

Faculty Profile

Name: **Dr. Chandra Shekhar A**
Designation: Asst. Prof.
Teaching Areas: Engineering Graphics, Machine Drawing, Machine tools & Metrology, CAD/CAM, Production Technology, Robotics,
Research Interests: Robotics, Mechatronics, Machine learning, AI.
Mechatronics and Nanotechnology
Education: PhD – Mechanical Engineering from JNTU Hyderabad (2018)
MBA Operations Mgmt. from Sikkim Manipal University (2011)
M.Tech. Industrial Engg & Management from JNTUH(2006)
B.Tech. Mechanical Engineering from JNTU Hyderabad (2004)



Professional Experience: (16 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

Research / Selected Publications: Total - 24

1. **A. Chandrashekhar**, UrvinDesai, P. Abhilash, "PATH PLANNING OF A SERIES ROBOTS USING A* ALGORITHM, EAI/Springer Innovations in Communication and Computing, ISBN 978-3-030-49794-1.
2. **A.Chandra Shekhar**, S.Shahab, S.HimamSaheb, "Analysis of Geneva mechanism using Dwell Symmetrical Coupler Curve Mechanism" Materials Today: Proceedings, 2020,. Scopus/ Google Scholar
3. **A. Chandrashekhar**, G. Satish Babu, "Performance Analysis of Gough Stewart Platform with 6 Limbs" Mechanics and Mechanical Engineering, WydawnictwoPolitechnikiLodzkiej, Vol. 22, No. 1, Nov, 2018, PP 133–141. Scopus/ Google Scholar.

Research/ Selected Conferences: Total – 39

1. **A Chandrashekhar**, Urvin Desai and P Abhilash " Cost prediction using gradient descent algorithm" First International Conference on Advances in Physical Sciences and Materials 2020 (ICAPSM 2020), Mechatronics SNS College of Technology ,Coimbatore, Tamil Nadu, INDIA on 13 – 14 August, 2020.
2. **A. Chandrashekhar**, UrvinDesai , P. Abhilash "PATH PLANNING OF A SERIES ROBOTS USING A* ALGORITHM", International Conference on Mobile Computing and Sustainable Informatics (ICMCSI 2020), Tribhuvan University, Nepal on 23-24 January 2020.
3. **A.Chandrashekhar** , S.HimamSaheb , S. Ranjan Mishra , Tushar Srivastava" Static Structural Analysis of Hybrid Honeycomb Structures Using FEA" 3rd International Conference on Innovations in Mechanical Engineering, Guru Nanak Institutions, Hyderabad on 10th & 11th Jan 2020.

Patents: (International Granted - 1)

S.No	Patent Number	Title of the patent	Year of Award of Patent
1	2020102044	A Smart and Automated patient monitoring bed for COVID patients	Granted Eight years from 28 August 2020

Selected Patents: (Published - 5)

2	201841036063	A Device For Detecting Synthetic Food Ingredients	Published Issue 05/10/2018
3	202041024955	Mind-Controlled Drone: Using Brainwaves and Deep learning to control drone through thoughts	Published Issue 26.06.2020

- **Faculty Advisor:** SAE Baja 2014 ,EFFI – CYCLE 2014,SAE Baja 2015 ,SUPRA SAEINDIA student FORMILA 2015
- **Memberships in Societies:** ROBOTICS SOCIETY OF INDIA, Member of the International Association of Engineers, Hong Kong, ISTE, IEEE etc.,