

CURRICULUM VITAE OF PROFESSOR

UNIVERSITY/ INSTITUTION: VTU/BIET, Davangere

1.) Name : Dr.K.Sadashivappa

2.) Educational Qualification :

Graduation & above	Subject	Class	Year	University
BE	Production	I	1984	Mysore
M.Tech	Production	I	1990	Mysore
Ph.D	Mechanical	I	1997	IIT, Madras

Subject taught with specializations : Production Engineering subjects, Mechatronics

3.) Date of Birth :

Month	Date	Year
02	06	1962

4.) Positions held :

Post	From	To	Institution
Lecturer	January 1985	June 1996	BIET
Asst. Professor	July 1996	February 2004	BIET
Professor	March 2004	Till date	BIET

5.) A) Research publications (give numbers) : List Attached

- a) Referred Journals : International
- b) Other Journals : Nil
- c) Conferences : National and International - List Attached
- d) Books :

Books chapter	Publication	Year, level
Micro opto mechatronics	AICTE CEP	1998, for Engineering Teachers
Micro Electro Mechanical System Technology	AICTE CEP	1999, for Engineering Teachers
Micro smart sensor	AICTE CEP	2000, for Engineering Teachers
Introduction to stereolitho graphy	AICTE CEP	2001, for Engineering Teachers

B) Research done: Significant contributions

1. Development of hot air jet for cutting glass plates. various parameters like air temperature, velocity, plate thickness etc., are studied. Jet diameter was optimized
2. Development of metal matrix composites. ZA27 garnet reinforced composite material was developed and characterized.
3. Analysis and experimental studies on high speed internal grinding spindles with modified design.

6.) Ph.D's Guided :

Name	Title of thesis	Year	University
E.S.Prakash	Experimental investigations on Thermal cutting of plate glass using hot air jet.	1997	Kuvempu
Prasanna Kumar M	Development and characterization of ZA27 garnet reinforced composite materials	2003	Kuvempu

7.) Awards & Recognitions

	Year	Name
International	-	-
National	1990	Senior research fellowship from CSIR New Delhi
	1999	A letter awarded by AICTE, for completing R & D Project on thermal cutting of plate glass exemplary well
State	-	-

8.) Membership & Fellowship of professional Bodies: (dates)

1. Life member of ISTE, LM 23562, 1997
2. Member of Institution of Engineers (India) Kolkota, M/226351/4

9.) Visits abroad (dates) : (details: Agency, with whom on what and degree/publications)

- a.) Through Scholarships/ Fellowships : -
- b.) Academic Meetings/conference presenting paper/ presiding/ invited speaker: -

10.) Research projects : (Period, Agency, amount)

- a) Individual :
 1. Experimental investigations on Thermal cutting of plate glass using hot air jet, 1997 to 2000, AICTE, Rs 3 Lakhs.
 2. Development and characterization of ZA27 garnet reinforced composite materials, 2003 to 2004, IEI, Rs 0.4 Lakh
- b) Special programs like SAP, FIST if you were :
Co-ordinator / Dy Co-ordinator
Co-ordinated
 1. ISTE Sponsored STTP on Computer Integrated Manufacturing (CIM) 2002
 2. ISTE Sponsored STTP on Micro Machining & MEMS 2003.

11.) Other significant contributions :

- a) Administrative position held :
 1. Assistant co-ordinator for IGNOU study centre, 1311, 1998 – 2000
 2. Exams superintendent at IGNOU study centre, 1311, 1998 – 2000
 3. External deputy chief superintendent for VTU Exams, 2000 – 2001
 4. Head of IP Engineering department, BIET, Since 2004
- b) Members of University authorities :
Member of IP Board BOS, VTU, 2006.
- c) National International Committees / Assignments : -
- d) Special efforts for curriculum development, teaching, evaluation, etc., : -
- e) Any other : -

Research publications :
 Referred Journals : International

Sl No	Title of Paper / Report / Book	Author (s)	Name, Volume, number of journal and year of publication	Page no	
				From	To
1.	On the efficiency of axial piston motor considering piston from deviation	Sadashivappa. K Singaperumal M Narayanaswamy K	Int.J of Mechatronics, UK, Vol 6, No 31996	283	301
2.	Piston efficiency and friction measurement in hydraulic cylinder in dynamic condition considering from deviations on piston	Sadashivappa. K Singaperumal M Narayanaswamy K	Int.J of Mechatronics, UK, March 2001, Mechatronics 11	251	266
3.	Non conventional cutting of plate glass using hot air jet experimental studies	Sadashivappa. K E S Prakash Singaperumal M Vins Joseph	Int.J of Mechatronics, UK, March 2001,		
4.	Physical and Mechanical Properties: Hot pressed Phenol Formaldehyde based Wood Plastic Composite	R.S.Ramesh, K. Sadashivappa, and L. Sharanaprabhu	Materials Today:Proceedings, Elsevier Journal. Vol.5, Issue 11, -, 2018	25331	25340
5.	Experimental Investigation of Tensile and Hardness Behaviour of PF based Wood Plastic Composite	R.S.Ramesh, K.Sadashivappa, and L.Sharanaprabhu	IOSR Journal of Engineering, vol. 8, no. 7, pp., July 2018	09	14
6.	Study of Physical and Mechanical Properties: Hot pressed Un-treated Wood Plastic Composite	R.S.Ramesh, K.Sadashivappa, and L.Sharanaprabhu	International Journal of Mechanical Engineering and Technology vol. 9, no. 7, pp., July 2018.	669	677
7.	Study of Hardness and Impact Behavior of Phenol Formaldehyde based Wood Plastic Composite	R.S.Ramesh, K.Sadashivappa, and L.Sharanaprabhu	International Journal of Engineering Research and Technology (IJERT), vol. 3, no. 17, pp. 2015.	167	172

Conferences : National and International

1.	Effect of form errors on the hydraulic lock in axial piston pumps and motors	Sadashivappa. K Singaperumal M Narayanaswamy K	Proc of VII All India Fluid power conf., Bengaluru 1992	109	114
2.	Effect of form errors in piston pumps and motors	Sadashivappa. K Singaperumal M Narayanaswamy K	Proc of 15th AIMTDR conf., Coimbatore, 1992	220	223
3.	Investigation on axial piston motor having piston with form	Sadashivappa. K Singaperumal M	Proc of IPROMM, Bengaluru 1995	35	44

	errors	Narayanaswamy K			
4.	Effects of form deviations of pistons on efficiency of hydraulic pumps/motors	Sadashivappa. K	FPSI Madras chapter, 1995		
5.	Influence on form deviation of dynamic friction in hydraulic cylinders	Sadashivappa. K Singaperumal M Narayanaswamy K	Proc of NACOMM, Durgapur, 1996	F7	F12
6.	Dynamic characteristics of a axial piston motor in deep sea simulated environment	Sadashivappa. K Singaperumal M E S Prakash	Proc of Fluid power seminar, 1998, Bengaluru		
7.	Basic preparation of production drawings	Sadashivappa. K	Proc. AICTE – ISTE summer school, 1998		
8.	Computer aided strip layout and die set for blanking and piercing operations	Sadashivappa. K Somashekhar Hiremath	Mechsoft 1998, Dayanand sagar college, Bengaluru		
9.	Qualitative analysis of micro drilled non conductive material drilled by electro chemical spark machining	Sadashivappa. K Somashekhar Hiremath	Proc. Of National conf. on Quality control in metallurgical industries, PSG Tech., Sept 1999	34	40
10.	Strain measurement in glass plate during thermal cutting	Sadashivappa. K E S Prakash	Conf.on precision engg. Copen 2000, IIT, Madras	117	122
11.	ESCM – A new approach for precision micro drilling on non conductive materials	Sadashivappa. K Somashekhar Hiremath Singaperumal M Y Vrushabhendruppa	Copen 2000, IIT Madras, Jan 2000	123	128
12.	Prediction of temp. distribution in plate glass during thermal cutting and surface finish of cut surfaces	Sadashivappa. K Singaperumal M E S Prakash Vins Joseph	19th AIMTDR conf., IIT, Madras, Dec 2000	179	184
13.	Some performance aspects of micro hydraulic actuators	Sadashivappa. K Singaperumal M Narayanaswamy K	Proc.of first IF to MM micro mechanisms symposium, Tokyo, 1993	161	171
14.	On the torque loss in axial piston motors considering form errors in piston	Sadashivappa. K Singaperumal M Narayanaswamy K Elanchezhian	Proc. of 9th world congress on TOMM Milan, Italy, 1995	965	969
15.	Influence of form deviations on the dynamic performance of micro hydraulic actuator	Sadashivappa. K Singaperumal M Narayanaswamy K	Proc. of 10th ASPE annual meeting, Austin 1995	309	312
16.	Effect of piston deviation on frictional aspects of hydraulic motor in hyperbaric environment	Sadashivappa. K Singaperumal M Narayanaswamy K	Proc. of Int. colloquium Tribology, Germany, 1996	2217	2222
17.	Characteristics of hydraulic motor in hyperbaric environment	Sadashivappa. K Singaperumal M Narayanaswamy K	Proc. of fluid power Symposim, Yokahama, Japan, 1996	512	523
18.	Thermal cutting of plate glass	Sadashivappa. K Singaperumal M	Proc. of ASPE annual meeting, California, 1996, Vol 14	551	556
19.	Eccentricity measurement of piston in hydraulic cylinders in	Sadashivappa. K Singaperumal M	Int. conf on Ultra precision manufacturing		

	dynamic conditions	Narayanaswamy K Bhaskar Dixit C S E S Prakash	engg., 1997, Germany		
20.	Precision fabrication and testing of an improved air blast atomizer for aircraft combustor	Sadashivappa. K Singaperumal M Narayanaswamy K B S Samaga	Int. conf on Ultra precision manufacturing engg., 1997, Germany		
21.	Influence of form deviation on frictional characteristics of a micro axial piston motor	Sadashivappa. K Singaperumal M Narayanaswamy K	11th Int. colloquium Tribology ostfildern, Germany, 1998		
22.	A compact portable air jet gun for thermal cutting of plate glass	Sadashivappa. K Singaperumal M E S Prakash	13th ASPE annual meeting, USA, 1998 Vol 18		
23.	Influence of coolant temp. on surface finish in turning operation	Sadashivappa. K Singaperumal M E S Prakash	13th ASPE annual meeting, USA, 1998 Vol 18	104	107
24.	A study on thermal strain on plate glass during thermal cutting	Sadashivappa. K Singaperumal M E S Prakash	Proc. of 14th ASPE meeting, USA, 1999	184	187
25.	Micro drilling of non conducting material using electro chemical spark machining	Sadashivappa. K Somashekhar Hiremath	Proc. of 14th ASPE meeting, Oct 1999, USA, Vol 20	188	191
26.	Experimental study on glass cutting speed using hot air	Sadashivappa. K E S Prakash	S10, OPTO 2000, Germany 2000		
27.	A modern machining methods for cutting micro profiles on conducting materials	Sadashivappa. K Somashekhar Hiremath	S9, 4th Int. conf. OPTO 2000, Germany		
28.	Wear behavior of different mating parts	Sadashivappa. K J Shivakumar	15th annual meeting ASPE USA, Oct 2000		
29.	Non straight profile cutting on glass using hot air jet	Sadashivappa. K E S Prakash	15th annual meeting ASPE USA, Oct 2000		
30.	Theoretical Analysis of rigidity and critical speed of a high frequency internal grinding spindle,	D.Ramesh Rao Sadashivappa K	AIMTDR Conferences, December 2004, VIT, Vellur		
31.	Solid modeling, fabrication and testing of a digital pneumatic servovalve,	Sadashivappa. K D.E.Umesh	National Conf. on advances in manufacturing Tech., AMTEG 2005, Pune Inst. Of Engg and Tech, Pune, 21-22 Jan 2005		
32.	Material Characterisation and mechanical properties of ZA alloy metal matrix composite,	Sadashivappa. K M Prasanna Kumar G P Prabhukumar	Recent Trends in Mechanical Engineering, July 2004, Koparagaon		
33.	A study of the dry abrasion and mechanical properties of Zinc-Aluminium alloy with reinforced garnet particles	Sadashivappa. K M Prasanna Kumar G P Prabhukumar	Int. Conf. at Banaras Hindu University, Varanasi, Uttarpradesh, December, 2004	17	19
34.	Analysis and optimization of a	Sadashivappa. K	Banaras Hindu		

	composite mono leaf spring for heavy duty truck suspension by finite element method	Thippeswamy Ekbote D Ramesh Rao	University, Varanasi, Uttarpradesh, Feb 20 – 23, 2007		
35.	Analysis on optimization of a composite monoleaf spring for heavy duty truck suspension by FEM,	Sadashivappa. K Thippeswamy Ekbote	Conference on recent advances in composite Materials 20 – 23 February 2007		
36.	Mechanical properties of wood filled epoxy composites	Sadashivappa. K K C Devendrappa	Composites ICAMT – 08, February 6 – 8, 2008, IIT Madras		
37.	Investigation of Wear behavior of PF based Wood Plastic Composite	R.S. Ramesh, K. Sadashivappa, and L. Sharanaprabhu	Conf.Proc. Int.Conf.on Recent Trends in Engineering Science and Technology (ICRTEST), Hyderabad,Telangana,India 25-27, October, 2016.	131	140
38.	Physical and Mechanical Properties: Hot pressed PF based Wood Plastic Composite,	R.S. Ramesh, K. Sadashivappa, and L. Sharanaprabhu	Conf.Proc. Int. Conf. on Advances in Materials and Manufacturing Applications (IConAMMA), Amrita Vishwa Vidyapeetham University, Bengaluru, Karnataka, India, , August, 2017.	17	19