

KNOWLEDGE ASSET 2022-2023



Name: T.S. Krishna Kumar
Designation: Assistant Professor
Department: Automobile Engineering
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Experience (in years): 18 years Teaching: 8 years Research: Others(if any, specify):10 years
Industry

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	B.E (UG)	2009	Automobile Engineering
2	M.E (PG)	2015	CAD

2. Teaching and Learning:

- 2.1. Teaching Interests: PAE, FEM, NDT, PMOB
- 2.2. Novel Teaching & Learning Techniques adopted: WIT&WIL (Activity based)
- 2.3. Involvement in curriculum updating / Design: Yes

3. Co-curricular and Extra-Curricular Activities

- 3.1. Interests and Hobbies: Listening Songs
- 3.2. CCA/ECA Organized:
- 3.3. CCA/ECA participated:
- 3.4. Counseling and Mentoring Activity: Mentoring for II Year Students
- 3.5. Committees involved in:
 - Department level:
 - Institute Level: Crowd Management

4. Conference / Workshop / Seminar / Guest Lectures:

- 4.1 Conducted:
 - 1. Two days' Workshop titled "Electric mobility and its Ecosystem organised in VNRVJIET during 17-18 Feb 2020

2. One day national level Webinar “After Treatment Systems for BS-VI Vehicles” on 24 th Feb 2021
3. Two-day National level Seminar on Characterization and Machinability Studies of Metal Matrix Composites & Friction stir welding during 26 – 27 February 2021
4. One day Webinar on Vehicle control systems on 07th July 2021
5. Five days Faculty Development Programme on Fuel-powered, Hybrid Electric and Modern Vehicles from 19-24 July 2021
6. one day Webinar on cutting edge technologies in defence on 21st August 2021
7. one day Webinar on Future scope for automobile engineers on 03rd Sep 2021
- 8 DRDO sponsored three-day Seminar on “Future vehicle technologies for green environment NSFVTGE’22” by the Department of Automobile Engineering, VNRVJIET, during 16-18 February 2022.

4.2 Attended:

- Two days’ Workshop titled “Electric mobility and its Ecosystem organised in VNRVJIET during 17-18 Feb, 2020
- One day national level Webinar “After Treatment Systems for BS VI Vehicles” on 24 th Feb 2021
- Two-day National level Seminar on Characterization and Machinability Studies of Metal Matrix Composites & Friction stir welding during 26 – 27 February 2021
- One day Webinar on Vehicle control systems on 07th July 2021
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- One day Webinar on cutting edge technologies in defence on 21st August 2021
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5 Academic Contribution and Research & Consultancy:

5.1. Invited Lectures:

5.2. Articles / Chapters published in Books:

1. Book chapter published "Beemkumar N., Dinesh Kumar S., Dhass A.D., Yuvarajan D., Krishna Kumar T.S. (2021) Impact on the Performance of Solar Photovoltaic System with the Innovative Cooling Techniques. In: MotahhirS., EltamalyA.M.(eds)Advanced Technologies for Solar Photovoltaics Energy Systems. Green Energy and Technology. Springer, Cham. https://doi.org/10.1007/978-3-030-64565-6_5

5.3. Books published as single author or as editor:

5.4. Projects Guided:

- a) UG: 1 Batch
- b) PG:

5.5. Research Interests: Vehicle dynamics, Electric vehicles and Composite Materials

5.6. Ph. D students:

- a) Enrolled:
- b) Submitted:
- c) Awarded:

5.7. Papers published in reviewed journals:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
1	Behavior of Natural Fiber-Polymer Composites using Compression Moulding Process	IJERT, Volume. 7, Issue. 12, December - 2018	ISSN 2278-0181	7.87	International
2	Analysis of thermo electric generators in automobile applications	Materials today proceedings Volume 45, Part 7, 2021, Pages 5835- 5839	ISSN 2214-7853	1.24	International
3	Investigation on mechanical properties of natural fiber-polymer composite materials	Materials today proceedings Volume 45, Part 7, 2021, Pages 6149- 6153	ISSN 2214-7853	1.24	International
4	Comprehensive study of diesel engine characteristics of valves coated by titanium nitride (TiN)	Institution of Mechanical Engineers - Journal of Process Mechanical Engineering	ISSN: 0954-4089	1.822	International

5.8. Papers presented at National / International Journals :

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Design and analysis of compression ignition engine muffler in Automobiles	National Conference on Challenges and Opportunities for Mechanical Engineers (COME 2015)	National conference organised by Kongunadu college of Engineering & Technology	31.03.2015
2				

5.9. Sponsored research Projects:

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed

1	DRDO sponsored three-day Seminar on “Future vehicle technologies for green environment NSFVTGE’22” by the Department of Automobile Engineering, VNRVJIET, during 16-18 February 2022.	DRDO	3 Days	50,000	Completed
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5.10 Consultancy Projects:

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed

6 Awards / Honors received:

100% results given in Basic civil and mechanical engineering subject and Non-destructive testing Subject in SNS College of Technology Coimbatore

7 Motto: Have courage and be kind