”
	Phase – I “Investigation on effect of solidification parameters on the feeding efficiency of LM6 aluminium alloy casting”
B.E	“Design of Fume Exhaust System in Billet Cutting Process” done at Southern Iron and Steel Company Ltd. Mettur Dam.

Journal Publications

- **V.Gopinath** 2020, “Evaluation of the effect of cryogenic treatment of HSS drills in drilling SS310”, Materials Today: Proceedings, pp 1-4. (**Scopus Indexed**)
- **V.Gopinath**, G.Selvakumar, R.Periyasamy 2019, “Performance and emission characteristics of preheating corn oil methyl ester in CI Engine”, Mechanika, No.5, pp 413-418. (**SCI and Scopus Indexed**)
- **V. Gopinath**, P. Shanmughasundaram 2018, “Performance analysis of diesel engine using corn oil biodiesel and preheating of Inlet Air: The Taguchi approach”, Ecology, Environment and Conservation, Vol. 24 (2), pp 916-923. (**Scopus and Web of Science Indexed**)
- P. Shanmughasundaram, **V.Gopinath**, P. Suresh 2017, “Performance and emission characteristics of a diesel engine runs with corn oil biodiesel blends and air pre-heater”, Mechanika, No.3, pp 462-468. (**SCI and Scopus Indexed**)
- **V. Gopinath**, P. Shanmughasundaram, P. Suresh 2017, “Emission Analysis of an Engine Operating on Corn oil methyl ester blends with air Pre-Heater”, International Journal of Renewable Energy Research, Vols.7, No .4, pp 1682- 1685. (**Scopus and Web of Science Indexed**)
- **V. Gopinath**, Dr.P. Suresh 2015, “Experimental Study on the Emission Characteristics of a Diesel Engine Using Corn Oil as Fuel”, International Journal of Renewable Energy Research, Vols.5, No .1, pp 99- 102. (**Scopus and Web of Science Indexed**)
- **V. Gopinath**, Dr.P. Suresh 2014, “Performance Evaluation of Diesel Engine runs on Biodiesel Blending”, Applied Mechanics and Materials, Vols. 592-594, pp 1719-1722. (**Scopus Indexed**)
- **V. Gopinath**, N. Balanarasimman 2012, “Effect of Solidification Parameters on the Feeding Efficiency of LM6 Aluminium Alloy Casting”, IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE), Volume 4, Issue 2, pp 32-38. (**h - index = 3, i10 - index = 1**)
- **V. Gopinath**, G. Navaneethakrishnan 2013, “Performance Evaluation of Gas Turbine by reducing the inlet air temperature”, International Journal of Technology Enhancements and Emerging Engineering Research, Volume 1, Issue 1, pp 20-24.
- **V.Gopinath**, M.Subanesan, N.Vasanth, S.Thiyagu, R.Vignesh, 2017 “Avoiding Drunken Driving Road Accidents by using Alcoholic Sensors”, International Journal of Engineering and Applied Sciences, Volume-4, Issue-5, pp 81-83.

Paper Presented in Conferences

- **V.Gopinath**, 2016 “Optimization of Emission Characteristics of Diesel Engine with Corn oil methyl ester blends and air pre-heater Using Taguchi Method”, 8th Annual Research Congress held at Karpagam University Coimbatore, India
- **V.Gopinath**, 2014 “Experimental study on the performance characteristics of a diesel engine using Corn oil as fuel”, 6th Annual Research Congress held at Karpagam University Coimbatore, India.
- **V.Gopinath**, 2014 “Experimental investigation on Diesel engine fuelled by corn oil methyl ester blend with varying inlet air temperature by Using Air Pre-heater”, International Conference on Green Technology for Environmental Pollution Prevention and control conducted by Department of chemical engineering, National Institute of Technology Tiruchirapalli (NITT), India.
- **V.Gopinath**, 2014 “Performance Evaluation of Diesel Engine runs on Biodiesel Blending”, International Mechanical Engineering Congress conducted by Department of chemical engineering, National Institute of Technology Tiruchirapalli (NITT), India.
- **V.Gopinath**, 2013 “Performance evaluation of Gas Turbine (100MW Model) by reducing the inlet air temperature”, New & Renewable Energy Technologies conducted by PSG college of Technology Coimbatore, India.

Course Conducted

- Five days Value added Course on “**Power Plant Systems**” held on 18th to 22nd June 2012, for Final year Mechanical Students batch 2012 at Kongunadu College of Engineering and Technology, Trichy.
- Organized One days National level Workshop Programme “**Surface modification and coatings**” held on 19th January 2013 at Kongunadu College of Engineering and Technology, Thottiam.

Details of Seminars /Workshops/FDPs attended

- AICTE-(ATAL) Online FDP on “**Alternate Fuels**” from 07.09.2020 to 11.09.2020 at Christian College of Engineering & Technology.
- One week AICTE –ISTE Sponsored Induction / Refresher Programme on “**Energy Conservation and Energy Audit**” held on 26th Nov to 01st December 2018 conducted by M.Kumarasamy College of Engineering, Karur, India.
- Faculty development training program on “**Power Plant Engineering**” held on 4th to 10th June 2018 conducted by Anna University, Chennai, India.
- Faculty development training program on “**Production Planning Control**” held on 17th to 23rd December 2014 conducted by Anna University, Chennai, India.
- Two week ISTE Workshop on “**Fluid Mechanics**” held on 20th to 30th May 2014 conducted by Indian Institute of Technology Kharagpur, India.
- Faculty development training program on “**Gas Dynamics and Jet Propulsion**” held on 23rd to 29th December 2013 conducted by Anna University, Chennai, India.
- Two week ISTE Workshop on “**Engineering Mechanics**” held on 26th Nov to 06th December 2013 conducted by Indian Institute of Technology Bombay, India.
- Two week Faculty development training program on “**Rural Development by Green Energy**” held on 03rd to 15th June 2013 conducted by Kongunadu College of Engineering and Technology Trichy, India.
- Short term training on “**Practical Industrial Energy of conservation**” held on 23rd to 25th February 2007 organized by Department of Mechanical engineering, Government college of Technology, Coimbatore, India

- National Workshop on “**Renewable Energy – Energy of the Future**” REEF 2005 Sponsored by Tamilnadu Energy Development Agency and Ministry of Non Conventional Energy Sources at Centre of Energy Studies, organized by Department of Mechanical Engineering, Kumaraguru College of Technology, Coimbatore, India
- Two day national workshop on “**Advances in Automobile Technology**” held on 17th and 18th September 2004 organized by PSG College of Technology, Coimbatore, India.

Subjects Taught

- Power Plant Engineering
- Engineering Thermodynamics
- Heat and Mass Transfer
- Thermal Engineering
- Gas dynamics and Jet Propulsion
- Advanced IC Engine
- Engineering Mechanics
- IC Engine Lab

Membership

- Life member in Indian Society for Technical Education (ISTE).
- Reviewer and Member in International Society for Research and Development.

Additional Responsibility

- Overall Management Representative for ISO 9001: 2015 and ISO 9001: 2008
- Deputy Controller of Examinations
- Actively Worked in NBA and NAAC
- Student Mentor and Class Advisor

Personal Details

Date of birth : 28/10/1983
 Marital Status : Married
 Phone no : +91 9790092837 / 04286-270761
 Passport Number : R8586968 / 20.02.2028

References

Name	Designation	E-mail Address
Dr.P.Shanmugasundram	Head and Professor	sunramlec@rediffmail.com
Dr. R.Viswanathan	Assistant Professor	vissona2005@yahoo.co.in

Declaration

I hereby declare that the above information's furnished are true to the best of my belief and knowledge.

Place: Namakkal
Date: 12.11.2020

(V.GOPINATH)