Mr. N S C Chaithanya

Associate Professor

Department

Mechanical Engineering

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Academic Background :

M.E (CAD/CAM) – GITAM Engineering College

M.B.A (Systems and Marketing)

B.Tech (Mechanical Production and Industrial Engineering) – GITAM Engineering College

Mr. N.S.C Chaitanya has 15 years of rich teaching experience and administration. He is about to submit his Doctoral thesis at GITAM Deemed to be University. He is bestowed with BEST Faculty award twice in his career. His expertise in the area of Mechanical Design and he has vast experiences handling subjects like Mechanics of Solids, Kinematics of Mechanisms, Dynamics of Machinery, CAD/CAM, Robotics etc. He believes that research is meant for betterment of society and all his research interests and guided projects are oriented towards providing something better to the society. He has been associated in conduction of many national level tech fests, seminars, workshops and also was the co-convenor for an International Workshop on "ANSYS Workbench and Multiphysics Suite".

Currently working as Assistant Professor in Raghu Engineering College, Visakhapatnam.

Achievements:

Some of the noteworthy projects guided by him are as follows:

1. Design and Fabrication of Foot step power generation mechanism in 2009.
2. Design and Fabrication of Vertical Axis wind turbine in 2011.
3. Design and Fabrication of windmill for water Pumping in 2012.
4. Design and Analysis of a composite Piston in 2013.
5. Design and Fabrication of gesture-controlled wheel chair for the disabled.

Research Publications include:

1. Weight lift assist exoskeleton
2. "Design and analysis of a liquid desiccant dehumidifier"
3. "Optimization of Drilling Process Parameters Using Taguchi Method"
4. Effect of Cutting fluids on H.S.S and carbide cutting tools by Thermal Analysis
5. "A Novel Development of Vapor Absorption Air-Conditioning System using Engine Exhaust Heat"
6. Experimental Investigations on CI Engine for Performance, and Emissions Fuelled with Stabilised Binary Diesel/ JME Blends Doped with Nano Metallic Oxide Additive Particles Using DEE and Non-Ionic Surfactants
7. Transesterification of Algae Oil using K2CO3/ZnO Heterogeneous Base Catalyst