

## Resume

**Full Name:**

**Dr. Sanjay B. Chikalthankar**

**Date of Birth:**

**1<sup>st</sup> March 1968**

**Residential Address:**

**Plot No.23, Arunodaya coloney,  
Beed bypass Road, Aurangabad.**



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### Qualification Details:

Sr.No.	Certificate/Degree	Specialization	Board/University	Passing Year	Percentage Marks	Class/Grade
1	Diploma Engg.	MECHANICAL	MSBTE	1987	74.45	I First in G.P. Khamgaon (6 <sup>th</sup> in Maharasht
2	B.E.	MECHANICAL	MARATHWADA University	1990	72.66	DISTINCTION
3	M. E.	MECHANICAL DESIGN	Dr. BAMU	1997	67.62	I
4	Ph.D	MECHANICAL	Dr. BAMU	24 September 2011		

## Services in

### a) Government Technical Education Department

Institute	Department	Designation	From Date	To Date
Government Polytechnic, Jalna	Mechanical Engineering	Lecturer	04 Aug 2001	31 Oct 2003
Government College of Engineering, Aurangabad	Mechanical Engineering	Assistant Professor	01 Nov 2003	26 Jun 2007

### b) Professional Experience

Sr.No.	Institute	Designation	Last Salary Drawn	From Date	To Date	Nature of Job
1	BHARAT FORGE, PUNE	TRAINEE ENGINEER	3100	25 Jun 1990	03 July 1991	SUPERV ISERY
2	GLEITELEGER INDIA LTD., AURANGABAD	Q.C. OFFICER	6800	04 July 1991	24 Aug 1993	MANAG ERIAL
3	MIT, COLLEGE OF ENGINEERING, AURANGABAD	LMED	9000	25 Aug 1993	03 Aug 1997	TEACHI NG
4	PES, COLLEGE OF ENGINEERING, AURANGABAD	LMED	14000	04 Aug 1997	03 Aug 2001	TEACHI NG

## A) Research Papers Published

### 1. Publication in International online Refereed Journals

Sr. No	Title of paper	Journal	Publication	Month & year	Volume & Issues	ISSN	Impact factor/Online
1	Cost Based Failure Modes and Effect Analysis	IJSRD	International Journal for Scientific Research & Development	April 2016	Vol. 4, Issue 04	ISSN: 2321-0613	Online
2.	Factors Affecting on Residual Stresses & Springback in Sheet Metal Bending: A Review	IJSRD	International Journal for Scientific Research & Development	October-2015	Vol. 3, Issue 08	ISSN: 2321-0613	online
3.	Effect of Silicon Carbide Content on Tribological Properties of Aluminium Zinc Alloy Composite At Elevated Temperature	IJSEAS	International Journal of Scientific Engineering and Applied Science	July 2015	Vol.1, Issue-4,	ISSN: 2395-3470	Online
4.	Failure Mode Effect Analysis of Cutting Operation of Needle for Roller Bearing	IJSR	International Journal of Science and Research	April 2015	Vol. 4, Issue 4	ISSN : 2319-7064	Online <i>(Index Copernicus Value: 6.14, Impact Factor 4.438)</i>
5.	Effect of Silicon Carbide Content on Tribological Properties of Aluminium Zinc Alloy Composite	IJERT	International Journal of Engineering Research & Technology	October-2014	Vol. 3 Issue 10	ISSN: 2278-0181	Online
6.	Investigation and	IJERT	International Journal of	October-2014	Vol. 3 Issue 10	ISSN: 2278-0181	Online

	Optimization of Tool Tip Temperature in Turning of OHNS		Engineering Research & Technology				
7.	Investigation And Optimization Of Various Machining Parameters Affecting The Effectiveness Of Turning: A Review	IJERT	International Journal of Engineering Research & Technology	May - 2014	Vol. 3 Issue 5	ISSN: 2278-0181 IJERTV3IS051292	Online
8.	Factors Affecting on Spring-back in Sheet Metal Bending: A Review	IJEAT	International Journal of Engineering and Advanced Technology	April - 2014	Volume-3, Issue-4	ISSN: 2249 – 8958,	Online
9.	Comparative Study of Bearing Materials and Failure of Plain Bearings	IJERT	International Journal Of Engineering Research and technology	Feb - 2014	Volume 3, Issue 2	ISSN 2278-0181	Online
10.	A Review & Literature of Frictional & Wear Characteristics of Non-Asbestos Brake Pad Using Link Chase Machine	IJMET	International Journal Of Mechanical Engineering Research and technology	Jan - 2014	Volume 5, Issue 1	ISSN 0976-6359	5-7731 BY GISI
11.	Influence of Machining Parameters on Electric Discharge Machining of WPS Tool Steels – an Experimental Investigation	IJMPERD	International Journal Of Mechanical and production Engineering Research and development	Dec - 2013	Volume 3, Issue 5	ISSN(p) 2249-6890, ISSN(e) 2249-8001	Online
12.	Experimental	IJMPERD	International	Oct - 2013	Volume	ISSN 2249-	Online

	Analysis and Study of Wear of Crankshaft Bushing Under Variable Condition		Journal Of Mechanical and production Engineering Research and development		3, Issue 4	6890	
13.	Analysis of Orthotropic Plate by Refined Plate Theory	IJEAT	International Journal Of Engineering and advanced technology	Aug - 2013	Volume 2, Issue 6	ISSN 2249-8958	Online
14.	Bending and Free Vibration Analysis of Isotropic Plate Using Refined Plate Theory	BIJIEMS	International Journal Of Industrial Engineering and management science	June - 2013	Volume 3, Issue 2	ISSN 2277-5056	Online
15.	Experimental Investigations of EDM Parameters	IJERD	International Journal Of Engineering Research and development	June - 2013	Volume 7, Issue 5	E-ISSN 2278-067X, p-ISSN 2278-800X	Online
16.	Predicting Effect of Flow of Lubricant, Pressure, Shaft velocity and Surface Finish on Depth of Wear of Lining Thickness of Engine Bushing by Experimentation	IJERT	International Journal Of Engineering Research and technology	May - 2013	Volume 2, Issue 5	ISSN 2278-0181	Online
17.	Finite Element Analysis Approach for Stress Analysis of Crankshaft under Dynamic Loading	IJSER	International journal of scientific & engineering research	Jan - 2013	Volume 4, Issue 2	ISSN 2229-5518	Online

18.	Fatigue Numerical Analysis for Connecting Rod	IJERA	International Journal Of Engineering Research and Applications	Dec - 2012	Volume 2, Issue 6	ISSN 2248-9622	Online
19.	Effect of variable load, speed and Acceleration of Crank Shaft on Depth of wear of Lining Thickness of Bush Bearing	IJEAD	International Journal Of Engineering and advanced technology	Oct - 2012	Volume 2, Issue 1	ISSN 2249-8958	Online
20.	Effect of Variable Load, Speed and Viscosity of Lubricating Oil on Depth of Wear of Lining Thickness of Crank Shaft Bush Bearing	IJERT	International Journal Of Engineering Research and technology	Oct - 2012	Volume 1, Issue 8	ISSN 2278-0181	Online
21.	Improvement in yield strength of deformed steel bar by Quenching using Taguchi Method	IOSRJMCE	IOSR Journal Of Mechanical and civil Engineering	Oct - 2012	Volume 2, Issue 2	ISSN 2278-1684	Online
22.	FEA Analysis of Geometric Parameters of Connecting Rod Big End	IJEST	International Journal of Indian Science and Technology	April 2012	Volume -4 Issue- 4	ISSN 0975-5462	Online
23.	Structural vibration (Dynamic) Analysis of the Disc Brake of Maruti-800 using F.E.A	GJERT	Global Journal Of Engineering Research and technology	Feb -2012	Volume 2, No 2	ISSN 2249-3107	Online

24.	Predicting effect of pressure, shaft velocity and surface finish depth of wear of lining thickness of engine bushing by experimentation	IJSAT	Indian Journal of Science and Technology	April - 2011	Volume 4, No 4	ISSN 0974-6846	Online
25.	Predicting Effect of Varying Load , Velocity and Number of Cycles on Depth of Wear of Cu-Pb <sub>24</sub> Sn <sub>4</sub> Metal Lined Bush by Endurance Test	IJMERE	International Journal Of Mechanical Engineering Research and Development	April - 2011	Volume 1, No 1	ISSN 2248-9347	Online

## **2. Publications in International Conferences and National Conferences**

<b>S. N.</b>	<b>Title of Paper</b>	<b>Conference</b>	<b>Year</b>	<b>Organizer</b>
01	“Recent Development in advanced Material Compacted graphite Iron”	National Level Conference	23-25 March 2002	Department of Comp Science Saurashtra University Rajkot
02	“Electromagnetic suspension system of Vehicle”	National Level Conference	23-24 January 2006	Department of Electronics Engg, Govt college of Engg Auragabad
03	“ Energy Dissipation in Sliding Contact Bearing at high Temperature”	“International Technical Symposium” Techno millennium 2006	September 15-17, 2006	M I T College of Engineering, Aurangabad.
04	“Energy Dissipation in Rolling Contact Bearing”	“International Technical Symposium” Techno millennium 2006	September 15-17, 2006	M I T College of Engineering, Aurangabad.
05	“Concurrent Engineering”	<u>International Conference</u> on Advances in Manufacturing and Technology Management	18-20 January 2007	Parshvanath College of Engineering, Thane & University of Mumbai.
06	“Mechanical Behaviour of Optical Glass fiber Under Zero Stress Aging”	National Conference on Nascent Technology in Engineering Field	29 <sup>th</sup> February and 1 <sup>st</sup> March 2008	FR. C. RODRIGUES INSTITUTE OF TECHNOLOGY, Vashi, Navi Mumbai. 400 703
07	“Residual stresses in Engine Bearing and its Evaluation”	National Conference on “Emerging Trends in Mechanical Engineering”	5 <sup>th</sup> - 6 <sup>th</sup> March 2009	MIT College of Engineering Aurangabad
08	Power Plant Using New Generation Gas Engine”	National Conference on Mechanical Engineering”	13 & 14 November 2009	M.S. Ramaiah Institute of Technology ( Autonomous Institute(Affiliated to VTU, Belgaum) Vidya Soudha, MSR Nagar, Bangalore -560 054



09	Advanced Electro Magnetic Suspension Systems of Vehicle	“International Conference on Energy Optimization and Control” (ICEOC-2010)	December 28-30, 2010	Government College of Engineering, Aurangabad.
10	“Analysis of Influence of EDM Parameters on MRR and TWR of Tungsten Carbide”	National Conference on Mechanical Engineering (ECLAT Invasion-11)	14-16 March , 2011	K.K. WAGH INSTITUTE OF ENGINEERING EDUCATION AND RESEARCH, Panchawati- Nashik-422 003
11	“Analysis of Effect of Surface Quality MRR & EW of Tungsten Carbide in EDM”	National Conference on Mechanical Engineering (Mech- O- Ustav 2011)	11-13 March 2011	Marathwada Institute of Technology, Aurangabad.
12	Trigonometric shear deformation theory for thick plate analysis	International Conference on Recent trends in engineering & technology. ICRTET	2013	
13	Factors Affecting on Residual Stresses and Springback in Sheet Metal Bending	3rd International Conference on Electrical, Electronics, Engineering Trends, Communication, Optimization and Sciences EEECOS 2016	1 <sup>st</sup> -2 <sup>nd</sup> June 2016	SASI Institute of Technology & Engineering, Tadepalligudem, (A.P.), India.
14	A Review on Optimization of Machining Parameters in Turning	3rd International Conference on Electrical, Electronics, Engineering Trends, Communication, Optimization and Sciences EEECOS 2016	1 <sup>st</sup> -2 <sup>nd</sup> June 2016	SASI Institute of Technology & Engineering, Tadepalligudem, (A.P.), India.
15	Experimental Analysis of Process Parameters Affecting on Residual Stress in V-Bending Process for Deep	International Conference on Advanced and Agile	06-07 Oct.2016. SGGS	Institute of Engineering and Technology, Nanded

	Draw Steel IS 1079 Using XRD, FEA and Taguchi Technique	Manufacturing and Agile Software Developmen,		
16	Failure Mode Effect Analysis of Cutting Operation of Needle for Roller Bearing	International Conference on Advanced and Agile Manufacturing and Agile Software Development	06-07 Oct.2016. SGGS	Institute of Engineering and Technology, Nanded

## B) Professional Training Program and Workshops

S.N	Title of Training	Institute/ Organization	Duration	Week/Days	Remark
01	STTP on “ <i>Application of Finite Element Method in Manufacturing</i> ”	IIT Guwahati.	6- 20 February 2004	One Week	QIP
02	Workshop on “ <i>Reliability Engineering</i> ”	JNEC Aurangabad (M.S.)	01 – 03 Oct. 2004	Three Days	CMIA
03	STTP “ <i>Mechatronics</i> ”	VNIT Nagpur 440 011	3 <sup>rd</sup> to 14 <sup>th</sup> January 2005	Two Week	AICTE Sponsored
04	“ <i>Faculty Development Programme</i> ” <i>Managerial Skills</i> ” Under TEQIP	Government College of Engineering, Aurangabad- (M.S.)  Under TEQIP	20 to 21 <sup>st</sup> Aug 2005	Two days	TEQIP
05	Two Week STTP on “ <i>Mechatronics</i> ”	MSBTE & Govt. Polytechnic. Pune	21 <sup>st</sup> Nov. to 2 <sup>nd</sup> Dec. 2005	Two Week	DTE Approved
06	<i>Faculty Development Programme under DTE-TEQIP (SPFU)</i>	Sinhgad Inst. Of Technology Pune under DTE-TEQIP (SPFU)	20-22 January 2006	Three Days	DTE- TEQIP(SP FU)
07	Two Week STTP on “ <i>Engineering Application of Finite Element Analysis Using Ansys</i> ”	JNTU College of Engineering, Anantapur – 515002 (A.P.)	27 Feb to 11 March 2006	Two Week	AICTE Sponsored

08	One Day Training on “ <b>Methods for Increasing Teaching Effectiveness</b> ”	Under TEQIP Rowan University US in association with SPFU at COEP	17 March 2006	One Day	TEQIP
09	Staff Development Programme <b>Under TEQIP “CYBER LAW”</b>	VNIT Nagpur 440 011	14 To 16 May 2006	Three Days	TEQIP
10	International Conference_on <b>“Advances in Manufacturing and Technology Management”</b>	Parshvanath College of Engineering, Thane	18-20 January 2007	Three days	University of Mumbai
11	One Week STTP on “ <b>Bearing Technology and Maintenance</b> ”	IIT, ROORKEE, Continuing Education Centre	December 3 <sup>rd</sup> to 6 <sup>th</sup> , 2008	One Week	IITR, Continuin g Edu. Centre
12	Staff Development Program on <b>“Failure Diagnosis and Prevention”</b>	Department of Metallurgical and Material Science, VNIT Nagpur	30 <sup>th</sup> November to 11 <sup>th</sup> December 2009	Two Week	MHRD/ AICTE Sponsored
13	Seminar On “ <b>Tool Steel</b> ”	Indo German Tool Room, Aurangabad (M.S.)	23 <sup>rd</sup> March 2010	One Day	MSME
14	ISTE self sponsored STTP on <b>“Engineering Optimization”, - ‘EO-2010’</b>	Government College of Engineering, Aurangabad- (M.S.) 431005	28 <sup>th</sup> June to 9 <sup>th</sup> July 2010	Two Week	ISTE
15	ISTE self sponsored STTP on <b>“Generic Algorithm and Neuro Fuzzy Application in Engineering”, ‘GANEUF AE- 2010’</b>	Government College of Engineering, Aurangabad- (M.S.) 431005	29 <sup>th</sup> November to 10 <sup>th</sup> December 2010	Two Week	ISTE

15	International Conference <i>on Energy Optimization &amp; Control (ICEOC-2010)</i>	Government College of Engineering, Aurangabad-(M.S.) 431005	December 28-30, 2010	Three Days	TEQIP
16	ISTE self sponsored STTP on <i>“Pedagogy”</i> Under TEQIP	Government College of Engineering, Aurangabad-(M.S.) 431005	16 <sup>th</sup> to 21 <sup>st</sup> May 2011	One Week	DTE
17	Short Term Course on <i>“Advanced Engine Combustion and Diagnostics”</i>	IIT KANPUR	23 to 28 June 2011	One Week	QIP- IITK
18	ISTE STTP on <i>“Skill Matrix Enhancement and Effective Teaching Learning for Quality Technical Education” (SMEETL-2011)</i>	Government College of Engineering, Aurangabad-(M.S.) 431005	28 <sup>th</sup> November to 9 <sup>th</sup> December 2011	Two Week	ISTE
19	ISTE self sponsored STTP on <i>“Engineering Optimization Techniques and its Applications in Research” (EOTAR- 2012)</i>	Government College of Engineering, Aurangabad-431005	02 <sup>nd</sup> to 12 <sup>th</sup> January 2012	Two Week	ISTE
20	Training on <i>“ReliaSoft’s Reliability Engineering Education”</i>	Rlia soft India Chennai in association with G.P. Aurangabad-(M.S.) 431005	5 <sup>th</sup> -9 <sup>th</sup> , March 2012	One Week	-
21	One Week QIP Course on <i>“Manufacturing Excellence Through Quality Assurance”</i>	<b>IIT, ROORKEE,</b> (UTTARAKHAN DA) Quality improvement Programme Centre	9 <sup>th</sup> to 13 <sup>th</sup> July 2012	One Week	QIP- IITR
	One Week Faculty Development Programme under TEQIP on	SINGHAD COLLEGE OF	8 <sup>th</sup> to 12 <sup>th</sup> October	One Week	TEQIP

22	<b>“AUTOMOTIVE EMISSION AND CONTROL TECHNOLOGY” (AECT-2012)</b>	ENGINEERING, Pune, <i>Under TEQIP- II</i>	2012		
23	One Week STTP Under <b>TEQIP Phase- II</b> on <b>“Genetic Algorithm and Neuro Fuzzy Applications in Engineering”</b>	Government College of Engineering, Aurangabad- (M.S.) 431005	17 <sup>th</sup> to 21 <sup>st</sup> December 2012	One Week	TEQIP
24	<b>AICTE</b> STTP on <b>“Product Design and Development”</b>	<b>Centre for Continuing Education IIT Madras</b>	21-26 January 2013	One Week	AICTE Sponsored
25	MHRD’s National Mission for <b>“Teachers Management Capacity Enhancement Programme”</b>	THE INDIAN INSTITUTE OF MANAGEMNT INDORE (M.P.)	April 29 to May 08, 2013	Two Week	MHRD
26	<b>Under TEQIP Phase- II</b> STTP on <b>“Network Security”</b>	Government College of Engineering, Aurangabad- (M.S.) 431005	7 <sup>th</sup> to 11 <sup>th</sup> October 2013	One Week	TEQIP- EP
27	Participation as in “28 <sup>th</sup> <b>INDIAIN ENGINEERING CONGRESS</b> “	The INSTITUTION OF ENGINEERS (Tamilnadu State)	20 <sup>th</sup> -22 <sup>nd</sup> Dec 2013	Three Days	IE (India)
28	Workshop on <b>“Outcome Based Accreditation”</b>	GCE, Aurangabad in association with National Board of Accreditation New Delhi	7 <sup>th</sup> June (phase-I) 14 <sup>th</sup> to 16 <sup>th</sup> June 2014 (Phase- II)	Three Days	GCEA and NBA

29	Workshop on “ <b><i>NBA Preparation</i></b> ”	GCE, Aurangabad in Association with Engineering Staff College of India	20 <sup>th</sup> to 21 <sup>st</sup> Dec 2014	Two Days	GECA
30	Three Days Proficiency Improvement Programme on “ <b><i>Automotive Engineering and Homologation</i></b> ”	ARAI and Marathwada Auto Cluster, Aurangabad	27 <sup>th</sup> to 29 <sup>th</sup> April 2015	Three Days	ARAI
31	AICTE Summer School on “ <b><i>Computer aided Product Design</i></b> ”	SSN College of Engineering, Chennai (T.N.)	15 <sup>th</sup> to 27 <sup>th</sup> June 2015	Two Week	AICTE
32	Workshop on under TEQIP- II “ <b><i>Computer Aided Product Design and Development (CAPDD-2015)</i></b> ”	Government College of Engineering, Aurangabad- (M.S.) 431005	13 <sup>th</sup> to 15 <sup>th</sup> Oct. 2015	Three Days	TEQIP-II
33	STTP under TEQIP- II on “ <b><i>Pedagogy to Synergogy</i></b> ”	Government College of Engineering, Aurangabad- (M.S.) 431005	7 <sup>th</sup> Dec. to 11 <sup>th</sup> Dec 2015	One Week	TEQIP-II
34	Short Term Training Programme on “ <b><i>Computations and Optimizations in Engineering</i></b> ”	NITTR Kolkata 700 106	28 <sup>th</sup> Dec 2015 to 08 <sup>th</sup> Jan 2016	Two Week	MHRD
35	Short Term Training Programme on “ <b><i>Computations and Optimizations with MATLAB</i></b> ”	NITTR Kolkata 700 106	26 <sup>th</sup> Dec 2016 to 06 <sup>th</sup> Jan 2017	Two Week	MHRD

**C) Projects Supervised at P.G. level :**

<b>S.N</b>	<b>Title of Project</b>	<b>Name of Candidate</b>	<b>Associate Industry</b>	<b>Year</b>
01	<i>Failure Analysis of Connecting Rods of Heavy Duty Engines</i>	Nehte D.V.	Dr. S.B. Chikalthankar	July 2005
02	<i>Analysis of Jump Phenomena of Cam.</i>	Kulkarni S. A.	Dr. S.B. Chikalthankar	May 2006
03	<i>Mechanical Behavior Of Zero Stress Aged Optical Glass Fiber Under Tensile Test</i>	Mrs. Surbhi Bhan	Dr. S.B. Chikalthankar	Dec 2006
04	<i>Analysis of various performance parameter of electrical discharge Machining”</i>	Pawar R. S.	Dr. S.B. Chikalthankar	July 2007
05	<i>Investigating the effect of deep cryogenic treatment on residual stresses in D2 steel using X- Ray detracton Method</i>	Lomte S. V.	Dr. S.B. Chikalthankar	Dec 2007
06	<i>Effect Of Surface Finish On Wear Of Lining Thickness Of Piaggio Gl400 Rickshaw Crankshaft Bush</i>	Bondarwad S.S.	Dr. S.B. Chikalthankar	Dec 2010
07	<i>Effect Of Load ,Velocity And Number Of Cycles On Wear Of Crankshaft Journal Bearing</i>	Phalak M.K.	Dr. S.B. Chikalthankar	Aug 2011
08	<i>Effect Of Temperature On wear Of Lining Thickness Of Piaggio GL400 Crankshaft Bush</i>	J.M. Dighe	Dr. S.B. Chikalthankar	Oct 2011
09	<i>An Experimental Investigation Influence of Machining Parameters on MRR Of Electric Discharge Machining of WPS Tool Steels</i>	maniyar	Dr. S.B. Chikalthankar	May 2012
10	<i>Improvement In Yield Stength Of Deformed Steel Bar By Quenching Using Taguchi Method</i>	Lakal M.S.	Dr. S.B. Chikalthankar	July 2012
11	<i>Optimization Of Crankshaft Bearing Of Piaggio GL400 Engine</i>	Nikam R.P.	Dr. S.B. Chikalthankar	Dec 2012
12	<i>Vibration Analysis Of Disc Brake Of Maruti 800 Using F.E.A.</i>	Gawande R.J.	Dr. S.B. Chikalthankar	Feb 2013
13	<i>Effect Of Variable Load ,Speed And Oil Viscosity Of Crank Shaft On Depth Of Wear Of Lining Thickness Of Bush Bearing</i>	Mundhe	Dr. S.B. Chikalthankar	Jun 2013
14	<i>Effect Of Variable Load ,Speed And Acceleration Of Crank Shaft On Depth Of Wear Of Lining Thickness Of Bush Bearing</i>	V.G.kokre	Dr. S.B. Chikalthankar	June 2013
15	<i>Influence of Machining Parameters on Electric Discharge Machining of WPS Tool</i>	Seema Borde	Dr. S.B. Chikalthankar	Aug 2013



	<i>Steels – an Experimental Investigation</i>			
16	<i>Predicting Effect of Flow of Lubricant, Pressure, Shaft Velocity and Surface Finish on Depth of Wear of Lining Thickness of Engine Bushing by Experimentation</i>	Shrinivas Chinchkhedkar	Dr. S.B. Chikalthankar	Aug 2015
17	<i>Experimental Investigation of Plain Journal Bearing Wear and its Failure</i>	Pankaj jawle	Dr. S.B. Chikalthankar	Aug 2015
18	<i>Analysis Approach for Stress Analysis of Crankshaft under Dynamic Loading</i>	Kaundal Sundra Kumar	Dr. S.B. Chikalthankar	2015
19	<i>Effect of Various Geometric Parameters on Life of Connecting Rod</i>	Surendra Baratam	Dr. S.B. Chikalthankar	Sept 2015
20	<i>Investigation And Optimization Of Various Cutting Parameters Affecting The Effectiveness Of Turning Parameter Of Die Tool Material</i>	P. Mane	Dr. S.B. Chikalthankar	In Progress
21	<i>Effect Of Various Parameter On Residual Stress In Rolling Of Steel</i>	Sahane	Dr. S.B. Chikalthankar	In Progress
22	<i>Effect Of Various Parameter On Wear Characteristic On Composite Material</i>	Veer	Dr. S.B. Chikalthankar	In Progress
23	<i>Fatigue analysis of crankshaft using experimental method and FEA</i>	Khadse	Dr. S.B. Chikalthankar	<b>In Progress</b>
24	<i>The Study of Frictional and Wear Characteristics of Two Types of Non-Asbestos Brake Pad Using Link Chase Frictional Material Testing Machine</i>	Sandip Thengade	Dr. S.B. Chikalthankar	2015
25	<i>Investigation And Optimization Of Various Cutting Parameters Affecting The Effectiveness Of Turning Parameter Of OHNS Tool Steel</i>	Kakde	Dr. S.B. Chikalthankar	<b>In Progress</b>
26	<i>Effect Of Silicon Carbide Content On Tribological Properties Of ALuminium Zinc Alloy Composite</i>	Sonawane Durgesh	Dr. S.B. Chikalthankar	<b>In Progress</b>

27	<i>Experimental Analysis of Process Parameters Affecting on Springback in V-Bending Process for Deep Draw Steel Using FEA and Taguchi Technique</i>	Gopal Belurkar	Dr. S.B. Chikalthankar	Sept 2015
28	<b>Process Failure Mode Effect Analysis of Cutting Operation of Needle for Roller Bearing</b>	Gajanan Sawadadkar	Dr. S.B. Chikalthankar	Aug 2015
29	<b>Effect of Silicon Carbide Content on Tribological Properties of Aluminium Zinc Alloy Composite at Elevated Temperature</b>	Dhananjay Narmala	Dr. S.B. Chikalthankar	2015
30	<b>Experimental Analysis of Process Parameters Affecting on Residual Stress in V-Bending Process for Deep Draw Steel Using XRD, FEA and Taguchi Technique.</b>	Naikwade Sakib	Dr. S.B. Chikalthankar	2015
31	<b>Cost Based Process Failure Modes and Effect Analysis</b>	Govind Dhage	Dr. S.B. Chikalthankar	July 2016

#### **D) Organizer and Convener of Conferences and Training Programs**

1. **Organizer and Convener** of “National Level Technical Symposium” “MECH FEST 05” at Government College of Engineering, Aurangabad, April 2-5, 2007
2. **Organizer and Co-ordinator** of “National Level Technical Symposium” “MECH FEST 07” at Government College of Engineering, Aurangabad, April 2-3, 2005.
3. **Organizer** of “Electrical Motor Rewinding” ‘Three Week’ Training program for unemployed students as Services to Community and Economy under TEQIP from 26<sup>th</sup> March to 14<sup>th</sup> April 2010 at Government College of Engineering, Aurangabad.
4. **Organizer** of “Personality Development Programme” for Third Year and Final Year Engineering Students, 25 Nov 2010 to 30 Nov. 2010
5. **Organizer and Co-Ordinator** of ISTE self sponsor **Short Term Training Program** on “Engineering Optimization Techniques and its Applications in Research”, January 02-12, 2012.
6. **Organized three days “Workshop”** on, “Computer Aided Product Design and Development(CAPDD-2015)” at Government College of Engineering Aurangabad, From 13 to 15th Oct 2015, to Promote Industry Institute Interaction and Research Activity, (In Association with MAN DIESEL, Aurangabad, VERROC Research Centre PUNE, Greaves Research Centre, Aurangabad, CIPET Aurangabad, IGTR Aurangabad)

- E) **Organizer of STTP/Conference/ Entrepreneurship Development Camp/ Workshop in “Association with Industry, Industrial Research Centers, IIT, Central Institute and MSME” for students and Faculties**
1. Organizer of **“Mech Fest 05 – Conference”** and Multy-Event activity for Engineering students (2 to 3 April 2005) ***In association with Rucha Industry and Grind Master, Aurangabad.***
  2. Organizer of **“Mech Fest 07 – Conference”** and Multy-Event activity for Engineering students (4 to 5 April 2007) in ***Association with Endurance Industry and Aurangabad Electricals.***
  3. Organized **Three week Training Program** for ***Economically Backward Class Students of Society*** on **“Electrical Motor Rewinding”** for Submersible Pumps maintenance ***under TEQIP Services to Community***
  4. Organizer of Two Week ***interdisciplinary STTP*** on **“Engineering Optimization Techniques and its Application(EATOR-2012)”** (from 02 Jan to 12 Jan 2012) ***to Promote Research activity of faculties (In association with COEP, SGGs Nanded, GCE, Karad, GCE Chandrapur)***
  5. Organized a **“illuminate-Entrepreneurship Workshop”** for students in Association with ***ECell- IIT Bombay*** for all Institute all Courses Students (22 Octo 2013)
  6. Organized **“Entrepreneurship Awareness Camp”** in Association with ***Central Institute of Plastic Technology, Aurangabad and MSME, Aurangabad***
  7. Organized a **“illuminate-Entrepreneurship Workshop”** for students in Association with ***ECell- IIT Bombay*** for all Institute & all Courses Students (28 Octo 2014)
  8. Organized three days **“Workshop”** on, **“Computer Aided Product Design and Development(CAPDD-2015)”** ***to Promote Industry Institute Interaction and Research Activity, (In Association with MAN DIESEL, Aurangabad, VERROC Research Centre PUNE, Greaves Research Centre, Aurangabad, CIPET Aurangabad, IGTR Aurangabad)***

**F) Contribution at University/DTE Educational and Administrative Committee**

1. Worked as “**Vigilance Squad Member**” of Dr. B.A.M. University for Engineering Exam of May/June Exam for region Aurangabad, Jalna, Paithan (EX/Co-Ord/Squad/ 2005 Dated 13/05/2005)
2. Worked as “**Chairman**” of **Board of Studies**” in “Mechanical Engineering of Dr. B.A.M. University for Engineering and Technology (BAMU/UNISEC/ELN/BOS/2006/36386-533)
3. Worked as “**Design Expert of R&D Committee**” of “**Govt. of India Ministry of Science and Technology**” for Research Centre of **NRB Bearing Jalna** (TU/IV-1-9280/2006)
4. Worked as “**Chairman**” of **University Affiliation Committee**” of Dr. B.A.M. University for N. H. College of Engineering Parali Vaijinath, ( Edu/AFFI/M.S./2007-8/3504-07, Dated 21/03/2007)
5. Worked as “**Chairman**”, **Vigilance Squad**” of Dr. B.A.M. University for Engineering, Law & Management Exam May/June - 2007 for region of Aurangabad, Jalna & Paithan (EX/Co-Ord/Squad/Law/Engg & Man/ 2007 Dated 27/04/2007)
6. Worked as “**BOS Member**” for SE. Mechanical Syllabus Committee of Dr. B.A.M. University
7. Worked as “**Member of Institute Inspection Committee**” of **DTE** for Khurana Sawant Institute of Engg. And Technology, Hingoli (ROT/ EDU/2008/5542, dated 03/12/2008)
8. Worked as “**Member of Inspection and Scrutiny Committee**” of **DTE** for Deogiri Inst. Of Engineering and Management Studies, Aurangabad (ROT/ EDU/New Institute/ Inspection/09/561, dated 05/02/2009)
9. Worked as “**Member of Inspection Committee**” for tenders at **DTE** for PC Based Fatigue testing Machine (11/DTE/Demo/T-84/09-10/1369, dated 17/02/2010)
10. Worked as “**Member of University Research Centre Committee**” of Dr. B.A.M. University for Mechanical Engineering Research Centre of Maharashtra Instt. Of Technology Aurangabad (Edu/AFFI/PGT./2011-12/35760-63, Dated 17/02./2012)
11. Worked as “**Member of University Research Centre Committee**” of Dr. B.A.M. University for Electronics & Telecommunication Engg, Mechanical Engineering & Comp. Science Engineering Research Centre of Marathwada Instt. Of Technology Aurangabad (Edu/AFFI/ABL./2012-13/21629-32, Dated 04/08/2012)
12. Worked as “**DTE Nominee**” for Interviews at High Tech Institute of Technology (ROA/Estt/-2/2012/7563, Dated 07/12/2012)
13. Worked as “Subject Expert Committee Member” for preparation of Specification of CNC at DTE (DTE/Meeting/ 2013/1149, Dated 07/08/2013)
14. Worked as “**Chairman, of University Affiliation Committee**” of Dr. B.A.M. University for Mechanical Engineering & Food Technology Centre of Marathwada Instt. Of Technology Aurangabad ( Edu/AFFI/ABL./2013-14/37166-69, Dated 10/10/2013)
15. Worked as “**Member**” of **University Affiliation Committee**” of Dr. B.A.M. University for first affiliation of C.S.M.S. College of Engineering, Aurangabad ( Edu/AFFI/M.S./2012-13/8298-302, Dated 22/05/2013)
16. Worked as “**Observer of AICTE CMAT**” exam for AICTE from year 2013, 2014, 2015 (CMAT-FEB, 2013)
17. Worked as “**Controller of Examination of MSCIT of MSBTE** (In year 2002, 2003)

**G) Expert Lectures/Talks at various Institutes**

1. Expert Lecture talk on “Rolling Contact Bearing Design and Advancement” at Hi-Tech institute of Technology, Aurangabad (HIT/2012/479, Dated 21/09/2012)
2. Expert Lecture on “DOE Techniques use for Industrial Research” at ISTE Sponsored STTP Engineering Optimization Techniques and Its Applications in Research at GEC, Aurangabad (EOTOR-10/01/ 2012)
3. Expert Lecture on “Rolling Contact Bearing Design and Mounting” at Hi- Tech institute of Technology, Aurangabad (HIT/2013/819, Dated 20/03/2013)
4. Expert Lecture on “Sliding Contact Bearing Design and it Application in Practice” at Deogiri Institute of Engineering and Management Studies, Aurangabad (DIEMS/1013-2014/5018, Dated 26/08/2014)
5. Expert Lecture talk on “SAE India Events and Its Application in Automobile Design” at Shreeyash College of Engineering and Technology, Aurangabad. (SYCET/ADMIN/2015/534)
6. Expert Lecture on “Product design for Environment” at TEQIP Workshop on “Computer Aided Product Design and Development (CAPDD-15)” at GCE, Aurangabad (GECA/CAPDD/EXPL/14, Dated 6/10/2015)
7. Expert Lecture on “Design of Experiments, by Using Taguchi Method” at MIT College of Engineering, Aurangabad

**H) Industry Institute Interaction/Collaboration with Industrial Project/ Participation in Industrial Project**

1. Collaboration with “Central Institute of Plastics Engineering and Technology, Chikalthana for “Organizing Entrepreneurship Awareness Camp” free camp for student under Govt of India, Manpower Development Project
2. Collaboration for Project for product development on “Spring Back Effect of Sheet Metal” in collaboration with “Sidharth Pressing (I) P. Ltd. Waluj, Aurangabad.
3. Project With “Rak Constro” Pune for renovation and assembly of ATV Vehicle of SAE BAJA
4. Collaboration for Project for product development on “Failure Mode effect analysis of Needle of Bearings” with NRB, Bearing, Jalna MIDC, Jalna.
5. Participated in “Quality Circle Forum of India” Aurangabad Chapter, Convention on Quality Circle- 27/08/2014 as “**Judge of Convention**” for Why- Why Analysis of Industries
6. Participated in “Quality Circle Forum of India” Aurangabad Chapter, Convention on Quality Circle- 25/04/215 as “**Judge of Convention**” for Why- Why Analysis of Industries

**I) Subject Expert of University/DTE/Institute for “Interviews of Teaching Faculty”**

1. Worked as “***Subject expert of Mechanical Engineering Faculty Interview***” at “Aditya Bahu –Uddeshiya Sanstha, Beed, Appointed by **B.A.M. University** ( ABS/2006/257-11, Dated 24/04/2006)
2. Worked as “***Subject expert of Mechanical Engineering Faculty Interview Committee***” at “P. E. S. College of Engineering, Aurangabad – for Polytechnic Faculty ( PESCOE/office/2008-9/792, dated 20/12/2008)
3. Worked as “***Subject expert of Mechanical Engineering Faculty Interview Committee***” at “Deogiri Institute of Engineering and Management Studies, Aurangabad – for Engineering Faculty ( DIETMSA/2010/2011/26, Dated 19/06/2010)
4. Worked as “***Subject expert of Mechanical Engineering Faculty Interview Committee***” at “Anuradha Engineering College, Chikhali, Dist Buldana – Nominated by Amrawati University ( ACE/ 2510 Dated 15/05/2012)
5. Worked as “***Subject expert of Mechanical Engineering Faculty Interview Committee***” at Jawaharlal Nehru Engineering College, Aurangabad – Nominated by Management of JNEC ( JNEC/ Walk in Interview/2012 Dated 6/06/2012)
6. Worked as “***Subject expert by University Selection Committee for Faculty Interview***” at Jawaharlal Nehru Engineering College, Aurangabad – Nominated by Dr. B.A.M. University (JNEC/UGC/2012/33019, Dated 22 Dec 2012)
7. Worked as “***Subject expert Committee for Faculty Interview***” at SGGS Institute of Engineering and Technology, Nanded – Nominated by Director SSSSIET Nanded, (SGGSIE&T/EST/2013/4., Dated 04/01/2013)
8. Worked as “***Subject expert Committee for Faculty Walk in Interview***” at SGGS Institute of Engineering and Technology, Nanded – Nominated by Director SSSSIET Nanded, (SGGSIE&T/EST/2013/2665., Dated 24/06/2013)

**J) Contribution in Engineering Course Development and Syllabus Reviewing**

1. Worked as Subject Expert for “Theory of Machine” and Machine Design” Subject of Diploma in Engineering
2. Question Bank Development ( MSBTE Mumbai office order : MSBTE Mumbai/ D50/QB/2004/7444 Dated18/4/2002)
3. Worked Syllabus Revision Committee Member of Dr. B.A.M. University for Engineering and Technology (UG/May 2000/8973, Dated 23/5/2000)
4. Worked as a ‘Chairman’ of Syllabus Development Committee” of Dr. B.A.M. University for Engineering and Technology ( UG/July 2006/3839-612, Dated 28/07/2006)
5. Work for Question Bank Development for Craft Instructor for “Directorate of ITI (11/ESST-3/ 2013/004., Dated 24/11/2014)

**K) Contribution as Chairman of Conference/Chairman of Technical Paper presentation/Judge for Project Competitions/ Mini project**

1. Worked as “Jury Member” State Level Technical Paper Presentation Competition “Techno Arena- 2006 at Government College of Engineering, Jalgaon, on 25<sup>th</sup> Feb 2006 (GCOEJ/Technoarena/2006/ 389, dated 17/02/2006)
2. Worked as “Judge” State Level Technical Project Competition “Project RAZZMATAZZ” at JNEC, Aurangabad, on 02 March 2006, (JNEC/ RAZZMATAZZ /Office Corr/ 2564, dated 02 March 2006)
3. Worked as “Technical Judge” National Level Multi- Event Completion Technical Paper Presentation “TECHTRIX – 2K6” at P.E. S. College of Engineering, Aurangabad (PESCOE/ TECTRIX – 2K6 , Dated 23/03/2006)
4. Worked as “Chairman” Technical Paper Presentation “MECH–TRICKS-2K11” at P.E. S. College of Engineering, Aurangabad (PESCOE/official/521, Dated: 02/11/2011)
5. Worked as “Judge” Technical Festival “Genious 2013” at Anuradha Engineering College, Chikhali, Buldhana. (AEC/ADM/Genious 2013 / 2025, Dated: 27/02/2013)
6. Worked as “Chairman” Technical Session “International Conference on Current Trends and Challenges in Management Engineering, Computer Application and Technology (ICCTCMECAT-2012)” at Deogiri College, Aurangabad

**L) Contribution as External Examiner in Examination of other Universities/Institutes at P.G. Level**

1. Worked as “External examiner for M.tech Mechanical CAD/CAM”, at S.G.G.S. institute of Engineering & Technology Nanded. (SGGS/MTech Exam/Prod/1425, Dated: 29/06/2006)
2. Worked as “External examiner for Viva-voce on the dissertation/project report of M.E. (Mechanical Engg)”, at Bharti Vidyapeeth University, Pune. (BVU/Exam/4431/2006-07, Dated: 21/02/2007)
3. Worked as “Paper setter/examiner of Design & Synthesis of M.E. (Mech.) Machine Design Nov/Dec-2008”, at North Maharashtra University, Jalgaon. (NMU/7F/TU/By hand/2008)
4. Worked as “External Examiner for examining M.E. Dissertation” at University of Pune. (XCE/790, Dated: 05/09/2013)



**M) Contribution as an In-charge at various Institute Level Activities**

1. Worked as “Member of Internal Vigilance Squad” at Government College of Engineering, Aurangabad. (GECA/CoE/2015-16/1348/ Dated: 07/11/2015)
2. Worked as “Subject Expert Committee for Faculty Interview” at Government College of Engineering, Aurangabad.(GECA/Estt-1/2015/2497 Dated 22/07/2015)
3. Worked as “Member of Extension of Approval Committee appointed by AICTE” at Government College of Engineering, Aurangabad. (GECA/Estt-1/2015/327/ Dated: 31/01/2015)
4. Worked as “Head of Department (Mechanical Engineering)” at Government College of Engineering, Aurangabad. (GECA/Esst-1/2014/3941/ Dated: 17/12/2014)
5. Worked as “Member of Departmental Research Committee” at Government College of Engineering, Aurangabad. (GECA/MED(DRC)/2014/Dated: 11/09/2014)
6. Working as “Dean, Planning and Administration” at Government College of Engineering, Aurangabad. (GECA/Conf/Esst-1/2014/3225/ Dated: 09/09/2014)
7. Worked as “Member of Paper Setting Committee for Ph D admission 2014” at Government College of Engineering, Aurangabad. (GECA/MED/2014/45/ Dated: 30/08/2014)
8. Worked as “Member of Students Discipline Committee” for the Academic Year 2014-2015 at Government College of Engineering, Aurangabad. (GECA/2014-15/Est-1/2549/ Dated: 13/08/2014)
9. Worked as “In-charge of Annual Extra Curricular Activity Programme (AECAP)-2014” at Government College of Engineering, Aurangabad. (GECA/AECAP/2014/ Dated: 24/02/2014)
10. Worked as “Office In-charge for NBA Accreditation” at Government College of Engineering, Aurangabad. (GECA/MED-NBA Accr/2013/275/ Dated: 25/04/2013)
11. Worked as “Institute Library Committee Member” at Government College of Engineering, Aurangabad. (GECA/Lib/13/ Dated: 05/02/2013)
12. Worked as “Chairman” AICTE Extension of Approval Committee (GECA/Est/2012/4804, Dated: 22/11/2012)
13. Worked as “In-charge of counseling Committee” FE Admin, at Government College of Engineering, Aurangabad. (GECA/MED/3796 Dated: 04/08/2012)
14. Worked as “Member of U.G.C. Extension of Autonomy Committee” for Departmental Representation at Government College of Engineering, Aurangabad. (GECA/Esst.-1/2012/3662/ Dated: 24/07/2012)
15. Worked as “Nodal Officer, TEQIP-II for Institutional Management Capacity Enhancement” at Government College of Engineering, Aurangabad. (CEA/CED/Finance/TEQIP/2012/697/ Dated: 22/02/2012)
16. Worked as “Member of Institute Grade Moderation Committee” for U.G. and P.G. at Government College of Engineering, Aurangabad. (GECA/CoE/2010-11/1131/ Dated: 19/05/2011)
17. Worked as “Member of Students’ council Formation Committee” at Government College of Engineering, Aurangabad. (GECA/STUDENTS’ COUNCIL-08/4139/ Dated: 08/09/2008)

18. Worked as “Member of M.E.(Mechanical Design ) Admission Committee” for PG courses for the academic year 2006-07, at Government College of Engineering, Aurangabad. (GECA/MED/PG/Admissions/2006/780 Dated: 29/06/2006)
19. Worked as “Co-ordinator” for Training Programme TEQIP-I, at Government College of Engineering, Aurangabad. (GECA/TEQIP/IPMU CELL/SEP-2005/3501/ Dated: 16/09/2005)

**N) Contribution in Innovative Project at Asia Level Extra Curricular Activity**

1. Received award of Best Design, Best Innovation and Best Manufacturing for guiding Robot at IIT TECHFEST-2012 (Asia Level Competition)
2. Innovation in Bicycle “Converting Bicycle into Pneumatic Driven Bicycle”, Project at U. G. Level.
3. Innovative Project for Vrudhashram, “Marry Heating System” Project for Food Heating.
4. Innovative Project on Continuous Variable Transmission System for Four Wheeler (Received Dr. Kandlikar Award)
5. Received award of Best Design, for guiding Robot, at IIT Madras TECHFEST-2013 (Asia Level Competition) Date: 18/01/2013
6. Received 1<sup>st</sup> Prize in Robo War Competition for Best Design and soft drawing, for guiding Robot, at BIT’S Pillani Goa TECHFEST-2013 (National Competition) Date: 28/03/2013
7. Initiated and Guided Innovative project of “SAE- BAJA” National Level Activity in 2010 and Successfully Participated as “Team ARYANS” from 2010 to 2016, (Coordinator and Advisor of Team for New Innovation)
8. Initiated and Guided Innovative project of “SAE- Supra” National Level Activity in 2015 and Successfully Participated as “Team ARYANS” from 2015
9. Received “Best Project” Award from “Tata Consultancy Services limited” for the project of 2013

**O) AREAS OF INTEREST**

1. Tribological Design of Thermo-elasto-hydro-dynamic Bearing
2. Thermal Fatigue and Residual Stress in Rolling and Drawing Operation
3. Advanced Process FMEA

**Prof. Dr. S.B.Chikalthankar**  
**Dean**  
**Planning and Administration**  
**Department of Mechanical Engineering**  
**Government College of Engineering, Aurangabad**