

KLE Institute of Technology, Hubballi 580 027

Faculty Profile



Dr. Sandeep C. Dhaduti

Assistant Professor,
Department of Mechanical Engineering,
K.L.E. Institute of Technology, Hubballi 580027
<https://orcid.org/0000-0002-6798-9576>

1. Educational, professional qualifications, and trainings					
1.1. Educational Qualification (from highest to basic)					
S.N.	Degree	University / College	Discipline	Year of Passing	Class obtained
a)	Ph. D.	VTU Belagavi	Mechanical Engg.	2023	---
b)	M. Tech.	VTU Belagavi	Engg. Analysis and Design	2007	FCD
c)	B.E.	VTU Belagavi	Mechanical Engg.	2004	FC
1.2. Training programmes attended					
S.N.	Subject Area of Training	Organization	Place	Period / Duration	
a)	Autodesk Fusion	KLEIT, Hubballi	Hubballi	06- 10 th Sept 2024	
b)	Principles and applications of Building Science	IIT Roorkee,	NPTEL Online Certification	Jul- August 2024/4 weeks	
c)	Patent Drafting for beginners	IIT Madras,	NPTEL Online Certification	Jan-Feb 2024/4 weeks	
d)	Fusion 360 Autodesk	Jain College of Engineering, Belagavi	Belagavi	6th to 8th Nov 2023	
e)	Introduction to Biomimicry	IIT Madras	NPTEL Online Certification	July-Sept 2023/8 weeks	
f)	Waste to Energy Conversion	IIT, Roorkee	NPTEL Online Certification	Jan- March 2023/8 weeks	
g)	Design, Technology and Innovation	IIT Bombay	NPTEL Online Certification	Feb-Apr 2022/8 weeks	
h)	Advances in novel composite materials: fabrication, analysis and optimization	National Institute of Technology Patna	ATAL FDP online	06/09/2021 to 10/09/2021/1 week	
i)	Material Synthesis and Characterization - Research Prospectus and Optimization Techniques	MVJ College of Engineering, Bengaluru	FDP online	24th to 28th August 2021/1 week	
j)	Green Technology and Sustainability Engineering	NIT Raipur	ATAL FDP online	08-12 Dec 2020/ 5 days	
k)	Surface Engineering of Nanomaterials	IIT, Roorkee	NPTEL Online Certification	Jan-Mar 2020/ 8 weeks.	

KLE Institute of Technology, Hubballi 580 027

Faculty Profile

l)	Materials Science: 10 Things Every Engineer Should Know	University of California, Davis	Coursera Online Certification	5 weeks
m)	Material Behavior	Georgia Institute of Technology	Coursera Online Certification	6 weeks
n)	Nanotechnology and Nanosensors, Part1	Israel Institute of Technology	Coursera Online Certification	5 weeks
o)	3D Printing Applications	University of Illinois at Urbana-Champaign	Coursera Online Certification	4 weeks
p)	Wind Energy	Technical University of Denmark (DTU)	Coursera Online Certification	5 weeks
q)	Smart Materials and Intelligent System Design	IIT, Kanpur	NPTEL Online Certification	July-Aug 2019/ 4 weeks
r)	BioMEMS and Microsystems	IIT, Kanpur	NPTEL Online Certification	Feb-April 2019/ 8 weeks
s)	Ansys Workbench	B. V. Bhoomaraddi College of Engineering Technology	Hubballi	10 th -14 th Sep 2016/ 1 week

1.3. Membership of National and International Professional Bodies/Organisations

S.N.	Name of Professional Body/Organization	Place	Membership Category
a)	The Indian Society for Technical Education	New Delhi	Life Member LM 119994
b)	IAENG International Association of Engineers	Hong Kong	294211

1.4. Technical Papers/Books Published in National / International Events / Journals

a)	<p><u>Scopus /SCIE/ Web of Science Indexed</u></p> <p>1. Dhaduti, M.S., Hunashyal, A.M., Dhaduti, S.C. et al. "Assessment of Groundwater Quality of Hubballi City, Karnataka, India by Using Canadian Council of Ministers of the Environment Water Quality Index, Weighted Arithmetic Water Quality Index and Geospatial Techniques". J. Inst. Eng. India Ser. A 105, 581–587 (2024). https://doi.org/10.1007/s40030-024-00828-y (Q2, Impact factor: 0.28)</p> <p>2. YP Deepthi, Santosh Kumar Sahu, D Anitha, Nakul Gupta, Niranjan dude, Srinivasu Gangi Setti, and C. D. Sandeep, Tribological investigation into nickel-coated graphite polytetrafluoroethylene composite, Proc IMechE Part E: J Process Mechanical Engineering, May 23, 2024 (Q2, Impact factor: 2.4)</p>
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KLE Institute of Technology, Hubballi 580 027

Faculty Profile

3. Shridhar H. Budapanahalli, S. B. Mallur, Arun Y. Patil, **Sandeep C. Dhaduti**, “Experimental Investigation on Hybrid Aluminium Metal Matrix Composite Spur Gears”, Journal of The Institution of Engineers (India): Series D, 2024 (Q2, Impact factor: 1.4)
4. Shridhar H. Budapanahalli, **Sandeep C. Dhaduti**, S. B. Mallur, “Fatigue Analysis of Hybrid Aluminium 7075 Composite Gears”, Journal of The Institution of Engineers (India): Series D, 2023 (Q2, Impact factor: 1.4)
5. **Dhaduti, S. C.**; Sarganachari, S. G.; Patil, A. Y.; Budapanahalli, S.H.; Kumar, R. (2023). Asymmetric/Symmetric Glass-Fibre-Filled Polyamide 66 Gears—A Systematic Fatigue Life Study. J. Compos. Sci. 2023, 7, 345. (Q1, Impact Factor: 3)
6. **Dhaduti, S.C.**, Sarganachari, S.G., Patil, A.Y., Khan, A. (2021). Tribological Behaviour of Glass Fiber Reinforced Polyamide Gears. In: Jawaid, M., Khan, A. (eds) Vegetable Fiber Composites and their Technological Applications. Composites Science and Technology. Springer, Singapore. https://doi.org/10.1007/978-981-16-1854-3_15
7. **Sandeep C. Dhaduti**, S. G. Saraganachari, Arun Y. Patil, T. M. Yunus Khan (2020), “Prediction of injection molding parameters for symmetric spur gear”. Journal of Molecular Modeling, Vol. 26, Issue 11. (Q3, Impact Factor: 2.2)

Google Scholar Indexed


1. **Sandeep C. Dhaduti**, Shridhar H. B., S. N. Mathad (2019). “Preparation and Analysis of Mechanical Properties of Short Sisal and Glass Fiber Reinforced Composites”. International Journal Advanced science and Engineering, Vol.5, No. 3, 1009-1016
2. **Sandeep C. Dhaduti**, Manjunath G. Prasad et.al. (2017). “Fast Fourier Transform (FFT) Studies of Sisal Fiber Reinforced Polymer Composites”. International Journal Advanced science and Engineering, Vol.4, No. 2, 605-611
3. **Sandeep C. Dhaduti**, Dr. S. G. Saraganachari (2015). “Review of Composite Asymmetric Spur gear”. International Journal of Engineering Research, Vol 4, Issue No. 2, pp: 73-75.

1.5.	Language skills (ability to)	Speak:	Read / Write
		Kannada	Yes
		Hindi	Yes
		English	Yes
2.	Employment Information and Professional Experience till date		
2.1.	Employment Information		
a)	Job title	Assistant Professor	
	Employer	K. L. E. Institute of Technology, Hubballi 580 027	
	Dates (from – to)	01-11-2011 till date	
	Responsibilities	Academics, student mentoring, Industrial visits, actively involved in accreditation activities of the college, Vehicle Incharge	
b)	Job title	Lecturer	
	Employer	K. L. E. Institute of Technology, Hubballi 580 027	
	Dates (from – to)	21-7-2008 to 31-10-2011	

KLE Institute of Technology, Hubballi 580 027

Faculty Profile

	Responsibilities	Academics, student mentoring, Industrial visits, Vehicle Incharge
c)	Job title	Lecturer
	Employer	S. D. M. Institute of Technology, Ujire 574 240
	Dates (from – to)	24-08-2007 to 30-06-2008
	Responsibilities	Academics, student mentoring,
2.2.	Other professional achievements such as any awards, special skills, etc.	
a)	Delivered a technical talk on “ Introduction to Biomimicry- Biomimicry as a sustainable design methodology ” at Mechanical Engineering Dept. Association Activity on 08-10-2024.	
b)	Delivered a technical talk on “ Introduction to Biomimicry ” at The Institute of Engineers (India), Dharwad Local Centre, Dharwad on 03-09-2024.	
c)	Recognition as Research Supervisor from VTU Belagavi under Mechanical Engg. Science stream from 24-06-2024, Registration ID: 042024RSME005585	
d)	Received Project proposal funding from KSCST, Gov of Karnataka , 45 th Series Year: 2021-22 for project titled Performance study of Helical blade vertical axis wind turbine.	
3.	Any other information	
	<ul style="list-style-type: none"> • Since last three years consistently achieved average student’s feedback and SEE results above 90% • Appointed as Deputy Chief Superintendent (External) for the conduct of UG/PG exams June/July 2024 at KLS VDIT, Haliyal from 19-08-2024 to 23-08-2024. • Appointed as Member of squad for March/ April 2024 examinations from 15-04-2024 to 19-04-2024 by VTU Belagavi. • Judge for ILLUMINATI 2023 A National Level Technical Symposium organized by SKSVMACET, Laxmeshwar on 26-05-2023. • Received Letter of Appreciation from Principal KLEIT, Hubballi for obtaining excellent feedback from students for even semester of academic year 2021-22 • Nominated as Mechanical Engg Dept. Co-ordinator for Advitiya 2022 dated 22nd -23rd Dec 2022. • Received Letter of Appreciation from Principal KLEIT, Hubballi for obtaining excellent feedback from students for odd semester of academic year 2020-21. 	
4.	General information	
4.1.	Name	Sandeep C. Dhaduti
4.2.	Gender	Male
4.3.	Nationality	Indian
4.4.	Date of birth	16-11-1980
4.5.	Contact address	Department of Mechanical Engineering, K. L. E. Institute of Technology, Hubballi 580 027
4.6.	Phone / mobile number	9167985555
4.7.	Email	sandeepcdhaduti@gmail.com , sandeepcd@kleit.ac.in

05-12-2024	Sandeep C. Dhaduti	
Date	Full name	Signature