

Name: Suresh Devunuri
Designation: Assistant Professor
Department: Automobile Engineering
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Experience (in years): Teaching: **5** 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 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
- Cordinator for Department Training and Placement 2017-2021
- Cordinator 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 27th July 2020 to 31st July 2020, as a Coordinator, VNRVJIET, Hyderabad.
2. One Day Online Webinar on “Future Mobility” on 20th June 2020 as a Coordinator, VNRVJIET, Hyderabad.

4.2 Attended:

Conferences:

1. National conference on Innovative Trends in Mechanical & Automobile Engineering (ITMAE-2016) held at MVSR Engineering College, Hyderabad, Telangana, 11 – 12th February 2016.

2. 10th International Conference on Combustion, Incineration/ Pyrolysis, Emission and Climate Change held at King Mongkut's University of Technology, Bangkok, Thailand. 18th - 21st, December, 2018.
3. International Conference on Progress in Automotive Technology (ICPAT-2019) held at VIT University, Vellore, 7th- 9th March 2019.

Workshops

1. TEQIP-II Sponsored National Workshop on Additive Manufacturing: Shaping the Future (Trends, Opportunities, Challenges & Applications), VNRVJIET, Hyderabad, 3rd -5th May, 2016.
2. A Two day workshop on Teaching and evaluating for 21st century VNRVJIET, Hyderabad, 3rd-5th May, 2016.
3. Five Day Short Term Training Program on Engineering Drawing Through AUTOCAD, VNRVJIET, Hyderabad, 11th -15th December, 2017.
4. One week QIP Short Term Course on E-Mobility and Innovations in Sheet Metal Forming, IIT Bombay, 16th - 20th July, 2018.
5. A Four Day Proficiency Improvement Programme on Electric Vehicles: Design, Validation and Certification, ARAI, Pune, 09th – 12th October 2018.
6. One-Week Online Faculty Development Program on “Emerging Research Areas in Mechanical Engineering” CMR Technical Campus, Hyderabad, 29th June to 03rd July 2020.
7. AICTE Sponsored Six Days Online Short-Term Training Programme on “Electric Vehicles: An Opportunity for India, Tamilnadu, 13th -18th July 2020.
8. Six days Faculty Development Programme on “Recent Innovations and Futuristic Scope for Research in Internal Combustion Engines”, Tamilnadu, 29th June to 04th July 2020
9. Five Day Online Faculty Development Program (FDP) on “Sustainable Mobility Solutions in the Indian Context”, Hyderabad, VNRVJIET, 27th -31st 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, 9th- 11th July 2015.
2. Three Days International webinar on “Autonomous Vehicle Technology in Digital Era” Hindustan College of Technology, Coimbatore 6th- 8th July 2020

3. Two-Day National Level Seminar on “Characterization and Machinability Studies of Metal Matrix Composites & Friction Stir Welding, Hyderabad, 26th -27th February 2021.

5. Academic Contribution and Research & Consultancy:

5.1 Invited Lectures:

- Delivered a lecture in Five Day Online Faculty Development Program (FDP) on “Sustainable Mobility Solutions in the Indian Context”, Hyderabad, VNRVJIET, 27th-31st 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 th International Conference on Combustion, Incineration/ Pyrolysis, Emission and Climate Change	International	18 th -21 st , 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 th – 9 th , 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 th – 9 th , 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 10th International Conference on Combustion, Incineration/Pyrolysis, Emission and Climate Change, held at King Mongkut's University of Technology, Bangkok, Thailand. 18th - 21st, December 2018.

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