


SRES', Sanjivani College of Engineering, Kopergaon
(An Autonomous Institute affiliated to SPPU, Pune)

Staff Profile

Personal Information			
Name of Teaching Staff: Dr . R. A. Kapgate			
Designation: Professor			
Department : Mechatronics Engineering			
Date of joining : 13 - Dec- 2016			
E Mail ID :		rakapgate@sanjivani.org.in	
Contact No:		9890515588	
Education Details			
Qualification	Specialization with Class or Grade	University	Year
BE	Production engg (Distiction)	Amravati University	1994
MBA	Material mgt	Pune University	1998
MTech	Industrial engg (Distinction)	VNIT , Nagpur	2004
Ph.D	Mechanical engg	Nagpur university	2015
Total experience in years:			
Teaching:		19.5 years	
Industry:		08 Years	
Research and Publications			
<ol style="list-style-type: none"> 1. R A Kapgate, V H Tatwawadi, J P Modak. , Process Parameters Modelling of Wire Electrical Discharge Machining on Al/SiC_{10%} MMC Using Multiple regression Analysis. Inventi Impact: Mechanical Engineering, 2013(2):63-69, 2013. [ISSN 2277-6257] 2. R. A. Kapgate, V. H. Tatwawadi, J. P. Modak , Process Parameters Modelling Of Wire Electrical Discharge Machining On Al/SiC_{10%} MMC Using Dimensional Analysis International Journal of Scientific & Engineering Research, Volume 4, Issue 4, April-2013(946-951) [ISSN 2229-5518] 3. R. A. Kapgate, V. H. Tatwawadi, Development Of Al/SiC_{10%} Metal Matrix Composite 			

<p>And Its Comparison With Aluminium Alloy - LM13 On Tribological Parameters, International Journal of Engineering Research & Technology (IJERT) , vol. 2 Issue 4, April - 2013 (1212-1217) [ISSN: 2278-0181]</p> <p>4. R. A. Kapgate, V. H. Tatwawadi, Artificial Neural Network Modelling for Wire-EDM Processing of Aluminium Silicon Carbide Metal Matrix Composite, International Journal of Engineering Research & Technology (IJERT) , Vol.2 Issue 5, May - 2013 (2249-2256) [ISSN: 2278-0181]</p> <p>5. Jalees Ahemad, SV Bhaskar, RA Kapgate, ND Sadaphal, SB Kharde, Development of Al/Sic5%, Al/Sic10%, Al/Sic15%, Metal Matrix Composite And Its Comparison With Aluminium Alloy-LM25 On Tribological Parameters , International Journal of Emerging Technology and Advanced Engineering, Vol.3 Issue 9, May - 2013 (2249-2256) [ISSN: (ISSN 2250-2459]</p> <p>6. VD Londhe, MS Mhaske, RA Kapgate, Evaluation of tribological behaviour of LM13-silicon carbide composite under ambient & elevated temperature, International Journal of Scientific Research Engineering & Technology, Vol.3 Issue 3, May - 2014 (334-340) [ISSN: ISSN: 2395-566X]</p>	
Research Profile URL	
Google Scholar	https://scholar.google.com/citations?user=V-lrimwAAAAJ&hl=en
Other Research Details	
Ph D Guide ?Give field & University:	Mechanical engineering, Pune University.
Ph Ds Guided:	<p>Supervised work (Doctoral level)</p> <ol style="list-style-type: none"> 1. Establishment of Optimized Experimental Data Base Model for Nitriding, Micro-blast Surface Treatments and TiCN, AlCrN Coatings on AISI D3 Forming Tool, Mr. Kolse Chandrashekhar Ashok 2. Experimental Database Modelling of Performance Enhancement and Optimization of Electric Vehicle through Application of Electro-Mechanical Kinetic Energy Regenerative System (KERS) and E-Lock Differential, Mr. Aher Sandeep Shankarrao.
Books Published	03 Books for industrial engg (BSc Course) of YCMU, Nashk
IPRs/Patents	Nil
Professional Memberships:	ISTE: 43375 , IPE:WM760, IEEE: 97573378 IAENG:221314

Interaction with professional institutions	YCMU, Nashik
Consultancy Activities	
1. Grey water waste management system for Vaijapur municipal corporation, Vaijapur municipal corporation, Aurangabad (MH).	
Grants fetched	
1. Development of Al/SiC metal matrix composite , VRDE, Ahmednagar(MH), DRDO , Govt. of India, Total work sponsored by VRDE, December-2007 To April-2010 2. Development of supply chain management for forging industry, Project sponsored by Siddhi forge pvt ltd, Ahmednagar (MH), August-2003 to August-2004. 3. Grey water waste management system for Vaijapur municipal corporation, Rs 7,50,000, Vaijapur municipal corporation, Aurangabad (MH). 4. Development of high precision modular platform for complex coordinate measurement of part geometry through non-contact 3D scanning and partial open source software., Submitted under Indo-Russian joint project, DST, New Delhi, Rs. 1.15 Cr on October 2020 (Under submission)	
Awards	
i. ‘Best participant award ’ in UGC refresher course on ‘Manufacturing and management’ at Annamalai University which was organized during 15 Nov.-05 Dec.-2005 ii. Won 2nd rank in National level paper presentation competition at Wadhwan city, Surndranagar (Gujarat) during 06 may 2001 Paper Topic: -“Productivity improvement through effective cam design in automates.”	
FACULTY DEVELOPMENT PROGRAMMES ATTENDED	
i. Twenty one days UGC Refresher course on ‘Manufacturing and Management’ at Annamalai university, Annamalai, Tamilnadu during 15Nov.-05Dec –2004 ii. Ten days AICTE –ISTE short-term training programme on ‘Advances in CAD/CAM/CAE, at Amrutvahini college of engg.,Sangamner during 26Oct.-05Nov.-2004 iii. Five days AICTE sponsored ‘HRD programme’ for directors, principals, registrars, faculty, departmental heads and administrative staff of engineering colleges and management institutions at Pune institute of engg. And technology, Pune during 23-27 September 2004 iv. One week AICTE –ISTE short-term training programme on ‘Applications of optimization techniques in science and engineering’ at Anuradha College of engineering, Chikhali, Buldhana. during 29March-03 April 2004 v. Three day International conference on ‘Manufacturing and management (GCMM-2004)’at Vellore institute of technology, Vellore, Tamilanadu During 08-10 Dec.-2004 vi. One Day national conference on ‘World class manufacturing (WCM-2004) at B. D. College of engineering, Sewagram, Wardha. During 26 March 2004.	

vii.	Three day International conference on ‘Responsive supply chain and organizational competitiveness (RSC -2004) –A technological watch’ at Coimbatore institute of technology, Combatore During 5-7 January 2004.
viii.	Two-day workshop on ‘Industrial problem in machines and mechanism’ at Walchand College of engineering, Sangali. During 15-16 March 1997

FACULTY DEVELOPMENT PROGRAMMES ORGANIZED

i.	Organized one day workshop for the ‘Syllabus implementation of manufacturing automation’ subject (Sponsored by University of Pune) at Amrutvahini college of engg, sangamner. Date of organization: - 23 rd Sept .2000.
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INVITED LECTURES IN CONFERENCE/SEMINAR

Title of Lecture/ Academic Session	Title of Conference/ Seminar etc.	Organized By
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OTHER Professional URLs

Personal Website	https://rakapgate.wordpress.com/
Linked In Profile	https://in.linkedin.com/in/rajendra-kapgate-22700914