Faculty Profile

Name:	**Dr. A. Manmadha Chary**	
Designation:	Assistant Professor	
Teaching Areas:	Production Technology, Machine Tools, Unconventional Manufacturing, Additive Manufacturing and CAD/CAM/CAE.	
Research Interests:	Additive Manufacturing, 3D Printing, Computer Aided Design, Computer Aided Engineering, Bio-Manufacturing, Optimization Techniques.	
Education:	Ph.D in Mechanical Engineering, National Institute of Technology, Warangal, 2017.	
	M.E in Production Engineering, Osmania University, Hyderabad, 2010.	
	B.Tech in Mechanical Engineering, JNTU, Hyderabad, 2008.	

Professional Experience: (Total 6 Years)

1. July 2016 to till today: Assistant Professor, ITS, IFHE (Deemed University), Hyderabad.

2. November 2010 - December 2011: Assistant professor at Royal Institute of Technology & Science, Hyderabad.

Research / Selected Publications:

1. **Manmadhachary. A**, Ravi Kumar. Y, Krishnanand. L, "Improve the accuracy, surface smoothing and material adaption in STL file for RP medical models", Journal of Manufacturing Processes, vol. 21, pp 46–55, 2016.

2. **Manmadhachary A,** Ravi Kumar Y, Krishnanand L, "Effect of CT acquisition parameters of spiral CT on image quality and radiation dose", Measurement, vol. 103, pp 18–26, 2017.

3. **A. Manmadhachary,** Y. Ravi Kumar, L. Krishnanand, "Finding of Correction Factor & Dimensional Error in Bio-AM Model by FDM Technique", Journal of The Institution of Engineers (India): Series C, 3 (2018) 293–300.

4. **A. Manmadhachary**, Chanakya Chervith P.S.M, "A Method to Minimize the Energy Consumption of an Industrial Robot", International Journal of Energy Technology and Policy (IJETP), 15 (2019) 224 – 235.

5. **Manmadhachary A**, "CT imaging parameters for precision models using additive manufacturing", Multiscale and Multidisciplinary Modeling, Experiments and Design, 2 (2019) 209–220.

Book Chapter:

1. **Manmadhachary A**, Santosh Kumar Malyala, Adityamohan Alwala (2018) "Medical Applications of Additive Manufacturing", Springer - Lecture Notes in Computational Vision and Biomechanics, Springer, 1643-1653. ISBN No: 978-3-030-00664-8.