

MANIKYAM SANDEEP

Associate Professor

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Passionate Associate Professor with 10+ years of experience administering education and classroom procedures both autonomously and in collaboration with department faculty and leaders. Building foundation for next generation of academics and workforce pioneers.

Enthusiastic Faculty Advisor eager to contribute to team success through hard work attention to detail and excellent organizational skills. Clear understanding of SAE REAL TIME PROJECTS and training in projects. Motivated to learn, grow and excel in Industry.

Skills

Classroom presentations
Classroom management
Academic research
Student research guidance
Student counseling

Work History

2017-01 - Current : Associate Professor,

ACE ENGINEERING COLLEGE, HYDERABAD, TELANGANA STATE.

- Mentored students, including directing research, projects or internships, as well as advising on career paths, degree requirements and post-graduate education options.
- Made contributions in curricular development and innovation in teaching strategies, including incorporation of new technologies for learning and grading.
- Advised student groups, assisting learners in educational programs both on and off campus.
- Updated curricula and lesson plans for primary instructors, researching developments in relevant fields and updating materials to reflect most recent data and statistics.
- Helped students to develop and demonstrate broad, integrative and specialized knowledge, essential habits of mind, communicative fluency and effective problem-solving skills.
- Sustained professional contact with colleagues and engaged in continuing professional activities to upgrade and augment existing skills or develop new ones.
- Proctored mid-term and final examinations, assisting students with assignment comprehension and monitoring for indications of cheating.
- Conducted engaging in-class discussions to facilitate learning and encourage participation.

Education

2017-01 - Current : **Ph.D. : Pursuing MECHANICAL**

KONERU LAKSHMAIAH RESEARCH FOUNDATION

- Thesis: EXPERIMENTAL INVESTIGATION AND SURFACE QUALITY PARAMETERS OPTIMIZATION IN EDM MACHINING OF D-SERIES TOOL STEELS
- Course work compleated in Research Methodology, Computer Integrated Manufacturing and Materials Management.

2010-08-2012-08 **Master of Engineering : PRODUCTION ENGINEERING**

UNIVERSITY COLLEGE OF ENGINEERING - HYDERABAD.

- Received GATE Scholarship

2006-06-2009-06 **Bachelor of Engineering : MECHANICAL ENGINEERING**

VASAVI COLLEGE OF ENGINEERING - HYDERABAD.

- Received GATE Scholarship

1999-07-2003-05 **DIPLOMA in MECHANICAL ENGINEERING : Mechanical Engineering**

GMRP - GAJWEL

MANIKYAM SANDEEP ACHIEVEMENTS

JOURNALS:

1. Mr. Manikyam Sandeep, Associate Professor published a Journal on “Optimization of analytical modelling of aluminium-multiwall carbon nanotube composites” in ICMMSSE, Materials Today:proceedings,Elsevier <SCOPUS INDEXED journal> ISSN: 2214-7853 and AUG 2019
2. Mr. Manikyam Sandeep, Associate Professor published a Journal on “ENHANCEMENT AND GRAY RELATIONAL ANALYSIS OF EN 31STEEL USING PARAMETERS OF WIRE CUT ELECTRIC DISCHARGE MACHINE” in ICMMSSE, MaterialsToday: proceedings,Elsevier <SCOPUS INDEXED journal> ISSN: 2214-7853 (sciencedirect.com)
3. Mr. Manikyam Sandeep, Associate Professor published a Journal on “Optimization of Deep Drawing Process Parameters for Cylindrical Cup” in ICMMSSE, Materials Today: proceedings, Elsevier <SCOPUS INDEXED journal> ISSN: 2214-7853 (sciencedirect.com)
4. Mr. Manikyam Sandeep, Associate Professor published a Journal on “Experimental Investigation and Optimization of MRR, Surface Roughness and Overcut of AISI 316 Stainless Steel in EDM using Taguchi Method” in International Journal of Advanced Science and Technology <SCOPUS INDEXED JOURNAL> ISSN: 2005-4238 IJAST VOLUME 28 ISSUE 16 DEC2019
5. Mr. Manikyam Sandeep, Associate Professor published a Journal on “Fabrication of Carbon Fiber Reinforced Polymer (CFRP) & Comparing Experimental Result (Tensile & Bending) of CFRP (Unidirectional & Bidirectional) With Aluminum (Al7075)” in International Journal of Advanced Science and Technology <SCOPUS INDEXED JOURNAL> ISSN: 2005-4238 IJAST VOLUME 28 ISSUE 16 DEC2019.
6. Mr. Manikyam Sandeep, Associate Professor published a Journal on “A mobile robotic welding robot will be verified both theoretically and empirically using AWS and ASTM standards” in International Journal Of Recent Technology And Engineering <SCOPUS INDEXED JOURNAL> ISSN: 2277-3878 VOLUME 8 ISSUE -5.
7. M. SANDEEP - “DESIGN AND FABRICATION OF MULTI FUNCTIONAL PEDALOPERATED MACHINE” International Journal of Mechanical Engineering &Technology (IJMET), Volume 08, Issue 6, (June 2017) (SCOPUS INDEXED).

8. **M. SANDEEP -“Analysis and Fabrication of Heat Pipe and Thermosyphon”** International Journal of Mechanical Engineering & Technology (IJMET), Volume 08, Issue 11, (Nov 2017)(**SCOPUS INDEXED**).
9. **M. SANDEEP - “Design, Analysis and Fabrication of Ekokart Chassis Frame”** INTERNATIONAL JOURNAL OF MECHANICAL AND PRODUCTION ENGINEERING RESEARCH AND DEVELOPMENT (IJMPERD); ISSN (ONLINE): 2249-8001; ISSN (PRINT): 2249-6890; IMPACT FACTOR(JCC) (2018): 7.6197; INDEX COPERNICUS VALUE (ICV) - (2016):60.6; NAAS RATING: 3.11; VOL - 8, ISSUE - 6; EDITION: DEC2018 "(**SCOPUS INDEXED**).
10. **M. SANDEEP - “DESIGN AND FABRICATION OF SPACE FRAME CHASSIS”**1st International Conference on Recent Trends in Engineering and Technology IN SMSK GHATKESAR on JULY 2017 ISBN 978-93-86638-14-4.
11. **Mr. M. Sandeep**, Associate Professor published a Journal on **“Fabrication and Analysis of Aluminium based Nano Composites Reinforced with Carbon NanoTubes”** in International Journal of Research in Advent Technology, Special Issue, and March 2019/E-ISSN: 2321-9637.
12. **Mr. M. Sandeep**, Associate Professor published a Journal on **“Experimental Investigation of Welding Processes on Process Parameters”** in International Journal of Research in Advent Technology, Special Issue, March 2019/E-ISSN: 2321-9637.
13. **Mr. M. Sandeep**, Assistant Professor published a Journal on **“Fabrication of Different Types of Cylinders of Four Stroke Engine”** in International Journal of Research in Engineering & technology, vol7 issue 03, March 2018,ISSN: 2278-0181.
14. **Manikyam Sandeep**, Associate professor published a article on**“Eco Electron Energy Storage Technology”** IOSR journal of mechanical and civil engineering(IOSR-JMCE) e-ISSN:2278-1684,P-ISSN:2320-334X,volume 17,issue 1 ser IV(Jan-feb2020).
15. **M. SANDEEP -“Evaluation of CI Engine Performance by Varying Compression Ratio and with the effect of Change in Inlet Manifold”** INTERNATIONAL RESEARCH JOURNAL OF AUTOMOTIVE TECHNOLOGY (IRJAT) .<http://www.mapletreejournals.com/index.php/IRJAT> Received 20 November 2018 ISSN 2581-5865 Accepted 25 November 2018 2018; 1(6);1-17.

Journals Accepted but still in Processing

16. Presented a article in conference ICAME2020KTR SRM university **“An Experimental Study On Roundness Error In Wire Edm For Ferro Materials”** to be published in IOP SCOPUS PROCEEDINGS.
17. Presented a article in conference ICIME2020 GURUNANAK INSTITUTIONS HYDERABAD **“Modelling and analysis of residual stresses in castings using AlSi12(Fe) and NiCu (Fe) materials”** IN SPRINGER
18. Submitted a article in conference ICALMS2020 CMRTC HYDERABAD **“Experimental Execution Analysis of Wire Electric Discharge Matchining”** IN SPRINGER CONFERENCE.
19. Submitted a article in conference ICALMS2020 CMRTC HYDERABAD **“ANALYSIS OF MACHINING PARAMETERS ON D2 TOOL STEEL IN WIRE CUT EDM”** IN SPRINGER CONFERENCE IN SPRINGER CONFERENCE
20. **Mr. Manikyam Sandeep**, Associate Professor published a Journal on **“Laser heat treatment was performed to improve the bending property of laser welding joints to low alloy ultra high strength steel with minimized strength loss”** in **TEST Engineering and management < SCOPUS INDEXED JOURNAL>**ISSN: 0193-4120 may/june 2020 VOLUME 83.
21. Submitted a article in ELSEVIER MATERIALS LETTERS **“DEVELOPMENT AND DESIGN OF HIGH STRENGTH AA7XXX+1%SC ALUMINIUM ALLOY TENSILE AND WEAR BEHAVIOUR OF PRECIPITATION HARDENING”** IN ELSEVIER SCI JOURNAL.
22. Submitted a article in ELSEVIER MANUFACTURING PROCESS **“INVESTIGATION AND DEVELOPMENT OF HIGH STRENGTH AA2024-AA7075 ALUMINIUM ALLOYS SHEETS STUDIES THEIR MECHANICAL AND MICROSTRUCTURAL BEHAVIOUR BY FRICTION STIR WELDING”** IN ELSEVIER SCI JOURNAL.
23. Submitted a article in ELSEVIER MATERIALS SCIENCE & ENGINEERING A **“REFINEMENT AND REDISTRIBUTION OF INTER METALLIC COMPOUNDS IN AA7XXX ALLOY BY ROLLING AND THEIR EFFECTON MECHANICAL PROPERTIES”** IN ELSEVIER SCI JOURNAL.
24. **Mr. Manikyam Sandeep**, published an article **“EFFECT OF MECHANICAL BEHAVIOUR ON EPOXY E GLASS AND CARBON FIBRE REINFORCED COMPOSITES”** IN JOURNAL OF CRITICAL REVIEWS IN JUNE 2020 [SCOPUS INDEXED JOURNAL]

PATENT :

01. Applied for patent on "PEDAL CORRECTION SYSTEM in cycle." Application Number 321696-001

BOOK PUBLICATIONS :

1. Published a book on "**ENHANCEMENT AND GRAY RELATIONAL ANALYSIS**" IN Lambert academic publishing.
2. Mr. MANIKYAM SANDEEP, Associate Professor has successfully completed the course of **NPTEL Online Certification** on "**FUNDAMENTALS OF MANUFACTURING PROCESSES**" with **ELITE Certificate**.
3. Worked as a coordinator for organizing a Two week national level workshop "**DISASSEMBLY AND ASSEMBLY OF IC ENGINES**" **19SEPTEMBER TO 05 OCTOBER 2019** **Organised by MED ACE ENGINEERING COLLEGE.**

Languages

English, Hindi, Telugu

Certifications

NPTEL FUNDAMENTALS OF MANUFACTURING PROCESSES with ELITE Certificate"

Interests

DESIGNING AND MANUFACTURING OF CARS

Organizational Scan

- Currently associated with ACE Engineering college as Associate Professor
- Published 19 journals and one book.
- Worked as Assistant Professor in St. Peters Engineering College from 21st January 2013 to 10th January 2017.
- Ratified from JNTUH
- Worked as Assistant Professor in Maheshwara Engineering College from 1st May 2012 to 20th January 2013.
- Worked as a Quality controller Engineer In JAYA ENTERPRISES (2003-06)
- Worked as Assistant Professor in MRITS from 8th December 2010 to 30th April 2012. (Engineering Drawing pass percentage 94% and Strength of Materials 84%)
- Worked as Assistant Professor in Alhabeeb College of Engineering and Tech, Chevalla from 7th September 2009 to 5th December 2010

SAE MENTOR: Significant highlights :

1. Started SAE collegiate club in ACE ENGINEERING COLLEGE and Started a new real time project EKOART-18 and we awarded the all India 10th rank in India in virtual round.

As a faculty advisor Successfully completed 5 real time projects in SAE club Successfully built the vehicle supra-16 and ready for the competition Successfully completed the ekokart-16 project.

Successfully completed the solar car project.

Memberships in Professional Societies

1. Member of AMERICAN SOCIETY OF TESTING AND MATERIALS INTERNATIONAL (ASTM), USA.
2. MEMBER of SOCIETY OF AUTOMOTIVE ENGINEERS (SAE INTERNATIONAL), INDIA.
3. Life Member of INTERNATIONAL ACADEMY FOR SCIENCE AND TECHNOLOGY EDUCATION AND RESEARCH. (IASTER) INDIA.
4. Life Member OF Society of mechanical Engineering. (IAENG), HONGKONG.

Personal Details

Date of birth : 30th June 1984

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H.B. Colony, Moulali, Hyderabad - 500 040.