

Name of Faculty N.VENKATESWARA RAO
 Designation Assistant Professor
 Nature of Job/Appointment Regular
 Date of Joining 21 – 08 - 2006
 E-mail venkateshwarrao_mech@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy	Pursuing
PG	M. E. (CAD/CAM)	First Class
UG	A.M.I.E.(MECH)	Second class

Work Experience

Teaching	17 Years (Includes research experience)
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 – 19

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. Completed in One week FDP "Quality Education through OBE" organized by CBIT from 22.01.2024 to 27.01.2024
2. Completed in One week AICTE ATAL FDP "IoT and Sensor design for Industry 5.0" organized by CBIT from 18.12.2023 to 23.12.2023
3. Completed in One month summer internship Programme "Python,Image processing using Open CVand innovative projects" organized by CBIT from 19.06.2023 to 14.07.2023
4. Completed in One week AICTE IDEA LAB FDP "Digital Manufacturing and IOT based Proto Type Development" organized by CBIT from 24.04.2023 to 28.04.2023
5. Participated in the Five day Management Development programme MSME, Govt of India on "Establishment Management of Business incubators" organized by MSME Yousufguda from 14.03.2023 to 18.03.2023
6. Completed FDP on " Establishment and Management of Business Incubators", organized by NI-MSME, Hyderabad

during 10/03/2022 to 12/03/2022

7. Participated in the Five day SERB online International Workshop on "Recent Advances in Modelling Analysis of porous material" organized by National Institute of Technology ,Karnataka,Suratkal from 28.02.2022 to 04.03.2022
8. Participated in the Five day SERB online International Workshop on "Recent Advances in Manufacturing processes For Industrial Applications!" organized by National Institute of Technology ,Karnataka,Suratkal from 21.02.2022 to 25.03.2022
9. Completed one month Online internship in "Research training", organized by MSME TDC (PPDC), Agra ,during 05/07/2021 to 05/08/2021
10. Participated in the Online AICTE Recognized Faculty Development Programme (One Week) on "CAD/CAM and Rapid Prototyping Technologies (CAD/CAM & RPT)" organized by NITTTR, Chandigarh from 27.07.2020 to 31.07.2020
11. Participated in the Online AICTE Recognized Faculty Development Programme (One Week) on "Evaluation and Setting Question Papers " organized by NITTTR, Chandigarh from 20.07.2020 to 24.07.2020
12. Participated in the Online AICTE Recognized Faculty Development Programme (One Week) on "Engineering Optimization" organized by NITTTR, Chandigarh from 13.07.2020 to 17.07.2020
13. 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.
14. 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
15. 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
16. 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
17. 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,
18. 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
19. 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,
20. Completed an online 5 week non-credit course "Design Thinking for Innovation" authorized by University of Virginia offered through Coursera, on 30-05-2020
21. 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.
22. 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,
23. 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
24. 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,
25. 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



26. 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
27. 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
28. Participated in the Online AICTE Recognized Faculty Development Programme (One Week) on "Strategic Planning for Entrepreneurship Promotion" organized by NITTTTR, Chandigarh from 04.05.2020 to 08.05.2020,
29. 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.
30. 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
31. Participated in the Short Term Course on Engineering Research Methodology 18-22 June 2018 Organized by UCE Osmania University
32. 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.

Details of Journal Publications/
Conferences (National and
International)

International/ National Journals from the Year 2017

1. N. Venkateswara Rao¹, M.V.S. Murali Krishna^{2*} and P. Usha Sri³, Heat Transfer Characteristics with Cottonseed biodiesel on corrugated Heat Exchanger, International Journal of Mechanical Engineering & Technology (IJMET), ISSN Print: 0976-6340 and ISSN Online: 0976-6359; Vol. 13, Issue 2, Feb 2022, 1-5.
2. N. Venkateswara Rao¹, M.V.S. Murali Krishna^{2*} and P. Usha Sri³, Heat Transfer Characteristics with Effect of Viscosity of Newtonian Fluids & Corrugation Angle of Corrugated Heat Exchanger, International Journal of Engineering Research & Technology (IJERT), ISSN(P): 2278-0181; Vol. 11, Issue 2, Feb 2022, 261-266.
3. N. Venkateswara Rao, M. V. S. Murali Krishna, CONTROL OF EXHAUST EMISSIONS OF CI ENGINE International Journal of Mechanical and Production Engineering Research and Development (JMPERD), ISSN(P): 2249-6890; ISSN(E): 2249-8001 Vol. 11, Issue 3, June 2021, 195-200.
4. N. Venkateswara Rao, M. V. S. Murali Krishna, Ch Indira Priyadarshini & Y. Nagine, COMPARATIVE STUDIES ON CONTROL OF EMISSIONS OF TWO STROKE AND FOUR STROKE SPARK IGNITION ENGINES International Journal of Mechanical Engineering and Technology (IJMET), ISSN Print: 0976-6340 and ISSN Online: 0976-6359 Vol. 12, Issue 2, Feb 2021, 41-50. (Scopus index journal)
5. 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 (JMPERD) ISSN (P): 2249-6890; ISSN (E): 2249-8001 Vol. 10, Issue 3, Jun 2020, 1273-1280. (Scopus index journal).
6. 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 2018, 37(4), 235-240. (Scopus index journal)
7. Maddali V. S. Murali Krishna¹, M. Basava Omkar Swamy¹, G. H. Manjunath¹, N. Venkateswara Rao¹, Battula Sreedhara Rao² and P. V. Krishna Murthy³ 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
8. Dr. Sri Rama Krishna A A, 2 Dr. Chennakesava Rao B, 3 Venkateswara Rao N, 4 Siva Priya A and 5 Anusha 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