

Curriculum Vitae



Dr. Bhushan Tryambak Patil
Professor and Dean(Research
and Development) ,
Fr.Conceicao Rodrigues
College of
Engineering,Fr.Agnel
Ashram,Band
Stand,Bandra(W),
Mumbai-400050
Contact No. : 9820369797
bhushan.patil@frcrce.ac.in
bhushantpatil@gmail.com

Brief Summary: -

Highest Qualification-Ph.D. (Technology) in Production Engineering

Total University Approved Teaching Experience: -24 Years (Out of which 6 Years is at Professor level)

Number of research publications in SCI journals / UGC / AICTE approved list of journals=11

No of Ph D students Guided=2

No of Ongoing Ph D students=6

Number of IPR (Design Patents) =2

Administrative Responsibilities Handled at Institute Level/University Level: -

- i) Dean (Research and Development) at Fr CRCE, Bandra for 5 years
- ii) Chairman of Indian Institution of Industrial Engineering, Mumbai Chapter for more than 3 Years
- iii) Secretary of Indian Institution of Industrial Engineering, Mumbai Chapter for more than 3 Years
- iv) Working as Vice Chancellors Nominee for Board of Studies in Mechanical Engineering by University of Mumbai at Autonomous College-Thakur College of Engineering, Mumbai

Other Credentials: -

- i) Fellow Member of Indian Institution of Industrial Engineering
- ii) Recipient of 'Special Award' from Indian Institution of Industrial Engineering for continuous innovative development of Industrial Engineering in its operations and significant encouragement to the industries in India
- iii) Member of selection committee for selection of candidates for admission to Ph.D. (Technology) program in mechanical engineering at various institutes in Mumbai
- iv) Member of selection committee for faculty recruitment at various institutes in Mumbai
- v) Guest faculty to teach a full course on Operations Planning under Uncertainty for post graduate program at NITIE, Mumbai

Qualifications					
Level	Details	Grade/Div.	Institute/University	Month - Year	Marks (%)
Doctorate	Ph.D.(Technology) in Production Engineering	-	V.J.T.I.,Mumbai (Autonomous Institute Affiliated to Mumbai University)	March-2014	-
Post Graduation	M.E.(Production With Specialization In Manufacturing Engineering)	First Class With Distinction	Fr.C.R.C.E.,Bandra (Mumbai University)	March - 2006	76.81
Graduation	B.E.(Production Engineering)	First Class with Distinction	S.G.G.S.Institute of Engineering & Tecnology,Nanded (Dr.Babasaheb Ambedkar Marathwada University,Aurangabad)	July - 1996	68.13
12th Class	H.S.S.C.	First Class with Distinction	Amaravati Divisional Board	March - 1992	84.00
10th Class	S.S.C	First Class with Distinction	Nagpur Divisional Board	March - 1990	88.57

Experience					
Summary- Total University Approved Teaching Experience: -24 Years (Out of which 6 Years is at Professor level)					
Experience Type	Organization	Designation	Year From - To	Approval Status(University of Mumbai)	Total Experience
Teaching	Lokmanya Tilak College Of Engineering Navi Mumbai	Lecturer	1997-2010	Approved by University of Mumbai	13.0 yrs.
Teaching	Lokmanya Tilak College Of Engineering Navi Mumbai	Assistant Professor	2010-2014	Approved by University of Mumbai	4 Years
Teaching	Fr.Conceicao Rodrigues College of Engineering,Bandra	Assistant Professor	2014-2016	Approved by University of Mumbai	2 yrs
Teaching	Fr.Conceicao Rodrigues College of Engineering,Bandra	Professor	02-05-2016 : Till today	Approved by University of Mumbai	From 02-05-2016 till today

- Approved teacher of University of Mumbai for Ph.D. (Tech) degree in Mechanical Engineering

Guidance to Ph.D. Students: -

- Two Student Completed
- Six Students are pursuing Ph.D.

List of Publications in Journals:-

Total Number of Publications in research publications in SCI journals / UGC / AICTE approved list of journals =11

Details	Indexing
Subramanian, G., Patil, B.T. and Gardas, B.B. (2021), "Evaluation of enablers of cloud technology to boost industry 4.0 adoption in the manufacturing micro, small and medium enterprises", Journal of Modelling in Management, Vol. 16 No. 3, pp. 944-962. https://doi.org/10.1108/JM2-08-2020-0207	SCI/Scopus Indexed/UGC Approved
Joshi, K., & Patil, B.T. (2020). Performance evaluation of various texture analysis techniques for machine vision-based characterization of machined surfaces. International Journal of Computational Vision and Robotics, 10(3), 242-259. DOI: 10.1504/IJCVR.2020.107249	Scopus Indexed/UGC Approved
Joshi K. N., Patil B. T. (2020) Multivariate statistical process monitoring and control of machining process using principal components-based Hotelling T2 charts: a machine vision approach, <i>International Journal of Productivity and Quality Management</i> , (In Press) DOI: 10.1504/IJPQM.2020.10034309	Scopus Indexed/UGC Approved
Joshi K. N., Patil B. T. (2019), Effect of Illumination Systems on Statistical Texture Parameters based Clustering and Discrimination of Machined Surfaces using Machine Vision, Mapan, Journal of Metrology Society of India pp 1-9 (by Springer Publications) DOI https://doi.org/10.1007/s12647-018-0279-z (Scopus Indexed)	SCI/Scopus Indexed/UGC Approved
Joshi K. N., Patil B. T. , A Review of Machine Vision based Evaluation of Surface Roughness using Texture Analysis Techniques, Industrial Engineering Journal, Nov 2018, pp 22-27 (UGC Approved Journal as per UGC-Care List)	UGC Approved Journal as per UGC-Care List)
Deshmukh, S. P., Deshmukh, P. D., Patil, B. T. , & Thampi, G. T. (2019). Exploring the factors to make e-commerce and m-commerce ubiquitous and pervasive to improve national productivity of India. <i>International Journal of Productivity and Quality Management</i> , 28(4), 457-496. DOI : 10.1504/IJPQM.2019.103691	Scopus Indexed/UGC Approved
Bhise, Dipali., Patil, B, T. , and Shaikh, V. A., (2019), Micro lubrication: A way to enhance the machining operation, Industrial Engineering Journal. Vol. 12 No. 4, ISSN: 2581-4915. doi: https://doi.org/10.26488/IEJ.12.4.1169 (UGC Approved Journal as per UGC-Care List)	UGC Approved Journal as per UGC-Care List)

Patil, Bhushan & Subramanian, Geetha. (2020). An Investigation into Factors Influencing System Quality for MSME with Collaborative Manufacturing, Cloud technologies and Industry 4.0. Industrial Engineering Journal. 13. ISSN: 2581-4915 10.26488/IEJ.13.5.1231.	UGC Approved Journal as per UGC-Care List)
Singh S., Deepika, Patil B.T. (2019) Advancements in Design And Fabrication of Conformal Cooling Channels for Improvement in Plastic Injection Molding Process, Industrial Engineering Journal (2019), Volume 12 (5), doi: https://doi.org/10.26488/IEJ.12.5.1171 (UGC Approved Journal as per UGC-Care List)	UGC Approved Journal as per UGC-Care List)
Patil B.T. , Bhandarkar B.M. ,Narkhede B.E.(2013), “Cloud Computing: Emerging Enterprise Resource Planning Solution for Small and Medium Enterprises”, Industrial Engineering Journal,Vol.6, Issue No.6, June 2013, pp 20-23(ISSN 0970-255) (UGC Approved Journal as per UGC-Care List)	UGC Approved Journal as per UGC-Care List)
Narkhede, B. E., Raut, R. D., Patil, B. T. and Mahajan, S. K. (2013), Performance Improvement in Small and Medium-Sized Enterprises Due to Information Systems Implementation. Perf. Improv., 52: 24–32. doi: 10.1002/pfi.21385(Scopus Indexed)	UGC Approved Journal as per UGC-Care List)
Joshi K.N., Patil B.T. , (2016), “Review of Industrial Metrology using Machine Vision.”; International Journal of Emerging Technology and Advanced Engineering, ISSN:2250-2459,Vol.6,No6,pp 125-131	
Deepika Singh Singraur & Bhushan Patil , “Review on Performance Enhancement of Plastic Injection Molding using Conformal Cooling Channels”, International Journal of Engineering Research and General Science, July-August, 2016 ISSN 2091-2730, Volume 4, Issue 4, July-August, 2016 (PP.176-180)	
Narkhede, B.E., Mahajan, S.K., Patil, B.T. and Raut, R.D., 2016. Evaluating Factors Influencing Information Quality in Large Firms. , International Journal of Social, Behavioral, Educational, Economic, Business and Industrial Engineering,Vol.11,No.1 pp 30-37	
Heeranand B. Vhangade , Bhushan T. Patil , Jaladhi Desai , Saurabh Baranwal (2017), “Design for Manufacturing Integration Ontologies and Analysis in Computer Aided Designing,” International Journal of Innovative Research in Science, Engineering and Technology, Vol.6,Issue 6,pp 11773-11779	
Joshi, K. N., Patil, B. T. , & Satao, M. S. (2014). Optimization of Variation in Wall Thickness of a Deep Drawn Cup using Virtual Design of Experiments.; IRACST – Engineering Science and Technology: An International Journal (ESTIJ), ISSN: 2250-3498 Vol.4, No.5, pp 124-128	
Joshi, K. N., Patil, B. T. , & Satao, M. S.(2014), Review of Optimization Aspects for Metal Forming Process IRACST – Engineering Science and Technology: An International Journal (ESTIJ), Vol.4, No. 2,pp71-75	

Doctor Y.N., Patil B.T. ,Darekar A.M. (2015), “Review of Optimization Aspects for Casting Processes.”;International Journal of Science and Research(IJSR), ISSN (On line):2319-7064,Vol.4,No 3,pp 2364-2368	
Darekar A.M.,Venkatesh T.S., Patil B.T. , Doctor Y.N (2015), “Review of Optimization Aspects for Plastic Injection Molding Process.”; IRACST – Engineering Science and Technology: An International Journal (ESTIJ), ISSN: 2250-3498 Vol.5, No.1, pp 197-201.	
Patil B.T. , Narkhede B.E.,Mahajan S.K.,Joshi A.P.(2012), “Performance Evaluation of Enterprise Resource Planning (ERP) Systems in Indian Manufacturing Industries”, IRACST- International Journal of Research in Management & Technology (IJRMT), Vol. 2, No. 1,pp 72-75 (ISSN: 2249-9563)	

Conference Publications/Presentations: -

Sr No	Details	Indexing
1	Joshi K.N., Patil B.T. (2019) A Perspective of Integrated Machine Vision Based-Multivariate Statistical Process Control. In: Vasudevan H., Kottur V., Raina A. (eds) Proceedings of International Conference on Intelligent Manufacturing and Automation. Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-13-2490-1_42 <i>(This paper was presented at International Conference on Intelligent Manufacturing and Automation (ICIMA 2018), 2018, Mumbai, India. This Conference was organised by D J Sanghvi College of Engineering, Vile Parle, Mumbai, Maharashtra, India Date of Conference- 20 and 21 July 2018)</i>	Scopus Indexed
2	Ketaki Joshi, Bhushan Patil (2020),Prediction of Surface Roughness by Machine Vision using Principal Components based Regression Analysis, Procedia Computer Science, Volume 167,2020,Pages 382-391, ISSN 1877-0509, https://doi.org/10.1016/j.procs.2020.03.242	Scopus Indexed
3	Bhise, D.K., Patil, B.T. , Shaikh, V.A., 2021. Air Assisted Atomization Characterization of Biodegradable Fluid Using Microlubrication Technique. MSF 1019, 211–217. https://doi.org/10.4028/www.scientific.net/msf.1019.211 <i>(This paper was presented at Second International Conference on Material Science and Manufacturing Technology 2020(ICMST 2020),Coimbatore, Tamilnadu ,India Date of Conference- 09-04-2020-10-04-2020)</i>	Scopus Indexed
4	Bhise, D. K., Patil, B. T. , Shaikh, V. A., & Deshmukh, S. P. (2020). Investigating the microlubrication flow inside the nozzle using computational fluid dynamics. Materials Today: Proceedings,27, 492-496.	Scopus Indexed

	<p>https://doi.org/10.1016/j.matpr.2019.11.290 <i>(This paper was presented at First International Conference on Recent Advances in Materials and Manufacturing ICRAMM, Sept 2019, Belagavi, India. This Conference was organised by KLE Dr. KLE MS Sheshgiri College of Engineering & Technology Balgaum, Karnataka, India</i> <i>Date of Conference- 13-09-2019-14-09-2019)</i></p>	
5	<p>Singraur, D. S., Patil, B. T., & Shaikh, V. A. (2021). Defect Minimization of an Injection Molded Plastic Component Using Conformal Cooling Channels. <i>Materials Science Forum</i>, 1019, 205–210. https://doi.org/10.4028/www.scientific.net/msf.1019.205</p>	Scopus Indexed
6	<p>Pashte, S., Wagle, K., Agrawal, S., Sudhakar, D. S. S., Patil, B.T., & Singraur, D. S. (2020, June). Simulation and optimization for a plastic component. In <i>IOP Conference Series: Materials Science and Engineering</i> (Vol. 872, No. 1, p. 012072). IOP Publishing. doi:10.1088/1757-899X/872/1/012072</p>	Scopus Indexed
7	<p>Veerabhadrarao, M., Patil, B. T., Shaikh, V. A., & Sudhakar, D. S. S. (2021). Contribution of Factors such as Machining Parameters, MQL Nozzle Orientation (Angle & Distance) and MQL Nano-Fluid Type on Surface Finish of Turned Steel Work-Pieces Using DOE Approach. <i>Materials Science Forum</i>, 1019, 181–193. https://doi.org/10.4028/www.scientific.net/msf.1019.181</p>	Scopus Indexed
8	<p>Prince W Dabreo, Ketaki N Joshi, Bhushan T Patil and Meera B Kokate (2020) Machine vision based interferometry for measurement of flatness error in micro and nano manufacturing. <i>IOP Conf. Series: Materials Science and Engineering</i>, 872 (2020) 012066 https://doi.org/10.1088/1757-899X/872/1/012066</p>	Scopus Indexed
9	<p>Meera B. Kokate, Bhushan T. Patil, and Geetha Subramanian (2020) Machine Learning as a Smart Manufacturing Tool. In: Vasudevan H., Kottur V., Raina A. (eds) <i>Proceedings of International Conference on Intelligent Manufacturing and Automation. Lecture Notes in Mechanical Engineering</i>. Springer, Singapore. https://doi.org/10.1007/978-981-15-4485-9_37</p>	Scopus Indexed
10	<p>G. Subramanian, B. T. Patil and M. Kokate, "Review of Modern Technologies in Manufacturing Sector," 2019 International Conference on Advances in Computing, Communication and Control (ICAC3), Mumbai, India, 2019, pp. 1-6, doi: 10.1109/ICAC347590.2019.9036835.</p>	Scopus Indexed
11	<p>Joshi K., Patil B.T (2020) Evaluation of Surface Roughness by Machine Vision Using Neural Networks Approach. In: Parwani A., Ramkumar P. (eds) <i>Recent Advances in Mechanical Infrastructure. Lecture Notes in Intelligent Transportation and Infrastructure</i>. Springer, Singapore. https://doi.org/10.1007/978-981-32-9971-9_3 <i>(This paper was presented at International Conference on Recent Advances in Mechanical Infrastructure, Ahmedabad, India. This Conference was organised by Institute of Infrastructure, Technology, Research and Management, Ahmedabad, Gujrat, India</i> <i>Date of Conference- 20-21 April 2019)</i></p>	

12	<p>Joshi K. N., Patil B. T.(2018), Recent Developments in Quality Inspection of Spur Gears using Machine Vision Technology, International Conference on Role of Industrial Engineering in Industry 4.0 Paradigm, organized by IIIIE, Bhubaneswar in association with SOA, (ICIEIND– 2018)</p> <p><i>(This paper was presented at International Conference on Manufacturing and Industrial Engineering (ICMIE-2017), Aurangabad, Maharashtra, India. This Conference was organised by MGM's Jawaharlal Nehru Engineering College, Aurangabad, Maharashtra, India in association with IIIIE Aurangabad chapter</i></p> <p><i>Date of Conference- 14-16 September 2017)</i></p>	-
13	<p>Joshi K. N., Patil B. T., (2017), A Review of Machine Vision based Evaluation of Surface Roughness using Texture Analysis Techniques, In International Conference on Manufacturing and Industrial Engineering – 2017, Organized by Indian Institution of Industrial Engineering, (ICMIE-2017)</p> <p><i>(This paper was presented at International Conference on Manufacturing and Industrial Engineering (ICMIE-2017), Aurangabad, Maharashtra, India. This Conference was organised by MGM's Jawaharlal Nehru Engineering College, Aurangabad, Maharashtra, India in association with IIIIE Aurangabad chapter</i></p> <p><i>Date of Conference- 14-16 September 2017)</i></p>	
14	<p>Rakesh A. Shinde, Bhushan T. Patil, Ketaki N. Joshi, Optimization of Tube Hydroforming Process (without Axial Feed) by Using FEA Simulations, Procedia Technology, Volume 23, 2016, Pages 398-405, ISSN 2212-0173,</p> <p>https://doi.org/10.1016/j.protcy.2016.03.043.</p> <p><i>(This paper was presented at 3rd International Conference on Innovations in Automation and Mechatronics Engineering 2016, ICIAME 2016 05-06 February, 2016 organized by G H Patel College of Engineering & Technology, Vallabh Vidyanagar 388120)</i></p>	
15	<p>Bhise D.K., Patil B. T., Shaikh V (2018) A Review of Micro Lubrication for Metal Working Process, International Conference on Role of Industrial Engineering in Industry 4.0 Paradigm, organized by IIIIE, Bhubaneswar in association with SOA, ICIEIND 2018.</p> <p><i>(This paper was presented in International Conference on Role of Industrial Engineering in Industry 4.0 Paradigm, organized by IIIIE, Bhubaneswar</i></p> <p><i>Date of Conference- 27-09-2018-30-09-2018)</i></p>	
16	<p>Deepika Singh Singraur, Dr. Bhushan T. Patil, Yogesh Rampariya(2018), Advancements in Thermoplastic Injection Molding System with Conformally Cooled Channels, International Conference on Role of Industrial Engineering in Industry 4.0 Paradigm, organized by IIIIE, Bhubaneswar in association with SOA, (ICIEIND– 2018)</p> <p><i>(This paper was presented in International Conference on Role of Industrial Engineering in Industry 4.0 Paradigm, organized by IIIIE, Bhubaneswar</i></p> <p><i>Date of Conference- 27-09-2018-30-09-2018)</i></p>	
17	<p>VeeraBhadraRao M., Patil B.T., Shaikh V.A., Sudhakar D.S.S. (2020) Experimental Performance Evaluation of Mist Cooling Using</p>	

	Biodegradable Coconut Oil in Turning of EN24 Steel in Minimization of Tool Wear, Surface Roughness, and Chip Thickness. In: Parwani A., Ramkumar P. (eds) Recent Advances in Mechanical Infrastructure. Lecture Notes in Intelligent Transportation and Infrastructure. Springer , Singapore doi: https://doi.org/10.1007/978-981-32-9971-9_1	
18	Patil B.T. , Narkhede B.E.,Mahajan S.K.(2012), “Cloud Computing: Emerging Enterprise Resource Planning Solution for Small and Medium Enterprises”, 1st International Conference on Best Practices in Supply Chain Management (BPSCM), organized by Siksha ‘O’ Anusandhan University, Bhubaneswar,22-23 November 2012	
19	Patil B.T. , Narkhede B.E.,Satao S.M.,D.Chandrababu(2010), “Analysis of Factors Contributing to Successful Implementation of ERP ,”International Conference on Advances in Industrial Engineering Applications,ICAIEA 2010,organized by Anna University,Chennai,6-8 January 2010	
20	Joshi K.N., Patil B. T. , (2018) Machine Vision based Multivariate Statistical Process Monitoring: An Efficient Tool for Quality Control and Management, 3rd National Conference on Industrial Engineering and Technology Management, NCIETM 2018, NITIE	
21	D. S. Singraur , B. T. Patil , Y. Rampariya., (2018) “Advancements in Design And Fabrication of Conformal Cooling Channels for Improvement in Plastic Injection Molding Process”, 3rd National Conference on Industrial Engineering and Technology Management, NCIETM 2018, NITIE	
22	Patil B.T. , Narkhede B.E.,Mahajan S.K.(2010), “Review of Critical Success (CSF) models for Improving the Performance of Enterprise Resource Planning”,First National Conference on Product Engineering(NCPE-2010),organized by Shri Guru Gobind Singhji Institute of Engineering & Technology,Nanded, 3-4 December 2010	
23	Patil B.T. , Narkhede B.E.,Mahajan S.K.(2010), “Factors affecting the Performance of Organization through Enterprise Resource Planning”, National Conference and 52 nd convention of Industrial Engineering, organized by Indian Institution of Industrial Engineering and Bhilai Steel Plant ,Bhilai, 26-28 November 2010.	

Book Chapter

Joshi K.N., **Patil B.T.**, Vaishnav H.B. (2020) Principal Components Based Multivariate Statistical Process Monitoring of Machining Process Using Machine Vision Approach. In: Patnaik S. (eds) New Paradigm of Industry 4.0. Studies in Big Data, vol 64. Springer, Cham (**Springer Book Series**) (**Invited by Editor in Chief**)

DOI: https://doi.org/10.1007/978-3-030-25778-1_7

Patent filed/granted

1.Design Patent **Accepted and Published** in Patent office Journal No 34/2015 and Journal Date 21/08/2015.Details are given below:-

Detail	
APPLICATION NUMBER	267711
CBR NUMBER	17730
CBR DATE	26/11/2014 15:38:44
NAME OF ARTICLE	PROJECTOR IMAGE CAPTURING DEVICE FOR MEASUREMENT OF GEOMETRY OF GEARS.
NAME OF APPLICANT	DR. BHUSHAN TRYAMBAK PATIL
FER DATE	05/02/2015
FILED AT	Mumbai

2. **Design Patent (Accepted and Published)** for Article for Image Acquisition and Measurement of Surface and Dimensional Quality (Design Patent application filed to Patent Office, Kolkata, Application Number: 296740 dated 18th August 2017) (Journal No: 29/2019, Journal Date: 19/07/2019)

Seminar /Workshops/CEP attended/Organized:-

Seminars/Workshops/CEP Attended/Organized							
Type	Attended/Organized	Title	Offered By	Contribution As	Level	Organized By	Date
STTP	Attended	Project Management	MCT's Rajiv Gandhi Institute of Technology	None	National	MCT's Rajiv Gandhi Institute of Technology, Mumbai	08-05-2006 : 12-05-2006
Seminar	Organized	SIX SIGMA	None	Resource Person	National	MCT's Rajiv Gandhi Institute Of Technology, Mumbai	08-05-2006 : 12-05-2006
STTP	Attended	Mechatronics: A Journey Of Automation Technology	Lokmanya Tilak College Of Engineering, Navi Mumbai	Participant	National	Lokmanya Tilak College Of Engineering, Navi Mumbai	18-12-2006 : 22-12-2006
STTP	Attended	Towards Effective teaching and Stress Management	Datta Meghe College Of Engineering, Navi Mumbai	Participant	National	Datta Meghe College Of Engineering, Navi Mumbai	05-01-2007 : 16-01-2007
CEP	Attended	AUTOCAD 2008	(ADCC Infocad Pvt Ltd)	TRAINEE	Regional	Authorised Training Centre (ADCC Infocad Pvt Ltd)	14-01-2008 : 19-01-2008
CEP	Attended	Imagineering Connect	L&T, Mumbai	Participant	National	L&T, Mumbai	02-06-2009 : 20-06-2011
Seminar	Attended	MATLAB And Simulink For Engineering Education	Mathworks	Participant	National	ADCC	23-09-2011 : 23-09-2011
STTP	Attended	Research Methodology: Tools And Techniques	IIT, Roorkee	Participant	International	IIT, Roorkee	12-12-2011 : 16-12-2011
Seminar	Attended	Doctoral Consortium	None	Delivered Seminar	National	VJTI, Mumbai	16-03-2012 : 16-03-2012
STTP	Attended	Introduction to	IIT, Mumbai	Participant	National	VJTI, Mumbai	25-06-

		Research Methodologies					2012 : 04-07-2012
Seminar	Attended	Airships	VJTI,Mumbai	Participant	National	VJTI,Mumbai	30-01-2013 : 30-01-2013
Seminar	Attended	Practice Leaders Forum 2013	NITIE ,Mumbai and POMS,USA	Participant	International	NITIE ,Mumbai and POMS,USA	23-12-2013 :24-12-2013
FDP	Attended	Project Management Tools and Techniques	VJTI and PMI	Participant	National	VJTI and PMI	22-08-2013:26-08-2013
FDP	Attended	Simulation of Manufacturing System	Fr.CRCE and IIIE,Mumbai Chapter	Participant	National	FR.CRCE,Bandra	13-03-2015:14-03-2015
FDP	Attended	Hands on training on Computational Fluid Dynamics using Simulations	Fr.CRCE	Participant	National	FR.CRCE,Bandra	03-02-2017:04-02-2017
Seminar	Attended	Elsevier Connect	Elsevier	Participant	National	Elsevier	26 Dec 2018
FDP	Attended	Machine Learning	Fr.CRCE,Bandra	Participant	National	FR.CRCE,Bandra	28th Feb & 22nd March 2019 (FDP 2 days)
FDP	Attended	Global Online Certification Course on Supply Chain Digitization and Management	NITIE,Mumbai	Participant	International	NITIE,Mumbai	16/01/2021 To 21/03/2021 (Online)

Work as reviewer/Sessions chaired:-

Work as Reviewer / Sessions Chaired			
Reviewer Type	Title	Journal / Conference Name	Year
Reviewer for Journal	Industrial Engineering Journal	Industrial Engineering Journal	Reviewed Many papers till now
Session chair	International conference on "Advances in Science and Technology - (ICAST-2015)	international conference on "Advances in Science and Technology - (ICAST-2015)	9th December, 2015 organized by SCOE, Navi Mumbai in association with University of Mumbai
Session chair	International conference on Nascent Technologies in Engineering - (ICNTE-2017)	International conference on Nascent Technologies in Engineering - (ICNTE-2017)	28 January 2017 organized by Fr.CRIT, Vashi Navi Mumbai
Session Chair	International Conference on Manufacturing & Industrial Engineering (ICMIE-2017)	International Conference on Manufacturing & Industrial Engineering (ICMIE-2017) organised by IIIE Aurangabad Chapter in association MGM's JNEC, Aurangabad	2017
Session Chair	"International Conference on Advances in Design, Manufacturing and Thermal Engineering (ICDMT)"	International Conference on Manufacturing & Industrial Engineering (ICMIE-2017) organised by IIIE Aurangabad Chapter in association MGM's JNEC, Aurangabad	Feb 2018

Guest Lectures Delivered:-

1. Delivered lecture on "Research Methodology" at VIVA institute of Technology, Virar on Friday 26th June 2015.
2. Worked as resource person and delivered lecture on "Data Analysis using SPSS" on 30/06/2015 at RGIT, Versova in Faculty Development Program on "Recent Trends in Manufacturing Practices"
3. Delivered Seminar on "Introduction to application of multivariate tools in research using statistics based softwares" at SIES graduate school of Technology, Nerul, Navi Mumbai
4. Invited Lecture on –"Approaches for Successful Ph.D. Research Completion in Manufacturing Technology area" at Jondhale College of Engineering, Dombivili (Feb 2018)
5. Invited Lecture on –Research Methodology at Fr.CRCE, Mumbai (Feb 2018) for Two days FDP on Research Methodology and Statistical Techniques in Research
6. Delivered Lecture on- Publications in Predatory Journals- Cause of Pollution in Research Culture at Fr CRCE, Bandra (March-2018)
7. Invited Lecture on –Applications of Statistical Tools in Research at Rajiv Gandhi Institute of Technology, Mumbai on 29/03/2019
8. Invited Lecture on –Introduction to SPSS at Rajiv Gandhi Institute of Technology, Mumbai on 31/03/2019
9. Delivered session on "IPR for students and faculty members" on 10th January 2019 under initiative by MHRD IIC-Fr.CRCE. Talk was majorly focusing on Patents, Designs, Trademarks and other IPR related issues.
10. Guest faculty to teach a full course on Operations Planning under Uncertainty for post graduate program at NITIE, Mumbai
11. Resource person for Ph D Skill development Lab at K J Somaiya College of Engineering, Mumbai
12. Delivered invited lecture on- Statistical Analysis in Research using Open Source Software-JAMOVİ at P. R. Pote College of Engineering and Management, Amravati

Contribution and Responsibilities handled in Academic Experience:

- Contributed to Syllabus Revision Committee of Mechanical branch at undergraduate and post graduate level for Mumbai University
- Contributed to student's paper Presentation Program as a session Judge to Mumbai University Colleges
- Member of Departmental Advisory Board at Rajiv Gandhi Institute of Technology, Mumbai
- Worked as member of selection committee for selection of candidates for admission to Ph.D. (Technology) program in mechanical engineering at various institutes in Mumbai
- Worked as member of selection committee for faculty recruitment at various institutes in Mumbai
- Subject Expert in selection committee for CAS (Assistant Professor and Professor at KJSCOE, Mumbai)
- Worked as member of committee for selection of teachers at DAV Public School, Airoli

- Member of local inquiry committee for inspection of Engineering colleges in Mumbai for affiliation of UG and PG courses
- Working as Vice Chancellors Nominee for Board of Studies in Mechanical Engineering by University of Mumbai at Autonomous College-Thakur College of Engineering, Mumbai

Awards Received:-

1. Awarded as Fellow Member by Indian Institution of Industrial Engineering
2. Honoured with prestigious 'Special Award' from Indian Institution of Industrial Engineering for continuous innovative development of Industrial Engineering in its operations and significant encouragement to the industries in India
3. Received 'Best Paper Presentation Prize for the First Rank' for the research paper jointly authored Ms Ketaki Joshi and presented by them at International Conference on "Role of Industrial Engineering in Industry 4.0 Paradigm (ICIEIND)" organized by IIIE Odisha chapter in collaboration with Siksha 'O' Anusandhan (Deemed to be University), at Institute of Technical Education and Research (ITER) from 27th-30th September 2018
4. Received Best paper award at National Conference organized by NITIE (2018)

Areas of Interest:-

Metrology, Quality Control, Performance evaluation of Information Systems, Design of Experiments, Mechatronics, Automation, Engineering Graphics, Research Methodologies, Multivariate Data analysis, Machine Vision Systems, Machine Learning, Information Systems in Manufacturing Industries, Enterprise Resource Planning, Decision Making in Uncertainty

Software Proficiency: -

- AUTOCAD,
- Hyper form,
- LS-DYNA,
- SPSS,
- AMOS
- MATLAB
- JAMOVI
- JASP

Personal Information:-

Date of Birth- 29/11/1974

Sex-Male

Address for Correspondence-

Professor and Dean(Research and Development) ,

Fr.Conceicao Rodrigues College of Engineering,Fr.Agnel Ashram,Band Stand,Bandra(W),

Mumbai-400050

Contact No. : 9820369797

bhushan.patil@frcrce.ac.in

Residential Address:

Dr. Bhushan Patil,

Sukh-Shanti CHS, D-2/0:2 Sector-10, Airoli, Navi Mumbai - 400708

Dr.Bhushan Tryambak Patil.