

KLE Institute of Technology, Hubballi 580 027
Faculty Profile



Name: Dr. Basukumar H K

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	Visvesvaraya Technological University	Mechanical Engineering	2022	Awarded
b)	M Tech	Visvesvaraya Technological University	Machine Design	2004	FCD
c)	B E	Kuvempu University	Mechanical	1998	FC
1.2. Training programmes attended					
S.N.	Subject Area of Training		Organization	Place	Period / Duration
a)	Fracture, Fatigue And Failure of Materials		NPTEL/IIT Kharagpur	Online	Jul-Oct 2022/ 12 weeks
b)	Introduction to high throughput materials development		Georgia Institute of Technology	Online	Dec-Jan 2022/ 5 weeks
c)	Mechanics of Materials I: Fundamentals of Stress & Strain and Axial Loading		Georgia Institute of Technology	Online	Dec-Jan 2022/ 5 weeks
d)	FDP on “Automotive friction materials”		SRM Institute of Science and Technology	Online	13-12-2021 to 12-17-2021
e)	Novel Materials for next Generation Applications (ATAL FDP)		M S Ramaiah Institute of Technology	Online	12-7-2021 to 16-7-2021
f)	Functional Materials for Engineering Applications (TEQIP sponsored)		BMS College of Engineering	Online	15-02-2021 to 19-02-2021
g)	Failure Analysis and prevention		NPTEL/IIT ROOKEE	Online	Jan-April 2020/ 12 weeks
h)	Material Science:10 Things every engineer should know		University of California, Davis	Online	Mar – June 2020/ 5 weeks
i)	Material Behavior		Georgia Institute of Technology	Online	Mar – June 2020/ 6 weeks
j)	Machine Design Part I		Georgia	Online	Mar– June 2020/

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		Institute of Technology		5weeks
k)	Protecting the World: Introducing Corrosion Science and Engineering	University of Manchester	Online	Mar – June 2020 / 4 weeks
l)	Surface Engineering for corrosion and wear resistant applications	NPTEL/ IIT Kharagpur	Online	Jan-April 2019/ 12Weeks
m)	“Refresh programme on Design of Machine Elements” organized by	Vidyavardhaka College of Engineering (VVCE)	Mysuru	July 2018/ 1Week
n)	“Aerospace materials; Microstructure, fracture and fatigue”	IIT Gandhinagar,	Gandhinagar, Gujarat	June 2018 / 2Weeks
o)				
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 / LM104981	
b)				
1.4.	Technical Papers/Books Published in National / International Events / Journals			
	eBook contribution published on SpringerLink			
	Basukumar H K, Arun K V,” Stress Corrosion Cracking Behavior of Spring Steel in Aggressive Corrosion Environment " Recent Trends in Electrochemical Science and Technology, edited by U. Kamachi Mudali, S. T. Aruna, H. P. Nagaswarupa, Dinesh Rangappa, Springer nature, 2022, pp. 67-76			
	H.K. Basukumar, K.V. Arun, Tensile behavior of pre-stress corroded and post hydrogen embrittled spring steel, Materials Today: Proceedings, 2021,,ISSN 2214-7853, https://doi.org/10.1016/j.matpr.2021.08.156 .			
	Basukumar H K and Arun K V., July 2021 “Tensile Behavior of Pre-Stress Corroded and Post Hydrogen Embrittled Spring Steel”, Global Conference on Recent Advances in Sustainable Materials (GC-RASM 2021) 29 - 30, July 2021, held at A.J. Institute of Engineering & Technology, Karnataka, India.			
	Basukumar H K and Arun K V., March 2021, Experimental investigation on Hydrogen embrittlement of EN47 Spring steel, <i>IOP Conf. Ser.: Mater. Sci. Eng.</i> 1126 012077, IOP Conference Series: Materials Science and Engineering, Volume 1126, 3rd International Conference on trends in Material Science and Inventive Materials (ICTMIM 2021) 12th-13th March 2021, Coimbatore, India			
	Basukumar H. K and Arun K V, Jan 2021, Stress Corrosion Cracking of Spring Steel in aggressive corrosive environment, National symposium on “Electrochemical Science and Technology’ NEST2020, on IISC campus, Bengaluru, Inida			
	Basukumar H. K and Arun K V, Dec 2020, Failure of spring steel by stress corrosion cracking and hydrogen embrittlement-an experimental investigation, GIS Science Journal, ISSN NO : 1869-9391			

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	Basukumar H K, Arun K V (2017) ” Study on the combined effect of corrosive environment and impact loading on the behaviour of low carbon steel”, International Conference on Advances of Mechanical Engineering Sciences, ISBN 978-81-932966-3-9									
	Basukumar H K, Arun K V,(2016) “Experimental Approach to Study the Effect of Hydrogen Embrittlement on Structural Steel under the Influence of Impact Loading and Wear Characterization”, International Journal of Science Technology & Engineering, Volume 3, Issue 04.									
	Arikatti K C, Arun K V, Basavakumar H K.(2016), Effect of Hydrogen Charging on the Wear Behavior of Spring Steel, International Journal of Engineering Science and Computing, June 2016;volume 6 (6):7015-7020, ISSN (Online) 2456-1290									
1.5.	Language skills (ability to)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Speak:</th> <th style="width: 50%;">Read / Write</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Kannada</td> <td style="text-align: center;">YES</td> </tr> <tr> <td style="text-align: center;">Hindi</td> <td style="text-align: center;">YES</td> </tr> <tr> <td style="text-align: center;">English</td> <td style="text-align: center;">YES</td> </tr> </tbody> </table>	Speak:	Read / Write	Kannada	YES	Hindi	YES	English	YES
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	KLE Institute of Technology								
	Dates (from – to)	July 2015 – Till date								
	Responsibilities	deliver lectures, seminars and tutorials; assess students' coursework; supervise students' activities, including final year undergraduate projects								
b)	Job title	Assistant Professor								
	Employer	BVBCET, Hubballi								
	Dates (from – to)	Aug 2010- July 2015								
	Responsibilities	deliver lectures, seminars and tutorials; assess students' coursework; supervise students' activities, including final year undergraduate projects								
c)	Job title	Deputy Manager								
	Employer	Ion Exchange (I) Ltd								
	Dates (from – to)	June 2006 – Aug 2010								
	Responsibilities	Product development								
d)	Job title	Lecturer								
	Employer	Bapuji Institute of Engineering and Technology								
	Dates (from – to)	Aug 2004 – July 2005								
	Responsibilities	deliver lectures								
2.2.	Public Service & Volunteer Work									
a)	Blood donation									
b)										
2.3.	Other professional achievements such as any awards, special skills, etc.									
a)	Resource person for the Student’s Short term Training Programme on virtual labs conducting a session on machine dynamics and vibrations lab									
b)	Worked as a Co-ordinator, for one week Faculty Development programme on ““Industrial Enterprise Application Management (PLM & ERP)”, 21 st to 25 th November 2022									

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3.	Any other information	
3.1.	Strengths	Honest, Dedication and enthusiasm
4.	General information	
4.1.	Name	Basukumar H K
4.2.	Gender	Male
4.3.	Nationality	Indian
4.4.	Date of birth	25.11.1976
4.5.	Contact address	Dept of Mech Engg., KLE Institute of Technology, Gokul, Hubballi 580027
4.6.	Phone / mobile number	9886218828
4.7.	Email	basukumar@kleit.ac.in

16.12.2022	Basukumar H K	
Date	Full name	Signature