



Mr. Shetty Vijay Mohan

B.Tech (KU), M.Tech (JNTUH), (Ph.D) (OU)

Assistant Professor (c)

Mechanical Engineering

Mr. Vijay Mohan Shetty has been working as Assistant professor (c), in Department of Mechanical Engineering since 2013. He received his M.Tech in Advanced Manufacturing Systems from JNTUH University college of Engineering, Kukatpally, Hyderabad. He has total experience of 12 years of Teaching and Research and Industrial Experience of 2 Years. He is pursuing Ph.D in Mechanical engineering from Osmania university college of Engineering, Hyderabad. He has published 10 research papers in various National and International Journals and conferences.

Areas of Interest : Manufacturing & Machining, Advanced Manufacturing Techniques, Composites & Material science.

Academic Qualifications :

1. Currently Pursing his Ph.D in the field of composite materials from Osmania University in Dept of Mechanical Engineering, Osmania university college of Engineering, OU, Hyderabad.
2. Pursued his Masters in Technology in Advanced Manufacturing systems from JNTUH University college of Engineering, Kukatpally, Hyderabad.
3. Pursued his Bachelors in Technology in Production Engineering, from Kakatiya institute of Technology and science, Warangal.

Professional Experience :

1. Currently Working as Assistant professor (contract) in Department of Mechanical Engineering, JNTUH UCEJ (2013- till date).
2. Worked as Design Engineer in Bezaleel Industries, Jeedimetla, Hyderabad.

Research & Publications :

1. Optimization Of Metal Matrix Composites By Using Recycled Secondary Raw Materials From Aluminum Wastes - A Case Study.
2. Comprehensive Analysis and Investigation of Heat Treated AISI 4130 Steel on Surface Roughness in Turning Operation.
3. Parametric study on influence of ply drop-offs on buckling behaviour in composites.
4. Evaluation and Optimization of multi performance characteristics in machining of heat treated AA 6082 on End mill using desirability functional analysis.
5. Evaluation of multi performance characteristics of heat treated AA 6061 and 5154 welded joints using Grey relational analysis.
6. Optimization and Evaluation of Ageing parameters on mechanical properties of AA 6061 and AA 5154 Welded joints using Taguchi method.
7. Experimental analysis on the influence of spindle vibrations of CNC Lathe on surface roughness using Taguchi method.
8. Experimental Analysis on Surface Finish by controlling the vibrations using Composite Materials on Radial Drilling Machine.
9. Experimental Analysis of Passive Damping Technique on Conventional Radial Drilling Machine Tool Bed using Composite Materials.

Teaching :

UG Programme :

Engineering Materials, Engineering Graphics, Material science and Metallurgy, Production Technology, Kinematics of Machinery, Machine Tools and Metrology, Unconventional machining process, Robotics, Composite Materials.

PG Programme :

Industrial Robotics, Advanced optimization Techniques and Applications, Reliability Engineering, Design Optimization

Events participated :

Name of programme	Days	Organized by
Attended Faculty development programme on "Challenges and advances in renewable energy sources"	6 Days	KITS Singapur
Attended Faculty development programme on "Recent Trends in Mechanical and Industrial Engineering"	6 Days	MVSR Engineering College
Attended Faculty development programme on "Vibrations in Mechanical Systems"	6 Days	MVSR Engineering College
Attended Faculty development programme on "Manufacturing Process Technology"	12 weeks	NPTEL AICTE
Attended Faculty development programme on "Optimization techniques and tools for Mechanical Engineers"	6 Days	SNST HYD
Attended Faculty development programme on "Academic Research in Engineering for Industry and patents"	5 Days	MVSR Engineering College
Attended Faculty development programme on "SCILAB - an open Source substitute for MATLAB"	6 Days	JNTUH CES
Attended Faculty development programme on "Finite element analysis using ANSYS-2"	6 Days	ABS Engineering College
Attended Faculty development programme on "Advances in Engine Combustion and emission diagnostics"	6 Days	NIT Andhrapradesh
Attended Faculty development programme on "Nanomaterial Synthesis, Process, Characterization and its functional applications"	6 Days	Hindustan college of Engineering and technology
Attended Faculty development programme on "Advance materials and Manufacturing	5 Days	KITS Warangal
Attended Faculty development programme on "Online Elementary FDP on "Patent drafting and filing"	5 days	Jerusalem college of Engineering under AICTE Training and learning Academy (ATAL)
Attended Faculty development programme on "Online Elementary FDP on "Exploring ideas to scalable product design skills"	5 days	Gujarat Technological university under AICTE Training and learning Academy (ATAL)
Attended Faculty development programme on "Rejuvenating learning with world class business improvement approach " Lean six sigma.	5 days	Dharmsinh Desai university under AICTE Training and learning Academy (ATAL)
Attended Faculty development programme on "Mechatronics and MEMS"	5 days	National Institute of Technology(NIT), Warangal under AICTE Training and learning Academy (ATAL)
Attended Faculty development programme on "Simulation of welds and optimization Techniques"	5 days	Annamalai University under AICTE Training and learning Academy (ATAL)
Attended Faculty development programme on "Plastics product and Mould design"	5 days	Central Institute of Petrochemicals Engineering and Technology under AICTE Training and learning Academy (ATAL)
Attended Faculty development programme on "Non- destructive Testing and Evaluation"	5 days	National Institute of Technology(NIT), Srinagar. under AICTE Training and learning Academy (ATAL)

Contact :

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Mechanical Engineering

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