


Profile

Dr.J Venkatesu Naik Assistant Professor (Senior) Department of Mechanical Engineering School of Engineering and Technology Sri Padmavati Mahila Visvavidyalayam Tirupati – 517502	Contact: +91 9052002521 Email: jatrothurahul@gmail.com	
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Academic Qualifications:

Class	Board/University	Year of Passing	Specialization/Area
Ph.D.	Acharya Nagarjuna University, Guntur	2019	Thermal Engineering
M.Tech.	Sri Venkateswara University, Tirupati	2010	Energy Management
B.Tech.	Jawaharlal Nehru Technological University,Hyderabad,	2006	Mechanical Engineering
D.M.E.	S.O.T.E.&T.	2001	Mechanical Engineering

Ph. D Thesis Title:	Effect Of Metal And Metal Oxide Nanoparticles On Performance And Emissioncharacteristics Of Diesel Engine.
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Total Experience: 15 + years

Organization	Position	From	To	No. of Years
Shine Engineering Industry	Supervisor	June 2004	June 2008	4
Chadalawada Venkata Subbaiah College Of Engineering &Tecnology,Tirupati.	Assistant Professor	October 2010	August 2011	1
Mother Theresa Institute of Engineering &Technology,Palamaneru	Assistant Professor	August 2007	May 2008	1
St.Johns college of Engineering and technology ,Yemmiganur	Assistant Professor	July 2012	April 2013	1
Chadalawada Ramanamma Engineering College, Tirupati.	Assistant Professor	July 2013	September 2015	2
Sri Padmavati Mahila Visvavidyalayam,	Assistant	September	Till	6

Tirupati	Professor (Senior)	mber 2015	date	
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List of Subjects Taught:

Engineering Graphics;Engineering Drawing; Refrigeration Air Conditing: Elements of Mechanical Engineering;Fluid Mechanics and Hydraulics Machinery; Heat Transfer; Basic Thermodynamics; Non-Conventional Source of Energy: Strength of Materials;

Areas of Research Interest:

- I C Engine
- Nano Fluid
- Heat Transfer
- New and Renewable Energy sources

Number of Ph.D scholars Registered : Nil

Number of PG Projects Guided : 3

Number of UG Projects Guided : 10

Faculty Research Publications:

- JAYAKIRAN REDDY E, RAJENDRA D & VENKATESU NAIKJ(2020)DEVELOPING AN AUTOMATION SYSTEM FOR GENERATING THE CAD MODEL OF SPUR GEAR:International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) ,Volume 10,Issue 3, pp 849-8488. <http://www.tjprc.org/publishpapers/2-67-1597818362-806IJMPERDJUN2020806.pdf>
- **J. Venkatesu Naik,K. KiranKumar,S. VenkataSaiSudheer,Mahesh Pallikonda(2019)The Effect of Diesel and Biodiesel Blends on CI Engine Performance and Emission Characteristics: Advances in Applied Mechanical Engineering: https://doi.org/10.1007/978-981-15-1201-8_34**
- **J Venkatesu Naik, (2018). The Performance And Emission Characteristics Of A CI Engine Using The Diesel,Biodiesel,Ethanol And Nanodiesel: Asian journal of Science and Technology, Vol. 09, Issue, 03, pp.7714-7717.**
- **J Venkatesu Naik, K Kiran Kumar (2018). Performance And EmissionCharacteristics Of Diesel Engines With Al₂O₃ And CuO Nanoparticles As Additives,IJMET, Volume 9, Issue 2, pp. 791–798. *A Scopus Indexed Journal***
- Jayakiran Reddy Esanakula, **J. Venkatesu Naik, D. Rajendra and V. Pandu Rangadu (2018). Online Knowledge-Based System for CAD Modeling and Manufacturing:An Approach** Advances in Intelligent Systems and Computing 910, https://doi.org/10.1007/978-981-13-6095-4_19.
- Dr. B. Vishali, **J. Venkatesu Naik (2017). The Thermal Performance of Earth Air Heat Exchanger, Research Journal of Science and Technology,Vol 9,Issue 4,pp.635-638**

- D. Lydia Mahanthi, **J. Venkatesu Naik**, B. Mohan (2017). **Design And Numerical Analysis Of A Four Wheeler Disc Brake Using Catia And Ansys**, International Journal of Core Engineering & Management, Special Issue, pp.327-232
- Poondla.Chiranjeevi, **J.Venkatesu Naik** (2014). **Design of Closed Loop Electro Mechanical Actuation System**, International Journal of Computational Engineering Research, Vol, 04, Issue1, pp.49-5

List of Events (Conferences/Seminars/Workshops/FDPs/Training Programs/...) attended: 13

S.No.	Name of the Event	Organized by	Date	Number of Days
1	1 St International Conference on Applied Mechanical Engineering Research (ICAMER'19)	NITW, Warangal	2 nd – 4 th May 2019	2
2	International Conference on Recent Advances in Material, Manufacturing & Energy Systems	Velagapudi Ramakrishna Siddhartha Engineering college	3 rd – 4 th Jan 2019	2
3	Recent Trends in Applications of Mathematics to Science and Technology (NCRTAMST)	Sri Padmavati Mahila Visvavidyalayam-Tirupati	28 – 29 th June 2017	2
4	National Conference on “Emerging Trends in Mechanical Engineering: Challenges & Innovations”	St.Johns College of Engineering & Technology, Yemmiganur	17 March 2017	1
1	Descant based dehumidification & cooling system	Sreenidhi institute of science & Technology -Hyderabad	19 May 2020	1
2	Automotive Structures Design Using CATIA	Andhra Pradesh skill Development Corporation	30 April to 02 May 2020	3
3	Practical aspects of Finite Analysis Using ABAQUS	Andhra Pradesh skill Development Corporation	18-24 April 2020	7
4	Programme for building rural resilience	Sri Padmavati Mahila Visvavidyalayam-Tirupati	04-8 Dec 2019	5
5	Rural Immersion and Community Engagement	Sri Venkateswara Veterinary University, Tirupati.	19 -23 August 2019	5
6	Assessment and Evaluation under Outcome Based Education	National institute of technical teachers training and research, Kolkata	10-14 June 2019	5

7	Short Term Training Programme Through ICT Mode on NBA Accreditation	National institute of technical teachers training and research, Kolkata	22- 26 April 2019	5
8	Faculty Development Programme (FDP) in Entrepreneurship Development	National Institute for Micro,Small and Medium Enterprises	03- 15 December 2018	13
9	“Solar and Wind Energy – Future Technologies”	JNTUA College of Engineering,Ananthapuramu	12 th to 24 th Nov.2018	13
10	Computational Research Techniques in Design and Thermal Engineering (CRT 2013)	National Institute of Technology Warangal	7 – 11 August2013	5
11	International Workshop on “Role of Material Science in Engineering and Medicine”	Krishna Theja Technical Campus ,Tirupati.	1 – 2, Oct 2013	2
12	National Level Workshop on “Computational Fluid Dynamics”	Sree Vidyanikethan Engineering College,Tirupati.	11- 12 April 2014	2
13	“Educational Administration Leadership”	SPMVV,Tirupati	18 &19 March,2016	2

TPC Members/ Reviewers:

S.No.	Name of the Event	Organized by	Date
1	Fourth International Symposium on Intelligent System Technologies and Applications	PES Institute of Technology (South Campus), Bangalore, India	September 19-22, 2018
2	Current Journal of Applied Science and Technology		
3	Chemical Science of International Journal		

Administrative Experience:

- Co-Ordinator ,Dept. Of Mechanical Engineering. (2016-2017)