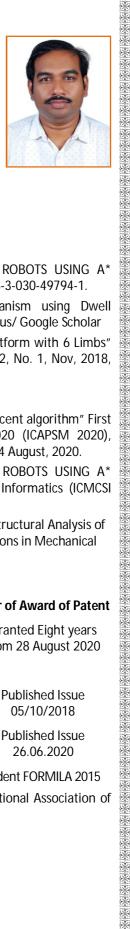
Faculty Profile

Name:	Dr. Chandra Shekhar A	
Designation:	Assistant Professor	
Teaching Areas:	Engineering Graphics, Machine Drawing, Machine tools & Metrology, CAD/CAM, Production Technology, Robotics,	
Research Interests:	Robotics, Mechatronics, Machine learning, Al.	
	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)	



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.,