

Dr. Shailendra Singh Chauhan



Areas of Interest:

- Machine Design, Robotics and Automation, Biomechanics

Education

- **Ph. D. (2011)**, Gautam Buddha Technical University, Lucknow formerly Uttar Pradesh Technical University, Lucknow.
- **M.Tech. (System Engg.)2002**,DEI, Dayalbagh University, Agra
- **B.E. (1998)**: Marathwada University Aurangabad (M.S.)

Academic Experience

Sr. No.	Post/Responsibilities	Organization	Period	Years
1	Professor & Director	BBDITM, Lucknow	05, July 2021 to till date	
2.	Professor & NBA Coordinator, Head Centre of Excellence, Head, Entrepreneurship Development Cell	G.L. Bajaj Institute of Technology & Management, Greater Noida.	01, August 2018 to 30 June 2021	03 Years
3.	Deputy Director & Dean Academic, NIRF Coordinator	ABES Institute of Technology, Ghaziabad	11 August 2017 to 31 st August 2018	01 Year
4.	Director	Skyline Institute of Engineering & Technology, Greater Noida	12 April 2014 to 10 August 2017	More than 03 Year
5.	Dean / Professor In-charge of Second Shift program	ITS College of Engineering & Technology, Greater Noida.	01 May 2013 to 10 March 2014	01 Year
6.	Director, Educational Planning and development	IEC University, Baddi (HP)	10 Dec. 2012 to 30 April 2013.	10 Year
7	Professor & Dean	I.E.C. College of Engineering & Technology, Greater Noida.	19 August 2002 to 09 Dec 2012.	
8	Lecturer & Sr. Lecturer	Hindustan College of Science and Technology, Mathura. (Sharda Group of Institutions)	October 28, 1998, to 18 August 2002.	04 years

Selected Publications

1. Shailendra Singh Chauhan “Study and Evaluation of the Mechanical Properties on sawdust reinforced epoxy-based Composite” World Journal of Engineering, 4 August, 2021

2. Shashi Prakash Dwivedi, Manish Maurya, Shailendra Singh Chauhan “Mechanical, Physical and Thermal Behaviour of SiC and MgO Reinforced Aluminium Based Composite Material”EVERGREEN Joint Journal of Novel Carbon Resource Sciences & Green Asia Strategy, Vol. 08, Issue 02, pp318-327, June 2021
3. SS Chauhan,A K Khare“Kinematic Analysis of the ABB IRB 1520 Industrial Robot using RoboAnalyzer Software”EVERGREEN Joint Journal of Novel Carbon Resource Sciences & Green Asia Strategy, Vol. 07, Issue 04, pp510-518, December 2020
4. SS Chauhan, S C Bhaduri“Structural analysis of a Four-bar linkage mechanism of Prosthetic knee joint using Finite Element Method”EVERGREEN Joint Journal of Novel Carbon Resource Sciences & Green Asia Strategy, Vol. 07, Issue 02, pp209-215, June, 2020
5. SS Chauhan, Kinematic and Kinetic Gait Analysis of bilateral Knee Osteoarthritis and Its Effects on ankle and hip Gait Mechanics, EVERGREEN Joint Journal of Novel Carbon Resource Sciences & Green Asia Strategy, Vol. 07, Issue 03,pp359-365, September, 2020
6. Chauhan, S.S, Dwivedi, S.P. (2020). Surface roughness and material removal rate behaviors of hard materials such as titanium alloy, nickel-based super alloy and tool steel. TECNICA ITALIANA-Italian Journal of Engineering Science, Vol. 64, No. 2-4, pp. 259-264. <https://doi.org/10.18280/ti-ijes.642-420>
7. SS Chauhan, “Kinematic and kinetic analysis of knee joint during squatting”, IOP Conf. Series: Materials Science and Engineering 691 (2019) 012020 IOP Publishingdoi:10.1088/1757-899X/691/1/012020
8. SS Chauhan, Prem Shankar Singh , “Fabrication and testing of plastic sand brick” IOP Conf. Series: Materials Science and Engineering 691 (2019) 012083 IOP Publishingdoi:10.1088/1757-899X/691/1/012083
9. Shailendra Singh Chauhan, Jitendra Kumar Singh, Himanshu Singh, Sanjeev Mavi, Vaibhav Singh, Md Intzar Khan, An overview on recycling plastic wastes in bricks, Materials Today: Proceedings,Volume 47, Part 13,2021,Pages 4067-4073,ISSN 2214-7853,<https://doi.org/10.1016/j.matpr.2021.05.697>.
10. Shailendra Singh Chauhan, Nagendra Kumar Maurya, Shashi Prakash Dwivedi, “Effect of Particle Size and Weight Percent of Different Wood Dust on the Tensile Strength of Glass Fiber Epoxy/Saw Dust Composite Using RSM” Materials Today: Proceedings, 2021Volume 47, Part 13,2021,Pages 3936-3942, ISSN 2214-7853,<https://doi.org/10.1016/j.matpr.2021.03.635>.
11. Chauhan S.S., Khare A.K. (2022) Method of Obtaining Planar State of Stress Using Mohr’s Circle—Some Typical Cases. In: Popuri B., Tyagi A., Chauhan N.R., Gupta A. (eds) Recent Trends in Engineering Design. Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-16-2900-6_4
12. Shailendra Singh Chauhan ,SS Saxena “Investigation On Automobile Fire And Its Root Causes”, Smart Innovation, Systems and Technologies, (Conference Proceedings) Springer (2021) 2021

Other details:

Patents

India Patent Application Number	Titles	Applicants	Inventors	Date on filling and publication
202111040595	Academic Competency and Commitment Based Self-Assessment by Institutions Seeking	BBDITM	Dr SS Chauhan Dr. A. K. khare	Filled On: 07/09/2021 Published On: 05/11/2021

	Ranking in NIRF			
202111012052	Shoulder heating pad	G L Bajaj Institute of Technology and Management, Greater Noida	Dr Shailendra Singh Chauhan	Filed On: 21/03/2021 Published On: 12/11/21
202111008148	Systems and methods for recycling of plastic waste to manufacture an object	G L Bajaj Institute of Technology and Management, Greater Noida	Dr Shailendra Singh Chauhan	Filed On: Feb.26, 2021 Published On: 12/11/21
202011027394	Development of glass fiber epoxy/sawdust composite and evaluation of their mechanical properties	G L Bajaj Institute of Technology and Management, Greater Noida	Dr Shailendra Singh Chauhan, Dr Nagendra Kumar Maurya	Filed On: June 28, 2020 Published On: 31/12/2021
202011027395	Earthquake detection alarm using vibration sensor & microcontroller for concrete and steel structures	G L Bajaj Institute of Technology and Management, Greater Noida	Dr Shailendra Singh Chauhan, Dr. Mohit Bansal, Mr. ShivendraKaura	Filed On: June 28, 2020 Published On: 31/12/2021
202011033223	System and method for a potential vehicular fire incident detection.	G L Bajaj Institute of Technology and Management, Greater Noida	Dr Shailendra Singh Chauhan, Air Cmd SS Saxena Dr. Mohit Bansal	Filed On: August2,2020 Published On: