

**VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING & TECHNOLOGY**  
**KNOWLEDGE ASSET 2023-2024**

**Name:** VENKATA RAMARAO MUTYALA

**Designation:** Assistant Professor

**Department:** Automobile Engineering

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**Experience (in years):**11.4    **Teaching:** 11.4

**Research:**    **Others (if any, specify):**

**1. Educational / Technical qualifications:**

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1.	B.Tech	2009	Mechanical Engineering
2.	M.E	2011	Automobile Engineering

**2. Teaching and Learning:**

- 2.1. **Teaching Interests:** Engineering Mechanics, Automotive Engines, Alternate Fuels, Engineering Drawing, Principles of Automobile Engineering, Automotive Pollution and Control
- 2.2. **Novel Teaching & Learning Techniques adopted:** WIT & WIL
- 2.3. **Involvement in curriculum updating / Design:** Special Purpose Vehicles

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

- 3.1. **Interests and Hobbies:** Green Revolutionary activities
- 3.2. **CCA/ECA Organized:** Upgradation of laboratory
- 3.3. **CCA/ECA participated:**
- 3.4. **Counselling and Mentoring Activity:** Mentor
- 3.5. **Committees involved in:**

Department level: In charge - Mini Project & Internships & Admission SPOC  
Institute Level:

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

**4.1 Conducted:**

1. Two-day National level Seminar on “Characterization and Machinability Studies of Metal Matrix Composites & Friction stir welding” during 26 – 27 February 2021
2. Two day workshop on “Electric Mobility and its Ecosystem” during 17<sup>th</sup> and 18<sup>th</sup> February 2020

3. Two day workshop on “Dynamic analysis using Adams/car” during 5<sup>th</sup> and 6<sup>th</sup> February 2018.
2. Guest Lecture on “Designing for Quietness” during 30<sup>th</sup> March 2017.
3. National Workshop on Automotive Pollution and Pollution Control (NWAPEC 2016) on 7<sup>th</sup> April 2016.
4. TVS Certification Workshop on Hybrid Vehicle and engine Management during 20<sup>th</sup> and 21<sup>st</sup> March 2015.

#### **4.2 Attended:**

1. 12 Week course Faculty Development Program on Introduction to Internet of Things organized by NPTEL-AICTE, Jan-April 2023.
2. 12 Week course Faculty Development Program on The Joy of computing using python organized by NPTEL-AICTE, July- October 2022.
3. One Week Faculty Development Program on Fuel powered, Hybrid Electric and Modern Vehicles” organized by Department of Automobile Engineering, VNR VJIET, Hyderabad, 19-24 July 2021
4. One Week online Faculty Development Program on “TECHNOLOGICAL ADVANCEMENTS IN MECHANICAL ENGINEERING, TAME-2020” organized by Department of Mechanical Engineering of Balaji Institute of Technology & Science, Laknepally, Narsampet, Telangana state, 29 June 2020 to 03 July 2020
5. One Day Faculty Development Program on “Research Methodolgy-Best Practices of Scientific Writing for High Impact Journals” Conducted by Santhiram Engineering College, Nandyal, 15<sup>th</sup> June 2020
6. 2-Day Online Workshop on “Additive Manufacturing “ conducted by Department of Mechanical Engineering, S.A Engineering College, Chennai, 15-16 May 2020
7. One Day Online National Workshop on “Python for Passionate Programmers” conducted by Department of CSE, SCSE, JAIN Deemed to be University, Bangalore, 10<sup>th</sup> May 2020.
8. 5-Day Faculty Development Program on “Design Thinking“ Conducted by CPADT, VNR VJIET, Hyderabad, 20 -25 January 2020.
9. 5-Day AICTE Training And Learning (ATAL) on “Artificial Intelligence” Conducted by IIIT Nagpur, 24-28 April 2020
10. 5-Day Faculty Winter Training Program on “Learning by doing Python “Conducted by CDC, VNR VJIET, Hyderabad, 18 -23 November 2019.
11. One week workshop on "Advanced Numerical Modeling Techniques “Conducted by Department of Automobile Engineering, VNR VJIET,Hyderabad, 27<sup>th</sup> -31<sup>st</sup> March 2017.

12. National workshop on “IC Engines & Alternate Fuels” Conducted by Department of Automobile Engineering, Sathyabama University, Chennai, February 8, 2013
13. Two day National level seminar cum Workshop on “Emerging Trends in alternative fuels and Automotive electronics”,held at Karpaga Vinayaga College of Engineering and Technology,Chennai,7th -8th, September 2012
14. Two day Workshop on “Recent trends and developments in engine management systems and alternative fuels” conducted by Department of Automobile Engineering, MIT Chennai, March 22-23, 2010
15. International conference on “Advances in Industrial engineering applications”, conducted by Department of Industrial Engineering, Anna University, Chennai, 6-8, Jan 2010.

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

**5.1. Invited Lectures:** NA

**5.2. Articles / Chapters published in Books:** NA

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

**5.4. Projects Guided:**

a) UG: 10

b) PG: NA

**5.5. Research Interests:** Alternative Fuels

**5.6. Ph.D students :**

a) Enrolled : NA

b) Submitted : NA

c) Awarded: NA

**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	Influence of Stainless Steel Metal Strip over Piston Crown on the Performance and Emission Characteristics of a Single Cylinder Four Stroke Di Diesel Engine	International Journal of Applied Engineering Research, Volume 9-Number-22, pp57-69,2014	ISSN 0973-4562		International

2	Turning of AISI 4130 alloy steel using vegetable oil based cutting fluid by minimum quantity lubrication	International Journal of Applied Engineering Research, Volume 10-Number-3,pp6089-6101,2015	ISSN 0973-4562		International
3	Reduction of accident fatalities and injuries in frontal collision of a passenger (SUV) car travelling at high speed	International Journal of Applied Engineering Research, Volume 10-Number-2, pp5117-5124, 2015	ISSN 0973-4562		International
4	Investigation on mechanical properties of natural fiber-polymer composite materials	ELESEVIER: MaterialToday: Proceedings, 2020	ISSN:2214-7853		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 injection pressure and Injection Timing in performance and emission characteristics in DI engine using Blend of Methyl Esters of Jatropa	National conference on current trends in chemical and biochemical engineering (CTCAB-2011)	National	January 20-21,2011

#### 5.9. Sponsored research Projects: NA

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed

**5.10 Consultancy Projects: NA**

<b>S.No</b>	<b>Title</b>	<b>Agency</b>	<b>Period</b>	<b>Sanctioned Amount</b>	<b>Ongoing / Completed</b>

**6. Awards / Honors received: NIL**

**7. Motto:** When educating the minds of our youth, we must not forget to educate their hearts