

Faculty Profile

Name: A CHANDRA SHEKHAR

Designation: Asst. Prof.

Teaching Areas: Engineering Graphics, Machine Drawing, Machine tools & Metrology, CAD/CAM , Production Technology, Robotics, Mechatronics and Nanotechnology



Research Interests: Robotics, Mechatronics, Fuzzy Logic, Neural Networks.

Education: B.Tech. Mechanical Engineering from JNTU Hyderabad (2004)
M.Tech. Industrial Engg & Management from JNTUH (2006)
MBA Operations Mgmt. from Sikkim Manipal University (2011)
PhD – Robotics (Pursuing – Thesis Submitted September 2017)

Professional Experience: (13 Years)

1. 2007 - till date: Assistant Professor, IFHE University, Hyderabad
2. 2005 – 2007: Assistant Professor, TKR College of Engineering & Technology, Hyderabad
3. 2004 – 2005: GIS Engineer, Avenion India Pvt. Ltd, Hyderabad

Books Published:

- “Digital Electronics and Microcontrollers”, Rajesh Akula, Chandrashekhar Akula ,VGS Publishers, 2011

Research/ Selected Conferences: Total - 22

1. Chandra shekhar A, P.Abhilash, Sharan Abhinay R.M “Selection and performance analysis of a robot using AHP” 4th International Conference on Industrial Engineering (ICIE 2017) Dec 21 – 23 rd , 2017 conducted at SVNIT, Surat.
2. Chandrashekhar.A, R. Rajeev, P. Abhilash, “Soft robotic treatment for club foot” ICCMEH2017, 4th International Conference on Computational Methods in Engineering and Health Sciences, December 19-20, 2017 held at Department of Aeronautical & Automobile Engineering, Manipal Institute of Techology, Manipal University, Manipal - 576104, Karnataka, India.

Research / Selected Publications: Total - 9

1. Chandrashekhar A, G.Satish Babu, “ Optimum design of 4-UPU parallel robot using condition number” International Journal of Industrial Engineering Research and Development (IJIERD) Volume 6, Issue 2, July-Dec 2015, pp. 34-38.
2. Chandrashekhar A, S. Bhargava Satvik Sarma, R. Likhith Rana Govind “CFD analysis on conical and bell nozzle”, International Journal of Engineering Technology, Management and Applied Sciences, June 2017, Volume 5, Issue 6, pp. 952 – 955.
3. Chandrashekhar A, G.Satish Babu, “ Generation of Manipulability Ellipsoids for Different Configurations Using the Yoshikawa’s Manipulability Index and Manipulability Ellipsoid”, International Journal of Theoretical and Applied Mechanics, ISSN 0973-6085 Volume 12, Number 3 (2017) pp. 623-635.