




H.K.E Society's

Poojya Doddappa Appa College of Engineering, Kalaburagi

FACULTY PROFILE FORMAT

Personal Details	
Name: BASAWANAND S MOTGI	Photo (3.5cm  x4.5cm):
Designation: ASSOCIATE PROFESSOR	
Department: MECHANICAL ENGINEERING	
College Address: PDA COLLEGE OF ENGG KALABURGI	
Contact: 9448140409	
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Areas of Interest	ROBOTICS, NON CONVENTIONAL ENERGY SOURCES, NONTRADITIONAL MACHINING, NON DESTRUCTIVE TESTING COMPOSITE MATERIALS ENGINEERING GRAPHICS
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Subjects Taught	
UG	PG
Engineering Graphics	Robotics
Industrials Robotics	Nontraditional Machining
Non conventional Energy Sources	Non Destructive Testing
Kinematics Machines	
Dynamics of Machines	
Manufacturing process I & II	
Mechtronics	

Academic Background				
Degree	Specialization	Name of the Institute	University	Month and Year of Passing
Ph.D Persuing	Composite Materials	PDA College of Engg Kalaburgi	VTU	
PG (M.tech /M.E)	Production Science and Technology	IIT Kharagpur	IIT Kharagpur	January 1996
UG (B.Tech/ B.E)	Mechanical Engg	PDA College of Engg Kalaburgi	Gulbarga University Gulbarga	Nov 1986

Work Experience							
Name of the Institution		Position		From		To	
PDACE Kalaburgi		Lecturer		1987		2002	
		Asst Prof		2002		2006	
		Asso Prof		2006		Till date	
Total Experience	34	Teaching	34	Research	10	Administration	06

Research Publications					
Total Number of Publications	International Journal	National Journal	International Conference	National Conference	Total
		21			21
Recent Publications (Journals)					
1.	Characterization of SG Iron using Digital Image Analysis system International journal of Advanced Science & Technology (ISSN No 2005-4238) Sept/Oct 2011				
2.	Optimizing the SG Iron Properties by Designing automated microstructure image analysis system International Journal of Engineering Research and Development (IJERT) eISSN 2278-067X, pISSN 2278-800X Vol 3, issue 11, Sept 2012				
3.	International Journal of Engineering Research and Development (IJERT) eISSN 2278-067X, Vol 2, issue 1, July 2012				
4.	A Study on Mechanical Properties of Flyash and Alumina Reinforced Aluminium Alloy(LM25) Composites IOSR Journal of Mechanical and Civil Engineering(IOSR-JMCE) eISSN 2278-1684, pISSN 2320-334X				

	Vol 7, issue 6, July-Aug 2013
5.	A Study of Microstructures and Tribological Characteristics of LM25/SiC/Mica Hybrid MMCs International journal of advance research, IJOAR. org. Vol. 1, Issue8, Aug 2013, Online: ISSN 2320-9135
6.	Experimental Investigations on Mechanical Properties of Al 6061, SiC, Flyash and Redmud Reinforced Metal Matrix Composites IJSRD-International Journal of Scientific Research and Development ISSN online :2321-0613 Vol 2, issue 7, 2014
7.	A Study on Mechanical properties of Aluminium Alloy (LM₆) Reinforced with Fly Ash, Redmud and Silicon Carbide IOSR Journal of Mechanical and Civil Engineering(IOSR-JMCE) eISSN 2278-1684, pISSN 2320-334X Vol 11, issue 5, Sept-Oct 2014, pp 07-16
8.	Evaluation of Mechanical Properties of Al 7075 Alloy, Flyash, SiC and Redmud Reinforced metal matrix Composites IJSRD-International Journal of Scientific Research and Development ISSN online :2321-0613 Vol 2, issue 7, 2014
9.	A Study on mechanical and Tribological Properties of Al6063 MMC Reinforced with Nano SiC, Fly ash and Red Mud. IJSRD-International Journal for Scientific Research and Development ISSN (online) :2321-0613 Volume: 3 Issue: 06 2015
10.	Evaluation of Mechanical and Tribological Properties of Aluminium Composite Material made from AL7075 Alloy Reinforced with Flyash, SiC and Redmud at Nano Sized Particles. International Journal of Engineering Research and Technology (IJERT) ISSN 2278-0181, Vol 4, Issue 09, Sept. 2015
11	A Study on Mechanical and Tribological Properties of AL LM6 MMCs Reinforced with Nano SiC, Fly Ash and Red Mud IJSRD-International Journal for Scientific Research and Development ISSN (online) :2321-0613 Volume: 3 Issue: 08 2015
12	Synthesis and Characterization of AL 7075 MMC Reinforced with Nano SiC and Red Mud. IJSRD-International Journal for Scientific Research & Development ISSN (online) :2321-0613 Vol. 4, Issue 04, June 2016
13	A Study on Mechanical and Tribological Properties of AL Alloy 7075 MMCs Reinforced with Nano Silicon Carbide and Fly Ash. IJSRD-International Journal for Scientific Research & Development ISSN (online) :2321-0613 Vol. 4, Issue 04, 2016
14	Evaluation of Mechanical Properties of AL7075 MM'C Reinforced with nano Silicon Carbide and Nano Aluminium Oxide. IJSRD-International Journal for Scientific Research & Development ISSN (online) :2321-0613 Vol. 4, Issue 04, June 2016
15	A Study on Mechanical and Tribological properties of Aluminium 7075 MMCS Reinforced with nano silicon carbide (SiC), Tur husk and E-Glass fiber. IJITR-International Journal of Innovative Technology and Research ISSN (online) : 2320-5547 Vol. 5, Issue 04, June-July 2017, 6951-6954
16	A Study on Mechanical and Tribological properties of Aluminium 7075 MMCS Reinforced with nano silicon carbide (SiC), Tur husk IJITR-International Journal of Innovative Technology and Research ISSN (online) : 2455-2585 Vol. 4, Issue 07, July 2018,
17	A Study on Optimization of Reinforcements SiC & tur husk on Mechanical and Tribological Properties of AA7068MMC by Taguchi Techniques IJRSEM Vol 02, issue 10, oct 2019
18	Fabrication of Al 7068 Reinforced with Tur Husk Ash (THA) and Alumina Hybrid Metal Matrix Composite by powder Metallurgy and Evaluating its Microstructure and Mechanical Properties IJSRET -International Journal of scientific Research ISSN and engineering trends in volume 05, issue 05, Sept-Oct-2019 Page 14634-1643
19	A Study on Optimization of Reinforcements Al₂ O₃ and Tur Husk on Mechanical and Tribological Properties of AA7068MMC's by Taguchi Techniques IJRESM Vol 02, issue 10, oct 2019

20	A Study on Mechanical properties of Aluminium 6063 Reinforced with SiC & Tur Husk IRJET Vol. 7, Issue 09, Sept 2020
21	A Study on Mechanical properties of Aluminium 6063 Reinforced with Nano SiC & Tur Husk IRJET Vol. 7, Issue 09, Sept 2020

Memberships in Professional Bodies	
S.No.	Name of the Professional Body
1.	LMISTE
2.	

Programs Organized	
1.	Recent Advances in Mechanical Engineering one week Short term programme Sept 2013
2.	Robotic Design and Prototype, innovations and development Sept 2020 one week
3.	

Awards	
1.	Best Lecturer Awards 2018-19
2.	

Training Programmer Attended	
1.	TEQIP-II one week (04 to 09-10-2016) short term course on Computer aided drafting (CAD) and 3D modeling using solid works
2	TEQIP-II one week (23-to 28-01-2017) short term training programme (STTP) on Automation using internet of things (IoT)
3.	TEQIP-III three days national workshop on (21 to 23-06-2018) Outcome based education: A transformational Approach for quality education
4.	TEQIP-II one week faculty development program on (27-02-2017 to 03-03-2017) Pedagogical skills training for engineering teachers
5.	One day seminar on 09-03-2019 Effective teaching and learning in OBE & life skills for Engineers
6	TEQIP-III Sponsored one day faculty Development Program 03-05-2019 Hydraulics-pneumatics, PLC & Mechanical using Automation studio
7	Two weeks AICTE sponsored faculty development program (FDP) 10-22-01-2020 Recent development in advanced composite materials, manufacturing and sustainability
8	One week online AICTE Sponsored STTP on 14 to 19-12-2020 Hybrid and Electric Vehicles

Special Lectures Presented	
1.	Non conventional energy source presented In REC Bhalki BEC Basavakalyan
2.	

Role & Responsibilities	
1.	Dean Stores
2.	In charge CAED Lab
3.	

