

**Name:** B.Pavan Bharadwaja  
**Designation:** Assistant Professor  
**Department:** Automobile Engineering  
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Experience (in years): 5.6 Teaching: 5.6 Research: Nil

others (if any, specify): Nil

### 1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	B.Tech	2012	Mechanical
2	M.Tech	2015	Automobile
3	PhD	Pursuing	Hybrid Electric Vehicles

### 2. Teaching and Learning:

#### 2.1. Teaching Interests:

- Vehicle Body and Safety
- Vehicle Dynamics
- Automotive Pollution and Control
- Automotive Engines and Systems
- Automotive chassis and suspension
- Alternate fuels
- Automotive electrical and electronics
- Modern Automotive Technologies

#### 2.2. Novel Teaching & Learning Techniques adopted:

- Digital Teaching, PPT, WIT&WIL

#### 2.3. Involvement in curriculum updating / Design: Nil

- Updating AEE laboratory syllabus
- Worked collaboratively on introducing new laboratory course on MATLAB for Automotive engineers

### 3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies: Nil

3.2. CCA/ECA Organized: Nil

3.3. CCA/ECA participated: Formula Bharat 2017, SUPRA 2018, 2019

3.4. Counseling and Mentoring Activity: IV. B.Tech

3.5. Committees involved in:

Department level: Teaching, eBAJA Faculty In-Charge, SUPRA Faculty In-Charge, NBA 4<sup>th</sup> Criteria In-Charge

Institute Level: Autonomous Vehicles: Member

### 4. Conference / Workshop / Seminar / Guest Lectures:

4.1 Conducted: Nil

4.2 Attended:

- Participated in a Two-week ISTE STTP on “Technical Communication conducted by IIT Bombay”.
- Participated in a TEQIP sponsored workshop on “Recent Trends and Research Opportunities in Manufacturing Processes”.
- Participated in a one week workshop on “Advanced Numerical Modeling Techniques for Mechanical Engineering”.

## **5. Academic Contribution and Research & Consultancy:**

5.1. Invited Lectures: Nil

5.2. Articles / Chapters published in Books: Nil

5.3. Books published as single author or as editor: Nil

5.4. Projects Guided:

a) UG : 7

b) PG : Nil

5.5. Research Interests :

- Electric and Hybrid Vehicles
- Engine Emissions
- Stirling Engine
- Wankle Engine

5.6. Ph.D students: Nil

a) Enrolled: Nil

b) Submitted: Nil

c) Awarded: Nil

### **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	Effect of Exhaust Gas Recirculation on Emissions of a Diesel Engine Fuelled with Castor seed Biodiesel	Applied Mechanics and Materials Vols. 813-814 (2015) pp 819-823	doi:10.4028/www.scientific.net/AMM.813-814.819	23 H index	International
2	A Study of Emission and Performance Characteristics on HCCI Engine Using Methanol Blend	SAE Technical Paper 2017-28-1963, 2017	01487191	104 H-index	International
3	Recent Trends on Drivetrain Control Strategies and Battery Parameters of a Hybrid Electric Vehicle	SAE Technical Paper 2019-28-0155	01487191	104 H-index	International
4	Design Considerations and Analysis of Electric Microcar for Cities	SAE Technical Paper 2019-28-0161	01487191	104 H-index	International

**5.8. Papers presented at National / International Journals:**

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Effect of Exhaust Gas Recirculation on Emissions of a Diesel Engine Fuelled with Castor seed Biodiesel	ICMME-2015	International	2/4/2015 to 4/4/2015

**5.9. Sponsored research Projects:**

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed

**5.10 Consultancy Projects:**

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed

**6. Awards / Honors received:****7. Motto:** Enlighten Yourself