

Curriculum Vitae

Name: Prashant Trimbakrao Borlepwar



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Date of Birth: 31-08-1971

Academic Credentials

Class/ Degree	Specialization	Institution	University	Year	%/CGPA	Class
Ph.D.	Mech-Prod	MIT	Dr. B.A.M.U., Aurangabad	Appear r	-	-
M.E./ M. Tech.	Production	V.J.T.I., Mumbai	Mumbai University	1996	74.10	First Class & Distinction
B.E./B.Tech.	Production	J.N.E.C., Aurangabad	Marathwada University	1992	77.78	First Class & Distinction

M. Tech. Project: GenCAPP- A Software for Generative Computer Aided Process Planning of Rotational Parts with C-Axis Features

Ph. D. Research: Optimization of Process Parameters of WEDM with Evolutionary Optimization Techniques

Key Research Areas: Wire EDM, Optimization

Experience

Sr. No.	Organization	Post	From	To	No. of Years
1	Greaves Cotton and Co. Limited, Chikalhana, Aurangabad	Trainee Engineer	1992-1993		1 Year

2	Government Polytechnic, Bandra (E), Mumbai	Lecturer in Mechanical Engineering	1994-1996	1 Year 11 Months
3	Siemens India Limited, Joka Woks, Kolkata.	Sr. Executive	1996-2000	3 Years 8 Months
4	Gramin Polytechnic, Vishnupuri, Nanded	Head of the Department Automobile Engineering, Mechanical Engineering.	2000-2006	5 Years 7 Months
5	Government College of Engineering, Aurangabad	Assistant Professor	2006-2011	5 Years 7 Months
6	Maharashtra Institute of Technology, Aurangabad	Assistant Professor	2011- till date	8 Years 5 Months

List of Courses Taught/Teaching at UG level

Tool Design, Machine Drawing, Operations Research, Modern Management Techniques, Industrial Management

List of Courses Taught/Teaching at PG level

Advanced Optimization Techniques, Computer Integrated Manufacturing.

Additional Assignments/Duties

1. Worked as committee member of Term Work marks verification consecutively four semesters from December-2011 to May-2014.
2. Worked as Assistant Director CAS two times at Dr. B. A. M. U. Aurangabad
3. Worked as committee member of System Development for Academic Year 2014-15 semester-I.
4. Worked as class teacher few times.
5. Working as NAAC / NBA coordinator for academic year 2016-17, 2017-18, 2018-19, 2019-20.

Membership of Professional Bodies

ISTE Life Member: LM-21773

Member of Institution of Engineers: M-132976-0

Member of Indian Institution of Industrial Engineering: M-10523

Research Projects/Projects Guided

Diploma Level:

1. Spinning attachment to lathe
2. Aarti Machine used in Temple

UG Level:

3. Sun Tracking Control System
4. Re-generative Braking System
5. Piston Ring Measurement Compression and Auto Oiling System
6. Tin Can Crusher

PG Level:

1. Supply Chain Management – Prof. Jeevan J Salunke.
2. Hard Turning Parameter Optimization – Prof. S. V. Bhivsane.
3. Optimization of parameters for flame intensity in coal fired thermal power plant – Mujata Umair
4. Development of Automated Leather Cutting Machine - Asif Pathan.
5. Study on Reduction in Shrinkage Defects in HPDC Component by Optimization of Localized Squeezing Process – Shivkumar Biradar.
6. Manufacturing of Optical Lenses Using Additive Manufacturing Process Stereolithography – Umesh Sable

Computer/Software Proficiency

O/S: Windows, UNIX, DOS

Application Software: MSOffice, Lotus, AutoCAD, Matlab, R-Programming etc.

Database: Informix, Foxpro etc.

Seminar/Webinar/Workshop/ Industrial Training/ STTP//FDP/CEP/Conference Attended

1. 'Industrial Approach for technical Institutions & MIS', Conducted at B.V.V.S., Polytechnic, Bagalkot, Karnataka during 8-12-2003 to 19-12-2003.
2. 'Six Sigma & TPM', at Marico Industris Jalgaon, Maharashtra, during 23-02-2006 to 25-02-2006.
3. 'Implementing Outcome Based Engineering Curriculum through Networked Participatory Action Research', at Government College of Engineering, Aurangabad, during 9-09-2006 to 10-09-2006.
4. 'Pedagogical training in Engineering Education', at ESCI, Hyderabad during 22-09-2008 to 04-10-2008.
5. 'Competitive Manufacturing – Technologies and Management Paradigms', at M.S. Ramaiah school of Advanced Studies, Bangalore, during 23-10-2009 to 24-10-2009.
6. 'Advanced Quality Management Philosophies and Techniques' at S.V.N.I.T., Surat during 04-01-2010 to 08-01-2010.
7. 'Finite Element Analysis and Their Applications in Science & Engineering', at Annasaheb Dange College of Engineering & Technology, Ashta, Dist: Sangli, during 20-12-2010 to 24-12-2010.
8. Faculty Development Program on Outcome Based Education (OBE) Design, Delivery and Assessment organized by RIT, Sakhrle during 23rd – 27th June, 2014.
9. Best Practices in Curriculum Development of Mechanical Engineering, TEQIP Sponsored one day workshop organized at Walchand College of Engineering, Sangli on 27th June, 2014.
10. Computations and Optimization in Engineering, during 28-12-2015 to 08-01-2016 at National Institute of Technical Teachers Training and Research, Kolkata.

11. Advanced Engineering Optimization Through Intelligent Techniques (AEOTIT) during 6-10 February, 2017 at SVNIT, Surat, Gujrat.
12. Advanced Design and Manufacturing of Composite Materials, MHRD Sponsored, GIAN National Course during 18th to 22nd December, 2017 at VNIT, Nagpur, Aurangabad.
13. Novel Solar energy applications for the built environment, GIAN-MHRD course, during 26 November to 30 November, at MANIT, Bhopal.
14. R Programming Language, National level One Week Online Faculty Development Program, during April 28 to May 04, 2020, organized in association with Spoken Tutorial Project, IIT Bombay, organized by AISSMS, College of Engineering Pune.
15. Online 'Faculty Program on NBA', organized by Bharati Vidyapeeth College Of Engineering, Navi Mumbai – 400614 on 10-05-2020
16. Outcome Based Education: A Step towards Excellence, one week online Faculty Development Program, Organized by Government College of Engineering, Karad, during 11-15 May 2020.
17. Online national level program on 'Application of Statistical tools and Energy Engineering', organized by Shri. L. R. Tiwari College of Engineering, Thane 401107, during 20th and 21st May 2020
18. AQAR Preparation under Revised Assessment and Accreditation Framework, National level webinar, Organized by Dnyandeo Mohekar Mahavidyalaya, Kalamb during 16-05-2020 to 17-05-2020.
19. Computer Integrated Manufacturing & CNC (CIM/CNC), Organized by NITTTR, Chandigarh, Online AICTE Recognized Faculty Development Programme, from 25-05-20 to 29-05-20 (One Week)
20. Effective Use of ICT Tools in Online Teaching, Organized by IQAC and Department of Electronics and Telecommunication Engineering, Maharashtra Institute of Technology, from 22 June, 2020 to 04 July, 2020.
21. Opportunities & Challenges in Industry 4.0, International Technical Symposium, from 15-17, June, 2020, Organized by G. S. Mandal's, Maharashtra Institute of Technology, Aurangabad.
22. Online webinar 'Energy Efficient Buildings', Organized by Maharashtra Institute of Technology and ISHRAE students sub chapter Aurangabad, during 17 July, 2020 to 18 July, 2020.
23. Online five day FDP on 'Inculcating Universal Human Values in Technical Education' organized by All India Council for Technical Education (AICTE) from 8 February, 2021 to 12 February, 2021.
24. Online five day ATAL-FDP on 'Engineering Optimization Techniques and its Applications (ENOTAA-2021)', Organized by Government College of Engineering, Aurangabad during 14-18 June, 2021.

Seminar/Workshop/ Industrial Training/ STTP//FDP/CEP/Conference organized

1. Arranged a one day workshop on 'Total Quality Management', by Vishwas Watwe at Government College of Engineering, Aurangabad
2. Worked as Organizing secretary for the one week national level STTP titled 'Modelling and Simulation' during 27th June to 2nd July, 2016 at MIT, Aurangabad.

3. Worked as organising committee member for one day workshop on ‘Outcome Based Education’ by Mrs. Subbaraman at MIT-T, Aurangabad.
4. Worked as Committee Member for Organizing Five days Technical Symposium on "Advances in Materials and Manufacturing Engineering” organized by Department of Mechanical Engineering and Basic Sciences and Humanities, G.S. Mandal’s Maharashtra Institute of Technology, Aurangabad during 30th June to 4th July 2020.
5. Worked as Joint-Organizing Secretary for an International Conference on Recent Trends in Mechanical Engineering (ICRTME-2021), organized by Mechanical Engineering Department, Maharashtra Institute of Technology, Aurangabad during 22nd to 23rd January, 2021.

Invited talks delivered

1. Delivered expert talk on Machine Drawing at DIEMS, Aurangabad.
2. Delivered expert talk on OBE at MSS’s COE, Jalna

Papers in National/ International Journal

1. Parihar Shivaji, Borlepwar P. T. (2014), Mathematical Modelling on Dropwise Condensation, International Journal of Current Engineering and scientific Research, Volume 1, issue 2, October 2014, pp 30-35.
2. Syed Mujtaba Umair, Borlepwar P. T., A Review of Literature of Pulverised Coal Combustion, International Journal of Innovative Research in Science, Engineering and Technology, Volume 3, Special Issue 4, April-2014, pp 1-5.
3. Asif S. Pathan and P.T. Borlepwar, Development Of Automated Leather Cutting Machine, International Journal of Modern Trends in Engineering and Research, August 2016, pp 236-242.
4. Asif S. Pathan, P.T. Borlepwar, Finite Element Analysis of Structure of a Leather Cutting Machine, International Journal of Current Trends in Engineering & Research (IJCTER) e-ISSN 2455–1392 Volume 2 Issue 8, August 2016 pp. 199 – 206.
5. Shivkumar Biradar, Prashant Borlepwar, Study on effect of Die Temperature on the quality of the products in HPDC Process with the help of Flow Simulation, International journal of Engineering & Technology (IRJET) Vol 5, January 2018.
6. P. T. Borlepwar, S. Biradar, Study on Reduction of Shrinkage Defect in HPDC Component by Optimization of Localized Squeezing Process, International Journal of Metal Casting, 2019.

Books/ Book Chapter

1. Akshay Thakre, Prashant Borlepwar, ‘Study of Spring back Effect on Industrial Grade Materials in Sheet Metal Processing using FEA’, Smart Technologies for Energy, Environment and Sustainable Development, Select Proceedings of ICSTEESD-2018.
2. Umesh Sable, Prashant Borlepwar, Recent Developments in the Field of Rapid Prototyping: An Overview, Proceedings of International Conference on Intelligent Manufacturing and Automation, pp 511-519, ICIMA 2018

Papers in National /International Conference Proceedings

National Conference

1. Borlepwar P.T. & Pansare V.B, 'Latest Trends in CAPP', published in proceedings of national conference on Recent trends in Mechanical Engineering at SJCOE, Mysore during 17 & 18 Nov-2006.
2. Pansare V.B., Patil S.A. & Borlepwar P.T., 'A review of micro manufacturing processes', published in National conference on Design Dynamics and Manufacturing-2007 at Sant Longowal Institute of Engineering and Technology Longowal, Punjab during 17 & 18 March, 2007.
3. Dhage G.S. & Borlepwar P.T., 'Process Failure Modes and Effect Analysis', published in National Conference on Recent Trends in Mechanical Engineering-2010 conducted at Gwalior College of Engineering, Gwalior, on 08 May-2010.
4. Dhage G.S. & Borlepwar P.T., 'Process failure mode and effect analysis', National level technical festival conducted at Hi-Tech Group of Institutions, Waluj, Aurangabad from 1st March, 2011 to 6th March, 2011.
5. Manojkumar S. Lakal, P. T. Borlepwar, 'Quality Improvement of Deformed Steel Bar by Experimental Study of Quenching Process for Robust Design', National Level Conference and Technical Paper Presentation on Technologies for National Security, at Lokmanya Tilak College of Engineering, Navi Mumbai-400709 on 17th September, 2011.
6. Mujtaba Umair, P. T. Borlepwar, 'A review of optimization of different parameters in coal fired thermal power plants furnace', National conference Emerging Trends in Mechanical Engineering, at Babasaheb Naik College of Engineering, Pusad during 27th to 28th March, 2014.
7. Mujtaba Umair, P. T. Borlepwar, 'A review of literature on flame intensity of pulverized coal combustion', Vishwotech-2014, at Vishwabharati Academy's College of Engineering and Polytechnic, Ahmednagar during 21st and 22nd February, 2014.

International Conference

1. Borlepwar P.T. & Pansare V. B., 'Computer Aided Process Planning an approach to conserve Human Energy' published in Techno-millennium-2007 at M.I.T., Aurangabad.
2. P. T. Borlepwar, N. G. Patil, 'Recent Advances in Electrical Discharge Machining Process: A Review', IVth International Conference on Production and Industrial Engineering, CPIE-2016, held at Dr B R Ambedkar National Institute of Technology Jalandhar-144011, Punjab, India.
3. Asif Pathan, P. T. Borlepwar, 'Development of Automated Leather Cutting Machine', IVth International Conference on Production and Industrial Engineering, CPIE-2016, held at Dr B R Ambedkar National Institute of Technology Jalandhar-144011, Punjab, India.
4. Asif Pathan, P. T. Borlepwar, 'Finite Element Analysis of Structure of a Leather Cutting Machine', IVth International Conference on Production and Industrial Engineering, CPIE-2016, held at Dr B R Ambedkar National Institute of Technology Jalandhar-144011, Punjab, India.
5. Shivkumar Biradar, Prashant Borlepwar, Minimization of Shrinkage Porosity in HPDC Process with Local Squeeze Pin Using Flow Simulation Proceedings of International Conference on Intelligent Manufacturing and Automation, ICIMA 2018

6. Umesh Sable and Prashant Borlepwar, Recent Developments in the field of Rapid Prototyping: An Overview, Proceedings of international conference on intelligent manufacturing and Automation, Lecture notes in Mechanical Engineering, 2019.
7. Umesh Sable, Prashant T. Borlepwar, 'Suitability of Additive Manufacturing Process in Optical Lens Production', International Conference on Recent Trends in Mechanical Engineering (ICRTME-2021) during 22nd to 23rd January, 2021.
8. Shivaji S. Parihar, Prashant T. Borlepwar, 'Experimental Investigation of Overall Heat Transfer Coefficient in Drop wise Condensation', International Conference on Recent Trends in Mechanical Engineering (ICRTME-2021) during 22nd to 23rd January, 2021.

Awards, Achievements and Recognition

1. Second Rank from Marathwada University during graduation.
2. Second Rank from Mumbai University during post-graduation.

Date: 06-08-2020

Place: MIT, Aurangabad