

CURRICULUM VITAE

MADAN LAL CHANDRAVANSHI

Assistant Professor

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Academic Qualification	<ul style="list-style-type: none">➤ PhD. in Mechanical Engineering Department, 2017, awarded from Indian Institute of Technology (Indian School of Mines), Dhanbad)➤ M. Tech. In mechanical Engineering, awarded from SVNIT SURAT in 2008➤ B.E. in Mechanical Engineering, awarded from Rewa Engineering College, RGPV Bhopal, (M.P.) in 2006➤ 10th and 12th from JNV Rampura (M.P.), CBSE Board in year 2000 and 2002 respectively.				
Work Experience	ORGANIZATION		Designation	From(Date)	To (Date)
	➤ <i>Indian Institute of Technology (Indian School of Mines) Dhanbad, India</i>		Assistant Professor	25/06/2012	Continuing
	➤ <i>National Institute of Technology, Goa</i>		Faculty	06/01/2012	19/06/2012
	➤ <i>IIT Kharagpur, W.B., India</i>		Senior Research Fellow	25/04/2011	02/01/2012
	➤ <i>Mandsaur Institute of Technology, Mandsaur (M.P.), India</i>		Lecturer	29/09/2010	19/04/2011
	➤ <i>Reliance Industries Limited, (Vadodara and Jamnagar) Gujarat, India</i>		Field Operational and Panel Engineer	24/07/2008	05/10/2010
Research Activities	Sl. No.	Name of PI/Co-PI etc.	Sponsoring Authority	Topic/ Field	Sanctioned Amount in Lakh (Rs.)
	1.	Dr. M. L Chandravanshi (PI)	DST(Proj. no. DST/(81)/2013-14/ 360 / Mech. Engg.	Diagnosis of a vibrating structural failure through modal analysis	17.03

	2.	Dr. M.L. Chandravanshi (PI) and Mofareh Gazwani, Jazan University, Saudi Arabia (Co-PI)	Jazan university, Saudi Arabia, JAZANU/2021-2022/810/MEC H	Research Cooperation on project “Structural and machinery failure analyses through Vibration and Acoustic techniques”	6.00
	3.	Dr Rakesh Kumar (PI) and Dr Madan Lal Chandravanshi (Co-PI)	CSIR, Sanction Order No. 22/0869/23/E MR-II dated 14.07.2023	Design, Fabrication and Calibration of Nanomaterial based Temperature Sensors for short-Duration Transient Measurements	17.04
	<p>➤ Developed a test setup for resonance testing on a designed and developed Vibratory Feeder model.</p> <p>➤ One PhD guided as a sole and Guiding 3 Ph.D. Scholars at present.</p> <p>➤ 23 M. Tech Students have carried out dissertation since 2012 and presently providing guidance to 2 M. Tech students in the academic year 24-25.</p> <p>➤</p> <p>➤ Worked as a Senior Research Fellow in IIT Kharagpur from April -2011 to December 2012 on a project “<i>Development of robust signal processing techniques for detection of underwater impacts and burst noise</i>” or ‘UIB’ sponsored by Ministry of Earth Science (MoES) under guidance of Prof. A.R. Mohanty, IIT Kharagpur.</p> <p>➤ (i) PATENT granted on the invention “A machine structure to reduce Vibration of Micro-Milling Machine”, on 24/07/2020, Name of the inventor, Vivek Bajpai, Arnab Das, Shashank Shukla, Chitransh Singh, Mohan Kummar and M. L. Chandravanshi.</p> <p>➤ (ii). Patent Application submitted for, Ferrous particles collector machine, Name of the inventors: Madan Lal Chandravanshi, Divya Mohan and Rakesh Kumar</p> <p>➤ Coordinator of the Workshop “Condition monitoring of Machines”, No. DRD/(WORKSHOP)/62/2023-2024, co-cordinator Prof. Sachin Kumar Singh, which was conducted on 20-21 April 2024</p>				
Patent					
Administrative Responsibility	<p>➤ Worked as a Hostel Warden in Jasper Hostel for the two years from May 2018 to May 2020</p> <p>➤ In-charge of Three Laboratories namely: Mechanical Vibration and Acoustic and Material Handling equipment Laboratories.</p> <p>➤ Faculty in-charge of student group “KARM-JYOTI” (NGO) under Central for societal mission (CSM), IIT(ISM) Dhanbad.</p>				

	<ul style="list-style-type: none"> ➤ Member of Departmental under Graduate Committee (DUGC) in year 2021-22.
Awards and Appreciation	<ul style="list-style-type: none"> ➤ Received third prize in 1999 in National Youth Parliament organized by Navodaya Vidhyalaya Samiti at JNV Bilaspur (Chhattisgarh), Ministry of Parliamentary Affairs, and Government of India. ➤ Received appreciation letter plant in 2010 from HOD of VCM/PVC plant for playing LEAD Role in Successful commissioning and Replacement of an old Caustic Tank with New of Tank of volume 130 m³ capacity, without shut down of the . ➤ Awarded with ‘A’ Certificate in N.S.S. for Social Service from Vikram University in 2002, Ujjain (M.P.). ➤ Awarded with the Best Research Paper by M.L. Chandravanshi, G. Srinivas and A.R. Mohanty “<i>Characteristics of Underwater Bubble Noise</i>” National Symposium on Acoustics-2011, Bundelkhand University, Jhansi, India.16-19 November 2011. Page no. 420-434, ISBN NO. 978-81-8329-440-9. ➤ Awarded with the Best Research Paper by P. K. Mishra, A. K. Giri, and M. L. Chandravanshi, International Conference in Advancements in Design and Tribology (ICADT-2021), 17-18 December, 2021 at SVNIT Surat.
Extra- Curricular Activities	<ul style="list-style-type: none"> ➤ Participated in Inter IIT sports meet as a volleyball player in inter IIT staff sports meet held at IIT Guwahati (2019), IIT Khargapur (2020) and IIT Gandhinagar (2024). ➤ Subject Matter Expert (SME) for Various Competitive exams as when required. ➤ Given expert lecture in Webinar on “Condition monitoring of Machines” at Mechanical Engineering Department, Budge Budge Institute of Technology through online mode on 26th June 2021.
Conference and training Attended	<ul style="list-style-type: none"> ➤ Attended the International conference IMEC-2013 organized by AMSE at Manchester Grand Hyatt, San Diego, CA, USA and presented a paper on Modal Analysis of structural Vibration, Paper (IMECE 2013- at 62533) on 15 - 21 Nov. 2013. ➤ M.L. Chandravanshi, Biren Fozdar and Manish Kumar Rajak, oral presentation of paper titled as “Comparative Study of Motorcycle Cast Alloy and Spoked Wheels In Terms of Modal Parameters Using Fem” in the 11th International Conference on Mechanics, Materials and Manufacturing (ICMMM) to be held in Warsaw, Poland in June 14-16. ➤ Attended a conference at NIT Truchirappalli, 13-15 June 2014 TN, India (Paper Published in Journal Applied Mechanics and Materials, 2014, Vol. 592, pp. 2122-2126). ➤ Attended national conference MENTCA 2015 at ISM, Dhanbad during 9-10 October 2015. ➤ Scheduled has been planned for attending the international conference for oral presentation of paper titled as “COMPARATIVE STUDY OF MOTORCYCLE CAST ALLOY AND SPOKED WHEELS IN TERMS OF MODAL PARAMETERS USING FEM” in the 11th International Conference on Mechanics, Materials and Manufacturing (ICMMM) to be held in Warsaw, Poland in June 14-16.
Personal Information	<p>Nationality : Indian</p> <p>Language Known : English, Hindi, Gujarati</p>