

Name of Teaching Staff	:	Dhananjay S. Shukla		
Designation	:	Assistant Professor		
Department	:	Mechanical Engineering		
Date of Joining the Institution	:	05.01.2015		
Email ID	:	Dhanajay.Shulka@djsce.ac.in		
Office Contact	:	9987521897 / 9653607463		
Google Scholar Link	:	https://scholar.google.com/citations?hl=en&user=sfUByO0AAAAJ		
Research gate Link:		-----		
ORCID		-----		
Publons Researcher ID	:	-----		
Qualifications with Class / Grade	:	M.Tech. Mechanical Engineering with specialization in Thermal Engineering Veermata Jijabai Technological Institute (VJTI), Matunga, Mumbai University of Mumbai 9.8 CPI (Gold Medalist) July 2013. B.E. in Mechanical Engineering S.S. Jondhale College of Engineering, Dombivli, Maharashtra University of Mumbai 79.50% - 6th Rank in University of Mumbai & 1st Rank in S.S. Jondhale College of Engineering May 2010.		
Total Experience in Years	:	Academic Experience - Assistant Professor, SVKM’s Dwarkadas J. Sanghvi College of Engineering, Vile Parle (W), Mumbai, Maharashtra – 05 January 2015 to present. - Assistant Professor, Konkan Gyanpeeth College of Engineering, Karjat, Maharashtra – 10 January 2014 to 22 August 2014. - Assistant Professor, A.C. Patil College of Engineering, Kharghar, Navi Mumbai, Maharashtra – 05 August 2013 to 23 December 2013. - Lecturer, S.S. Jondhale College of Engineering, Dombivli, Maharashtra – 21 September 2010 to 19 June 2011. Industry Experience - Project Intern, Cummins India Ltd. – 2 Months - Project Intern (Research collaboration with NPCIL), Nuclear Power Corporation of India Ltd. (NPCIL) — 1 year		
Papers Published in Journal:	:	N. P. Gulhane, A. D. Landge, D. S. Shukla, and S. S. Kale (2015). Experimental Study of Iodine Removal Efficiency in Self-Priming Venturi Scrubber . <i>Annals of Nuclear Energy</i> , 78, 152–159. ISSN: 0306-4549. DOI: 10.1016/j.anucene.2014.12.008 .		
Papers Presented in Conferences		[1] Dhiraj Nigade, Dhananjay Shukla, Ravikant Hattale (2020), A Review on Squeeze Casting of Aluminium-Based Alloys and Its Composites, Proceedings of International Conference on Intelligent Manufacturing and Automation, Lecture Notes in Mechanical Engineering, Dwarkadas J. Sanghvi College of Engineering, Vile Parle, https://link.springer.com/chapter/10.1007/978-981-15-4485-9_48 .		

		[2] Amit Chaudhari, Aditya Rane, Shamir Talkar, Pavan Rayar, Dhananjay Shukla (2021), Designing and Prototyping for Conservation and Effective Utilization of Waste Heat from Air Conditioner, IOP Conference Series Materials Science and Engineering , DOI: 10.1088/1757-899X/1104/1/012007 .	
Area of Specialization		Thermal Engineering	
PhD Guide ? Give field & University	:	<u>Field:</u> <u>University:</u>	=====
PhDs / Projects Guided	:	<u>PhDs :</u> <u>Projects at</u> <u>Masters level:</u>	-----
Books Published / IPRs / Patents	:	Books (Editors for conference Proceedings on Springer)	-----
Professional Memberships	:	1) Life Member of Indian Society of Technical Education (ISTE) 2) Life Member of Indian Society of Manufacturing Engineers (ISME)	LM 125834
Grants fetched	:	Minor Research Grant (University of Mumbai)	-----

Interaction with Professional Institutions	:	Guest Lectures: ----- Other Achievements and Responsibilities:	<u>FDPs/STTPs attended:</u> [1] Recognized as NPTEL DISCIPLINE STAR (July-Dec 2025) [2] Basics of Mechanical Engineering-3 (NPTEL-SWAYAM 12 week course), July-Oct 2025, IIT Kanpur, ELITE+GOLD, TOPPER [3] Basics of Mechanical Engineering-2 (NPTEL-SWAYAM 12 week course), Jan-Apr 2025, IIT Kanpur, ELITE [4] Basics of Mechanical Engineering-1 (NPTEL-SWAYAM 12 week course), July-Oct 2024, IIT Kanpur, ELITE [5] Scientific Computing using Python (NPTEL-SWAYAM 12 week course), July-Oct 2023, IIT Kanpur, ELITE [6] Innovation, Business Models and Entrepreneurship (NPTEL-SWAYAM 8 week course), Aug-Oct 2022, IIT Roorkee, ELITE [7] Computational Fluid Dynamics using Finite Volume Method (NPTEL-SWAYAM 12 Week course), July-Oct 2021, IIT Madras, ELITE [8] Heat Exchangers : Fundamentals and Design Analysis (NPTEL-SWAYAM 12 week course), July-Oct 2019, IIT Kharagpur, ELITE+SILVER [9] Participated and Successfully Completed the 5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education (AICTE) from 14th March, 2022 to 18th March, 2022. [10]UGC-Approved Short-Term Professional Development Programme on “Implementation of NEP-2020 for University and College Teachers”, held from 09-17 September, 2022 , (obtained 80%) organized by Indira Gandhi National Open University (IGNOU), New Delhi 110068. [11]One-week ISTE approved Self-Financing Faculty Development Program on “Green Hydrogen and Artificial Intelligence: Driving the Future of Sustainable Energy” organized by Bharati Vidyapeeth College of Engineering, Navi Mumbai, Maharashtra.
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		<u>Courses completed from Coursera:</u> [1] Assessment in Higher Education: Professional Development for Teachers [2] Learning to Teach Online [3] AI for everyone [4] Machine Learning for All [5] Renewable Energy and Green Building Entrepreneurship [6] Code Yourself! An Introduction to Programming [7] How Things Work: An Introduction to Physics [8] Introduction to Mechanical Engineering Design and Manufacturing with Fusion 360 [9] Statistical Molecular Thermodynamics [10] Welcome to Game Theory [11] Healthcare Organizations and the Health System
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		[12] Introduction to Data Engineering [13] Introduction to Forensic Science [14] Materials Science: 10 Things Every Engineer Should Know [15] Simulation Analysis for Mechanical Engineers with Autodesk Fusion 360 [16] Understanding Research Methods <u>Webinars attended:</u> [1] Design - Past, Present and Future (Dwarkadas J. Sanghvi College of Engineering, Mumbai) [2] How to make yoga a way of life: International Yoga day (Shree L.R. Tiwari College of Engineering, Mumbai) [3] A Special Case of Linear Programming Problems: Transportation problems (Pacific School of Engineering, Surat) [4] Challenges in Non-Destructive Testing and Future Prospects (Dwarkadas J. Sanghvi College of Engineering, Mumbai) [5] Car Czar organized by Department of Automobile Engineering (M.H. Saboo Siddik College of Engineering, Mumbai) [6] Design of Experiment (Amrutvahini College of Engineering, Sangamner) <u>Other Programs attended:</u> [1] NDLI Awareness Program organized by the NDLI Club of Dwarkadas J. Sanghvi College of Engineering NDLI Club. [2] Academia Industry Collaboration: Issues, Challenges and Opportunities (19th ISTE State Annual Faculty Convention, 2019, Maharashtra-Goa section in Association with DTE Maharashtra, MSBTE & CII held at A.P. Shah Institute of Technology, Thane). [3] Online Quiz Competition programs attended on several topics like E-Learning, PBL, Electrical Safety, Basic Electronics Engineering, General Mechanical Engineering, Engineering Mechanics, CAD/CAM, Finite Element Analysis, Thermal and Fluid Engineering etc.
Subjects Taught		<u>UG Level:</u> Elements of Mechanical Engineering, Computational Fluid Dynamics, Renewable Energy Sources, Finite Element Analysis, Mechanical Utility Systems, Refrigeration & Air-Conditioning, Thermodynamics, I.C. Engines, Automobile Engineering, Thermal and Fluid Engineering, Mechatronics, Engineering Mechanics, Engineering Graphics (AUTOCAD), Computer-Aided Machine Drawing, Design of Machine Elements, Database Management System (DBMS), Product Design and Development, Product Lifecycle Management, Universal Human Values, Economics and Financial Management, Advanced Operations Research etc. <u>PG Level:</u> -----

Projects Guided	:	<u>UG Level: 05+</u> <u>PG Level: -----</u>	
Recommended Students for Higher Education		<u>Name of the Student</u> 20+ students	<u>University/Industry</u> At numerous prestigious universities across the USA, Canada, Germany, and other countries around the world.
Institute/Department Responsibility handled:		1. Student Portal Co-ordinator - Mechanical Department 2. Daily/Weekly Report preparation - Mechanical Department 3. Course Structure preparation - Mechanical Department 4. Class Teachers - Mechanical Department classes 5. NAAC committee - criterion 5 member (Mechanical/Production) 6. NAAC committee - criterion 6 member (Mechanical) 7. Term Test Co-ordinator - Mechanical Engineering Department 8. IPD in-charge (Mechanical – Div M3) 9. Department Monthly Report coordinator 10. NBA criterion 4.7.4 (Mechanical) 11. Student mentoring 12. Course coordinator for the various courses viz. CFD, AOR etc.	