. **TRICHY ENGINEERING COLLEGE**
Sivagnanam Nagar, Trichy-Chennai NH, Konalai, Trichy - 621 105.

FACULTY PROFILE

Name(in BLOCK LETTERS)	**Mr.DHAYANITHI J**
Present Designation &Dept:	**Assistant professor, MCT**
Subject Area of Interest	**Thermal systems and Thermodynamics,** **Heat transfer enhancement,** **Fluid dynamics,** **Automobiles,** **Fluid systems and automation,** **Bio fuels.**
Passport photo	
Address (for communication)	**Mr.DHAYANITHI J** No: 1/403 Velar street, Navalpattu, Trichy -620016. Tamilnadu, India. Mobile No.**: 9500643269** Email ID **: dhayanithij@trichyengg.ac.in**
Address (Office)	**Mr.DHAYANITHI J** Assistant professor, MCT, **TRICHY ENGINEERING COLLEGE** Sivagnanam Nagar, Konalai, Trichy - 621 105. Mobile No.**: 9500643269** Email ID **: dhayanithij@trichyengg.ac.in**
Date and Place of Birth	11/11/1993 and Trichy
Gender	Male
Marital Status	Married
Nationality	Indian
Membership in Professional Bodies	**Life** Member(s): **ISME**

01) Research & Educational Degree(s):

Research Degrees	**Dept./Subject (Specialization)**	**Title of the Dissertation/ Thesis**	**Year of award**	**University**	
Ph.D.	SMEC/Heat transfer Enhancement	Nano-Enhanced Phase change material in building thermal comfort	Pursuing	School of Mechanical Engineering (SMEC), VIT University, Vellore, India.	
Educational Degrees/Exams	**Name of the Board/ Institution / University**	**Subject/ Specialisation**	**Year of Passing**	**% of Marks/ CGPA**	**Division/ Class/Grade**
M.E	J. J. College of Engineering and Technology Anna University	Thermal Engineering	2016-2018	**8.05 CGPA**	**First class**
B.E	Mookambigai College of Engineering Anna University	Mechanical Engineering	2012-2015	**7.19 CGPA**	**First class**
Diploma	Srinivasa polytechnic college. TN DOTE	Mechanical Engineering	2009-2012	**88.96%**	**First class with distinction**
S.S.L.C	Boiler plant boys higher secondary School. TN State board	General Sciences	2009	**79.8%**	**First class**

02) Teaching Experience/Post(s) held:

Total Teaching experience : P.G. for **M.E./M.Tech& MCA:** 3.5years

& Teaching experience : U.G. Classes for **B.E./B.Tech:** 7years

College/ Institution	**Designation**	**Duration**		**Experience**	
		From	**To**	**Year**	**Month**
TEC	Assistant Professor **MCT**	Mar-2025 onwards		6 months	
VIT University, vellore.	Teaching Cum Research Assistant	Jan-2021 to Dec-2024		3 Years	
MAMCET, Trichy, India.	Assistant Professor	Jul-2018 to Dec-2021		3 Years 5 months	

03) Administrative experience(s)

Description	Role(s)	Duration	From To Dates
Exam cell MAMCET, Trichy, India	Exam cell Incharge	1.5 Years	2020 to 2021

04) Research Papers in Peer-Reviewed or UGC listed Journals

INTERNATIONAL JOURNALS/CONFERENCES

1. J. Dhayanithi, Tapano Kumar Hotta "**Optimization of temperature distribution in Building Envelopes using Nano-Encapsuled PCM(Rubitherm+Al2O3) for Hot Climatic Conditions of Ahmedabad Region**", **Energy and Build Environment, Elsevier,**https://doi.org/10.1016/j.enbenv.2024.03.004.
2. Dhayanithi, Tapano Kumar Hotta "**Effect of PCM Layer Location on the Temperature Distribution and Thermal Performance of Tropical Climatic City Buildings in India**", **International Journal of Modern Physics E, World Scientific Publishing**, https://doi.org/10.1142/S0129183125500342.
3. J. Dhayanithi, Tapano Kumar Hotta "**Thermal Performance Evaluation of Nano-Integrated Phase Change Material-Based Building Envelopes**", **Energy storage, WILEY** https://doi.org/10.1002/est2.70220.
4. J. Dhayanithi, Tapano Kumar Hotta, M.K. Gupta, Tapaswinee Das., "**Numerical investigation on the testing and selection of different phase change materials for peak-load reduction in buildings of Indian climates**", ICRAMERD-22, 3rd International Conference on Recent Advances in Mechanical Engineering, **Published in Materials Today: Proceedings** Volume 74, Part 4 (2023) Pages 969-973.
5. J. Dhayanithi, Tapano Kumar Hotta "**Investigation of Thermal Performance of the Building Envelopes of Jaipur City using Nano-Enhanced Rubitherm Phase Change Material: A Numerical Prospective**", **ICFTES-24**, 2nd International Conference on Fluid, Thermal and Energy Systems. (Accepted)
6. Dhayanithi J Prabhakaran S, Felix Raj P, Mothiswaran A, Barath B, Mohanram M "**An Investigation and Effect of Coconut Shell Ash and Egg Shell Particles of Aluminium based Composites**", International Journal for Research in Applied Science & Engineering Technology, Volume 8, Issue V. **UGC**

05) Awards

1. Raman Research Award for the month of April 2024 for my research work '**Optimization of temperature distribution in Building Envelopes using Nano-Encapsuled PCM (Rubitherm+Al2O3) for Hot Climatic Conditions of Ahmedabad Region'** Vellore Institute of Technology, Vellore, India.

06) Workshop / FDP / Seminar / Conference Attended

1. AICTE approved Faculty Development Program (FDP101x) on "**Foundation Program in ICT for Education"** conducted by Indian Institute of Technology Bombay from September 13, 2018 to October 18, 2018.
2. AICTE approved Faculty Development Program(FDP201x) on "**Pedagogy for Online and Blended Teaching-Learning Process**" conducted by Indian Institute of Technology Bombay from September 13, 2018 to October 18, 2018.