Somaiya Vidyavihar University

Name: Rajanarasimha Sangam	**E-mail:rajanarasimha.sangam@somaiya.edu**

Contact No: 9892911129
Department/Section: Mechanical Engineering
College: K J Somaiya College of Engineering

DOJ Somaiya: 01/03/2012	Career Experience:30 Yrs	Industry Experience: 02 Yrs	Teaching Experience:28 Yrs
Present Academic Designation: (Assistant Professor)		Present Administrative Designation: NA (Principal/Vice-Principal/ Associate Dean/ HOD etc)	

Area of research/specialization and Courses Delivered

Research domain/interests/areas
1. Vibration analysis
2. FE analysis
3. Deep learning in Mechanical domain
4. Stress analysis of bones.

Courses Delivered
1. Strength of materials
2. Theory of machines
3. Mechanical Vibrations
4. CAD
5. Finite element analysis
6. Computer Aided Engineering
7. Engineering Mechanics

Recognition as a teacher by any University	UG: Yes	PG: No	Ph.D : No

Details of Recognitions
1. CONCOL-IS-ECD/2012-13/23288 dated 29 Nov 2012.

Education

Examination	Name of the Degree	University/Board	Institute/College	Year	CPI/SPI/ %Marks
PG	M.Tech (P.E.S.T)	Kuvempu University	UBDT College of Engineering	1996	70
UG	B.E (Mechanical)	Bangalore University	UVCE	1991	55
GATE 1994					75.87

Notable Experience Details

Sr. No	Name of the organization	Designation	Date of Joining	Date of Leaving	Experience (Years)
1.	Rizvi College of Engineering	Assistant Professor	June 1998	April 2009	11 Years
2.	LAIT	Assistant Professor	Sept 2010	Feb 2012	02 Years

Research Accomplishments and Projects

Somaiya Vidyavihar University

No of students pursuing Ph.D as on date:NA	No of students completed Ph.D as on date:NA
No of students completed PG thesis / Project work as on date:09	No of students / groups completed UG projects as on date: 26 Groups
Publications Total:12	Number of Peer review Journal papers:	Number of Conference papers:9

Details of Publications:
International Journals: NA

National Journals

Sr. No.	Title of paper	Authors	Affiliation of Publication	Month	Year
1.	FEA Analysis of pressure vessel with Different Type of End Connections	Deval bhinde and S.Rajanarasimha	Journal of Emerging Technologies and Innovative Research	February	2017
2.	Condition Monitoring and Fault identification of new deep groove ball bearing using lab view	Pratik Manve and S.Rajanarasimha	Journal of Emerging Technologies and Innovative Research	February	2017
3.	Numerical Analysis of Heat Transfer from flat plate to orthogonally impingement air jet	Mayur Sankhe and S.Rajanarasimha	Journal of Emerging Technologies and Innovative Research	March	2017

Conferences

Sr. No.	Title of paper	Authors	Affiliation of Publication/Organizers of conference etc.	Month	Year
1.	Deployment shock estimation for SAR antenna Mechanism using I-DEAS	S.Rajanarasimha and B.S.Nataraju	5th India User's Conference	September	1996
2.	Weight Optimization of an Automobile Bumper	Mandar Damble, Shreeprasad Manohar and S.Rajanarasimha	2015 International Conference on Technologies for Sustainable Development (ICTSD-2015 IEEE)	Feb	2015
3.	Numerical Study of Base Drag Reduction using Locked Vortex Flow Management Techniques for lower Subsonic Regime	Kailas Jagtap, Karthik Sundarraj, Nirmal Kumar, S.Rajanarasimha and Dr.Praksh Kulkarni	20Th International Conference on Fluid Mechanics and Flow analysis.	February	2018
4.	Condition monitoring of Rolling Element Bearing by acoustic analysis	Anish Nadar and S.Rajanarasimha	ICIMA 2018	July	2018
5.	Characteristics of Corrugated GFRP	Sakshi Bakre, S.Rajanarasimha	NCMDAO-2019	March	2019

		Structure for Low Velocity Impact damage	and sachin Shrivastava			
6		Automation of Riveting Process for Aerospace Bracket Assembly	Shubham Mogare, S.Rajanarasimha	IEEE Forum's International Conference on Mechanical Engineering and Electrical Systems (ICMEES-2020)	June	2020
7		Fatigue Analysis Of Femur Bone Using Ansys	Aniket Sonawane, S.Rajanarasimha	2 nd International Conference on Current Trends in Multidisciplinary Research organized by Indian Academicians and Researchers Association	July	2022
8		Stress analysis of bone using machine learning	Aniket Sonawane, S.Rajanarasimha	ICRDME-22	September	2022
9		Finite element based Deep Learning model for deformation behaviour of materials	Rugved Jabade, Aniket Yadav, Rutik Gandhi, S Rajanarasimha	ICRDME-22	September	2022

Books/Book Chapters: NA
1. Condition Monitoring of Rolling Element Bearing by Acoustic Analysis Using LabVIEW Part of the Lecture Notes in Mechanical Engineering book series (LNME). DOI: 10.1007/978-981-13-2490-1_65

Patents/Copy Rights : NA

No of Research / consultancy / projects completed: Rs: NA	No of Research / consultancy / projects on-going: Rs: NA	No of Research / consultancy / projects on applied as on date: Rs: NA

Details of Research / consultancy / projects: NA

IPR/ Copyrights: NA

FDPs/Seminars/Workshops/Training Programs Attended/ Organized/ Delivered			
Attended			

Sr No	Title	Organizers	WS/ STTP
1.	Marvels of Engineering Through MATLAB	ISTE approved STTP by Rizvi College of engineering, Mumbai	STTP
2.	Metal 2 Money	Ace Micromatic	Seminar
3.	Advance Machine Design	Short term course at VJTI, Mumbai	STTP
4.	FEA software Altair	CADCAMGURU Pune	WS
5.	Advance Optimization Techniques	Dept of Electronics Engg KJSCE	Workshop

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6.	Institutional Training Programme on Oil Conservation	Petroleum Conservation Research Association , Govt of India	STTP
7.	Fault Diagnosis of rotating machines and Finite Element Analysis	Short term course at VJTI, Mumbai	STTP
8.	Training Programme on Mastercam for solid works	Addinix Technologies Pvt Ltd	STTP
9.	Advanced Optimization Techniques	Orientation programme at KJSCE	STTP
10.	MASTERCAM training	One week training program	STTP
11.	LabVIEW and Data Acquisition	National Instruments and Dept of Electronics Engg KJSCE	WS
12.	Finite Element Methods for Engineering Applications (FEMEA 2015)	SVNIT Surat	STTP
13.	Training Programme on solid works	Addinix Technologies Pvt Ltd	STTP
14.	IUCEE International Engineering Educator Workshop (Phase I)	KJSCE Mumbai	Workshop
	FDP on Stress Management	Tata Consultancy Services	FDP
15	Computational Tools and Techniques: MATLAB and ANSYS	Govt College of Engineering karad and Rajkiya Engineering College Azamgarh	STTP
16	Outcome Based Education: A Step towards Excellence	Govt College of Engineering karad (AICTE Margdarshan Scheme)	STTP
17	Machine Learning and Deep Learning Applications in Engineering & Science	Govt College of Engineering karad and Rajkiya Engineering College Azamgarh (TEQUO-III)	STTP
18	MATLAB Based Teaching-Learning in Mathematics, Science & Engineering	DY Patil University RAIT Mumbai	STTP
19	Artificial Intelligence	ANITS (Anil Neerukonda Institute of Technology and Sciences)	STTP
20	National Level Webinar on "Modelling and Simulation of Fluid Flows Using Partial Differential Equations"	CMR Engineering College	Webinar
21	International Webinar On Laplace Transform and its Applications	MallaReddy Institute of Technology and science,Secunderabad	Webinar
22	NVH Webinar series Acoustic Material Testing and Characterization	Pimipri Chinchwad College of Engineering Pune	Webinar
23	NVH Webinar series Active Vibration Control in Truck System	Pimipri Chinchwad College of Engineering Pune	Webinar

24	MATLAB for ALL	Sir M Visvesvaraya Institute of Tecnology Bangalore	STTP
25	National Webinar on Fluid Dynamics	Manipal University Jaipur	Webinar
26	CFD Simulation Using Ansys-Basic Course	ARK Software Pvt Ltd	Workshop
27	Webinar on Fracture Mechanics Approach in Design Engineering & Research Opportunities in Gear Mechanics	Sinhgad Academy of Engineering Pune	Webinar
28	Opportunities in Solar Sector	Ashokrao mane Group of Institutions ,Kolhapur	Webinar
29	AICTE Training And Learning (ATAL) Academy Online FDP on "Robotics"	AICTE & RAIT Mumbai	ATAL FDP
30	IUCEE Project Management FDP for NEP 2020 Implementation	IUCEE Foundation	FDP
31	Applications of Mathematical Modeling in Science and Engineering"	ISTE & KJ College of Engineering and Management Research, Pune, Maharashtra.	STTP

Organized

Sr. No.	Title	Organizing body	Year	Role
1.	Advances in Fluid Dynamics : Experimental and Computational Approaches	KJSCE, ISTE Chapter , ISTE Approved STTP (Jan 01 - Jan 05, 2018)	2018	Coordinator

Delivered: NA

Notable Key Scholastic Achievements
1.	NA

Notable Positions and Responsibility
1.	Manufacturing and Allied area coordinator of the Mechanical Engineering Department KJSCE
2.	PG Coordinator (CAD/CAM & Robotics)
3.	Member Faculty Development Committee
4.	Member Student Development Committee
5.	Member Institute Research Review Committee
6.	Department UG Projects and Mini Projects Coordinator
7.	Engineering Mechanics Coordinator
8.	Coordinator, Department Planning Committee
9.	Convener, Student Development Committee

Date: 06 / 02 / 2023   **Signature of Faculty Member**