

## 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  
M.Tech. Industrial Engineering & Management  
MBA Operations Management  
PhD – Robotics (Pursuing)

### Professional Experience: (12 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

### Professional Memberships:

1. Society of Automotive Engineering (SAEINDIA)
2. Life time membership of THE COMBUSTION INSTITUTE -INDIAN SECTION (CI-IS)

### Research Publications:

1. A Chandra Shekhar, "Integration of Remote Sensing and GIS for Urban Storm Water Management", IUP Journal of Environmental Sciences, May 2010, Vol. IV, No.2, Page 14 – 28
2. A Chandra Shekhar, Dr.G.Satish Babu, "Optimal Configurations of Kinetostatic Spatial Parallel Robots Based on Properties and Point of Isotropy" IASTER's International Journal of Research in Mechanical Engineering,3,3, May -June, 2015, Pg. 33 - 45
3. A Chandra Shekhar, Dr.G.Satish Babu, "FORCE ISOTROPY OF THREE-LIMB SPATIAL PARALLEL MANIPULATOR" International Journal of Mechanical Engineering & Technology (IJMET),6,6, June 2015, Pg.01-08,
4. A Chandra Shekhar, Avinash Malladi, "Wifi for Vehicular communication systems" Journal of Emerging Technologies and Innovative Research International Open Access Journal. Vol. 2, No, 6, (June 2015), pp 1939 -1943.
5. A Chandra Shekhar, Dr.G.Satish Babu, Jacobian Matrix and Kinematic Aanalysis of the Parallel Robots- A Survey, IUP Journal of Mechanical Engineering, August 2015Vol VIII, No.3
6. A Chandra Shekhar, Dr.G.Satish Babu,"Nearly Isotropic 6- UPU Parallel Manipulator" International Journal of Design and Manufacturing Technology 6(2), 2015, pp. 54-60.
7. A Chandra Shekhar, Dr.G.Satish Babu, "Optimum Design of 4-Upu Parallel Robot Using Condition Number", International Journal of Industrial Engineering Research and Development, 6(2), 2015, pp. 34-38.

### **Conferences:**

1. "Effect of Design parameters on elastic coefficients of machine foundation: an overview", Prathibha 2k12 - A National level technical paper presentation at TKR College of Engineering & Technology, Hyderabad on 14th March, 2012.
2. "Design & Analysis of foundation in vibrating machines: An overview", Siddhahastha 2K12 - A National level technical paper presentation at Siddhartha Institute of Science & Technology, Hyderabad. On 30th March, 2012
3. "Design of Machine Foundation: An overview", 1st Young Geotechnical conference of Andhra Pradesh (ygeotech 2012) under Indian Geotechnical Society, at IIIT, Hyderabad on 31st March , 2012.
4. "The study of laws of radiation and elastic constants in quantum wires and quantum dot superlattices of nonparabolic biomaterials", National conference on Nano science, Nano engineering & applications{NCONSEA-2012} at **JNTU Hyderabad** on 27th - 28th April, 2012.
5. " The roads and the road-blocks for India's Energy Self-Sufficiency" at International Conference on Advances & innovations in Mechanical Engineering (AIME 2013) at SPSU, Udaipur, India, on October 2013.
6. "The various facets of MOOC (Massive open online course)", IEEE International Conference on MOOC, Innovation and Technology in Education (MITE) at Poornima Institute of Engineering & Technology, Jaipur, on December, 2013
7. "Concreteness of Data Management in Semantic Web Business Domain Analytics", was jointly presented by me and A. Chandrsekhar at ' 6th International Conference on Analytics for Effective Marketing ' organised by IBS ( IFHE) , Hyderabad , October 30-31, 2015.