

Biodata

01. GENERAL INFORMATION:

Full Name : RAJENDRA. KATTIMANI
Designation : ASSISTANT PROFESSOR
Department : MECHANICAL ENGINEERING
Employee No :101260
Mobile No :9743157167
EMAIL ID :kattimaniraj@gmail.com

02. TEACHING EXPERIENCE: 15 Years

Sl. No.	Name of Organization / Institute	Designation	Duration
1.	B.L.D.E.A's V. P. Dr. P. G. Halakatti College of Engineering and Technology, Bijapur	Lecturer	05.04.2005 To 30.05.2011
2.	B.L.D.E.A's V. P. Dr. P. G. Halakatti College of Engineering and Technology, Bijapur	Sr. Gr. Lecturer	01.06.2011 To 30.12.2011
3	B.L.D.E.A's V. P. Dr. P. G. Halakatti College of Engineering and Technology, Bijapur	Assistant Professor	01.01.2012 To Till Date

03. PROFESSIONAL MEMBERSHIP

LMISTE: LM63032

04. WORKSHOP/FDP/SEMINAR/CONFERENCE ATTENDED:

Sl. No.	Topic Name	Organized by	Duration
1.	MISSION 10X WORKSHOP	BLDEA's CET VIJAYAPUR	15 th To 19 th March, 2011
2.	ENERGY CRISIS AND ITS POSSIBLE SOLUTIONS	BASAVAPRABHU KORE ATRS,SCIENCE AND COMMERCE COLLEGE,CHIKODI	7 TH TO 8 TH February,2013

3.	LATEX AND ITS APPLICATIONS	S.V.M.A. C.E.T. LAKSHMESHWAR	31 August, 2013 To 1 September, 2013
4.	FDP on C-PROGRAMMING	GOVERNEMENT POLYTECHNIC COLLEGE ,VIJAYAPUR	6 TH To 10 TH December,2013
5.	Two weeks FDP on INTEGRATED SIX SIGMA-GREEN BELT AND DESIGN FOR SIX SIGMA(DFSS)	BEC,BAGALKOT	20 th TO 30 th JANUARY 2014
6.	One Week FDP On RESEARCH METHODOLOGY AND ISSUES	BLDEA'S CET,VIJAYAPUR	8 th TO 12 th JUNE 2015
7.	Training Workshop On NATIONAL DESIGN AWARENESS PROGRAM	BLDEA'S CET,VIJAYAPUR	16 th to 17 th MARCH 2015
8.	"RESEARCH METHODOLOGY AND LATEX "	VTU E- LEARNING CENTRE AND BLDEA'S CET VIJAYAPUR	18TH FEB 2016 20TH FEB 2016
9.	"PATENTS AND VARIOUS INTELLECTUAL PROPERTIES"	DEPT OF MECH ENGG BLDEA'S CET VIJAYAPUR	01ST AUG 2015 TO 01ST AUG 2015
10.	"RESEARCH METHODOLOGY AND ISSUES "	DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING BLDEA CET VIJAYAPUR	8TH JUNE 2015 TO 12TH JUNE 2015
11.	"NATIONAL DESIGN AWARENESS PROGRAM"	IIT DELHI WITH BLDEA'S CET VIJAYAPUR	16TH MARCH 2015 TO 17TH MARCH 2015
12.	"RESEARCH LITERACY AND TRENDS IN SCHOLARLY COMMUNICATIONS "	LIBRARY AND INFORMATION CENTER AND DEPARTMENT OF CIVIL ENGINEERING	23RD JAN 2017 TO 28TH JAN 2017
13.	"RESEARCH METHODOLOGY AND LATEX "	VTU E- LEARNING CENTRE AND BLDEA'S CET VIJAYAPUR	18TH FEB 2016 TO 20TH FEB 2016
14.	"APPLICATIONS OF MATLAB/SIMULINK IN CONTROL AND POWER SYSTEM ENGINEERING "	DEPARTMENT OF ELECTRICALS AND ELECTRONICS ENGINEERING VIJAYAPUR	19TH NOV 2017 TO 2ND DECEMBER 2017

15.	"EMERGING APPLICATIONS OF MECHATRONICS AND AUTOMATION "	DEPARTMENT OF MECHANICAL ENGINEERING, TKM COLLEGE OF ENGINEERING KOLLAM	8TH JAN 2018 TO 13TH JAN 2018
16	"INNOVATION PEDAGOGY IN TEACHING LEARNING"	SECAB INSTITUTE OF ENGINEERING AND TECHNOLOGY VIJAYAPUR-09	21ST JAN 2019 TO 26TH JAN 2019
17	"FOUNDATION PROGRAM IN ICT FOR EDUCATION"	IIT BOMBAY	8TH MARCH 2018 TO 12TH APRIL 2019
18	"FINITE ELEMENT METHOD FOR ENGINEERS"	VTU ,DEPT OF MACHINE DESIGN PG STUDIES ,KALBURGI	15 TH JULY TO 19 JULY 2019
19	"PEDAGOGY FOR HIGHER EDUCATION"	INTERNAL QUALITY CELL AND ACADEMIC AFFAIRS COMMITTEE AT BLDEA CET VIJAYAPUR	22 ND JULY TO 26 TH JULY 2019
20	"OPERATION RESEARCH PRINCIPAL AND APPLICATIONS"	DEPT OF MECHANICAL ENGG AND MATHEMATICAL SCIENCE ..IIT Varanasi	30 TH DEC 2019 TO 03 RD JAN 2020

05. PAPER PUBLICATION:

- **"Weight optimization of pallet and adopter using ANSYS package "** International Conference on 'Frontiers in Mechanical Engineering **FIME-2010**' at NITK Surathkal
- **"Analysis of Real Axle Housing using Leak Testing Using MSC Nastran "** International Conference on 'Frontiers in Mechanical Engineering **FIME-2010**' at NITK Surathkal
- **"Modelling and Analysis of Intake Manifold of a Multi-Cylinder SI Engine"** Proceeding of the 37th National and 4th international Fluid mechanics and Fluid Power December 16th to 18th ,2010 IIT Madras and Chennai, India
- **"Structural Health Monitoring and Damage Detection Using Networked Sensing "** International conference on Challenges and Opportunities in Mechanical Engineering and Management studies ICCOMIM-2012.

- **“Structural Health Monitoring and Damage Detection Using Networked Sensing in Mechanical Member ”** International conference on sustainable manufacturing (ICSM-2013).Coimbatore,
- **“Distance Based Node Election for Energy Efficient Routing In Wireless Sensor Networks ”** International Journal of advanced Computer Engineering and Communication Technology (IJACECT) ISSN(Print)2319-2526, Volume-2,Issue2,2014 Bangalore
- **“Distance Based Node Election for Energy Efficient Routing In Wireless Sensor Networks ”** International conference in computer science and communication engineering –ICCECE held on 27th July 2014, Bangalore
- **“Computational stress intensity factor of brass plate with edge crack with CINT command ”**International Journal of Innovation Research in Science and Engineering ISSN(print):2319-2526, Volume-02, Issue-03,March 2016
- **“Prediction of piston slap of IC engine using FEA by varying gas pressure ”** International Journal of Advanced Research in Science and Engineering , ISSN(print):2319-8354, Volume-05, Issue-01,March 2016
- **“Computational stress intensity factor of brass plate with edge crack with CINT command”** International Conference on Recent innovations in engineering and Management(ICRIEM-2016) Held on 23ed March 2016
- **“Comparison Study of Lower Control Arm with Different Material ”** International Research Journal of Engineering and Technology (IRJET) Volume 3, Issue 10 October 2016
- **“Computational stress intensity factor of brass plate with edge crack with CINT command ”**
International Journal of Innovation Research in Science and Engineering
ISSN(print):
2319-2526, Volume-02, Issue-03,March 2016
- **“Prediction of piston slap of IC engine using FEA by varying gas pressure ”** International Journal of Advanced Research in Science and Engineering , ISSN(print):2319-8354, Volume-05, Issue-01,March 2016
- **“Computational stress intensity factor of brass plate with edge crack with CINT command ”** International Journal of Innovation Research in Science and Engineering ISSN(print):2319-2526, Volume-02, Issue-03,March 2016

- **“Computational stress intensity factor of brass plate with edge crack with CINT command”** International Conference on Recent innovations in engineering and Management(ICRIEM-2016) Held on 23ed March 2016
- **“Distance Based Node Election for Energy Efficient Routing in Wireless Sensor Networks”** International Conference in Computer Science, Electronics and Communication Engineering –ICCECE, 2017ISBN: 978-3-643-24819-10, Bangalore, 27th July, 2017
- **“Contact Stress Analysis In Design Modification Of Helical Gears ”** International Journal Of Research Journal ,Volume 7 ,Issue 10,October 2018,ISSN: 2263-6124, Nagpur Maharashtra Oct 2018
- **“Modeling And Analysis Of CNC Milling Machine BED With Advanced Materials ”** International Journal Of Research Journal ,Volume 7 ,Issue 10,October 2018,ISSN: 2263-6124, Nagpur Maharashtra Oct 2018

06 LISTS OF PG /UG PROJECTS GUIDED

Projects Guided	Title of the project(s)	Year
PG	1)Finite Element Analysis of stress field around crack tip in a fiber reinforced composite	2013-14
UG	1) Characteristics study of photo elasticity	2013-14
	2) Frequency study of forced Damped Vibration	2013-14
	3) Wall static pressure coefficient distribution on a circular cylinder in cross flow due to impingement of a circular jet under confined condition	2013-14
	4) Frequency Analysis of amplitude study of forced damped vibration using double spring system	2013-14
	5) Automatic power break system in vehicle by using pneumatic system	2013-14

	6) Frequency Analysis of amplitude study of forced damped vibration using double spring and double mss system	2013-14
UG	1)Mechanical Characterization of glass reinforced polymer composite field with clay ash	2014-15
PG	Computational stress intensity factor of brass plate with edge crack with CINT command	2015-16
PG	Automatic power break system in vehicle by using pneumatic system	2015-16
UG	Frequency Analysis of amplitude study of forced damped vibration using double spring and double mss system	2015-16
PG	Comparison Study of Lower Control Arm with Different Material	2016-17
PG	Thermo Mechanical Analysis Of Exhaust Manifold	2016-17
PG	Sugar cane Harvesting Machine	2016-17
UG	Fabrication of Plastic Injection Moulding Machine	2016-17
PG	NVH ANALYSIS OF AN AUTOMOTIVE VEHICLE	2017-18
PG	DESIGN AND MODELING OF PISTON IN COMBUSTION ENGINES	2017-18
PG	OPTIMIZATION OF FLEX PLATE USING HYPER MESH & ABACUS SOFTWARE	2017-18
PG	OPTIMIZATION OF STRUCTURAL STRENGTH OF LOADER ARM BUCKET ASSEMBLY	2017-18

UG	FABRICATION OF PLASTIC INJECTION MOLDING MACHINE	2017-18
PG	DESIGN AND FABRICATION OF AGRICULTURE WEEDER MACHINE	2018-19
UG	MODELING AND ANALYSIS OF CNC MILLING MACHINE BED WITH ADVANCED MATERIALS	2018-19
UG	CONTACT STRESS ANALYSIS IN DESIGN MODIFICATION OF HELICAL GEARS	2018-19

07. RESPONSIBILITIES AT DEPARTMENT/INSTITUTE LEVEL

Responsibilities At Department Level
<ul style="list-style-type: none"> • CAED Lab In charge • Department Seminar Review committee Member • Workshop (national Design awareness program)Inaugural and valedictory committee member • Department sports and cultural committee member • Department NBA committee member • Department Magazine coordinator • Department SOP member
Responsibilities At College Level
<ul style="list-style-type: none"> • Anti Ragging Committee Member • Building ,works and campus maintenance committee member • Stock Verification committee Member • Gymkhana committee member • Sambhrama 2014, 2015 ,2016,2017,2018 and 2019 screening and Cultural programme member • One day Science Exhibition “AAVISHKARA” Committee member -2018 and 2019