

Faculty Profile



Name: Dr. BARLA MADHAVI

Designation: Senior Assistant Professor

Teaching Areas: Manufacturing and Design

Research Interests: Friction Stir Welding ,Design and Automation

Education:

- PhD , BITS-Pilani , Hyderabad , 2018
- M.E (CAD/CAM), GITAM (Andhra University) , Visakhapatnam ,2006
- B.Tech , V .R. Siddhartha Engg College (Nagarjuna University), Vijayawada,2001

Research / Selected Publications:

1. B.MADHAVI, JEEVAN JAIDI, M. KARTHIK TEJA “Heat and material flow effects on Microstructures and Hardness in Friction Stir welded joints”, PROEDIA ENGINEERING VOL 86,2014, PG209-214,
2. B.MADHAVI, JEEVAN JAIDI, M. KARTHIK TEJA “: Optimization Study of Friction Stir Welding Process Parameters and Nugget Properties of Aluminium-alloy,ICONS-2014,Proceedings of ICONS-2014,IGCAR-Kalpakkam,FEB 2014.
3. B.MADHAVI, JEEVAN JAIDI, S. Anvesh Krishna,“Finite element modelling of friction - stir - welding process to study thermal impact and evolution of stresses in aluminium – alloy”, AIMTDR (2016).
4. B.MADHAVI, JEEVAN JAIDI, “Influence of Strain Hardening Behaviour in Friction Stir Welded Joints of Aluminium-alloy Plates”, Proceedings of ICMPC-2017, Materials Today-Elsevier.
5. B.MADHAVI, P MADAR VALLI, “Optimization of process parameters using Genetic Algorithms in turning operations”, NAME-2004.