

V. Nikil Murthy



Address:

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Medchal-Malkajgiri District,
Telangana, India.

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EDUCATION

- **M.Tech** (CAD / CAM), 2014
JNTU, Hyderabad, India.
Percentage Obtained: 83.31%, Grade: First Class with Distinction.
- **B.Tech** (Mechanical Engineering), 2012
JNTUA, India.
Percentage Obtained: 67.05%, Grade: First Class.
- **Intermediate** (M.P.C), 2008
Sri Aurobindo Jr. College, Kothapet, Hyderabad, Telangana, India.
Percentage Obtained: 69.1%, Grade: First Class.
- **SSC**, 2006
Visveswarayya Memorial High School, Gadwal, Telangana, India.
Percentage Obtained: 68.6%, Grade: First Class.

PROFESSIONAL EXPERIENCE

- **Assistant Professor** in Department of Mechanical Engineering, Geethanjali College of Engineering and Technology, Cheeryal(v), Hyderabad, India, 2014-2015.
- **Assistant Professor** in Department of Mechanical Engineering, M.V.S.R. Engineering College, Affiliated to Osmania University, Nadergul (P. O.). Hyderabad, Telangana, India, July-2015- Till date.
- **Roles and Responsibilities**
 - Dept. NPTEL and Spoken Tutorials Coordinator
 - Dept. Entrepreneur Development Cell Coordinator
 - Dept. Examinations Co-coordinator
 - Class Advisor
 - Dept. NBA & NAAC works

Subjects Taught:

1. Engineering Drawing
2. Engineering Mechanics
3. Kinematics of Machinery (GCET)
4. Applied Thermo Dynamics-1 (GCET)
5. Industrial Administration and Financial Management
6. Production operations & Management (Automobile dept.)
7. Mechanical Technology
8. Elements of Mechanical Engineering
9. Flexible Manufacturing Systems for M. Tech students.

Labs Taught:

1. Engg. Work shop
2. Metallurgy
3. Computer Aided Production Drawing & CAM lab (current sem)
4. Manufacturing Process
5. Strength of Materials
6. Metrology & Instrumentation for B.Tech students.

RESEARCH EXPERIENCE

Working for **IPR** on “Process of extraction of Calotropis fiber for preparing composite structures in multiple applications” (Patent)

Research/Assistant Professor, Geethanjali College of Engineering and Technology, Hyderabad, India 2014-2015.

- Assisted Professor in synthesizing the polymer composites.
- Tested materials in the laboratory.
- Published papers in Universal research publications.

Projects guided:

- 8 B.Tech
- 4 M.Tech

OTHER PROFESSIONAL EXPERIENCE

- Participated in the One Week Faculty Development Program on “**Development and applications of Nano composite materials**” during 9th to 14th July, 2018. Organized by the Department of Mechanical Engineering Institute of Aeronautical Engineering, Dundigal, Hyderabad, Telangana, India.
- Appointed as Reviewer for International Journal “**International Journal of Engineering and Technologies**” is a SciPress.com as a Swiss-based scientific publishing house
- Coordinated half a day workshop on “Basis of Productivity and Industry 4.0” Jointly organized by Mechanical Engineering Department and National Productivity Council.

- Reviewed an International Journal on “Tribological Behavior of Al-SiC Metal Matrix Composite in Acid Environment” in **International Journal of Engineering and Technologies** is a SciPress.com
- Reviewed an International Journal on “Experimental and Theoretical Studies of Inhibitive Behaviour of Millet Starch on the Corrosion of Aluminium in Sulphuric Acid Environment” in **International Journal of Engineering and Technologies** is a SciPress.com
- Reviewed an International Journal on “Performance Evaluation of Reworked Weld Joints” in **International Journal of Engineering and Technologies** is a SciPress.com
- Presented a Paper titled “**Influence of Nano (montmorillonite) reinforced with Carbon fiber on Mechanical and morphological properties**” Anna University, Chennai., Organisation of Science and Innovative Engineering and Technology (OSIET) sponsored **Sixth International Conference on Contemporary Engineering and Technology 2018, March 10-11,2018.**
- Presented a Paper titled “**Characterization of Epoxy Hybrid Composition: Effect of Glass/ Sansevieria Cylindrica Fiber on Mechanical & Thermal Properties**” AICTE Sponsored National Conference on Innovative Trends in Mechanical & Automobile Engineering organized 11-12 February, 2016 by Department of Mechanical Engineering, M.V.S.R. Engineering College Affiliated to Osmania University, Nadergul (P.O.). Hyderabad, Telangana, India.
- Participated in the Workshop on “**Computational Methods in Fluid Dynamics (CMFD-2015)**” organized during 16-12-2015 to 18-12-2015 by Department of Mechanical Engineering, M.V.S.R. Engineering College Affiliated to Osmania University, Nadergul (P. O.). Hyderabad, Telangana, India.
- Participated in the One Week Faculty Refresher Course on “**Control System Theory**” during 4th to 8th January, 2016. Jointly organized by the Department of Mechanical Engineering and Electrical & Electronics Engineering, M.V.S.R. Engineering College Affiliated to Osmania University, Nadergul (P. O.). Hyderabad, Telangana, India.
- Responsible for Guided mechanical engineering students of Avanthi engineering College in presenting an article on “Water Conservation (Optimization of water resources in India) by Hydro Electrical Dam” which stood First in TECH-RESONANCE 2013
- Participated in the 3-day Faculty Development Program on “**Advancements in MEMS and NEMS Technologies**” organized during 19-21 November 2015 under **TEQIP-II** by Department of Mechanical Engineering, Gokaraju Rangaraju Institute of Engineering and Technology (Autonomous), Hyderabad.
- Participated in the 3-day seminar on “**Vehicle Dynamics**” by Dr.Thomas Gillespie held during July 9-11 2015. Organized under **SAEINDIA Engineering Education Board** by Department of Mechanical Engineering, M.V.S.R. Engineering College Affiliated to Osmania University, Nadergul (P. O.). Hyderabad, Telangana, India.

INTERNATIONAL JOURNALS

1. **V. Nikil Murthy**¹, Dr. B. Anjaneya Prasad², Dr. M. Ashok Kumar³ Characterization of Carbon Fiber / Epoxy Composites with Different Fiber Parametric Quantity 2015 IJSRST | Volume 1 | Issue 4 | Print ISSN: 2395-6011 | Online ISSN: 2395-602X Themed Section : Engineering and Technology
2. **V.Nikil Murthy**¹, R. Haranath², B.Suresh Kumar Reddy³ Charaterization of Epoxy Hybrid Composition: Effect of Glass/ Sansevieria Cylindrica Fiber on Mechanical & Thermal Properties International Journal of Engineering Research ISSN:2319-6890)(online),2347-5013(print) Volume No.5 Issue: Special 2, pp: 329-334, 11-12 Feb. 2016
3. H.Ranganna,N.karthikeyan,**V.Nikil Murthy**, e.tl., Mechanical & Thermal Properties of Epoxy Based Hybrid Composites Reinforced with Sisal/Glass Fibres. International Journal of Fiber and Textile Research 2012; 2(3): 26-29. ISSN 2277-7156 Universal Research Publications. All rights reserved
4. A. Shirish Kumar¹, **V. Nikil Murthy**^{2*}, C.B.N Murthy³ Development and Behavior of Mechanical, Chemical resistance and Morphology Properties of Silicon / Coir Fiber Reinforced Epoxy Hybrid Composites Vol.59 (2015)pp 124-136 ©SciPressLtd.,Switzerland doi:10.18052/www.scipress.com / ILCPA.59.124
5. A.Vikram Ganesh, **V.Nikil Murthy**, C.B.N Murthy Mechanical & Thermal Properties of Carbon Fiber/Epoxy Composites with Different Fiber Orientation International Journal & Magazine of Engineering, Technology, Management and Research ISSN No: 2348-4845 Volume No: 2 (2015), Issue No: 7 (July) www.ijmetmr.com
6. RAVINDRA GANDHIMANNE¹, M.ASHOK KUMAR²,**V.NIKIL MURTHY**¹, N.KARTHIKEYAN³, e.tl., DEVELOPMENT AND ASSESSMENT OF POLYESTER REINFORCED WITH SANSEVIERIA CYLINDRICA / ZAWA FLOUR COMPOSITES International Journal of Engineering, Sciences, Technology and Management Published online Oct 30, 2015 (<http://www.scienceresearchlibrary.com>)
7. Deva Ganesh, **V.Nikil Murthy**, C.B.N Murthy Contact Stress Analysis of Helical Gear by Using Finite Element Analysis and Numerical Methods International Journal & Magazine of Engineering, Technology, Management and Research ISSN No: 2348-4845 Volume No: 2 (2015), Issue No: 8 August 2015 www.ijmetmr.com
8. M.Johnson¹,Raghava Krishna Sameer.B²,M. Ashok Kumar³,**V.Nikil Murthy**² e.tl., Poly (Lactic Acid)/MMT Nanoclay Hybrid Nanocomposites : Mechanical and Thermal Properties 2015 IJSRST | Volume 1 | Issue 4 | Print ISSN: 2395-6011 | Online ISSN: 2395-602X Themed Section: Engineering and Technology
9. M.Mohith,C.B.N Murthy,**V.Nikhil Murthy** Characterization of Epoxy Hybrid Composition: Effect of Glass/Carbon Fibre on Mechanical & Thermal Properties International Journal & Magazine of Engineering, Technology, Management and Research ISSN No: 2348-4845 Volume No: 2 (2015), Issue No: 7 (July)

10. R.SREENIVASULU¹, S.MADHUSUDHAN¹, M.ASHOK KUMAR², **V.NIKIL MURTHY³** e.t.l., Synthesis and Characterization of Polymer Nanocomposites Filled with Nanoclay/Aerosil on Mechanical and Thermal Properties International Journal of Nanomaterials and Biostructures 2013 ISSN 2277-3851

11. RAGHAVA KRISHNA SAMEER B.¹, M. ASHOK KUMAR², **V.NIKIL MURTHY³** e.t.l., Development of Sansevieria trifasciata - Carbon Fiber Reinforced Polymer Hybrid nanocomposites Vol 50 (2015) pp 179-187 Online: 2015-05-03 © (2015) SciPress Ltd., Switzerland

12. A. Kishore¹, D. B. Venkatesh¹, M. Ashok Kumar^{2,*}, A. Ramesh², **V. Nikil Murthy³** e.t.l., Hydrophilic Modified clay Nanocomposites: Effect of clay on Thermal and Vibrational Properties Available online at www.ilcpa.pl 8 (2014) 73-86 ISSN 2299-3843

13. H.RANGANNA*¹, M. ASHOK KUMAR A. RAMESH², N. MADHAVA REDDY³, N.KARTHIKEYAN², **V.NIKIL MURTHY**, e.t.l., Development and Behavior of Mechanical Properties of Graphite/ Granite filled Epoxy Hybrid Composites ISSN 2277-7156 International Journal of Fiber and Textile Research 2013; 3(2): 57-59 www.urpjournals.com

PRESENTATIONS / Publications

- Presented a Research Paper titled “**Influence of Nano (Montmorillonite) Reinforced with Carbon Fiber on Mechanical and Morphological Properties**” in ICCET 2018 Shri Venkateshwara Padmavathi Engg College, Chennai.
- Presented a Research Paper titled **Utilization of silicon, wood dust filled epoxy reinforced glass fiber hybrid composites** in 5th International Conference on Recent Advances in Composite Materials ICRACM-2016 Organized by KL University, Vijayawada in Association with IIT BHU, Varanasi.
- Presented a Research Paper titled **Synthesis & characterization of epoxy filled silicon, wood dust with glass fiber reinforced hybrid composites** in National Conference on Innovative Research in Engineering & Technology NCIRET-2015 Organized by KVSRRIT, Kurnool, Ap, India.
- Presented a Research Paper titled **Charaterization of Epoxy Hybrid Composition: Effect of Glass/ Sansevieria Cylindrica Fiber on Mechanical & Thermal Properties** in ITMAE-2016, Mechanical Engineering Department, MVSREC, Nadargul, Hyderabad.
- Presented Paper on “**SIX STROKE ENGINE**” in a National level Technical Symposium at SKD Engineering College, Gooty, India.
- Presented Paper on “**Career Management skills in 21st Century**” in a District level Symposium at Pinnacle Institution, Kurnool. India.
- Presented Poster on “**Sourgham vulgarize reinforced epoxy composites**” in an **International Conference at M.G. University, Kottayam, Kerala, India.**

- Presented paper on “**Polymer Nano Composites: Effect of Nano (MMT) / Aerosil filler on Mechanical, Thermal and Morphology Properties**” in a National level Technical Symposium at Chiranjeevi Reddy Institute of Technology, Anantapur, India.
- Presented paper on “**Performance of Coconut Fiber Reinforced Composite Materials**” JNTUCE, Anantapur, India.
- **Participation in Workshops of two days and more**
 1. On “**Micro Air Vehicles**” JNTUCE, Anantapur, AP, India
 2. On “**Robotics**” at JNTUACE, Pulivendula, AP, India.

PERSONAL DETAILS

Father’s Name : V. Raghu Ram
Mother’s Name : V. Usha Rani
Hobbies : Gardening, reading Articles and Journals on material science.
Languages Known : Telugu, Hindi and English.

EXTRA-CURRICULAR ACTIVITIES

- Won **First Prize** for presenting a research paper on Polymer Nano composites in a two day National level technical symposium conducted by CRIT, Anantapur.
- Won First Prize in Volley Ball competition in School.
- Won First prize in singing competition in college.
- Organised various intercollege technical events.

KEY SKILLS

- *Good communication and interpretation skills.*
- *Hard working and ability to accept challenges*

Declaration: I hereby declare that the above information is true. References will be provided on demand.

Date:

Signature

Place:

V. NIKIL MURTHY