

## BIO DATA



**Name** : L.Karthikeyan

**Designation** : Assistant Professor (Sr.Gr.)

**Department** : Mechanical Engineering

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Madurai – 625011.

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**Google Scholar link:**

<https://scholar.google.com/citations?hl=en&user=x7tVW8wAAAAJ>

### 1. Educational Qualification:

Degree	Branch / Specialization	Institute/University	Year of Passing
B.E.	Mechanical Engineering	Sethu Institute of Technology, Virudhunagar	2011
M.E	Engineering Design	Anna University Regional Campus, Madurai	2014
Ph.D	Mechanical Engineering	Anna university, Chennai	Pursuing

### 2. Professional/ Industry Experience: (in chronological order)

Sl. No.	Designation	Institution/ Organization	Period	
			From	To
1.	Assistant Professor (SG)	Ramco Institute of Technology, Rajapalayam	01.01.2023	Till date
2.	Assistant Professor	Ramco Institute of Technology, Rajapalayam	01.06.2016	31.12.2022
3.	Assistant Professor	Shanmuganathan Engineering College, Pudukkottai	23.06.2014	04.05.2016

### 3. Research Interest

- Automotive Technologies
- Materials and Design

### 4. Publications

#### JOURNAL PUBLICATIONS

##### 4.1 JOURNAL PUBLICATIONS

1. M.Vignesh, L.Karthikeyan, K.Amudhan, G.Prabu Ram and P. Pitichipoo, “Design and Analysis of Motorcycle Leg Guard Under Dynamic Conditions”, Journal of Green Engineering. Volume-10, Issue-7, July 2020, 4244–4256.

2. L.Karthikeyan, P.Pitchipoo, S.Rajakarunakaran and S.Kathiravan, “Studies on Progress of Aluminium Based Composites for Automotive Applications and its Damping Characteristics – A Review”, *Mechanics of Advanced Composite Structures*.  
<https://doi.org/10.22075/macs.2024.32547.1589>
3. L.Karthikeyan, P.Pitchipoo, S.Rajakarunakaran and V.Vigneshkumar, “ An Overview of Progression and Recent Trends in Additively Manufactured AlSi10Mg Alloy through Scientometrics”, *Mechanics of Advanced Composite Structures*.  
<https://doi.org/10.22075/macs.2025.34263.1681>
4. V.Vignesh Kumar, K.Gomathi, T.Ramkumar, B.Balasubramanian, and L.Karthikeyan, “Microstructural Evolution and Corrosion Behaviour of Al7075 Metal Matrix Composites Reinforced With Hexagonal Boron Nitride,” *Materials and Corrosion* (2026): e70126. <https://doi.org/10.1002/maco.70126>
5. B. Balasubramanian, V. Vignesh Kumar, K. Rajasekar & L. Karthikeyan ‘Elettaria cardamom fiber-reinforced epoxy composites with silicon carbide particles: preparation, mechanical properties and morphology’ *Iranian Polymer Journal* (2026).  
<https://doi.org/10.1007/s13726-026-01626-y>

#### 4.2 CONFERENCE PUBLICATIONS

1. Mr.L.Karthikeyan presented a paper entitled “Hand Gesture – based wheelchair assistance system” in the 3<sup>rd</sup> international conference on Advanced Material Processing & Sustainable Energy organized by Nadar Saraswathi College of Engineering and Technology on 30<sup>th</sup> Apr 2025.
2. Mr.L.Karthikeyan presented a paper entitled “Tribological characteristics of Additively manufactured Ti6242 alloy” in the international conference on innovations in sustainable infrastructure and advanced manufacturing organized by K.Ramakrishnan College of Technology on 25<sup>th</sup> Apr 2025.
3. Mr.L.Karthikeyan presented a paper entitled “Wear behavior of Aluminium alloy” in the International Conference on latest trends in Science, Engineering and Technology organized by Karpagam Institute of technology, Coimbatore on 26<sup>th</sup> Apr 2024.
4. Mr.L.Karthikeyan presented a paper entitled “Microstructure and Corrosion behavior of AlSi10Mg Composites processed by Additive Manufacturing” in the International Conference on latest trends in Science, Engineering and Technology organized by Karpagam Institute of technology, Coimbatore on 26<sup>th</sup> Apr 2024.
5. Mr.L.Karthikeyan and Mr.G.Prabu ram has presented a paper entitled “Reduction of lead time in fruit and vegetables in Indian food supply chain using lean six sigma” in the AICTE sponsored Global Technologies in Manufacturing and Thermal sciences organized by Sethu Institute of Technology, Kariapatti, Tamilnadu on 23<sup>rd</sup> Feb 2023.
6. Mr.L.Karthikeyan has presented a paper entitled “Studies on dynamic behavior of control arm in suspension system” in the International virtual conference on “Emerging trends in Engineering and Technology organized by ICCS college of Engineering and Management, Thrissur, Kerala on 2nd June 2021.
7. M.Vignesh, L.Karthikeyan, K.Amudhan, S.Rajakarunakaran, G.Prabu Ram, P. Pitchipoo, “Design and Analysis of Motorcycle Leg Guard Under Dynamic Conditions”, *International Web Conference on Smart Engineering Technologies 2020*, 26-27 June, 2020, Page No. 148.
8. Karthikeyan.L, Karpagarajan.P, Kathiresan.M, Mohamed Meeran.S and Ajithkumar.M (2019), *Modelling and Analysis of solar Powered Hybrid Electric Bike with Waste Heat*

recovery System, Ninth International Conference on Science and innovative Engineering 2019, Chennai.

9. Karthikeyan.L, Pon Rahavan. K.S, Sharin Raja.R, Muthu Manikandan.M and Vignesh.M (2019), Design and Analysis of Leg guard under Dynamic Condition, International Conference on Recent Innovation in Mechanical Engineering 2019, Tirunelveli.
10. Karthikeyan.L, Cibi raj.R, Gokul Krishna.R and Muthu ganesh.B (2017), Assembly Line Automation of Cabin Control Valve, National Conference on Innovation in Engineering, Science and technology 2017, Rajapalayam.
11. Karthikeyan.L and Stalin.B, Optimizing Tensile and Flexural Behavior of NFRP Hybrid composites using Taguchi Methodology, National Conference Sponsored by Tamilnadu State Council for Science and Technology 2014, University College of Engineering, Dindigul.

#### 4.3 Funded Projects

S.No.	Title of the project	Funding Agency	Duration	Amount	Status
1	Design and fabrication of All terrain Vehicle	The Ramco Cements Limited	2017-2018	4,00,000/-	Completed
		Ramco Industries Limited		2,12,435/-	Completed
2	Design and fabrication of All terrain Vehicle	Ramco Institute of Technology	2018-2019	59,000/-	Completed
		Ramco Industries Limited	2018-2019	2,21,114/-	Completed
3	Modeling and Analysis of Solar Powered Hybrid Electric Bike with Waste Heat Recovery System	RIT Research Council	6 months (2018 – 2019)	12,500/-	Completed
4	Mega ATV Fabrication	Ramco Institute of Technology	2019-20	2,25,000/-	Completed
5	MUSA Holder INC22ATN001150	MSME	2022-2023	12,87,500/-	Completed

#### 7. Short term Courses / Seminars /FDP/Workshop/Conference Attended:

Sl.No	Title of the event	Organized by	Date	
			From	To
1.	Autodesk Autocad	ICT Academy of Tamilnadu	13.06.2016	17.06.2016
2.	ABAQUS® Training Programme	EDS Technologies	01.12.2016	03.12.2016
3.	ME 6401 Kinematics of Machinery	Sri Sai Ram Institute of Technology, Chennai.	15.12.2016	22.12.2016
4.	A Hands on Training – Engineering Simulation using ABAQUS®	Ramco Institute of Technology	15.06.2017	17.06.2017
5.	Faculty Development Programme on “Human Values and Professional Ethics”	Ramco Institute of Technology	30.10.2017	12.11.2017

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Sl.No	Title of the event	Organized by	Date	
			From	To
6.	Design and Analysis of Mechanical Systems (DAMS) Workshop	National Institute of Technology, Trichy	10.06.2019	15.06.2019
7.	How to Publish a High quality journal paper	IEEE	20.04.2020	How to Publish a High quality journal paper
8.	How to get Published in Scientific Journal	Sairam Institute of Technology	27.04.2020	How to get Published in Scientific Journal
9.	Webinar series for “Motorsport Vehicle Teams”	SAE India Northern Section Efficycle’20	22.04.2020	29.04.2020
10.	Three days National Level Faculty Development Program on “Online College Management & Online Content Creation Tools”	University of Mumbai with North Storm Academy	30.04.2020	04.05.2020
11.	Effective use of LMS	Ramco Institute of technology	09.05.2020	-
12.	International Web conference on “Impact of Covid-19 on education system”	Department of Computer Science and IT, University, Aurangabad(MS)	30.05.2020	-
13.	Five Day Online FDP on “Mechanical behavior of Advanced Materials and its scope for Engineering applications”	Dept. of Mechanical Engineering, Sri Venkateswara College of Engg	10.06.2020	14.06.2020
14.	Five days online FDP program on “Manufacturing, Machining and testing of composites”	Sri Sai Ram Institute of Technology, Chennai	15.06.2020	19.06.2020
15.	Five days FDP on “ME8651 Design & Transmission systems” – Overview	Ramco Institute of Technology	15.06.2020	19.06.2020
16.	Patents & Copyrights: An overview & Practical considerations	Ansal University Gurgaon	20.06.2020	
17.	12 days short term course on “FEA”	Ramco Institute of Technology	22.06.2020	07.07.2020
18.	Artificial intelligence for beginners	RIT – ARC ISTE	15.07.2020	17.07.2020
19.	Webinar on "Vibration Control of Rotary Machines"	Ramco Institute of Technology	18.07.2020	-
20.	Hands on Training: Virtual laboratory	Ramco Institute of Technology	23.07.2020	-
21.	Patent search and Drafting	RIT-RC RIT-IIC	24.10.2020	-
22.	The need for – NEP	ISTE/ IQAC – RIT	10.11.2020	-
23.	Three days FDP on “Kinematics of Machinery”	Mohamed Sathak AJ College of Engg.	28.12.2020	30.12.2020

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Sl.No	Title of the event	Organized by	Date	
			From	To
24.	NBA Accreditation and processes	NIT Agartala – AICTE sponsored	08.01.2021	12.01.2021
25.	How to Publish Good Research Articles in High Impact Journals	Ramco Institute of Technology	12.01.2021	-
26.	Nano materials for Energy & Environmental applications	Ramco Institute of Technology	29.01.2021	-
27.	FDP on Vehicle Engineering	Ashok Leyland	25.10.2021	27.10.2021
28.	Workshop on Examination reforms	NITTTR Bhopal	27.12.2021	29.12.2021
29.	Extramural Lecture Series NT-007 “Green Hydrogen and its Applications”	Ramco Institute of Technology	19.06.2022	-
30.	Extramural Lecture Series NT-008 “Recent Trends in Sustainable Implementation of Solar Energy”	Ramco Institute of Technology	29.08.2022	-
31.	5 days FDP on Industry 4.0	Skill Lync	03.11.2022	-
32.	Virtual conference on “Making Mobility Safe, Secure”	Team Mobility Outlook	30.11.2022	-
33.	Two day National level (online) Workshop on “Role of NAAC in Enhancing Quality in Higher Education Institutions”	National Assessment and Accreditation Council (NAAC)	16.12.2022	17.12.2022
34.	Extramural Lecture Series - NT009 “Incorporating Python Computation in classroom teaching for Mechanical Engineering subjects”	Ramco Institute of Technology	20.12.2022	-
35.	Webinar on “Nanomaterials for Novel Applications”	Ramco Institute of Technology	13.01.2023	-
36.	Online Webinar on “Research Proposal Writing”	Ramco Institute of Technology	30.01.2023	-
37.	Workshop on “Journal Paper Writing”	RIT - RCD	10.02.2023	-
38.	Extramural Lecture Series - NT010 “The Laws that Governs the Universe According to Peter Atkins”	Ramco Institute of Technology	27.02.2023	-
39.	Webinar on “Application of Inverse Problem in Science and Engineering”	Seacom Skills University	10.05.2023	-
40.	Online lecture meeting on “Advanced Machining process”	SAEISS Madurai Division	30.06.2023	-
41.	5 Day International Virtual FDP on Global Conversations in Mechanical Engineering: Bridging Innovation and Sustainability	Madanapalle Institute of Technology & Science, Andhra Pradesh, India.	19.02.2024	23.04.2024
42.	Metal Additive Manufacturing	IIT, Kanpur	Jul 2024	Oct 2024
43.	ELS - Mapping the CDIO Syllabus for Sustainability	RIT	20.12.2024	-

Sl.No	Title of the event	Organized by	Date	
			From	To
44.	R&D Conclave	RIT Research council	26.12.2024	-
45.	Electric Vehicle Technology and Lithium ion Batteries	NITTR, Chennai	27.01.2025	31.01.2025
46.	Automation in Manufacturing	IIT Guwahati	July 2025	Oct 2025
47.	R&D Conclave	RIT Research council	23.12.2025	-

### 8. Short term Courses / Seminars /FDP/Workshop/Conference organized:

Sl.No	Title of the event	Organized by	Date	
			From	To
1.	One Day Workshop on A Hands on Training – Engineering Simulation Using ANSYS Workbench®	Ramco Institute of Technology	20.08.2016	---
2.	Two Day Workshop on CNC machining: Turning and Milling	Ramco Institute of Technology	20.08.2016	21.08.2016
3.	RC Plane and Drone Workshop	Ramco Institute of Technology	29.07.2017	---
4.	TECHYUGA'17 – Quick on the trigger	Ramco Institute of Technology	12.08.2017	---
5.	Abaqus® – Value added course Coordinator	Ramco Institute of Technology	10.05.2018	16.05.2018
6.	Auto CAD 2016®	Ramco Institute of Technology	25.06.2018	29.06.2018
7.	Workshop on “Engine-Transmania”	Ramco Institute of Technology	30.08.2019	-
8.	One Day Workshop on “Engine Trans – Mania	Ramco Institute of Technology	31.09.2019	---
9.	ESVC Junior regional round	Ramco Institute of Technology & ISIE	02.02.2020	-
10.	Webinar on “Engineering Mechanics”	Ramco Institute of Technology	07.05.2020	-
11.	Three days’ workshop on “Projects to Patent”	Ramco Institute of Technology	10.05.2020	12.05.2020
12.	Bharat IV/VI Stage norms, Design, considerations and road map to EV”	Ramco Institute of technology	16.05.2020	-
13.	One day online FDP on IPR	S.A. Jain college IQAC	19.06.2020	-
14.	ELS - NT 001	Ramco Institute of technology	19.06.2020	-
15.	IWCSET'20	Ramco Institute of Technology	26.06.2020	27.06.2020
16.	ME8594 – Dynamics of Machines “A way to excel in AU online MCQ”	Ramco Institute of Technology	23.11.2020	-
17.	One day workshop – Assembling and dismantling of Engine and Transmission systems	Ramco Institute of Technology	12.03.2021	-

18.	Virtual Workshop on Engine & Transmission Systems	Ramco Institute of Technology	17.04.2021	-
19.	Journey of Modern cars	Ramco Institute of Technology	12.06.2021	-
20.	ELS NT 002	Ramco Institute of Technology	21.08.2021	-
21.	Auto Quiz Event	SAE – Tier I	15.09.2021	-
22.	E-mobility and Entrepreneurship	Ramco Institute of Technology	22.09.2021	-
23.	ELS NT 003	Ramco Institute of Technology	27.10.2021	-
24.	Engine Trans mania	Ramco Institute of Technology	12.11.2021	-
25.	IP and its impact on society	Ramco Institute of Technology	04.12.2021	-
26.	Workshop on “Design thinking, critical thinking and Innovation design”	Ramco Institute of Technology	15.12.2021	-
27.	ELS NT 004: “Research aspects and Role of Engineers in ocean data collection”	Ramco Institute of Technology	19.12.2021	-
28.	ELS NT 005 Industry 4.0 : Digital Transformation Manufacturing Industry	Ramco Institute of Technology	24.01.2022	-
29.	International conference on Smart Technologies and Applications ICSTA’22	Ramco Institute of Technology	11.03.2022	12.03.2022
30.	Coordinator 20 <sup>th</sup> Annual ISTE Student convention’22	ISTE	26.03.2022	-
31.	ELS NT 006 Recent Trends in Metal Extraction and Recycling	Ramco Institute of Technology	22.04.2022	-
32.	Coordinator International conference on “Contemporary Research Advancements in Mechanical Engineering-23	Ramco Institute of Technology	24.03.2023	25.03.2023
33.	A Session for Fresh minds “Professional Societies for Engineers”	SAEINDIA	10.06.2023	-
34.	Online lecture meeting on “Advanced Machining Process”	SAEISS Madurai Division	30.06.2023	-
35.	HR program on “Cultivating Right Mind-set for future Readiness”	TPO – Ramco Institute of Technology	20.10.2023	-

36.	Extramural Lecture Series (ELS)- Mapping the CDIO Syllabus for Sustainability”	Ramco Institute of Technology	20.12.2024	-
37.	5 day FDP on Competency based Engineering Education	Ramco Institute of Technology	10.02.2025	15.02.2025

## 9. Online Courses

Sl.No	Course title	University	Date
1.	Engineering Systems in motion: Dynamics of Particles and Bodies in 2D Motion	Georgia Institute of Technology	09.12.2016
2.	Machine Design Part-1	Georgia Institute of Technology	30.05.2017
3.	Calculus 1A: Differentiation	Massachusetts Institute of Technology	15.09.2017
4.	A Hands-on Introduction to Engineering Simulations	Cornell University	13.12.2017
5.	Calculus 1B: Integration	Massachusetts Institute of Technology	09.03.2018
6.	Calculus 1C: Coordinate Systems & Infinite Series	Massachusetts Institute of Technology	12.09.2019
7.	Patent Search for Beginners	IP Moment, New Delhi	11.06.2020
8.	Vector Calculus for Engineers	The Hong Kong University of Science & Technology	30.06.2020
9.	Online course “Intellectual Property Rights: A Management Perspective”	Indian Institute of Management - Bangalore through edX platform	11.07.2020
10.	Online course on “Mechanics of Materials I: Fundamentals of Stress & Strain and Axial Loading”	Course of study authorized by Georgia Institute of Technology and offered through Coursera	12.07.2020
11.	Online course on “Operations Research: an Active Learning Approach”	Hong Kong Polytechnic University through edX	27.08.2020
12.	ATAL course on “3D printing & Design”	Dr.N.G.P Institute of Technology	19.10.2020 - 23.10.2020
13.	Multivariable Calculus	MIT open courseware	-
14.	ATAL course on “Design and Manufacturing”	Pillai college of Engineering	15.02.2021 - 19.02.2021
15.	Introduction to programming with MATLAB	Vanderbilt university through coursera	4 weeks
16.	Differential equations 2×2 systems	Massachusetts Institute of Technology through edX	24.11.2021
17.	Additive Manufacturing	University of Michigan through coursera	11.08.2022
18.	Course on “Crashworthiness Analysis of HEVs	Skill lync	26.02.2023
19.	EV Design for Mechanical Engineers – TNSDC	Skill lync	01.03.2023

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20.	Differential Equations: Fourier Series and Partial Differential Equations	Massachusetts Institute of Technology through edX	29.05.2023
21.	Universal Human Values	AICTE (5 Days course)	-
22.	Train the Trainer program on Digital Productivity and AI Fluency under the Faculty Development Programme	Microsoft Through NM	06.10.2023 - 14.10.2023
23.	Differential Equations for Engineers	The Hong Kong University of Science and Technology	06.04.2024
24.	Metal Additive Manufacturing 12 week course	NPTEL, IIT Kanpur	Jul – Oct 2024
25.	Metal Cutting and Machine Tools	NPTEL, IIT Kanpur	Feb – March 2025
26.	Manufacturing Systems Technology I & II	NPTEL, IIT Kanpur	Jul-Oct 2025
27.	Automation in Manufacturing	NPTEL, IIT Guwahati	Jul – Oct 2025
28.	Production Technology: Theory and Practice	NPTEL, IIT Kanpur	Jul – Oct 2025
29.	Mechanics of Machining	NPTEL, IIT Guwahati	Jan-March 2026
30.	Product Design and Manufacturing	NPTEL, IIT Kanpur	Jan- April 2026

#### 10. PATENTS FILED/AWARDED:

Sl. No.	Title of the Invention	Date of filing	Status	Date of Publication
1.	Kanaeba Crane 201841016885 A	04.05.2018	Hearing attended	17.05.2019
2.	Pomegranate Peeling Machine <b>Patent No: 522641</b>	20.11.2020	Awarded	04.12.2020
3.	Manually Operated Wheelchair with Setup for Moving Patients from Seat to Bed and Vice Versa <b>Patent No: 532151</b>	20.11.2020	Awarded	04.12.2020
4.	Copyright: Journey of Modern cars Accelerating through Past <b>Reg Number: L-108017/2021</b>	16.08.2021	Registered	30.09.2021
5.	Non-Newtonian fluid bottle filling Machine - 202341064374	26.09.2023	Published	26.01.2024
6.	Device to prevent banana tree from toppling 202441093644	29.11.2024	Published	13.12.2024
7.	Copyright: Introduction To Hybrid And Electric Vehicle <b>Reg Number: 3655/2025-CO/L</b>	01.02.2025	Registered	29.04.2025
8.	Innovation – Adoption, Exploration and Idea Generation	19.01.2026	Registered	-

## 11. INDUSTRIAL TRAINING DETAILS:

Sl. No.	Name of the Company	Date	
		From	To
1.	The Kerala Minerals and Metals Ltd., Kollam, Kerala	16.04.2019	17.04.2019
2.	TVS Training & Services, Chennai	25.06.2018	29.06.2018
3.	Rajapalayam Mills Limited, Rajapalayam	12.06.2018	14.06.2018
4.	Two day Industrial Visit in Gowri Metal Works Rajapalyam	31.05.2017	01.05.2017
5.	Quantanics Techserv Pvt. Ltd., Madurai	20.07.2023	22.07.2023
6.	Ramco Cements, RR Nagar (Industrial Safety Awareness session)	06.03.2025	-

## 12. MEMBERSHIP IN PROFESSIONAL SOCIETIES:

Sl. No.	Name of the Professional Body	Type of Membership	Membership ID
1.	SAEINDIA	Member	7170412053
2.	The Indian Society for Technical Education	Life Member	LM 114766

## 13. Awards, Recognition & Achievements

- Received Best class advisor award (II Year Mech-B) among all second year classes during academic year 2018-19.
- Guided the Mechanical Engineering students in the final year project titled “Modeling and Analysis of Solar Powered Hybrid Electric Bike with Waste Heat Recovery System” and received Rs. 12,500.00 as financial support for social relevant and innovative project from RIT research council and Participated in the technical presentation, won first prize in National Level Presentation held at CEG/MIT Anna university Campus.
- Resource person for national level workshop “Engine-Transmania” on 30.08.2019.
- Resource person for the program “Engineering mechanics” delivered the session on Friction – 07.05.2020
- Delivered the lecture on the topic “Design of Belt drives” for five days webinar series on ME8652 Design of Transmission Systems - Overview on 15.06.2020.
- Acted as a review member in the international web conference on Smart Engineering Technologies 2020.
- Contributed as a technical committee member for IWCSET’2020 (Technical Assistance for online conference)
- Acted as a technical reviewer in Electric Solar Vehicle Championship Junior 1.0 held at RIT and received appreciation award. (Technical inspection & Endurance test)
- Member in helpdesk coordination committee and acted as internal review members in NCCIET – 2021
- Resource person for Virtual Workshop on Engine & Transmission Systems on 17.04.2021

- Resource person for online webinar on “Journey of Modern cars” conducted on 12.06.2021.
- Delivered lecture on “Transfer case” for NCERT – MHRD online course module - NCERT nodal centre Madurai on 09.07.2021.
- Faculty advisor for the event TIFAN 2022 – National level student competition by SAEINDIA held in October 21
- Nominated as Transport nodal officer – as per AU student affairs on 12.01.2022.
- Delivered Road safety awareness session – RIT Student Induction program on 11.09.2023
- Judge for SAE Tier II (Zonal level) event titled "**Mobile Robotics**" jointly organized by SAEINDIA Tirunelveli division & Mepco Schlenk Engineering college, Sivakasi on 20 Feb., 2024.
- Secured Top 2% and Elite with Gold category in 12 week NPTEL course – Metal Additive Manufacturing
- Delivered lecture on “Modern Mobility Accelerating Through Past" for IV year Diploma students, P.A.C Ramasamy Raja Polytechnic College, Rajapalayam
- Secured Top 2% (Elite + Gold) position in a 12-week online course on “Automation in Manufacturing,” offered by the Indian Institute of Technology, Guwahati
- Secured Top 5% (Elite+Silver) position in 1 12-week online course on “ Manufacturing Systems Technology I & II” offered by Indian Institute of Technology, Kanpur
- Received Discipline star certification from IIT Madras, Feb 2026

#### 14. Responsibilities held

Sl.No.	Position held	Period	Responsibility	Activities carried out
<i>Institute level</i>				
1.	Road Safety club i/c	2025- Till date	Conducting road safety awareness program	<ul style="list-style-type: none"> <li>• Club formation and program organizing</li> <li>• Submitting report to Govt. officials as per guidelines</li> </ul>
2.	NCC Cadet Rank promotion evaluation committee member	2024 – Till date	Panel member – Evaluation	<ul style="list-style-type: none"> <li>• Evaluating promotion test</li> <li>• Interview and Personality assessment</li> <li>• Guidance and feedback</li> </ul>
3.	PAQIC member	2024 – Till date	Progress of Dept. Growth	<ul style="list-style-type: none"> <li>• Continuous improvement tracking</li> <li>• Evaluate program effectiveness and propose necessary actions</li> </ul>
4.	SAE – Professional Society I/C	Oct’ 2023	Progress of SAEINDIA Professional society	<ul style="list-style-type: none"> <li>• Conducting programs in line with Automotive Technologies</li> <li>• Project based learning</li> <li>• Conducting SAE Tier I events</li> </ul>
5.	Transport coordinator	2020 – Oct 2023	All our college vehicle / Transport management	<ul style="list-style-type: none"> <li>• Preparing transport plan for every semester</li> <li>• Transport fee revision</li> </ul>

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				<ul style="list-style-type: none"> <li>• Preparing route Maps</li> <li>• Follow up the vehicle scheduled maintenance</li> <li>• Conduct programs related to transport</li> <li>• Monitoring transport daily activities</li> <li>• Follow-up and monitor fuel bill every month</li> <li>• Purchase of new vehicles and report preparation</li> <li>• Insurance/Road tax follow-up</li> </ul>
6.	Aravindh herbal BOIII Incharge	2021 – Till date	Follow up industry support projects, Student & faculty IV and convene BOIII meeting	<ul style="list-style-type: none"> <li>• BOIII follow-up</li> <li>• Organising student and faculty IV – report follow-up</li> <li>• Creating BOIII documents for accreditation process</li> </ul>
<b>Department level</b>				
1.	Class Advisor	2017- 2021 & 2022- Till date	2017-21 Batch & 2022-26 Batch (In progress)	<ul style="list-style-type: none"> <li>• Address the students towards our institutional objective</li> <li>• Conduct of class committee meeting and reporting for grievances</li> <li>• Conduct of regular meeting with the students and parents and discuss the methods to improve the performance of students in the subjects</li> </ul>
2.	Lab Incharge	Nov 2020 - Till date	Kinematics and dynamics laboratory	<ul style="list-style-type: none"> <li>• Select Quotations – comparative statement preparation</li> <li>• Getting approval – conductive purchase negotiation meeting</li> <li>• Selection of supplier – releasing of PO</li> <li>• Payment approval</li> <li>• Lab development</li> </ul>
3.	SAE-BAJA Faculty advisor	2017- Till date	All-terrain vehicle	<ul style="list-style-type: none"> <li>• Guiding and monitoring student activities</li> </ul>
4.	Department – IPT/Internship Faculty In-charge	2018 – Oct 2020	IPT/Internship	<ul style="list-style-type: none"> <li>• To encourage the students to undergo In-plant training / Internship in various Industries.</li> </ul>

5.	RIT- Auto Club In-charge	2019- Till date	Automobile related programs	<ul style="list-style-type: none"> <li>• To provide a forum to discuss the modern technologies and ideas for development in automobile sector.</li> <li>• To encourage student participation in various automobile events and competitions</li> </ul>
6.	Dept. Alumni interaction Incharge	2020- Oct 2023	Improvement of Alumni institute interaction	<ul style="list-style-type: none"> <li>• Initiated Annual plan for alumni interaction based on accreditation process</li> <li>• Follow-up and coordinating alumni interaction series</li> </ul>
7.	Class committee Chairperson	2020 – Till date		<ul style="list-style-type: none"> <li>• Follow-up the progress of respective batch</li> <li>• Addressing grievances of students &amp; take corrective actions</li> <li>• Identify and report shortfalls</li> </ul>

#### **15. Activities that support institute accreditation/ other development contributions**

- ✓ Faculty In-charge of overall and department NBA 7<sup>th</sup> criteria
- ✓ One of the faculty In-charge of department NAAC 2<sup>nd</sup> criteria
- ✓ Faculty In-charge of department IPT/Internship
- ✓ Created assessment rubrics for IPT/Internship evaluation.
- ✓ Constitute and conduct review meeting for IPT/Internship
- ✓ Supporting for academic audit and document preparation
- ✓ Dept. Alumni interaction faculty I/C
- ✓ Created RIT - Annual plan for Alumni interaction series
- ✓ Overall host and organizing coordinator for Extramural lecture series
- ✓ Coordinator for transport related audits and inspection
- ✓ Support for transport official bill clearance and accounts