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OBJECTIVE

Possesses an effective, positive, and flexible teaching style with the willingness to work beyond the comfort zone

ACADEMIC DETAILS

Year	Degree	Institute	GPA/CPI
2011	M. Tech	NIT Warangal	8.35/10
2009	B. Tech	JNTU Hyderabad	72.91 %

AREAS OF RESEARCH

Additive manufacturing, 3D printing, Machining and forming, friction stir processing

M. TECH PROJECT: A Study on Effect of Process Parameters on the Expansion of Thin Walled Aluminium 7075 Tubes

TEACHING EXPERIENCE

About 9 years of teaching/research experience in RGUKT-Basar. Presently working as Assistant Professor in the Department of Mechanical Engineering, Rajiv Gandhi university of Knowledge technologies, Basar

RESEARCH

1. B. Tech project: Supervised 97 plus Projects

3. Publications (ISSN & UGC Approved)

1. Jakirahemed. MD, M. J. Davidson, G. Venkateswarlu and L. Venugopal, “**A Study on Effect of Process Parameters on the Expansion of Thin Walled Aluminium 7075 Tubes**”, International Journal of Advanced Science and Technology, 36 (2011), pp.83-93.
2. Jakirahemed.MD and D.Bahar, “**Optimization Of MRR In Wire Cut EDM On Monel K-400 (Optimization By Taguchi Technique)**”, International Journal of Creative Research Thoughts, 6 (2018), pp,724-730.

3. D.Bahar, Jakirahemed MD and K. Srikanth, “**Analysis Of Effectiveness For Plate Heat Exchanger (PHE) Using Al₂O₃ And TiO₂ Based Nanofluids**”, International Journal of Advance Science and Engineering, 7(2018), pp.622-627.
4. D. Bahar, Jakirahemed MD, K. Srikanth and S. Rajesham, “**Geometrical Parameters Based Optimization Of Heat Transfer Rate In Double Pipe Heat Exchanger Using Taguchi Method**”, International Journal of Engineering & Science Research, 8(2018), pp.18-24.
5. D. Bahar and Jakirahemed. MD, “ **Performance Characteristics Of Air Cooled Single Cylinder Four Stroke Engine Fueled With Diesel-Kerosene Blends**”, International Journal of Engineering Sciences & Emerging Technologies, 10(2018), pp.74-81.
6. Maddela Narender, Aluri Manoj and M.D. Jakirahemed, “**Study on defects repairing using Friction Stir technologies**”, Materialstoday proceedings, 2021.

AWARDS/ACHIEVEMENTS

- i. Member of the runner team of Staff cricket league in 2014
- ii. Member of the runner team of Staff volley ball league 2019.

PROFESSIONAL DEVELOPMENT/WORKSHOPS (PROGRAMMES ATTENDED):

1. Participated in one day workshop on “CAD/CAM” on August 13, 2008.
2. Participated in three days National workshop on “**Advances in X-ray Diffractometry and Scanning Electron Microscopy**” organized by the Department of Metallurgical and Materials Engineering, RGUKT, Hyderabad, during July 15-17, 2013.
3. Participated in five days Short Term Training Program on “**3D Printing Experience**” conducted by the Department of Mechanical Engineering, National Institute of Technology, Warangal, during May 05-09, 2015.
4. Participated in two days National Symposium on “**Recent Advances in Chemical and Material Sciences**” held at SAC building RGUKT-Basar, during August 20-21, 2016.
5. Participated in one day workshop on “NPTEL” on July 29, 2017.
6. Participated in the ‘Global business foundation skill (GBFS)’ Train the trainer program during April 3-7, 2018.
7. Participated in two days workshop on “Powder metallurgy & advanced ceramics” during September 27-28, 2018.

OTHER SERVICES

- Served as HoD of Mechanical engineering department from 01-08-2013 to 09-02-2015.
- Served as faculty coordinator for sports in 2012
- Served as faculty coordinator for technical events of “Antah Pragnya 2017” from the department of mechanical engineering
- Served as a resource person during the “Training program on CNC machine” from 14th -23rd July, 2018