

## Curriculum Vitae

**Name:** Dr. Poonam Shantilalji Bora

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**Date of Birth:** 08<sup>th</sup> February 1985



### Academic Credentials

Class/ Degree	Specialization	Institution	University	Year	%	Class
Ph.D.	Mathematics	Department of Mathematics	Dr.Babasaheb Ambedkar Marathwada University, Aurangabad	2014	-	-
M.Phil.	Mathematics	Department of Mathematics	Dr.Babasaheb Ambedkar Marathwada University, Aurangabad	2009	75.5	Distinction
M.Sc.	Mathematics	Department of Mathematics	Dr.Babasaheb Ambedkar Marathwada University, Aurangabad	2008	86.3	Distinction
B.Sc.	Physics, Mathematics, Electronics	S.B.College of Science	Dr.Babasaheb Ambedkar Marathwada University, Aurangabad	2006	83.95	Distinction

**Ph. D. Research:** Some Contributions to Nonlinear Systems of Functional Integral Equations

**Key Research Areas:**

- Integral Equations
- Differential Equations

**Experience**

Sr. No.	Organization	Post	From	To	No. of Years
1	Maharashtra Institute of Technology, Aurangabad	Assistant Professor (Senior College)	01 <sup>st</sup> September 2014	to till date	7.7 years
2	Vasantrao Naik Mahavidyalaya, Aurangabad	Substitute Lecturer (Senior College)	08 <sup>th</sup> July 2009	to 30 <sup>th</sup> April 2011	1.7 years
3	S.B.E.S College of Science, Aurangabad	Lecturer (Senior College)	A.Y. 2008-2009		1 year

**List of Courses Taught/Teaching at UG level**

- Engineering Mathematics I
- Engineering Mathematics II
- Engineering Mathematics III
- Engineering Mathematics IV
- Probability & Random Theory
- Statistical Methods in Engineering

**Additional Assignments/Duties****Maharashtra Institute of Technology (September 2014 –Till date)**

- Worked as a Coordinator of the event Sci-Clone 2K22 held on 28<sup>th</sup> February 2022
- Worked as a Coordinator of Two Days Value Added Course on MATLAB held on 28<sup>th</sup> & 29<sup>th</sup> June 2021
- Worked as an Organizer of Webinar, “Writing Research Paper” held on 7<sup>th</sup> July 2020
- Worked as a Treasurer in the event Sci-Clone 2020
- Worked as a Term Work Coordinator for Part I A.Y. 2019-20
- Worked as a member of Central Class Test and Term Work Committee
- Worked as a member of MHT-CET MOCK TEST 2019
- Worked as a member of Kalavihangam for A.Y. 2018, 2019

- Worked as a member of FY Facilitation Centre and FY Admission Committee for A.Y. 2016-17, 2017-18, 2020-21, 2021-22
- Worked as Mathematics Club In charge in the Basic Science & Humanities Department for Part II A.Y.2017, A.Y. 2018-19, A.Y.2019-20

### **Computer/Software Proficiency**

- Passed MS-CIT (Maharashtra State Certificate in Information Technology from Maharashtra State Board of Technical Education and Govt.) with 94%

### **Seminar/Workshop/ Industrial Training/ STTP/FDP/CEP/Conference Attended**

- Participated in NAAC-sponsored One Week Online Faculty Development Program on "Qualitative and Quantitative Approaches for Quality Assurance through Performance Indicators in Engineering Institutions" from 02<sup>nd</sup> to 06<sup>th</sup> May 2022
- Participated in one week online Faculty Development Program on “Outcome Based Teaching-Learning” organized by the Department of Chemical Engineering, Pravara Rural Engineering College, Loni from 21<sup>st</sup> to 25<sup>th</sup> March 2022
- Participated in one week online National level Faculty Development Program on “Role of Mathematics in Latest Engineering Trends” organized by the Department of Mathematics, Lords Institute of Engineering and Technology from 4<sup>th</sup> to 10<sup>th</sup> June 2021
- Attended one day online workshop on “OBE Concepts & Implementation and Digital Preparedness for NBA organized by Internal Quality Assurance Cell (IQAC), Maharashtra Institute of Technology, Aurangabad on 29<sup>th</sup> May 2021
- Attended two days educational summit on Outcome- Based Education (OBE) and National Assessment and Accreditation Council (NAAC) organized by Mastersoft India in association with IQAC, Maharashtra Institute of Technology, Aurangabad on 14<sup>th</sup> and 15<sup>th</sup> May 2021
- Attended online session on Challenges in Society Empowerment : Education and Healthcare organized by Maharashtra Institute of Technology, Aurangabad on the occasion of International Women’s day on 09<sup>th</sup> March 2021
- Attended webinar on “Process of Innovation Development” organized by Department of Basic Sciences and Humanities in association with Institution’s Innovation Council, Maharashtra Institute of Technology, Aurangabad on 08<sup>th</sup> January 2021
- Participated in Online Workshop on Universal Human Value organized by All India Council for Technical Education (AICTE) during 12<sup>th</sup> to 16<sup>th</sup> October 2020

- Participated in Workshop on SPINE CARE YOGA conducted by Dr. Amrita Sethi & Dr. Varsha Chimote (The ART of LIVING Faculty) organized by WOMEN DEVELOPMENT CELL, K.D.K. College of Engineering, Nagpur in association with The Art of Living held during 18<sup>th</sup> to 20<sup>th</sup> July 2020
- Participated in one-week STTP on Applications of Mathematical Sciences” organized by Department of Basic Sciences and Humanities, K.D.K. College of Engineering, Nagpur in association with the Indian Society for Technical Association from 13<sup>th</sup> to 18<sup>th</sup> July 2020
- Online Faculty Development Program on “ICT Enabled Higher Education in India: Challenges and Opportunities” organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Training of MHRD held on 15<sup>th</sup> April 2020 (Equivalent to a national Seminar)
- Online Faculty Development Program on "RESEARCH, FUNDING & IPR" jointly organized by Department of Electronics & Telecommunication, IQAC AND R & D Cell, K. C. COLLEGE OF ENGINEERING & MANAGEMENT STUDIES AND RESEARCH, THANE (EAST) in association with under the banner of IETE and Institution's Innovation Cell (IIC) from 7<sup>th</sup> to 10<sup>th</sup> May 2020
- One-week online Faculty Development Program on ICT Tools for Effective Teaching Learning organized by School of Mathematical Sciences, Swami Ramanand Teerth Marathwada University, Nanded from 11<sup>th</sup> to 16<sup>th</sup> May 2020
- Participated in the online AICTE Recognized Faculty Development program on NBA Accreditation of Engineering Programs" organized by NITTTR, Chandigarh scheduled from 11<sup>th</sup> to 15<sup>th</sup> May 2020
- Attended webinar, “Impact of Global Pandemic on Engineering” organized by G.S. Mandal’s Maharashtra Institute of Technology, Aurangabad on 06<sup>th</sup> May 2020
- Attended Webinar on Advanced OBE - Identifying weaker students and remedial actions organized by InPods Ed- tech on 23<sup>rd</sup> May 2020
- Attended interactive session, “How to prepare for NBA” by Dr. Vitthal Shrirang Bandal, Principal, Government Polytechnic, Pune organized by “Internal Quality Assurance Cell” of Maharashtra Institute of Technology, Aurangabad on 9<sup>th</sup> May 2020
- Participated in the One Day International e-Conference on Pandemic Pandemonium to Social Equilibrium: The Role of Literature organized by Department of English, Smt. Radhabai Sarada Arts, Commerce & Science College, Anjangaon Surji, Dist. Amravati (MS) held on 31<sup>st</sup> May 2020

- Participated in One Day International Web-Conference on Impact of COVID-19 on Education System by Department of CSIT, Dr. B.A.M.University, Aurangabad on 30<sup>th</sup> May 2020
- Two Days Hands-on workshop on “Effective use of ICT tools for efficient online teaching” organized by Department of Information Technology, Pune Institute of Computer Technology, Pune on 29<sup>th</sup> and 30<sup>th</sup> May 2020
- Attended one-week Refresher Course on “Use of ICT for Effective Teaching Learning”, from 8<sup>th</sup> to 12<sup>th</sup> January 2019, organized by Department of Basic Sciences and Humanities, Department of Computer Science and Department of Mechanical Engineering, Maharashtra Institute of Technology, Aurangabad.
- Attended National Level Workshop on “Teaching Methodologies for Engineering Mathematics” organized by Department of First Year Engineering, DIEMS Aurangabad from 23<sup>rd</sup> to 25<sup>th</sup> June 2018
- Attended two days Workshop on “Outcome Based Education” organized by Internal Quality Assurance Cell on 4<sup>th</sup> and 5<sup>th</sup> December 2017 at Maharashtra Institute of Technology, Aurangabad
- Attended one-week STTP on “Use of ICT for Effective Teaching Learning Process” organized by Department of Basic Sciences and Humanities & Department of Mechanical Engineering, Maharashtra Institute of Technology, Aurangabad from 27<sup>th</sup> June to 1<sup>st</sup> July 2017
- Attended National Workshop on Algebra and its Applications organized by Department of Mathematics, Dr. B. A. M. University, Aurangabad on 17<sup>th</sup> and 18<sup>th</sup> March 2017
- Participated in Six-Days Faculty Development Programme on “Empowering Faculty in English Communication and Soft Skills” conducted by Department of Basic Sciences and Humanities, Maharashtra Institute of Technology, Aurangabad from 11<sup>th</sup> to 16<sup>th</sup> January 2016
- Participated in One-Day Faculty Development Programme on “Professional English Communication Skills” conducted by Department of Basic Sciences and Humanities, Maharashtra Institute of Technology, Aurangabad on 17<sup>th</sup> January 2015
- Participated in 77<sup>th</sup> Annual National Conference of the Indian Mathematical Society and presented a paper entitled “On existence of abstract nonlinear Volterra Fredholm functional integrodifferential equations with nonlocal condition” held at School of Mathematical Sciences, Swami Ramanand Teerth Marathwada University, Nanded from 27<sup>th</sup> to 30<sup>th</sup> December 2011

- Participated in State Level Conference on Developments in U.G. and P.G. Mathematics with Applications in Various Fields held at P.E.S. College of Engineering, Aurangabad on 2<sup>nd</sup> and 3<sup>rd</sup> February 2009

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

- Worked as a Coordinator of Two Days Value Added Course on MATLAB conducted for all B. Tech first year students organized by Department of Basic Sciences and Humanities, Maharashtra Institute of Technology held on 28<sup>th</sup> & 29<sup>th</sup> June 2021
- Worked as an Organizer of Webinar, “Writing Research Paper” organized by Department of Basic Sciences and Humanities, Maharashtra Institute of Technology, Aurangabad on 7<sup>th</sup> July 2020.
- Worked as an Organizing Secretary in the event, SciClone held on the occasion of National Science Day organized by Department of Basic Sciences and Humanities, Maharashtra Institute of Technology, Aurangabad from 25<sup>th</sup> to 28<sup>th</sup> February 2017
- Worked as an Organizing Committee Member in Six-Days Faculty Development Programme on “Empowering Faculty in English Communication and Soft Skills” conducted by Basic Sciences and Humanities Department, Maharashtra Institute of Technology, Aurangabad on 11<sup>th</sup> to 16<sup>th</sup> January 2016

#### **List of Research Publications**

- Machindra B. Dhakne and Poonam S. Bora, Existence of solutions of abstract nonlinear mixed functional integrodifferential equation with nonlocal conditions, Nonautonomous Dynamical Systems, Volume 4, Issue 1 (Apr 2017), pp.1-15
- Machindra B. Dhakne and Poonam S. Bora, On nonlinear second order Volterra-Fredholm functional integrodifferential equation with nonlocal condition in Banach spaces, Fasciculi Mathematici, Vol. 54, (2015), pp. 75-96
- Machindra B. Dhakne and Poonam S. Bora, On nonlinear Volterra-Fredholm functional integrodifferential equations with nonlocal condition in Banach spaces, Malaya Journal of Matematik, Vol. 4, No. 1, (2013), pp. 61-75
- Machindra B. Dhakne and Poonam S. Bora, On nonlinear mixed functional integrodifferential equations with nonlocal condition in Banach spaces, International Journal of Mathematical Sciences and Engineering Applications, Vol. 7, No. V, (September 2013), pp. 57-76. (Impact factor: 0.2172)

- Machindra B. Dhakne and Poonam S. Bora, On abstract nonlinear Volterra-Fredholm functional integrodifferential equations with nonlocal condition, ISST Journal of Mathematics and Computing System, Vol. 3, No. 2 (July-Dec. 2012), pp. 17-26

### Certification

Start Date	End Date	Duration (in weeks)	Course Name	Conducted by
27 <sup>th</sup> July 2020	21 <sup>st</sup> September 2020	8	English Grammar and Style	The University of Queensland, Australia
27 <sup>th</sup> January 2020	17 <sup>th</sup> April 2020	12	NBA Accreditation and Teaching - Learning in Engineering (NATE)	NPTEL
29 <sup>th</sup> July 2019	20 <sup>th</sup> September 2019	8	TALE 2: Course Design and Instruction of Engineering Course	NPTEL

### Awards, Achievements and Recognition

- University Scholar Fellowship holder while pursuing Ph. D. in Mathematics.
- Stood first in Merit at M.Sc. (Mathematics) from Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Maharashtra
- National Merit Scholarship holder while pursuing M. Sc. (Mathematics).
- Stood second in Merit at B.Sc. from Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Maharashtra
- Selection in Software Company, Tech Mahindra (Former MBT), Pune, as a Junior Technical Associate

Date: 11-05-2022

Place: Aurangabad