


### Faculty Profile

Name	Vinod Chauhan			
Designation	Assistant Professor			
Pay Scale	79900 (Level 11)			
Department	Mechanical Engineering			
Qualification	Master of Engineering			
Date of Joining 01/01/2016	Institute Chandigarh College of Engineering and Technology (Degree Wing)	Present Post Assistant Professor		
Experience ( <i>in years</i> )	Total 18	Teaching 18	Industry ----	
Research Interests	Magnetorheological fluids and dampers, Mechanics of Materials, Theory of Machines			
Contact Details:	Email vinodchauhan@ccet.ac.in	Mobile/Phone 9466736896		
Research Publications	International Journals 04	National Journals ----	International Conferences 02	National Conferences ----
Books/Chapters Published	----			
Research Guidance	Ph. D.	----	Masters	----
Research Projects	Completed	----	In progress	----
Consultancy Projects	Completed	----	In progress	----
Seminar/Conference/STTPs	Attended	20	Organized	----
Professional Affiliations	Member-Institution of Engineers (India)			
Awards/ Fellowships etc.	----			
List of Publications	<ul style="list-style-type: none"> <li>➤ Synthesis and performance evaluation of magnetorheological fluid for continuous flow finishing process. Indian Journal of Engineering and Materials Sciences (IJEMS), 31(3), 374-387. ISSN: 0975-1017</li> <li>➤ Magnetorheological Fluids: A Comprehensive Review in Manufacturing Review, Volume 11, 6. February 11, 2024, ISSN: 2265-4224 (ESCI and Scopus Indexed)</li> <li>➤ Design of Magnetorheological Fluid Damper with Optimal Damping Force in International Journal of Mechanical Engineering and Robotics Research, Vol. 13, No. 1, Feb 6, 2024, ISSN: 2278-0149 (ESCI and Scopus Indexed)</li> </ul>			

	<ul style="list-style-type: none"> <li>➤ Preparation and rheological analysis of MR fluids. Int. J. Mech. Prod. Eng. Res. Dev., 2020, 297-304.</li> <li>➤ Analysis of Magnetic Field Density and Shear Stress in Magneto-Rheological Damper in Third Global Conference on Recent Advances in Sustainable Materials (GC-RASM 2023) PGP College of Engineering &amp; Technology, Tamil Nadu, India during 27 - 28, July 2023.</li> <li>➤ Investigation of Sedimentation Ratio and Off-State Viscosity of Magnetorheological Fluids in International Conference on Design and Manufacturing Technologies- 2024, PEC Chandigarh, India during 8th – 10th, November 2024.</li> </ul>
Research Project Detail	-----
Patent Detail	<ol style="list-style-type: none"> <li>1. Received utility model German Patent for the “Automatic Multi Arrangement/ Functional Window System on 13<sup>th</sup> July 2022. Patent no: 20 2022 103 624.</li> <li>2. Published design patent on “Top loading Stapler” from the PATENT office, Govt. of India. Design number 335700-001; Journal No is 29/2021 and Journal Date is 16/07/2021.</li> <li>3. Granted patent on “A Device of Plaster of Paris (POP) applicator and methods thereof”. Application No. 202211030548 A; Date of filing of Application: 27/05/2022.</li> <li>4. Published patent on “A system of multi-arrangement/function window”. Application No.202211023355 A; Date of filing of Application:20/04/2022 (43) Publication Date: 27/05/2022.</li> <li>5. Granted patent on “A System of Automatic Electromagnetic Clutch Using Ultrasonic Sensor; Application No. 202311039171 A; Application filing date: 08/06/2023.</li> </ol>
Consultancy	----
Ph.D Scholars Name	----
Institute Responsibility	Incharge-Public Health, Incharge (Fire-Fighting, water coolers & Air Conditioners)
Department Responsibility	Incharge-Library, Incharge-Furniture, Incharge of Engineering Graphics, Engineering Mechanics, Theory of Machines and 3-D Printing Lab
Any Other Information	<ul style="list-style-type: none"> <li>➤ Completed 02 weeks of Industry/Professional training in Mechanical Engineering at ATOP Fasteners, Industrial area, Mohali from 18<sup>th</sup> July 2022 to 30<sup>th</sup> July 2022.</li> <li>➤ Completed 08 NITTT module courses (A Comprehensive Training Policy for Technical Teachers) in February 2021</li> <li>➤ Completed 2 weeks of Refresher Course in Mechanical Engineering at NITTTR Chandigarh in 2019.</li> <li>➤ Completed 4 weeks of UGC Sponsored Orientation Programme at UGC HRDC, Panjab University, Chandigarh from 13/11/2018 to 10/12/2018.</li> </ul>

Signature of faculty