

Faculty Profile

Faculty Name	Prof. Dinesh Pratap Singh Chauhan	
Designation	Professor	
Qualification	Ph. D. (IITB) M. Tech. (IITK) B. E. Hons. (MANIT)	
Email	dean.academics@piet.co.in	
Area of Interest	Machine Design, Machinery Vibrations	
Work Experience (Total)		
• Teaching	31 years	
• Research	3 years	
• Industry	-	
• Others	-	
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	Mechanical Design (B. E.) Mechanics of Solids (B. E.) Mechanics: Dynamics (B. E.) Mechanical Vibrations (B. E.) Mechanics: Statics (B. E.) Theory of Machines (B. E.) Vibration and Noise Control (M.E.) Mechanical Measurements (B. E.) Condition Monitoring (M. E.) Reliability Engineering (M. E.) Material Science (B. E.) Failure Analysis (M. E.) Engineering Graphics (B. E.) Dynamic Modeling (B. E.)	
Membership of Professional Bodies	ISTE	
Research Publications		
• Research Papers UGC-CARE	-	

• Research Papers SCOPUS	2
• Research Papers WoS/SCI/ABDC	1
• List of Publications	-
Book and Chapter Publications	
• Books Authored published by International Publishers	-
• Books Authored published by National Publishers	-
• Publication of Chapter in Edited Books	-
• Editor of Book by International Publishers	-
• Editor of Book by National Publishers	-
• Translation Work of Book	-
• List of Book and Chapter Publications	-
Patents	
• Published	-
• List of published patent(s)	-
• Filed	-
• List of filed patent(s)	-
PhD Guidance	
• Degree Awarded	-
• Thesis Submitted	-
M. Tech. Guidance	-
• Degree Awarded	07 03 –MS by research

<ul style="list-style-type: none"> • Thesis Submitted 	-
Research Project	
<ul style="list-style-type: none"> • List of Research project 	Development of expert system for fault diagnosis of power plant machinery using vibration analysis. Principal Investigator for the research project funded by Department of Science and Technology, Malaysia. (Amount Approx. INR 35 Lacks).
Consultancy	
<ul style="list-style-type: none"> • List of Consultancy 	<ul style="list-style-type: none"> • Design and development of components, mechanical systems, for various industries. • Foundation design for sophisticated instrument mountings not covered under ISO standards • Regular consultant for 3 years to power sector on various issues with balancing, fault assessment, run up and coast down tests, start-up issues etc. in gas and steam turbines. • Prognosis in refinery pumping system. • Bridge vibration testing. • Investigations on whine noise in synchro-mesh gearboxes. • Foundation for coordinate measuring machine in vibratory environment. • Noise estimation in Herringbone gears. • Vibration analysis of the long focus camera mount in a small surveillance aircraft to avoid jitter: • Vibration testing of automobile air-conditioning components.
Awards & Honours	
<ul style="list-style-type: none"> • List of Awards & Honours 	<ul style="list-style-type: none"> • Invited Research Scholar for the project ARDB/ME/96203 for three weeks in

	<p>May 1999 in IIT Kanpur.</p> <ul style="list-style-type: none"> • ‘Utkarsh Abhiyanta Samman by Sayunkt Abhiyanta Ayojan Samiti’, Raipur, C. G., 15 September 2007. • Jury Member, 2007, 10th F. L. Smidth Energy Conservation Seminar and Award function, Organised by CG and MP cement manufacturing association. • Gandhi Centenary Merit Award by Bhilai Steel Plant.
Invited lectures / Resource Person/ paper presentation in Seminars/ Conferences/full paper in Conference	
<ul style="list-style-type: none"> • International (Abroad) 	<ul style="list-style-type: none"> • Invited Lecture/Resource Person -1 • Conference - 6
<ul style="list-style-type: none"> • International (Within Country) 	<ul style="list-style-type: none"> • Invited Lecture/Resource Person -1 • Conference - 2
<ul style="list-style-type: none"> • National 	<ul style="list-style-type: none"> • Invited Lecture/Resource Person -1 • Conference - 3
<ul style="list-style-type: none"> • List of published papers 	-
Organizing National Conference/ International Conference/ FDP/STTP	2
<ul style="list-style-type: none"> • List of Conference/FDP/STTP committee 	<p>FDPs Organized as major speaker</p> <ul style="list-style-type: none"> • Reliability Cantered Maintenance • Machinery Vibration Monitoring and Analysis
Social Contributions and Sports	
<ul style="list-style-type: none"> • List of Social Contributions and Sports 	-