

Name of Faculty N.VENKATESWAR RAO  
 Designation Assistant Professor  
 Nature of Job/Appointment Regular  
 Date of Joining 21 – 08 - 2006  
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Education Qualifications	Name of the Degree	Class
Ph. D	Pursuing at O.U.	----
PG	M. E. (CAD/CAM)	First Class
UG	A.M.I.E.(MECH)	Second class

Work Experience

Teaching	14 Years
Research	02 years
Industry	--
Others	--

Area of Specialization CAD/CAM

Professional Memberships Associate Member in The Institution of Engineers(India)

Responsibilities held at Institution Level --

Responsibilities held at Department Level

1. Member, Informatics Committee
2. Member, Result analysis Committee
3. In charge Metrology & Instrumentation Lab

Research Guidance --

Awards Received --

Courses Handled at Under Graduate / Post Graduate Level.

Metrology & Instrumentation, Product design & Process planning, Principles of Entrepreneurship, Thermodynamics, Workshop practice, Kinematics of Machinery Tutorials, Elements of Mechanical Engineering Engineering Graphics, , Computer aided mechanical design and analysis

No. of Papers Published

National Journals – 01 International Journals – 10  
 National Conference – 01 International Conference –

Projects Carried out --

Patents --

Technology Transfer --

Invited Speaker --

No. of Books/Chapter Published with details --

Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops.Other Trainings (Attended and/or Organized).

1. Participated in the Online AICTE Recognized Faculty Development Programme (One Week) on "Material processing and optimization" organized by NITTTR, Chandigarh from 06.07.2020 to 10.07.2020.
2. Completed an online 7 week non-credit course "Ferrous Technology II" authorized by Pohang University of Science and Technology and offered through Coursera on 04-07-2020
3. Participated in the Online AICTE Recognized Faculty Development Programme (One Week) on "Accreditation of Engineering programmes" organized by NITTTR, Chandigarh from 26.06.2020 to 03.07.2020
4. Participated in the Online AICTE Recognized Faculty Development Programme (One Week) on "Management of small and medium enterprises" organized by NITTTR, Chandigarh from 22.06.2020 to 26.06.2020
5. Participated in the online One week FDP on "Industry 4.0- A Vision of Design & Manufacturing", organized by CBIT(A), Hyderabad during 16/06/2020 to 20/06/2020.

6. Participated in the Online AICTE Recognized Faculty Development Programme (One Week) on "Waste Management" organized by NITTTR, Chandigarh from 08.06.2020 to 12.06.2020,
7. Participated in the Online AICTE Recognized Faculty Development Programme (One Week) on "Outcome Based Curriculum Design" organized by NITTTR, Chandigarh from 01.06.2020 to 05.06.2020,
8. Completed an online 5 week non-credit course "Design Thinking for Innovation" authorized by University of Virginia offered through Coursera, on 30-05-2020
9. Participated in the Two day Online STC on "New Product Development & Computer Aided Quality", organized by MSME TDC (PPDC), Agra ,during 29/05/2020 to 30/05/2020.
10. Participated in the Online AICTE Recognized Faculty Development Programme (One Week) on "Computer Integrated Manufacturing & CNC (CIM/CNC)" organized by NITTTR, Chandigarh from 25.05.2020 to 29.05.2020,
11. Participated in the Online AICTE Recognized Faculty Development Programme (One Week) on "Social Entrepreneurship for Technical Entrepreneurs" organized by NITTTR, Chandigarh from 18.05.2020 to 22.05.2020
12. Participated in the online One week FDP on "Artificial Intelligence" organized by Santhiram Engineering College, Nandyal-A.P from 13.05.2020 to 17.05.2020,
13. Completed an online 4 week non-credit course "Mechanics of materials-1" authorized by University of Georgia Institute of Technology offered through Coursera, on 14-05-2020
14. Completed an online 4 week non-credit course "How to publish and write Scientific paper (Project-centered Course)" authorized by University of Ecole Polytechnique offered through Coursera, on 10-05-2020
15. Completed an online 4 week non-credit course "Ferrous Technology I" authorized by Pohang University of Science and Technology and offered through Coursera on 07-05-2020
16. Participated in the Online AICTE Recognized Faculty Development Programme (One Week) on "Strategic Planning for Entrepreneurship Promotion" organized by NITTTR, Chandigarh from 04.05.2020 to 08.05.2020,
17. Participated in the IIC Online Sessions conducted by Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi from 28th April to 22nd May 2020.
18. Completed an online 5 week non-credit course "Materials Science: 10 Things Every Engineer Should Know" authorized by University of California, Davis and offered through Coursera on 30-04-2020
19. Participated in the Short Term Course on Engineering Research Methodology 18-22 June 2018 Organized by UCE Osmania University
20. Co-coordinator for A One-Week Faculty Development Programme on "Finite Element Applications in Mechanical & Civil Engineering(FEAMCE-17)", at Department of Mechanical Eng. C.B.I.T., Hyderabad, during 23-01-2017 to 28-01-2017.
21. Participated in the One Week Workshop on "Computational Fluid Sciences" at Department of Mechanical Engineering, C.B.I.T, Hyderabad, during 06-04-2016 to 13-04-2016.
22. Participated in the Two Day International conference on "Technological Innovations In Mechanical Engineering" at Department of Mechanical Engineering, C.B.I.T, Hyderabad, during 10-02-2016 to 11-02-2016.
23. Participated in the National conference on "Engineering Materials, Energy and Environment", at Department of Physics. C.B.I.T., Hyderabad, during 24-04-2015 to 25-04-2015.
24. Participated in the Two-Week AICTE Sponsored Faculty Development Programme on "Finite Element Analysis And Practices Through ANSYS", at Department of Mechanical Eng. C.B.I.T., Hyderabad, during 17-03-2014 to 29-03-2014.
25. Participated in the Three-Week UGC Sponsored Refresher Course, on "Recent Advances in Thermal Engineering and their applications", at UGC -Academic Staff College, JNTU. Hyderabad, during 04-11-2013 to 25-11-2013
26. Participated in the Four-Week UGC Sponsored Orientation Course, at UGC -Academic Staff College, Osmania University.

- Hyderabad, during 03-06-2013 to 01-07-2013
27. Participated in the National conference on "Recent Advances In Mechanical Engineering", at U C E, Osmania University. Hyderabad, during 16-03-2012 to 17-03-2012.
  28. Participated in the Two Day Workshop on "Nano technology and its applications", at C.B.I.T, MED, Hyderabad, during 27-02-2012 to 28-02-2012.
  29. Participated in the Two-Week Workshop on "Heat Transfer" Conducted by IIT Bombay, ICT(MHRD), during 29-11-2011 to 10-12-2011.
  30. Participated in the One Week In-House Training Program on "Effective Teaching Methodology", at C.B.I.T. Hyderabad, during 25-06-2007 to 30-06-2007.

Details of Journal Publications/  
Conferences (National and  
International)

**International Journal**

1. N.Venkateswara Rao, & M.V.S.Murali Krishna, Control of Exhaust Emissions In Catalytic Activated SI Engine With Induction of Magnetism International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)ISSN (P): 2249-6890; ISSN (E): 2249-8001Vol. 10, Issue 3, Jun 2020, 1273-1280. (Scopus index journal).
2. N.Venkateswara Rao, M.V.S.Murali Krishna, R.Peraiah Chowdary, N.Janardhan, V.V.R.Seshagiri Rao and T.Ratna Reddy (2018), Experimental investigations on pollution levels from supercharged partially adiabatic diesel engine with tamarind biodiesel blended with diethyl ether, Pollution Research, ISSN: : 0257-8050, December, 37(4),235-240. (Scopus index journal)
3. Maddali V. S. Murali Krishna<sup>1</sup>, M. Basava Omkar Swamy<sup>1</sup>, G. H. Manjunath<sup>1</sup>, N. Venkateswara Rao<sup>1</sup>, Battula Sreedhara Rao<sup>2</sup> and P. V. Krishna Murthy<sup>3</sup> Heat Transfer Enhancement in Corrugated Plate Heat Exchanger British Journal of Applied Science & Technology 18(3): 1-14, 2016; Article no.BJAST.28438 ISSN: 2231-0843, NLM ID: 101664541 Science domain international
4. N. Venkateswara Rao, (2015). Studies on Exhaust Emissions of Direct Injection with Different Low Heat Rejection Combustion chambers Fuelled with tobacco seed oil biodiesel. International Journal of Current Engineering and Technology, ISSN: 2247-5161, Vol(5), No.1 90-96 (Feb 2015)
5. N. Venkateswara Rao, M.V.S. Murali Krishna and P.V.K. Murthy. (2013). comparative studies on exhaust emissions and combustion characteristics of tobacco seed oil in crude form and biodiesel form in direct injection diesel engine. International Journal of Mechanical and Production Engineering Research and Development, ISSN: 2249-6890, 3(4), 125-138. (Impact factor=5.2)
6. N. Venkateswara Rao, M.V.S. Murali Krishna and P.V.K. Murthy. (2013). Comparative studies on performance of tobacco seed oil in crude form and biodiesel form in direct injection diesel engine International Journal of Automobile Engineering Research & Development, ISSN:2277-4785, 3(4),57-72. (Impact factor=4.87)
7. N. Venkateswara Rao, M.V.S. Murali Krishna and P.V.K. Murthy. (2013). Effect of injector opening pressure and injection timing on performance parameters of high grade low heat rejection diesel engine with tobacco seed oil based biodiesel. International Journal of Current Engineering & Technology, ISSN: 2277-4106, 3(4), 1401-1411. (Impact factor=2.55)
8. N. Venkateswara Rao, M.V.S. Murali Krishna and P.V.K. Murthy. (2013). Effect of injector opening pressure and injection timing on exhaust emissions and combustion characteristics of high grade low heat rejection diesel engine with tobacco seed oil based biodiesel. International Journal of Recent Technology and Engineering, ISSN: 2277-3878, 2(4), 70-79. (Impact Factor=1.0)
9. N. Venkateswara Rao, M.V.S. Murali Krishna and P.V.K. Murthy. (2013). Comparative studies on exhaust emissions and combustion characteristics of ceramic coated diesel engine with tobacco seed oil based biodiesel, International Journal of Advanced Scientific & Technical Research, 3(5), ISSN: 2249-9954, 3(5), 334-349. (Impact Factor=2.96)
10. N. Venkateswara Rao, M.V.S. Murali Krishna and P.V.K. Murthy. (2013). Investigations on performance parameters of ceramic coated diesel engine with tobacco seed oil biodiesel International Journal of Engineering and Technology, ISSN: 2231-1963, 6(5), 2286-2300. (Impact Factor=1.05)

**National Journal**

1 Dr. Sri Rama Krishna A A, 2 Dr. Chennakesava Rao B, 3Venkateswara Rao N, 4Siva Priya A and 5Anusha Investigations on Machinability Characteristics of AL/SIC Metal Matrix Composites Using Sinking EDM process *Manufacturing Technology Today*, Vol. 16, No. 3, March 2017 VOLUME 16 ISSUE 03 MARCH 2017

**National Conferences**

E. Veera Pratap, N. Venkateswara Rao Proceedings of the 4<sup>th</sup> National Conference on Advances in Mechanical Engineering IMPACT OF INVENTORY POLICIES IN SUPPLY CHAIN PERFORMANCE November 7-8, 2013, VCE, Ibrahimbagh, Hyderabad, AP, India AIM 2013