

FACULTY PROFILE

Personal Information

Full Name: Dr P Jagan

Designation: Assistant Professor (SG)

Official Email ID: jagan.auto@kcgcollege.com

Date of Joining in KCG: 08.12.2025



Educational Qualifications

| Degree | Specialization | University / Institution | Year of Passing |
|--------|------------------------|---|-----------------|
| Ph.D. | Automobile Engineering | Madras Institute of Technology – Anna University, Chennai | 2025 |
| M.E. | Automobile Engineering | Madras Institute of Technology – Anna University, Chennai | 2017 |
| B.E. | Mechanical Engineering | Government College of Engineering-Tirunelveli | 2015 |

ACADEMIC PERFORMANCE

Experience

| Teaching Experience | Industry Experience | Research Experience |
|----------------------------|---------------------|---------------------|
| 8 | 0 | 8 |
| Total Experience: 8 | | |

Previous Organization

| Name of the Organization | Designation | Period | | Experience | |
|---|---------------------|----------------|-------------|------------|--------|
| | | From | To | Years | Months |
| MIT Campus, Anna University, Chennai - 44 | Teaching Fellow | September 2018 | Till Now | 7 | 3 |
| Velammal Engineering College-Chennai | Assistant Professor | June, 2017 | April, 2018 | 0 | 11 |

Courses Taught

| THEORY COURSES HANDLED | LAB SUBJECTS |
|-------------------------------------|--|
| Engineering Mechanics | Basic Mechanical and Electrical Lab |
| Mechanics of Solids | Automotive Engine and Chassis Components lab |
| Kinematics and Dynamics of Machines | Automotive Electrical and Electronic Lab |
| Vehicle Dynamics | Mechanical Testing and IC engine lab |
| IC Engine Process Modelling | Vehicle Dynamics Lab (PG) |
| Vehicle Technology | Transmission Lab |

FDPs / Workshops Attended

Faculty Development Program

1. **Faculty Development Program on “Sustainable Materials and Advanced Manufacturing Practices”.**
VNR Vignana Jyothi Institute of Engineering & Technology, Bachupally, Telangana.
22 September 2025 – 26 September 2025.
2. **Faculty Development Program on “Road Safety – Need of the Hour”.**
VNR Vignana Jyothi Institute of Engineering & Technology, Bachupally, Telangana.
29 July 2024 – 2 August 2024.
3. **Faculty Development Program on “Advances in Materials and Manufacturing”.**
VNR Vignana Jyothi Institute of Engineering & Technology, Bachupally, Telangana.
15 July 2024 – 19 July 2024.
4. **National Level Faculty Development Program on “Innovation, Research and IPR – Journey towards Excellence”.**
BVB’s Sardar Patel College of Engineering, Mumbai, Maharashtra.
1 March 2023 – 5 March 2023.
5. **Faculty Development Program on “Trends and Challenges in the Development of Electric and Hybrid Electric Vehicles”.**
Lendi Institute of Engineering & Technology, Andhra Pradesh, India.
14 November 2022 – 18 November 2022.

6. **Faculty Development Program for Student Induction (FDP-SI) – Level 1.**
Anna University, Chennai (AICTE).
10 June 2019 – 16 June 2019.

7. **Faculty Development Program for Student Induction (FDP-SI) – Level 0.**
Anna University, Chennai (AICTE).
13 May 2019 – 15 May 2019.

8. **Faculty Development and Training Program on GE8292 – Engineering Mechanics.**
University College of Engineering, Kanchipuram, Tamil Nadu.
18 December 2017 – 24 December 2017.

9. **Faculty Development Program on Engineering Graphics.**
KCG College of Technology, Chennai, Tamil Nadu.
21 June 2017 – 22 June 2017.

Workshop attended

1. **Prof. G.C. Garg's Endowment Lecture on “Automobile Trends – Fuel Cell Technology”.**
MIT Campus, Anna University, Chennai, Tamil Nadu.
29 June 2022 (One Day).
2. **One-Day Workshop on “Pedagogy”.**
MIT Campus, Anna University, Chennai, Tamil Nadu.
26 June 2019 (One Day).
3. **UGC–SAP Sponsored One-Day National Seminar on “Recent Trends in Vehicle Dynamics”.**
MIT Campus, Anna University, Chennai, Tamil Nadu.
16 March 2019 (One Day).
4. **One-Day Seminar on “Exploring Patent Drafting and Filing”.**
Velammal Engineering College, Chennai, Tamil Nadu.
9 April 2018 (One Day).
5. **Virtual Hands-on Training in Automobile Engines and Components.**
Velammal Engineering College, Chennai, Tamil Nadu.
9 September 2017 (One Day).
6. **One-Day Workshop on “NBA–SAR Filling and Preparedness for Assessment”.**
Velammal Engineering College, Chennai, Tamil Nadu.
22 July 2017 (One Day).



SCIENTIFIC CONTRIBUTION

Online Profiles

Google Scholar :

<https://scholar.google.com/citations?user=vZW3nzUAAAJ&hl=en>

ORCID : 0000-0002-5410-8733

Scopus ID : 57216731120

| Total Number of Research paper | Citations | h-index | i10-index |
|--------------------------------|-----------|---------|-----------|
| 4 | 91 | 4 | 2 |

Research Publications

1. **Padmanaban, J.**, Kandasamy, A., Venkatesan, E. P., Sura, S., Saleel, C. A., Hasan, N., & Zhenxiong, L. (2024). Sustainability study and SWOT analysis of mixed biofuel blends in engine at various injection pressure analysed by experimentally and statistically. *Scientific Reports*, 14(1). <https://doi.org/10.1038/s41598-024-79073-z>.
2. **Padmanaban, J.**, Kandaswamy, D., Joshua, P. J., & Natarajan, A. (2024). Statistical analysis of engine fueled with two identical lower aromatic biofuel blends at various injection pressure. *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*, 46(1), 7720-7735. <https://doi.org/10.1080/15567036.2024.2368495>
3. Narasimharaju, S., Annamalai, K., Anandkumar, G., & **Jagan, P.** (2023). Comparative study of electrical conductive coating materials on al alloy-based bipolar plates in proton exchange membrane fuel cells applications. *International Journal of Vehicle Structures and Systems*, 15(5). <https://doi.org/10.4273/ijvss.15.5.18>
4. Ramalingam, K., Balasubramanian, D., Chellakumar, P. J., Padmanaban, J., Murugesan, P., & Xuan, T. (2020). An assessment on production and engine characterization of a novel environment-friendly fuel. *Fuel*, 279, 118558. <https://doi.org/10.1016/j.fuel.2020.118558>

Research Guidance

No. PG Projects: 1

No. UG Projects: 8

Administrative / Academic Responsibilities

- Institution Innovation Cell Coordinator
- Time table Coordinator Admission Coordinator
- Online Course Incharge - NPTEL
- Social Media
- Club Coordinator
- Website Coordinator