Name of the Teaching Staff Designation Department Date of joining the Institution Email ID Office Contact	: : : : : :	Kartik Ajugia Assistant professor Mechanical Engineering 04.01.2016 Kartik.ajugia@djsce.ac.in 022 42335000 Ext: 111155	
Google Scholar Link	:	https://scholar.google.com/citations?user=rBzLSvMAAAAJ&hl=en	
Researchgate Link	:	https://www.researchgate.net/profile/Kartik-Ajugia	
ORCID	:	https://orcid.org/0000-0001-8541-8665	
Publons Researcher ID	:	https://www.webofscience.com/wos/author/record/AFE-7766-2022	
Qualifications with Class / Grade	:	M.Tech. Thermal Engg, SPCE, Mumbai University, 8.02 CGPI, May 2015. B.E. Mechanical Engg, K.J Somaiya, Mumbai University, 60.4%, May 2009	
Total Experience in Years	:	**Teaching:** Assistant Professor in St John College of Engineering from 05-05-10 to 31-12-15 Assistant Professor in D.J. Sanghvi College of Engineering from 04-01-2016 **Industry:** 1 year as Trainee engineer, Ebco. Pvt. Ltd.	
Papers Published in Journal	:	Ajugia Kartik, Bhavsar Kunal, (2015). Numerical Comparison of the Tube Bank Pressure Drop using a Conventional Nozzle Position and an Inline Nozzle Position of a Shell and Tube Heat Exchanger. International Journal of Engineering Research and General Science. e Volume 3, Issue 1, ISSN 2091-2730.	
Papers Published in Conferences:	:	[1]. Sanghvi, M., Neemuchwala, H., Thekiya, M.H., Papal, D., Ajugia, K. (2020). Design and Analysis of 'Kangaroo' Boots. In: Vasudevan, H., Kottur, V., Raina, A. (eds) Proceedings of International Conference on Intelligent Manufacturing and Automation. Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-15-4485-9_77. [2].	

		Ajugia, K., Sanghvi, M. (2020). Numerical Comparison of Tube Bank Pressure Drop of an SHTX Using Elliptical and Flat Face Header with Different Nozzle Positions. In: Vasudevan, H., Kottur, V., Raina, A. (eds) Proceedings of International Conference on Intelligent Manufacturing and Automation. Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-15-4485-9_67. [3]. Ajugia Kartik and Khatawate Vinayak H, Comparative Study of Maldistribution on a AEL Design of Shell and Tube Heat Exchanger using Conventional and Inline Nozzle Position, Proceedings of International Conference on Intelligent Manufacturing and Automation, pp: 587—594, 2023. https://doi:10.1007/978-981-19-7971-2_57. [4]. Vora, V., Ajugia, K., Patel, M., Solanki, M., Gohil, R. (2023). Design and Prototyping of a Trekking Smart Backpack. In: Vasudevan, H., Kottur, V.K.N., Raina, A.A. (eds) Proceedings of International Conference on Intelligent Manufacturing and Automation. Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-19-7971-2_36.
Professional Memberships	:	ISME
5 day Faculty Development Programmes completed from AICTE Training and Learning Academy	:	[1].Fundamentals of Fluid Mechanics [2]. Robotics and Artificial Intelligence [3]. Introduction to Internet of Things [4]. Introduction to Python Programming & its Applications [5]. An Overview of Teaching Techniques in Computational Fluid Dynamics
Faculty Development Programmes completed from NPTEL SWAYAM platform	:	[1].The Joy of Computing using Python [2]. Computational Fluid Dynamics using Finite Volume Method
Training programs completed from IBM		[1].Predictive Analytics [2]. Applied Statistical Analysis

Courses completed from Coursera		[1].AI for Everyone [2]. Machine Learning for All [3]. Getting started with SAS Programming [4]. Doing More with SAS [5]. Practical SAS Programming [6]. Getting started with SAS Visual Analytics [7]. Data Analysing and reporting in SAS Visual Analytics [8]. Using Data for Geographic Mapping and Forecasting in SAS Visual Analytics [9]. Performing Network, Path, and Text Analyses in SAS Visual Analytics [10]. Creating Advanced Reports with SAS Visual Analytics
Faculty Development Programmes / Workshops completed from SVKM affiliated institutions	:	[1].3D printing and Applications (by MPSTE) [2]. Active Teaching Learning Strategies Using Innovative Technology (by DJSCE)
One day Faculty Development Programmes completed from TCS	:	[1] Intellectual Property Rights [2] Machine Learning and Deep Learning
Projects Guided	:	**UG Level** [1].Design and Fabrication of 360 degree Windmill [2]. Conversion of Solar Energy into Electrical energy by using Sterling Engine. [3]. Design and Manufacturing of Automated Hacksaw Machine using Quick Return Mechanism. [4]. Glove controlled Robotic Arm [5]. Applied Python in Thermal Engineering [6]. Prototyping Mars Rover [7]. Design & Prototyping of Trekking Smart Bag
Recommended Students for Higher Education	:	More than 30 students for PG level courses from countries like USA, UK, Germany and Canada.
Institute/Department Responsibility handled	:	**At the Institute Level** • NAAC Criteria 2 • Admission Committee **At the Department Level**

		• NAAC Criteria 2 • Departmental Exam Coordinator • Term Test Coordinator • Internship Coordinator • Class Teacher • NBA criteria 7 • Faculty Advisor for DJS Impulse(Rocket Team) • Departmental Library Incharge • Mentor to around 40 students in the department • Member of Syllabus Revision committee
Patents	:	[1].Smart Backpack for Trekking [2]. Tree Shaped Forest Fire Combat System
Pedagogy Development	:	E-Learning video in the subject of Engineering Mechanics