

CURRICULUM VITA



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PROFILE

- Graduated (B.E, Production) from Adhiyamaan College of Engineering (Madras University), Hosur, in 2001.
- Master of Technology (production) from V.R. Siddhartha Engineering College (Nagarjuna University), Vijayawada, in 2006.
- Ph.D (Aluminium Metal Matrix Composites) from Andhra University, Visakhapatnam, June 2017.
- Working as Associate Professor in the Department of Mechanical Engineering, R.V.R. & J.C. College of Engineering, Chowdavaram since 2018.
- Worked as Assistant Professor in the Department of Mechanical Engineering, R.V.R. & J.C. College of Engineering, Chowdavaram, in 2008-2018.
- Worked as a lecturer in the Department of Production Engineering, V.R. Siddhartha Engineering College, Kanuru, in 2007-2008
- Worked as Assistant Professor in the Department of Mechanical Engineering, Vignan's Engineering College, Vadlamudi, in 2001-2007.

PROFESSIONAL SOCIETIES

- ☞ Senior Member of IRED
- ☞ Life Member of IAENG
- ☞ Life Member of IEINDIA
- ☞ Life Member of SCIEI

ADMINISTRATIVE EXPERIENCE

- Worked as a member of Examination cell in Vignan's Engineering College, Vadlamudi.
- Worked as a In-charge of Time Tables in Vignan's Engineering College , Vadlamudi
- Worked as a Class In-Charge at V.R. Siddhartha Engineering College, Vijayawada.
- Worked as a Class In-Charge at R.V.R & J.C College of Engineering, Guntur.
- Worked as a internal examination member at R.V.R & J.C College of Engineering, Guntur.
- Working as member of literary & cultural committee at R.V.R & J.C College of Engineering, Guntur.
- Working as member of ISTE student chapter committee at R.V.R & J.C College of Engineering, Guntur.
- Working as member of innovation and incubation centre at R.V.R & J.C College of Engineering, Guntur.

Ph.D GUIDANCE

No. of Students working: 1

RESEARCH PAPERS PUBLISHED

1. C.Tara Sasanka ,**V.RamaKoteswara Rao**, K.Ravindra, Ch. Tirumala rao “ *Prediction of transient response of isotropic and laminated cylindrical shells using ANN* ”, International Journal of Technological synthesis and Analysis, Vol 1 Issue 1 December 2012, Pp:1-6. ISSN: 2320-2386 (2011-2012)
2. **V.Ramakoteswara Rao**, N.Ramanaiah and M.M.M.Sarcar, “*Fabrication and Investigation of Reinforced Al7075 Metal Matrix Composites*”, journal of applied Mechanics and Materials, vols.592-594(2014), pp 349-353, in Trans Tech Publications, Switzerland.
3. **V.Ramakoteswara Rao**, N.Ramanaiah and M.M.M.Sarcar, “*Tribological properties of Aluminium Metal Matrix Composites (AA7075 Reinforced with Titanium Carbide (TiC) Particles)*”, International Journal of Advanced Science and Technology, Vol.88 (2016), pp.13-26.
4. **V.Ramakoteswara Rao**, *J.Rangaraya Chowdary et.al.*,” *A Review on Properties of Aluminium Based Metal Matrix Composites via Stir Casting*”, *International Journal of Scientific & Engineering Research*, Vol. 7, Issue 2, February-2016,pp.742-749.
5. **V.Ramakoteswara Rao**, N.Ramanaiah and M.M.M.Sarcar ,”*Dry sliding wear behavior of TiC - AA7075 Metal Matrix Composites*”, *International Journal of Applied Science and Engineerig*,2016.
6. **V.Ramakoteswara Rao**, N.Ramanaiah and M.M.M.Sarcar,” *A Review on Mechanical and Tribological Properties of Metal matrix Composites*”, *Journal of Polymer & Composites*, 2016.
7. **V.Ramakoteswara Rao**, N.Ramanaiah and M.M.M.Sarcar, “*Mechanical and tribological properties of AA7075-TiC metal matrix composites under heat treated (T6) and cast conditions*”, *Journal of Materials Research and Technology*, vol.5 (4), pp 377-383, 2016.
8. **V.Ramakoteswara Rao**, N.Ramanaiah and M.M.M.Sarcar, “*Optimization of volumetric wear rate of AA7075-TiC metal matrix composite by using taguchi technique*” *Jordan Journal of Mechanical and Industrial Engineering*, Vol.10(3), PP 189-198, September.2016 ISSN 1995-6665.

9. **V.RamakoteswaraRao, M. Srinivasa Rao, N.Ramanaiah M.M.M.Sarcar, and G.Kartheek,** “*Optimization of Process Parameters for Minimum Volumetric Wear Rate on AA7075-TiC Metal Matrix Composite*” International Journal of Automotive and Mechanical Engineering, Vol. 13(3), pp.3669-3680, 2016.
10. **V.Ramakoteswara Rao, J.Rangaraya Chowdary and S.P. Kumar Gudapati,** “Fabrication and Investigation on Mechanical Properties of (AA7075/ Cr₃C₂) Metal Matrix Composites”, Material Today Proceedings, 2019, [10.1016/j.matpr.2019.05.397](https://doi.org/10.1016/j.matpr.2019.05.397).

Papers Published/Presented:

1. “*A Numerical Simulation and Turbulence of a Butterfly valve*”, Proceedings of National Conference of Recent Advances in Mechanical Engineering (NCRAME-2011) organized by R.V.R & J.C College of Engineering, Guntur during 7-8 July 2011. Pp:512-519.
2. Presented a paper entitled “*Fabrication and characterization of Stir casting TiC Reinforced Aluminum (AL7075) Metal Matrix Composites*” during National conference on “latest innovations in mechanical engineering (LIME-2013) at Andhra University, vizag on 28th April, 2013.
3. Presented a paper entitled “*Fabrication and Investigation of Reinforced Al7075 Metal Matrix Composites*” in the International Mechanical Engineering Congress-2014 Organized by National Institute of Technology, Tiruchirappalli, Tamilnadu, during 13-15, June 2014.
4. Presented a paper entitled” **Dry Sliding Wear Behavior of Al7075 Reinforced with Titanium Carbide (TiC) Particulate Composites**” in the International conference on Advances in Materials, Manufacturing and Applications (AMMA-2015), Organized by National Institute of Technology, Tiruchirappalli, Tamilnadu, during 9-11, April 2015.
5. Presented a paper entitled “**Application of Grey-Taguchi Technique for Optimization of Process Parameters for wear behavior on AA7075-TiC metal matrix composites**” in the 6th International and 27th All India manufacturing technology, Design and Research conference (AIMTDR-2016), Organized by Pune College of Engineering, Pune, Maharashtra , during 16-18, December 2016.
6. Presented a paper entitled “**Fabrication and Investigation on Mechanical Properties of (AA7075/Cr₃C₂) Metal Matrix Composites**” in the International conference on recent advances in materials, manufacturing and energy systems. Organized by V. R. Siddhartha Engineering College, Kanuru, Vijayawada, during 3-4, January 2019.
7. Presented a scientific paper “**Review on Recent Developments in Mechanical and Tribological Properties of AMMCs**” in the 4th International Conference on “Nanotechnology for Better Living ICNBL-2019 IIT Kanpur”, jointly organized by IIT Kanpur, NIT Srinagar, CSJM University, and HBTU, Kanpur, during April 06-07 2019.
8. Presented a paper entitled “**Mechanical behavior of TiB₂ particle reinforced AA7075 Metal Matrix Composites**” in the 2nd Virtual national Conference on “Advancement in Materials Processing Technology- AMPT-2020”, organized by NIT Jamshedpur, during 31st October to 2nd November 2020.

Workshops/Seminars/Conferences attended :

1. AICTE Sponsored National Seminar on “*MICRO MACHINING*” organized by R.V.R & J.C College of Engineering, Guntur during 19-20 December 2008.
2. Short Term Course on “*COMPUTATIONAL MECHANICS*” organized by P.V.P Siddhartha Institute of Technology, Vijayawada during 18-22 May, 2009.
3. Participated in “*INDUCTION TRAINING FOR YOUNG FACULTY*”, sponsored by ISTE Chapter of R.V.R & J.C College of Engineering, Guntur during 7-8 September 2009.

4. AICTE Sponsored National Seminar on “INTERACTIVE WORKSHOP & TECHNOLOGY APPRECIATION SEMINAR ON MECHATRONICS APPLICATIONS” organized by V.R. Siddhartha Engineering College, Vijayawada during 5-6 August 2010.
5. AICTE Sponsored Two week staff development programme on “MACHINE CONDITION MONITORING AND FAULT DIAGNOSTICS” during 25th June-7th July, 2012 at V.R. Siddhartha Engineering College, Vijayawada.
6. AICTE Sponsored short term course on “ROBOTICS:MECHANICS,CONTROL,SENSING,VISION AND INTELLIGENCE” ORGANIZED BY PRECISION ENGINEERING AND INSTRUMENTATION LABORATORY, Department of Mechanical Engineering, at I.I.T.Madras, from 14th to 18th January, 2013.
7. Training programme on “CNC MILLING (XLMILL), FMS&AGV” at MTAB Technology Centre, Chennai, from 18/03/2013 to 20/03/2013.
8. National conference Supported by TEQIP-11, on “LATEST INNOVATIONS IN MECHANICAL ENGINEERING (LIME2013), at Andhra University, Vizag on 28th April, 2013.
9. Two day National workshop on “RECENT ADVANCES IN WELDING METALS (RAWM-2013), at Andhra University, Vizag, on 29th -30th April, 2013.
10. AICTE Sponsored two week faculty development programme on “MODELING AND OPTIMIZATION OF MANUFACTURING SYSTEM USING INTELLIGENT TECHNIQUES” at Bannari Amman Institute of Technology, Satyamangalam, Tamil Nadu, during 6th May-18th May 2013.
11. DST Sponsored “INTERNATIONAL WORKSHOP ON ADVANCED & INTEGRATED ENERGY SYSTEMS AND ENERGY CONSERVATION (AIESEC)” held at Vignana University on 29th & 30th July, 2013.
12. DST sponsored National Seminar on “FUTURISTIC TRENDS OF NANOCOMPOSITES AND THEIR FABRICATION (FTNCF-2013)” organized by R.V.R & J.C College of Engineering, Guntur during 6-7th September, 2013.
13. AICTE Sponsored two day national seminar on “ADVANCES IN BIOMATERIALS FOR MEDICAL APPLICATIONS (ABMA-2014)” organized by R.V.R & J.C College of Engineering, Guntur during 14-15th March 2014.
14. TEQIP short term course on “Advances in welding and Joining Technologies” organized by Department of Mechanical Engineering & Knowledge Incubation cell, held during 29-31, 2014 at Indian Institute of Technology, Guwahati, Assam, India.
15. A 6-day Faculty Improvement Program on “Autodesk Nstran In-CAD Pre Training” organized by EDS Technologies in association with Andhra Pradesh State Skilled Development Corporation (APSSDC), held during 28th Nov to 03rd Dec 2016 at Madanepalle Institute of Technology & Science, Madanepalle, Andhra Pradesh, India.
16. AICTE approved Four-Week Faculty Development Programme (FDP) on “Use of ICT in Education for Online and Blended Learning” conducted by Indian Institute of Technology Bombay from May 2nd, 2016 to July 10th, 2016 and is conferred an “Award of Excellence” sponsored by SAP India Pvt.Ltd.
17. Participated in “Orientation workshop for Associate faculty”, conducted at IIT Bombay on 25th and 26th March 2017.
18. AICTE Sponsored two weeks faculty development programme on “Innovations in Renewable Energy Harvesting and Environment Friendly Process Technologies for Sustainable Development” organized by R. V. R & J. C College of Engineering, Guntur during 23-10-17 to 04-11-17.
19. Certificate of Appreciation was a ‘Mentor’ in the AICTE approved faculty development programme (FDP101x) on Pedagogy for online and blended teaching-learning process conducted by IIT Bombay August 3, 2017 to September 7, 2017.
20. Certificate of Appreciation was a ‘Mentor’ in the AICTE approved faculty development programme (FDP201x) on Pedagogy for online and blended teaching-learning process conducted by IIT Bombay September 14, 2017 to October 12, 2017.

21. AICTE Sponsored one week short term course on “Ultra High Precision Machine Tools- Design and Characterization ”at IIT Madras, during 5th March to 10th March, 2018.
22. A 3-day Workshop on “Digital Manufacturing” organized by Department of Mechanical Engineering, held during 19th to 21st July 2018 at V.R.S.E.C, Kanuru, Andhra Pradesh, India.
23. The two week faculty development programme on “Mentoring Educators in Educational Technology (FDP 301X) Conducted by IIT Bombay from May 17, 2018 to July 05, 2018 and secured 84% marks.
24. A 5-day National Workshop on “Basics in Robotics and Applications” organized by Department of Mechanical Engineering, held during 17th to 21st December 2018 at VFSTR (Deemed to be university), Vadlamudi, Guntur, Andhra Pradesh, India.
25. A 5- day short term QIP sponsored course on “Technological Advancement of Polymer Nanocomposites, in Honour of Prof. Anil K. Bhowmick's 65 Birth Day” organized by Department of Mechanical Engineering, held during April 04 to April 08, 2019 at IIT Kanpur, Kanpur.
26. AICTE sponsored two week faculty development programme on “Emerging technologies and challenges in Mechanical Engineering” conducted by R. V.R. & J.C. College of Engineering from 21st October to 2nd November 2019.
27. Attended the interaction session on 23 May 2020 and successfully completed both pre and post workshop online activities, involving 3 days of video lectures and hands-on work “Effective and Efficient Online Teaching in the Age of Corona, A Hands On Workshop” organised by the Teaching Learning Centre (ICT) at IIT Bombay, funded by the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT), MHRD, Govt. of India.
28. Two week Faculty development Program on “AutoCAD” organized by Andhra Pradesh State Skilled Development Corporation (APSSDC), held during 18th May to 30th May 2020, Andhra Pradesh, India.
29. Two week Faculty development Program on “Solid Edge” organized by Andhra Pradesh State Skilled Development Corporation (APSSDC), held during 1st June to 13th June 2020, Andhra Pradesh, India.
30. Participated and completed successfully AICTE Training and Learning (ATAL) Academy online FDP on “Novel Materials” from 05-10-2020 to 09-10-2020 at Pillai College of Engineering.
31. Participated in the five day online Short Term Course on “Smart Manufacturing Technologies”, Organized by Department of Mechanical Engineering at Maulana Azad National Institute of Technology, Bhopal, Madhya Pradesh, India-462003 during 23rd to 27th December, 2020.

