

Name: Suresh Devunuri  
Designation: Assistant Professor  
Department: Automobile Engineering  
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Experience (in years):            Teaching: 8            Research:            Others (if any, specify):

### 1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	Ph.D., (Pursuing), VIT University, Vellore, India	From 2017 Pursuing	Internal Combustion Engineering
2	M.Tech. VIT University, Vellore, India	2015	Automotive Engineering
3	B.Tech. Kakatiya Institute of Technology and Science, Warangal, India	2013	Mechanical Engineering

### 2. Teaching and Learning:

#### 2.1. Teaching Interests:

- Internal Combustion Engines and Thermodynamics
- Alternative Fuels and Automotive Emissions
- Electric and Hybrid Electric Vehicles
- Automotive Refrigeration and Air Condition
- Automotive Electric and Electronics
- Automotive Chassis Systems
- Vehicle Body Engineering and Safety
- Intelligent Vehicle Technologies

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

- WIT and Power Point Presentation for **Novel Teaching**
- WIL, NPTEL videos, FDP, STP, Conferences for **Learning Techniques**

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

Involvement in the Syllabus updating for the courses in R18, R19 and R22 regulations.

- Vehicle Body Engineering Safety
- Fuel Cell Technology

- Two and Three Wheelers
- Thermodynamics
- Noise Vibration and Harshness

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

3.1. Interests and Hobbies: Travelling, Watching Television, Reading News Paper

3.2. CCA/ECA Organized: **Nil**

3.3. CCA/ECA participated: Open House

3.4. Counselling and Mentoring Activity:

3.5. Committees involved in:

Department level:

- Incharge for Automobile Engineering Laboratory 2016-2021
- Incharge for Competency Development Center July 2018 to July 2020
- Incharge for WIT and WIL Teaching Learning Technique 2017-2021
- Coordinator for Department Training and Placement 2017-2021
- Coordinator for Department Faculty Development Activities 2017-2021
- Coordinator for BAJASAE Events 2019-2021

Institute Level: **Nil**

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

4.1 Conducted:

1. Five Day Online Faculty Development Program (FDP) on “Sustainable Mobility Solutions in the Indian Context during 27<sup>th</sup> July 2020 to 31<sup>st</sup> July 2020, as a Coordinator, VNRVJIET, Hyderabad.
2. One Day Online Webinar on “Future Mobility” on 20<sup>th</sup> June 2020 as a Coordinator, VNRVJIET, Hyderabad.
3. Five Day Online Faculty Development Program (FDP) on Emerging Technologies in Automotive Industry during 16<sup>th</sup> to 20<sup>th</sup> August 2021, as a Coordinator, VNRVJIET, Hyderabad.
4. Five Day Online Faculty Development Program (FDP) on Engineering Graphics through AUTOCAD.

#### 4.2 Attended:

##### **Conferences:**

1. National conference on Innovative Trends in Mechanical & Automobile Engineering (ITMAE-2016) held at MVSR Engineering College, Hyderabad, Telangana, 11 – 12<sup>th</sup> February 2016.
2. 10<sup>th</sup> International Conference on Combustion, Incineration/ Pyrolysis, Emission and Climate Change held at King Mongkut's University of Technology, Bangkok, Thailand. 18<sup>th</sup> - 21<sup>st</sup>, December 2018.
3. International Conference on Progress in Automotive Technology (ICPAT-2019) held at VIT University, Vellore, 7<sup>th</sup>- 9<sup>th</sup> March 2019.

##### **Workshops**

1. TEQIP-II Sponsored National Workshop on Additive Manufacturing: Shaping the Future (Trends, Opportunities, Challenges & Applications), VNRVJIET, Hyderabad, 3<sup>rd</sup> -5<sup>th</sup> May, 2016.
2. A Two-day workshop on Teaching and evaluating for 21<sup>st</sup> century VNRVJIET, Hyderabad, 3<sup>rd</sup>-5<sup>th</sup> May 2016.
3. Five-Day Short-Term Training Program on Engineering Drawing Through AUTOCAD, VNRVJIET, Hyderabad, 11<sup>th</sup> -15<sup>th</sup> December 2017.
4. One-week QIP Short Term Course on E-Mobility and Innovations in Sheet Metal Forming, IIT Bombay, 16<sup>th</sup> - 20<sup>th</sup> July 2018.
5. A Four Day Proficiency Improvement Programme on Electric Vehicles: Design, Validation and Certification, ARAI, Pune, 09<sup>th</sup> – 12<sup>th</sup> October 2018.
6. One-Week Online Faculty Development Program on “Emerging Research Areas in Mechanical Engineering” CMR Technical Campus, Hyderabad, 29<sup>th</sup> June to 03<sup>rd</sup> July 2020.
7. AICTE Sponsored Six Days Online Short-Term Training Programme on “Electric Vehicles: An Opportunity for India, Tamilnadu, 13<sup>th</sup> -18<sup>th</sup> July 2020.
8. Six days Faculty Development Programme on “Recent Innovations and Futuristic Scope for Research in Internal Combustion Engines”, Tamilnadu, 29<sup>th</sup> June to 04<sup>th</sup> July 2020
9. Five Day Online Faculty Development Program (FDP) on “Sustainable Mobility Solutions in the Indian Context”, Hyderabad, VNRVJIET, 27<sup>th</sup> -31<sup>st</sup> July 2020

10. Five Day online Faculty Development Programme on “New Teaching Strategies and Techniques” Tamilnadu, 29th June to 03rd July 2020

**Seminar:**

1. A Seminar on Vehicle Dynamics by Thomas Gillespie, MVSR Engineering College, Hyderabad, 9<sup>th</sup>- 11<sup>th</sup> July 2015.
2. Three Days International webinar on “Autonomous Vehicle Technology in Digital Era” Hindustan College of Technology, Coimbatore 6<sup>th</sup>- 8<sup>th</sup> July 2020
3. Two-Day National Level Seminar on “Characterization and Machinability Studies of Metal Matrix Composites & Friction Stir Welding, Hyderabad, 26<sup>th</sup> -27<sup>th</sup> February 2021.

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

5.1 Invited Lectures:

1. Delivered a lecture in Five Day Online Faculty Development Program (FDP) on “Sustainable Mobility Solutions in the Indian Context”, Hyderabad, VNRVJIET, 27<sup>th</sup>-31<sup>st</sup> July 2020.

5.2 Articles / Chapters published in Books:

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

5.4 Projects Guided:

- a) UG: 04                      b) PG:

5.5. Research Interest:

- IC Engines
- Alternative fuels & Emission
- Electric and Hybrid Electric Vehicles
- Intelligent Vehicle Technologies

5.6. Ph. D students: **NA**

- 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	Experimental Investigations on Lean Burn Spark Ignition Engine Using Methanol - Gasoline Blends	SAE International	01487191	0.36	International
2	Experimental Investigations on the Effect of Alcohol Addition on Performance, Emission and Combustion Characteristics of LPG Fuelled Lean Burn Spark Ignition Engine	SAE International	01487191	0.36	International
3.	Investigations on effects of ethanol blending on performance and combustion characteristics of gasoline fuelled lean burn SI engine.	IOP Conference Series: Earth and Environmental Science	1755-1315	0.1	International
4	Experimental investigation on lean burn spark ignition engine using alcohol-gasoline blends.	Progress in Industrial Ecology	1478-8764	0.2	International
5	Investigation on Lean-Burn Spark-Ignition Engine with Methanol/Ethanol—Gasoline Blend	Lecture Notes in Mechanical Engineering	2195-4356	0.15	International

5.8. Papers presented at National / International Journals:

S. No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Investigation on effects of ethanol blending on performance and combustion characteristics of gasoline fuelled lean burn SI engine	10 <sup>th</sup> International Conference on Combustion, Incineration/Pyrolysis, Emission and Climate Change	International	18 <sup>th</sup> -21 <sup>st</sup> , December, 2018
2	Investigation on effects of methanol blending on performance and combustion characteristics of gasoline fuelled lean burn SI engine	International Conference on Progress in Automotive Technology (ICPAT-2019)	International	07 <sup>th</sup> – 9 <sup>th</sup> , March, 2019
3	Experimental Investigation on Lean Burn Spark Ignition Engine Using Alcohol - Gasoline Blends	International Conference on Progress in Automotive Technology (ICPAT-2019)	International	07 <sup>th</sup> – 9 <sup>th</sup> , March, 2019

5.9. Sponsored research Projects: **Nil**

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed

5.10 Consultancy Projects: **Nil**

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed

**6. Awards / Honours received:**

**Best Oral Presentation Award** in 10<sup>th</sup> International Conference on Combustion, Incineration/ Pyrolysis, Emission and Climate Change, held at King Mongkut's University of Technology, Bangkok, Thailand. 18<sup>th</sup> - 21<sup>st</sup>, December 2018.

**Motto:** Always learn and share the knowledge to have better society.