

## Curriculum Vitae

**Name:** Dr. Poonam Shantilalji Bora

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**Date of Birth:** 8<sup>th</sup> February 1985



### Academic Credentials

Class/ Degree	Specialization	Institution	University	Year	%/C GPA	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,	S.B.College of Science	Dr.Babasaheb Ambedkar	2006	83.95	Distinction

	Electronics		Marathwada University, Aurangabad			
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**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)	1 <sup>st</sup> September 2014	to till date	5.5 years
2	Vasanttrao Naik Mahavidyalaya, Aurangabad	Substitute Lecturer(Senior College)	8 <sup>th</sup> July 2009	to 30 <sup>th</sup> April 2011	1.9 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
- Abstract Algebra
- Mechanics
- Real Analysis
- Complex Analysis

**Additional Assignments/Duties**

**Maharashtra Institute of Technology (September 2014 –Till date)**

- 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
- Worked as Mathematics Club Incharge in the BSH Department for Part II A.Y.2017, A.Y. 2018-19

### **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**

- 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”, from 23<sup>rd</sup> to 25<sup>th</sup> June 2018, organized by Department of First Year Engineering, DIEMS Aurangabad.
- Attended two days Workshop on “Outcome Based Education” on 4<sup>th</sup> and 5<sup>th</sup> December 2017, 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”- from 27<sup>th</sup> June to 1<sup>st</sup> July, 2017 organized by Department of Basic Sciences and Humanities & Department of Mechanical Engineering, Maharashtra Institute of Technology, Aurangabad.
- Attended National Workshop on Algebra and its Applications, on March 17<sup>th</sup> and 18<sup>th</sup> 2017, organized by Department of Mathematics, Dr. B. A. M. University, Aurangabad.
- Participated in Six-Days Faculty Development Programme on “Empowering Faculty in English Communication and Soft Skills” from 11<sup>th</sup> to 16<sup>th</sup> January 2016 conducted by Department of Basic Sciences and Humanities, Maharashtra Institute of Technology, Aurangabad
- Participated in One-Day Faculty Development Programme on “Professional English Communication Skills” on 17<sup>th</sup> January 2015 conducted by Department of Basic Sciences and Humanities, Maharashtra Institute of Technology, Aurangabad.
- Participated in 77th 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” from 27th to 30th December 2011, held at School of Mathematical Sciences, Swami Ramanand Teerth Marathwada University, Nanded.
- Participated in State Level Conference on Developments in U.G. and P.G. Mathematics with Applications in Various Fields on 2<sup>nd</sup> and 3<sup>rd</sup> February 2009, held at P.E.S. College of Engineering, Aurangabad.

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

- 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> Jan 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.

### 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: 25-02-2020

Place: Aurangabad