

Name: Dr. R. Vigneswaran	Photo 			
Designation:	Associate Professor			
Qualification:	Ph.d			
Area of specialization:	Thermal Engineering/IC Engines			
Experience:	Industrial Experience		Teaching Experience	
	02		18.5	
Number of workshops / FDP attended:	Number of Workshops		Number of FDPs	
	05		05	
Publications:	Conference		Journal	
	National	International	National	International
	03	01	02	07
Books / Book Chapters	01			
Patents:	National		International	
	02		Nil	
Professional Body Membership	ISTE, SAE, IEE, IAENG			

Staff Achievements

- Outstanding Reviewer for Energy Conversion & Management
 - Reviewer for various Journals
 - Reviewer for Clean Technologies & Environmental Policy.
 - Reviewer for International Journal of Biochemistry Research and Review.
 - Reviewer for Journal of Materials Science Research and Reviews.
 - Reviewer for Asian Journal of Advances in Research & Materials Today Proceedings
-
- **Best Teacher Award** for the year 2022 – Sri Sairam Institute of Technology
 - Approved supervisor for Ph.D. and M.S. scholars in Anna University (Reg. No. 3720002)
 - Speaker for Webinar at Nalla Mall Reddy Engineering College, Hyderabad.
 - Speaker for Webinar at Sri Venkateswara Polytechnic College, Vellore.
 - Session Chair for International Conference at Jai Shriram Engineering College, Tirupur.

Educational Qualifications:

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks/ Grades obtained	Class obtained
UG	B.E	Mechanical	2002	Dr. N. N. C. E, Tholudur	Madras University	62%	First Class
PG	M.E	Thermal	2006	Govt. College of Engg, Salem	Anna university	76%	First Class
PhD	Ph. D - Completed	IC Engines/Alternative Fuels	2020	Madras Institute of Technology	Anna University & Campus	-	-

Academic Experience:

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Sri Sairam Institute Of Technology, Chennai	Associate professor	16.06.2014	24.08.2025	11	2	14
Sri Balaji Chockalingam Engineering College, Arani	Assistant Professor	02.01.2012	25.05.2014	2	4	25
Sri Balaji Chockalingam Engineering College, Arani	Lecturer	04.08.2006	31.12.2011	5	4	24
Industry - S.M. Tools Pvt Ltd, Ranipet				2	1	

FDP/STTP Attended:

- Faculty Development Program on “Advances in Materials Technology for Next Generation Manufacturing” at Ballari Institute of Technology, Belagavi from 01.02.2024 – 05.01.2024.
- Three day Hands on Training Program on MATLAB& SIMULINK for Engineers: An Interdisciplinary Approach at PSG Institute of Tech & Applied Research from 12.10.2023 – 14.10.2023.
- ATAL Faculty Development Program on “Novel Materials” at Government College of Engineering, Thanjavur from August 17 - August 21, 2021.
- Faculty Development Program on “Recent Trends on Automotive New Product Development” at Sathyabama Institute of Science and Technology, Chennai from 13th to 18th July 2020.
- Faculty Development Program on “Computational Fluid Dynamics” at Veltech Dr. rangarajan Sangunthalai Engineering College, Avadi from June 19 – June 25.

Gian Course: attended two weeks FDP on “Advance Internal Combustion Engines” conducted by NIT Trichy from May 06 – May 12, 2019.

Conference Attended: Nil

Patent: 02

Journal Publications:

- Anand, K. T., Sekhar, K. C., Mariappan, M., **Vigneswaran, R.**, (2025). Exploring the performance dynamics of basalt fibre reinforced polymers: Mechanical and viscoelastic insights. *Journal of Polymer and Composites*, 13(2), 12–22. STM Journals. (SCIE/WoS/Scopus Indexed).
- Hoang, A. T., Balasubramanian, D., Venugopal, I. P., **Vigneswaran, R.**, Nguyen, D. T., Lawrence, K. R., & Kalam, M. A. (2023). A feasible and promising approach for diesel engine fuelled with a blend of biodiesel and low-viscosity Cinnamon oil: A comprehensive analysis of performance, combustion, and exergy. *Journal of Cleaner Production*, 401, 136682.
- **Vigneswaran, R.**, Dhinesh Balasubramanian, & BD Sabari Sastha. (2021). Performance, emission and combustion characteristics of unmodified diesel engine with titanium dioxide (TiO₂) nano particle along with water-in-diesel emulsion fuel. *Fuel*, 285:119115. **Impact Factor –6.609.(Elsevier)**
- **Vigneswaran, R.**, & Dhinesh Balasubramanian. (2020). Influence of Injection Parameters on performance and emission of DI Diesel Engine Fueled by 1, 4-Dioxane Emulsified Fuel. *SAE Technical Paper*: No. 2020-28-0518.
- **Vigneswaran, R.**, Annamalai, K., Dhinesh, B., & Krishnamoorthy, R. (2018). Experimental investigation of unmodified diesel engine performance, combustion and emission with multipurpose additive along with water-in-diesel emulsion fuel. *Energy conversion and management*, 172, 370-380. **Impact Factor – 9.709.(Elsevier)**
- Ponshanmugakumar, A., **Vigneswaran, R.**, & Rajmohan, M. (2015). Different aspects of Phase Change Material Encapsulation for Sub cool Thermal Storage-A Review. *Applied Mechanics and Materials*, Vol. 766, pp. 480-485. **(Scopus Indexed)**
- Anbusagar, N. R. R., Palanikumar, K., **Vigneswaran, R.**, Rajmohan, M., & Sengottuvel, P. (2015). Tensile and Flexural properties of glass fibre reinforced nano polymer composite panels. *Applied Mechanics and Materials*, Vol. 766, pp. 372-376. **(Scopus Indexed)**

Books / Book Chapters:

- **Vigneswaran, R.**, Balasubramanian, D., Deep, A., & Mahla, S. K. (2021). Effect of 1, 4-Dioxane Emulsified Fuel on Diesel Engine Performance and Emission Operating with Varying Injection Timing. *Alternative Fuels and Advanced Combustion Techniques as Sustainable Solutions for Internal Combustion Engines* (pp. 197-213). Springer, Singapore.

Awards : NIL

Startup: NIL

Webinar: NIL

Resource Person:

NITTTR Courses: Accreditation and Outcome Based Learning, Waste Heat Recovery, Innovation by Design, UN SDG Course – Completed with Elite Category

Professional Membership:

- Senior Member of IEEE – 98893270 (from 2022 – till date)
- Senior Life Member of ISTE – LM128094
- Member of SAE – 7240410400 (10 years)
- Life Member of IAENG – 205221
- Member of Institution of Green Engineers - 10087
- Member of AICTSD – 72983