

<b>Name:</b> <b>Dr. Karthikeyan B</b>	<b>Photo</b> 			
<b>Designation:</b>	<b>Associate Professor</b>			
<b>Qualification:</b>	<b>PhD</b>			
<b>Area of specialization:</b>	<b>Mechanical Engineering</b>			
<b>Experience:</b>	<b>Industrial Experience</b>		<b>Teaching Experience</b>	
	8.3		12.7	
<b>Number of workshops / FDP attended:</b>	<b>Number of Workshops</b>		<b>Number of FDPs</b>	
			15	
<b>Publications:</b>	<b>Conference</b>		<b>Journal</b>	
	<b>National</b>	<b>International</b>	<b>National</b>	<b>International</b>
				7
<b>Books / Book Chapters</b>				
<b>Patents:</b>	<b>National</b>		<b>International</b>	
	2			
<b>Professional Body Membership</b>	<ul style="list-style-type: none"> <li>• IWS</li> <li>• SAE</li> <li>• ISTE</li> </ul>			

<b>Staff Achievements</b>	
	<ul style="list-style-type: none"><li data-bbox="678 197 695 218">•</li></ul>
	<ul style="list-style-type: none"><li data-bbox="678 365 695 386">•</li></ul>

## 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 Engineering	2001	VRS College of Engineering and Technology	Madras University	69%	First
PG	M.E.	Engineering Design	2004	Government college of Technology	Anna University	7.5	First
PhD	PhD	Mechanical Engineering	2025	SSN College of Engineering	Anna University		

## Academic Experience:

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Sri Sai Ram Engineering college		28/08/2025	Till Date			
Sri Sai Ram Institute of Technology	Associate Professor	01/08/2024	27/08/2025	12	01	12
	Assistant Professor	15/07/2013	31/07/2024			

Workshops/Seminars attended:

FDP/STTP Attended: 15

Symposium Attended:

Conference Attended:

Completed / Ongoing Projects:

Patent: 2

Journal Publications: 7

Books / Book Chapters:

Awards :

Startup:

Webinar:

Resource Person:

Online Courses:

## **Workshops/Seminars:**

### **FDP/STTP:**

- Trends and Technologies in the development of Electric Vehicles and Hybrid Electric Vehicles;; 26/09/2022-30/09/2022; Lendi Institute of Engineering and Technology.
- Electric Vehicle Drive System; 27/02/2023 – 04/03/2023, Jerusalem College of Engineering, Chennai
- Additive Manufacturing Advancements in Different Applications [AMADA – 23], 26/12/2023 – 31/12/2023, SRMIST, Chennai
- Engineering Sustainability through Renewal Energy systems; 18/03/2024 – 22/03/2024, Swami Keshavananth Institute of Technology, Jaipur.
- Smart Manufacturing – Opportunities & Challenges 17/08/2020 – 22/08/2020; St. Joseph's College of Engineering, Chennai.
- RECENT TRENDS IN IoT; 24/08/2020 – 28/08/2020; AICTE-ATAL; Ramrao Adik Institute of Technology
- Polymer Matrix Composites using Natural Fibers & Bio Polymers with the application of Nanotechnology; 22/01/2020 – 23/01/2020; Veltech Hightech, Chennai
- Advances in Computational Fluid Dynamics; 18/06/2019 – 22/06/2019, Veltech Hightech, Chennai
- Autodesk Inventor; 04/06/2018 – 08/06/2018; ICT Academy, Chennai
- Recent Developments in Engineering Materials & Nanotechnology; 10/12/2018 – 11/12/2018; Tagore Engineering College, Chennai.
- Recent Developments in Non Destructive Testing & Materials; 01/12/2016 – 02/12/2016; Tagore Engineering College, Chennai.

## **Conferences:**

## **Projects Applied**

### **Patent filed**

- Composite LPG Cylinder Using GFRP with Al Alloy Matrix
- Image Processing Based Consignment Verification System for Medical Supply Chain Vehicles

## **International:**

### **Journals :**

- Experimental investigation on machining characteristics of minimum quantity lubrication grinding of AISI-4320 steel using finger millet husk biosilica nanofluid; B Karthikeyan, K Babu; Biomass Conversion and Biorefinery 14 (6), 8103-8113
- Numerical and experimental investigation of an exhaust air energy recovery Savonius wind turbine for power production; H Berhanu, D Gudeta, AH Lenin, B Karthikeyan; Materials Today: Proceedings 46, 4142-4152
- Structural analysis of hybridized glass fiber hemp fiber reinforced composite wheel rim; NM Nachippan, A Backiyaraj, VR Navaneeth, T Maridurai, M Vignesh, B Karthikeyan; Materials Today: Proceedings 46, 3960-3965
- Optimization of process parameters in TIG welded joints of AISI 304L -austenitic stainless steel using taguchi's experimental design method; V Shanmugasundar, G., Karthikeyan, B., Santhosh Ponvell, P., Vignesh; Materials Today: Proceedings, 2019,, pp. 1188–1195
- An experimental analysis on the replacement of fine aggregate by manufacture sand; R Premanand, KT Sundari, N Aishwarya, B Karthikeyan; Materials Today: Proceedings
- A Cost-Effective Navigational Aid for the visually impaired; B Karthikeyan, GT Selvi, JJ Arputhabalan, A Ponshanmugakumar; 2023 International Conference on System, Computation, Automation
- Experimental analysis of natural composite material for helical gear; PK Chidambaram, A Buckshumiyam, E Venkatesh, B Karthikeyan; Materials Today: Proceedings

## **Awards:**

## **Webinar:**

## **ON - LINE COURSES**

### **NITTTR Courses:**

- Modules of NITTTR

### **Professional Membership**

- Indian Welding Society
- Society of Automotive Engineers
- Indian Society for Technical Education