


Name of Teaching Staff	:	Dr. Bronin Cyriac	
Designation	:	Assistant Professor	
Department	:	Mechanical Engineering	
Date of Joining the Institution	:	04.01.2016	
Email ID	:	bronin.cyriac@djsce.ac.in	
Office Contact	:	022-42335000/ Ext No:111251	
Google Scholar Link	:	<a href="https://scholar.google.com/citations?user=rU9DBuEAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=rU9DBuEAAAAJ&amp;hl=en</a>	
Researchgate Link:		<a href="https://www.researchgate.net/profile/Bronin-Cyriac">https://www.researchgate.net/profile/Bronin-Cyriac</a>	
ORCID		<a href="https://orcid.org/0000-0001-7196-2045">https://orcid.org/0000-0001-7196-2045</a>	
Publons Researcher ID	:	<a href="https://publons.com/researcher/1783413/bronin-cyriac">https://publons.com/researcher/1783413/bronin-cyriac</a>	
Qualifications with Class / Grade	:	1. Ph.D. Mechanical Engineering, University of Mumbai, 2024. 2. M.E. Thermal Engineering, PIIT, University of Mumbai, 2015. 3. B-Tech. Mechanical Engineering, AJCE, MG University, 2011.	
Total Experience in Years	:	1. Assistant Professor in DJSCE from January 2016 to till date. 2. Assistant Professor in SCOE from July 2015 to December 2015. 3. Assistant Professor in LTCOE from July 2014 to April 2015. 4. Lecturer in VESIT from July 2013 to July 2014. 5. Lecturer in PIIT from July 2012 to July 2013. 6. Lecturer in VESIT from August 2011 to July 2012.	
Papers Published in Journal:	:	[1] Bronin Cyriac, Prof. A.G. Shaligram, Prof. MD Nadar " CFD Modelling of finned tube gas cooler for transcritical operation of CO2systems" International Journal of Mechanical Engineering and Robotic Research, Vol. 4, No.1, January 2015 ISSN: 2278-0149. [2] Bronin Cyriac, M.D. Nadar, A.G. Shaligram, “Effect of operating parameters on the performance of fin and tube gas cooler for trans-critical operation of CO2 heat pumps”, International Journal of Advanced Technology in Engineering and Science (ISSN: 2348-7550), Volume No 03, Special Issue No. 01, September 2015. [3] Cyriac B. and Bhusnoor S. S., “Numerical investigation of heat transfer performance of an air heater with delta flow obstruction,” Mater. Today Proc., vol. 72, pp. 1246–1252, 2023, doi: 10.1016/j.matpr.2022.09.295. [4] Cyriac B. and Bhusnoor S. S., ‘Thermal and Hydraulic characteristics of an Air Heater with Modified Delta Flow Obstructions’, e-Prime - Adv. Electr. Eng. Electron. Energy, p. 100147, Mar. 2023, doi: 10.1016/j.prime.2023.100147. [5] Cyriac, B., Bhusnoor, S. S., 2024. Numerical Studies on the Effect of Different Obstruction Geometries on Performance of Rectangular Channel Air Heaters.	

		Journal of Heat and Mass Transfer Research, 11(1), pp. 1402-1425, <a href="https://doi.org/10.22075/JHMTR.2023.39315.2050">https://doi.org/10.22075/JHMTR.2023.39315.2050</a>	
Papers Presented in Conferences		<p>[1] Bronin Cyriac, M.D. Nadar, A.G. Shaligram, “Effect of operating parameters on the performance of fin and tube gas cooler for trans-critical operation of CO2 heat pumps”, 2nd International Conference on Science, Technology and Management (ICSTM-15), ISBN: 978- 81-931039-6-8.</p> <p>[2] Cyriac B. and Bhusnoor S. S., ‘Performance Optimization of an Air Heater with Delta Flow Obstructions: A Taguchi Approach’, in Proceedings of International Conference on Intelligent Manufacturing and Automation, 2023, pp. 621–630.</p> <p>[3] Bronin Cyriac, Akash Bidwaik, &amp; Siddappa S. Bhusnoor. (2024). Numerical Investigation on the Effect of Inclined Delta Flow Obstructions on the Thermo-Hydraulic Performance of an Air Heater. In International Conference on Technologies for Energy Agriculture and Healthcare (ICTEAH 2024)</p>	
Area of Specialization		Heat Transfer, CFD	
PhD Guide ? Give field & University	:	<b><u>Field:</u></b> <b><u>University:</u></b>	
PhDs / Projects Guided	:	<b><u>PhDs :</u></b> <b><u>Projects _____ at Masters level:</u></b>	
Books Published / IPRs / Patents	:	Books (Editors for conference Proceedings on Springer)	<p>[1] Patent: Low-Cost Pepper Separator (Patent No: 358408)</p> <p>[2] Registration of Design: Spindle for Vehicles (Design No: 318351-001)</p> <p>[3] Registration of Design: Ergonomic wheel hub assembly (Design No: 380554-001)</p> <p>[4] Registration of Design: Chassis with a three wheel space for a solar electric vehicle (Design No: 379352-001)</p>
Professional Memberships	:		<p>[1] Life Member of Indian Society of Manufacturing Engineers (ISME) - LM 53633</p> <p>[2] Life Member of Indian Society of Technical Education (ISTE) - LM 139981</p>
Grants fetched	:		Funding of one lakh by NSTEDB, DST: Government of India for the project ‘Pepper Separator’

Interaction with Professional Institutions	:	<b>Guest Lectures:</b> <ul style="list-style-type: none"><li>• AICTE Training and Learning FDP on Exergy and Thermoeconomic Investigation in Power Generation Systems from 09-08-2021 to 13-08-2021.</li><li>• Artificial Neural Network from 16-08- 2021 to 13-08-2021.</li><li>• Four weeks NPTEL course on Effective Engineering Teaching in Practice during Jan-Feb 2020.</li><li>• Twelve weeks NPTEL course on Experimental Methods in Fluid Mechanics during Jan-April 2020.</li><li>• Twelve weeks NPTEL course on Introduction to Research during Feb- April 2019.</li><li>• Completed certificate course on Programming for Everybody (Getting Started with Python) from University of Michigan (Coursera).</li><li>• Completed certificate course on Python Data Structures from University of Michigan (Coursera).</li><li>• Completed certificate course on Machine Learning for All from University of London (Coursera).</li><li>• Completed certificate course on Assessment in Higher Education from Erasmus University Rotterdam (Coursera).</li><li>• Completed certificate course on Learning to Teach Online from UNSW Sydney (Coursera).</li><li>• Teach the Trainer (T3) workshop on Applied Statistical Analysis conducted by IBM. During 28 June to 2 July 2020.</li><li>• Attended training on Connected Vehicles conducted by TCS on 25 August 2020.</li><li>• Attended training on Intellectual Property Rights conducted by TCS on 24 August 2020.</li></ul> <b>Other Achievements and Responsibilities:</b>		
Subjects Taught		<b><u>UG Level:</u></b> Engineering Mechanics, Engineering Drawing, Thermodynamics, Heat Transfer, Refrigeration and Air-conditioning, Power Engineering, Project Management <b><u>PG Level:</u></b>		
Projects Guided	:	<b><u>UG Level:</u></b> 8 Some of PG Project Guided: Manufacturing of Electric Bike, Simulation of trombe wall with solar radiation <b><u>PG Level:</u></b>		
Recommended Students for Higher Education		<table><tr><td><b><u>Name of the Student</u></b> More than 20 students for PG level</td><td><b><u>University/Industry</u></b> Various Universities across USA, UK and Canada</td></tr></table>	<b><u>Name of the Student</u></b> More than 20 students for PG level	<b><u>University/Industry</u></b> Various Universities across USA, UK and Canada
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Institute/Department Responsibility handled:		<ul style="list-style-type: none"> <li>• Faculty Advisor of the student team DJS Helios.</li> <li>• Member of College Branding Committee.</li> <li>• Worked as department coordinator for NIRF and other College Ranking surveys.</li> <li>• Department level Autonomy Committee</li> <li>• Faculty Mentor</li> <li>• Coordinated IPR related activities of the department.</li> <li>• Worked in publication committee of ICIMA 2018 and ICIMA 2020.</li> <li>• Member of organizing committee: Webinar on Design- Past, Present and Future.</li> </ul>
Pedagogy Development		