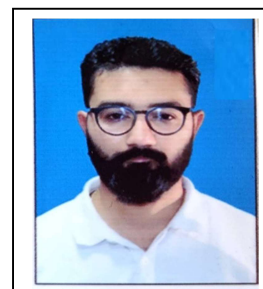


DR JIVRAJ N MEHTA GOVERNMENT POLYTECHNIC AMRELI

FACULTY PROFILE



Name	Harshraj Dangar
Designation	Lecturer
Department	Mechanical Engineering
Date of Joining	11/07/2017

Qualification

Qualifying Examination	University	Institute	Year of passing
BE (Mechanical)	HNGU-Patan	Government Engineering College, Modasa	2011
ME (Thermal)	GTU-Ahmedabad	LDRP-ITR, Gandhingar	2013
Phd	MU-Rajkot		Pursuing

Work Experience

Total experience in Years:	Industry	Role
4 Years	Marwadi Education Foundation Group of Institutions, Rajkot	Assistant Professor
7 Years	Dr Jivraj N. Mehta Government Polytechnic, Amreli	Lecturer (Current)

Skills & Knowledge

AutoCAD MS Office

Courses Taught

Thermal Engineering-II Thermal Engineering-I Engineering Thermodynamics Industrial Engineering and Management Tool Engineering Engineering Workshop Practice Fluid Mechanics and Hydraulic Machines Environment Conservation and Hazard Management

Training & Workshop

Sr No	Training Name	Venue	Period
1	Attended seminar on Fundamentals of Tribology	MEFGI, Rajkot	08/10/2013
2	Faculty Development Programme for Effective mentoring skill	MEFGI, Rajkot	24/09/2013 TO 25/09/2013
3	Faculty Development Programme Level-1	MEFGI, Rajkot	03/06/2014 TO 04/06/2014
4	Participate in QIP on Modelling and Analysis of Mechanical System	MEFGI, Rajkot	22/12/2014 TO 24/12/2014
5	Faculty Development Programme Level-2	MEFGI, Rajkot	13/03/2015 TO 14/03/2015
6	Faculty Development Programme on Heat Transfer Using ANSYS CFD	MEFGI, Rajkot	21/01/2016 TO 23/01/2016
7	Faculty Development Programme on Design Engineering	GIC-S4-Co-Creation Center Ahmedabad.	04/04/2016 TO 07/04/2016
8	Faculty Development Programme Level-3	MEFGI, Rajkot	28/06/2016 TO 29/06/2016
9	Faculty Development Programme on Beyond the classroom towards the excellence	IITE, Gandhinagar	12/07/2018 TO 18/07/2018 (1 Week)
10	Induction Phase 1	NITTTR, Ahmedabad.	17/09/2018 TO 28/09/2018 (2 Week)
11	Concept of Thermodynamics	NPTEL-MOOC	29/07/2019 TO 18/10/2019 (12 Week)
12	Experimental Methods in Fluid Mechanics	NPTEL-MOOC	27/01/2020 TO 17/04/2020 (12 Week)
13	Accreditation for Diploma Engineering Programmes	NPTEL-MOOC	27/01/2020 TO 13/04/2020 (12 Week)
14	Comprehensive Online Intellectual Property Rights (IPR)	ONLINE (I-HUB)	06/07/2020 TO 14/09/2020 (2 Week)
15	UDAYAM (Unlimited Digital Advanced Yearlong Academic Method of Learning) E-Content Development Course	KCG Gujarat,	28/07/2020 TO 18/08/2020
16	Recent Development in Renewable Energy	GEC Bharuch (Online Mode)	05/04/2021 TO 09/04/2021 (1 Week)
17	Joining Technology for Metal	NPTEL-MOOC	23/08/2021 TO 16/10/2021 (8 Week)
18	Induction Phase-II	NITTTR Bhopal (Online Mode)	15/11/2021 TO 26/11/2021 (2 Week)
19	Element of Solar Energy Conversion	NPTEL-MOOC	25/07/2022 TO 14/10/2022 (12 Weeks)
20	Introduction to Research	NPTEL-MOOC	22/08/2022 TO 14/10/2022 (8 Weeks)
21	Solar Energy Engineering And Technology	NPTEL-MOOC	24/07/2023 TO 13/10/2023 (12 Weeks)
22	Fundamentals Of Artificial Intelligence	NPTEL-MOOC	24/07/2023 TO 13/10/2023 (12 Weeks)
23	Industrial Training at AMR Dairy, Member of GCMMF, Amreli	AMR DAIRY, Amreli	20/06/2024 TO 10/07/2024 (3 Weeks)

Portfolios

College Level	Department Level
<ul style="list-style-type: none"> Committee Member of GTU. Committee Member of Online fee collection. Committee Member of Post Matric Scholarship. Maintenance of Electrical side RO System. 	<ul style="list-style-type: none"> Committee Member of Time Table. Committee Member of Departmental Inspection Data. Committee Member of BISAG.

Research Projects

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Publications

Sr. No.	Paper Title	Name of publisher	Author	Inter-national / National Level	ISSN / ISBN Number/ Other Identification	Month & Year	Remarks
1	Review on the Combine Effect of Exhaust Gas Recirculation (EGR) and Inlet Air Pressure on Performance and Emission of Diesel Engine.	IJAERS	Harshraj Dangar and Gaurav P. Rathod	Inter-national	2249-8974	Dec-12	Volume No-02, Issue No.-01 Page No. 154-156
2	Combine Effect of Exhaust Gas Recirculation (EGR) and Varying Inlet Air Pressure on Performance and Emission of Diesel Engine.	IOSR-JMCE	Harshraj Dangar and Gaurav P. Rathod	Inter-national	e-ISSN: 2278-1684 p-ISSN: 2320-334X	May-June 2013	Volume No-06, Issue No.-05 Page No. 26-33
3	Performance evaluation of direct absorption solar flat plate collector using thermic fluid.	IJAREST	Ravi J. Majethiya and Harshraj Dangar	Inter-national	2393-9877	May-16	
4	Performance and Emission Characteristics of	IJATES	Pradip Bhadresha and	Inter-national	2348-7550	Feb-17	Volume No-05, Issue No.-

	Constant Speed Compression Ignition Engine Operating on Rice Bran, Sesame and Diesel Oil Blend - Review		Harshraj Dangar				02 Page No. 345-353
5	Effects of Exhaust Gas Recirculation and Linseed Biodiesel Blend on Performance and Emission in Constant Speed Diesel Engine	IJISRT	Harsh Ashar and Harshraj Dangar	Inter-national	2456-2165	Jun-17	Volume 2, Issue 6, Page No. 217-222
6	Parametric Optimization for Emission of Diesel Engine using Blends of Karanja Biodiesel by Taguchi Method	IJARESM	Mr. Kanji H. Siju and Mr. Harshraj G. Dangar	Inter-national	2455-6211	Mar-23	Volume 11 Issue 3, Page No. 664-675

Academic Projects

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Patent Filed

Sr. no	Name of the University/ Institute	Appli-cation Number	Filing Date	Status of Patent	Inventor's Name	Title of Invention	Field of Invention	Granted Patent Number
1	Marwadi University	361045-001	22-03-2022 Date of Issue 30-05-2022	Publi-shed	Marwadi University, Harshraj Gokalbhai Dangar, Kotak Sumeetkumar Prafulbhai, Dr. Nikhilkumar Jagjivanbhai Chotai, Dr. Ramdevsinh Lalubhai Jhala, Smit Yogeshbhai Bhalodia,	Tracking Mecha-nism of Parabolic Trough Collector	Solar Tracking Mecha-nism	114496

					Kuldeep Kantilal Bhojani, Rushabh Pareshbhai Joshi, Bhavin Rajeshbhai Umaraniya			
2	Marwadi University	396988-001	07-10-2023 Date of Issue 05-01-2024	Published	Marwadi University, Harshraj Gokalbhai Dangar, Dr. Nikhilkumar Jagjivanbhai Chotai, Dr. Karan Hiralalbhai Motwani, Mohammad Fadhil Fawmy, Munaphat Apollos Joshua, Panashe Magodi Banguru, Ian Kiprono, Arnold Naison Mutasa	Solar Radiation Concentration Test Rig for Fresnel Lens	Solar	152409

Professional Institute Membership

International Association of Engineers (IAENG)- LM 148309

Expert Lectures

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Awards

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