

Faculty Member Profile

PERSONAL INFORMATION

Name	: Dr.S.Gopinath	
Title(s) / Position(s)	: Dr.	
Current Designation	: Assistant Professor (S.G)	
Years in Current Designation	: 09 Years	
Gender	: Male	
Primary Discipline	: Mechanical Engineering	
WoS / Publon	: https://www.webofscience.com/wos/author/rid/AAO-3759-2020	
Scopus	: https://www.scopus.com/authid/detail.uri?authorId=57226701476	
Orcid ID	: http://orcid.org/0000-0002-7337-5888	
Google Scholar	: https://scholar.google.com/citations?user=OxQpuWkAAAAJ&hl=en	
Vidwan	: https://vidwan.inflibnet.ac.in/profile/182828	

DEGREES AND OTHER CREDENTIALS:

Ph.D – Mechanical Engineering – 2021

Research in the area of Energy, Fuels and Optimization
 Anna University, Chennai

M.E – Thermal Engineering – 2014

University Rank: 02
 First Class with Distinction
 Adhiparasakthi Engineering College, Melmaruvathur
 Anna university, Chennai

B.E – Mechanical Engineering – 2012

University Rank: 17
 First Class with Distinction
 Maharaja Engineering College, Coimbatore
 Anna university, Chennai

PROFESSIONAL BODY MEMBERSHIP

S.No	Name of the Professional Body	Membership type	Membership Number
1.	The Indian Society for Technical Education (MISTE)	Life member	LM 105377
2.	International Association Engineers (IAENG)	Life member	162084
3.	IEOM Society International	Life member	1437671
4.	HKSME Membership	Life member	20170613014

S.No	Name of the Professional Body	Membership type	Membership Number
5.	Institute for Engineering research and Publication	Member	SM98610347
6.	International Safety Quality Environment Management Association (ISQEM)	Associate Member	15M28386
7.	Institute of Research Engineers and Doctors (IRED)	Member	SNM10100053259

Previous work experience

Name of the Organization / Institution	Designation / Position	Service between (MM-YY to MM-YY)		Years of Service
		From	To	Years
KCG College of Technology	Assistant Professor (S.G)	08-2022	Till now	07 Month
R.M.K. College of Engineering and Technology	Assistant Professor (S.G)	05-2014	07-2022	8.1

Appointment with the School of Mechanical Engineering

Type of appointment: 2022 / Full Time

AWARDS

S.No	Award/ Achievement	Position/Sub/Year	Organization
1.	Best Overall Performing Teacher	Year: 2015-2016	Indian Institution of Production Engineers (IPE)
2.	Best Overall Performing Teacher	Year: 2016-2017	Indian Institution of Production Engineers (IPE)
3.	Best Teaching faculty	Year: 2017-2018	Kalam Educational Trust for Tribals
4.	Best NPTEL Coordinator	Year: 2018-2019	Indian Institution of Production Engineers (IPE)
5.	Innovation Ambassador	Year: 2020-2021	Ministry of Education
6.	Best Faculty	Year: 2020-2021	GKS Global Award
7.	Young Researcher	Year: 2021-2022	Indian Institution of Production Engineers (IPE)

RECENT PUBLICATIONS

- Chidambaranathan, B., Kumar, S.S., **Gopinath, S.**, Madhu, S., Sheeja, R. Computational Fluid Dynamic Analysis of Exhaust Gas Calorimeter (2023) Green Energy and Technology, pp. 357-367. https://doi.org/10.1007/978-981-16-8274-2_24
- Aravindhyan, N., Bibin, C., **Gopinath, S.**, Rajesh, K., Ashok Kumar, R., Arun Kumar, S., Sadasivan, N. Analysing the Effect of Fixture on Manual Welding Application

(2023) Lecture Notes in Mechanical Engineering, pp. 455-464.

https://doi.org/10.1007/978-981-19-2188-9_42

3. **S.Gopinath**, P.K.Devan, T.Karthick, P.Kathik, K.SivaShanmugam, P.Jonyjoshva, A review on improving the diesel engine performance and characteristics using biodiesel with nano additives A Review on Improving the Diesel Engine Performance and Characteristics Using Biodiesel with Nano Additives, AIP Conf. Proc. 2393 (2022) 020168–1 to 020168–17. <https://doi.org/https://doi.org/10.1063/5.0074266>.
4. **S.Gopinath**, N.Aravindhan, J.PranithKumar, M.Pragadeeswaran, K.Santhoshkumar, M.Sarathkumar, Comparative analysis and testing of impact attenuator, AIP Conf. Proc. 2393 (2022) 020185–1 to 020185–8. <https://doi.org/https://doi.org/10.1063/5.0074267>.
5. C. Bibin, S.S. Kumar, N. Aravindhan, **S. Gopinath**, R. Sheeja, M. Ramachandran, Flow Analysis of Secondary Air Injection in Conical Rocket Nozzle, AIP Conf. Proc. 2393 (2022) 020048-1 020048-11. <https://doi.org/https://doi.org/10.1063/5.0074284>.
6. C.Bibin, P.K.Devan, **S.Gopinath**, Performance and environmental impact assessment of diesel engine operating on high viscous punnai oil – diesel blends, Environmental Science and Pollution Research. (2022). <https://doi.org/10.1007/s11356-022-20211-3>.
7. **S. Gopinath**, P.K. Devan, B. C, K. Pitchandi, Influence of retarded injection timing on thermal performance and emission characteristics of a diesel engine fuelled with an optimized pyrolytic blend, Energy & Environment, 33 (2021) 1039–1060. <https://doi.org/10.1177/0958305X211033970>.
8. **S. Gopinath**, P.K. Devan, C. Bibin, K. Pitchandi, Influence of retarded injection timing on thermal performance and emission characteristics of a diesel engine fuelled with an optimized pyrolytic blend, Energy & Environment. (2021) 0958305X2110339. <https://doi.org/10.1177/0958305X211033970>.
9. C. Bibin, P.K. Devan, S. Senthil Kumar, **S. Gopinath**, R. Sheeja, K.G. Ashok, Effect of palmitic and oleic acid mixture on performance and emission analysis of a di diesel engine, Materials Today: Proceedings. 45 (2021) 6292–6297. <https://doi.org/10.1016/j.matpr.2020.10.735>.
10. C. Bibin, P.K. Devan, S. Senthil Kumar, **S. Gopinath**, R. Sheeja, Influence of palmitic and oleic acid mixtures on combustion evaluation of a diesel engine, Materials Today: Proceedings 45 (2021) 6638–6644. <https://doi.org/10.1016/j.matpr.2020.11.865>.
11. **S. Gopinath**, P.K. Devan, K. Pitchandi, Production of pyrolytic oil from ULDP plastics using silica-alumina catalyst and used as fuel for DI diesel engine, RSC Adv. 10 (2020) 37266–37279. <https://doi.org/10.1039/d0ra07073d>.
12. **S. Gopinath**, P.K. Devan, Optimization and Prediction of Reaction Parameters of Plastic Pyrolysis Oil Production Using Taguchi Method, Iranian Journal of Chemistry & Chemical Engineering 39 (2020) 91–103. <https://doi.org/10.30492/IJCCE.2020.33965>.
13. M. Balasubramanian, R. Kumar, **S. Gopinath**, Multi-objective optimisation of friction welding parameters in joining titanium alloy and stainless steel with a novel interlayer

- geometry, Adv. Mater. Process. Technol. 6 (2020) 25–39. <https://doi.org/10.1080/2374068X.2019.1688625>.
14. **S. Gopinath**, P.K. Devan, C. Mohan, L.R. Krishna rao, P. Lokesh kumar, S. Vara Prasad, A review on influence of injection timing and injection pressure on DI diesel engine fuelled with low viscous fuel, Materials Today: Proceedings. 33 (2020) 280–286. <https://doi.org/10.1016/j.matpr.2020.04.070>.
 15. **S. Gopinath**, P.K. Devan, V. Sabarish, B.V. Sabharish Babu, S. Sakthivel, P. Vignesh, Effect of spray characteristics influences combustion in DI diesel engine – A review, Materials Today: Proceedings. 33 (2020) 52–65. <https://doi.org/10.1016/j.matpr.2020.03.130>.
 16. C. Bibin, **S. Gopinath**, R. Aravindraj, A. Devaraj, S. Gokula Krishnan, J.K.S. Jeevaanathan, The production of biodiesel from castor oil as a potential feedstock and its usage in compression ignition Engine: A comprehensive review, Materials Today: Proceedings 33 (2020) 84–92. <https://doi.org/10.1016/j.matpr.2020.03.205>.
 17. P.K. Devan, **S. Gopinath**, K. Rajesh, S. Madhu, Improving the characteristics of engine oil using nanofluid as coolant in combat vehicles, Materials Today: Proceedings 22 (2020) 2–6. <https://doi.org/10.1016/j.matpr.2019.12.005>.
 18. R. Sheeja, C. Bibin, P.R. Krishnan, R. Nishanth, **S. Gopinath**, K.G. Ashok, Secure File Sharing System in Cloud Using AES and Time Stamping Algorithms, IOP Conference Series: Materials Science and Engineering. 906 (2020) 012023. <https://doi.org/10.1088/1757-899X/906/1/012023>.
 19. K. Renugadevi, S Ramesh, P.K. Devan, **S. Gopinath**, Determination of Non Linear Displacement in Cylindrical shell structures Using Abaqus Software, International Journal of Applied Engineering Research 10 (2015) 21861–21866. <http://www.ripublication.com/ijaer.htm>.
 20. **S. Gopinath**, C. Bibin, N. Dineshbabu and V. Bala Murugan “Optimizing the Various Parameters for Biodiesel Production by Transesterification” International Journal of Engineering Research and Technology (IJERT) ISSN: 2278-0181 Vol. 4 Issue 02, February-2015.
 21. **S. Gopinath**, C. Bibin, Devan. PK & Balasubramanian. M “Performance and combustion characteristics test on VCR diesel engine” International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number 11 (2015)
 22. D. Saiprashanth, B. Karthik, A. Balajikrishnabharathi, B. Subash, **S. Gopinath**, Proficient Helium Recovery System and Analysis by Computational Fluid Dynamics, IJSRD-International J. Sci. Res. Dev. 3 (2015) 2321–0613. www.ijsrd.com.
 23. T. Ajiskrishnan, C. Bibin, **S. Gopinath**, N. Aravindhan, & M. Krishna Kumar “Vision-Based Position and Orientation Estimation of an Aerial Vehicle” in IJSRD - International Journal for Scientific Research & Development| Vol. 3, Issue 01, 2015 | ISSN (online): 2321-0613 pp. 637 – 640.
 24. **S. Gopinath**, Devan. PK, Balasubramanian. M and C. Bibin “Experimental Study and Optimization of Injection Parameters for A Biodiesel Using Taguchi Method”

25. **Gopinath S**, Kannan M, Experimental Investigation on Injection Parameters using Taguchi, IOSR J. Mech. Civ. Eng. 2 (2014) 23–26. www.iosrjournals.org

PATENT

1. Development of IOT Based Part Inspection System (202041016738 A) - Published
2. The Toxicological Aspect of Biogas from the Anaerobic Digestion of Household Waste (202141026006 A) - Published

RESEARCH GRANT

1. Extraction of Plastic Oil from waste plastics by Pyrolysis process (R.4/2/UG/2018-19/RDUG2018006) from The Institution of Engineers (India).

EVENT GRANT

1. Online Faculty Development Programme (FDP) on Electric Vehicles: Challenges and Opportunities in Future India sponsored by AICTE – ATAL.
2. IIC Mentor – Mentee Scheme sponsored by MoE IIC.
3. Scheme for Promoting Interests, Creativity and Ethics among Students (SPICES) sponsored by All India Council for Technical Education (AICTE).

FUNDS FROM INDUSTRY

1. NPTEL – TI Embedded System Design using MSP430 MooC Course conducted by NSUT and IIT-Jammu for Best Mentor, AICTE & Texas Instrument provided 05 kits for further enhancement of MooCs Courses

CERTIFICATE OF APPRECIATION

1. Recognized as **Mentor** for the NPTEL online certification course **Steam Power Engineering** during Jan – Dec 2020.
2. Certified as **Mentor** for the NPTEL online certification course **Laws of Thermodynamics** during January – April 2020.
3. Certified as **Top performing mentor** for the NPTEL online certification course **IC Engines and Gas Turbines** during January - April 2019.
4. Certified as **Mechanical Engineering Discipline Stars** for the NPTEL during July - December 2021.
5. Certified as **Trainer for trainers** for the Course “**Robotics simulation in Manufacturing**” during August - November 2022