

## CURRICULUM VITAE

**Name: Dr. Uttara Ramesh Borsarkar**

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**Mobile No.:**9423151400



### Objective:

Dedicated to built strong foundation of Mathematics among student community. To obtain a responsible position as **Associate Professor** where my teaching and research experience will be helpful.

### Personal Information:

<b>Name</b>	<b>Dr. Uttara R. Borsarkar</b>
<b>Date of Birth</b>	25/06/1981
<b>Marital Status</b>	Married
<b>Nationality</b>	Indian
<b>Residence Address</b>	53,Jawahar colony, Aurangabad
<b>Languages</b>	English, Marathi, Hindi
<b>Contact Phone</b>	9423151400
<b>Email</b>	uttarasanjay@gmail.com.

Class/ Degree	Specialization	Institution	University	Year	Percentage	Class
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### Educational Qualification

Degree	Board/University	Passing Mon-Year	Stream/Subject	Obtained/ Total Marks	% or Grade Point
Ph.D	Dr.B.A.M. University, Aurangabad.	3 Jan 2019	Mathematics		
M.Phil	Dr.B.A.M. University, Aurangabad.	23 February 2015	Mathematics	328/400	82%
B.Ed	Government College of education, Aurangabad.	M/A 2005	Maths, Science	861/1200	71.75%
M.Sc	Dr.B.A.M. University, Aurangabad.	June-2003	Mathematics	537/800	67.13%
B.Sc	Dr.B.A.M.University, Aurangabad.	M/A 2001	PHY, Maths, Comp.Sci	2468/3400	72.59%
HSC	STATE BOARD	March 1998	Science	364/600	60.61%
SSC	STATE BOARD	March 1996		543/750	72.40%

**Title of thesis:** Some properties of graphs on a lattices.

<b>Software Exposures:</b>	
	<b>Excel, Word, Powerpoint , C , C++ , Oracle , VB, Latex, Python</b>

<b>Work Experience :</b>						
<b>Name of Organization</b>	<b>Type of Service</b>	<b>Designation</b>	<b>Nature of Post</b>	<b>From-To</b>	<b>Payscale</b>	<b>Approval date</b>
MIT (E), A'bad	Regular	Asst. Prof	Teaching	29/6/2009 to till date	15600-39100+6000	5/10/2011
MIT (E), A'bad	Ad-hoc Basis	Lecturer	Teaching	29/6/2009 to 27/6/2011	8000-13500	
MIT (P), A'bad	Ad-hoc Basis	Lecturer	Teaching	1/8/2006 to 29/6/2009	8000-13500	
SBES college of science	Clock hour basis	Lecturer	Teaching	25/6/2003 to 28/2/2004		

**Papers published / presented in various Conferences /Journals/Resource Person.**

**Resource Person**

- 1) Selected for resource person for digital content development for the subject Engineering Mathematics by Dr. Babasaheb Ambedkar Technological University, Lonere.
- 2) Invited as a resource person in National Level One day Webinar on 28 August 2021, Organised by Nanasaheb Y. N. Chavan Arts, science and Commerce college, Chalisgaon, Jalgaon.
- 3) Invited as a resource person for the guest lecture in State level Three days workshop on Mathematics, on the occasion of National mathematicsday, on 22-24 dec 2021, Organised by B.P. Arts, S.M.A Science and K.K.C Commerce college, rce college, Chalisgaon, Jalgaon.

**Paper Publication:**

- 1) Some properties of the atom based graph on a lattice, Mathematical Sciences International Research Journal, vol 4(2015) issue 2, 86--91. ISSN 2278—8697.
- 2) Some properties of the weak product of graphs on lattices, Asian-European Journal of Mathematics, World Scientific Publishing Company.  
doi.org/10.1142/S1793557119500529. Print ISSN: 1793--5571 Online ISSN: 1793-7183
- 3) PAPR reduction in wavelet based SLM technique using diasquare matrix, Journal of Adv. Research in Dynamical & Control Systems, Vol. 10, (2018) 15, 606-614, ISSN 1943-023X
- 4) Some results on a graph of a poset, Palestine Journal of Mathematics, Vol. 8(Special Issue: I, 2019) , 482–489.
- 5) Covering energy of the atom based graphs of lattices, Jour of Adv Research in Dynamical & Control Systems, Vol. 12, 05-Special Issue, 2020.

**Paper Presentation :**

- 1) “Some properties of the atom based graph on a lattice” , in the International conference on mathematics -2015. Held during 26-28 Nov 2015 at Dept. of mathematics, University of kerala, Thiruvananthapuram, Kerala.
- 2) “Comparative study of graphs of linear sum of two lattices”, in the International conference on current trends in graph theory and computation . Held during 17-19 Sept 2016 at Dept. of mathematics, South Asian university, New Delhi.
- 3) “ On the incomparability graph of a poset ”, in the International conference on algebra, discrete mathematics and application s. Held during 9-11 Dec 2017 at Dept. of mathematics, dr. Babasaheb Ambedkar Marathwada university, Aurangabad, Maharashtra.
- 4) “On the atom based graph of a poset ”, in the the International conference on algebra and discrete mathematics -2018. Held during 8-10 Jan 2018 at Dept. of mathematics, Madurai Kamaraj University , Madurai.
- 5) “Covering energy of the atom based graphs of lattices”,International Conference on Smart Computer Applications and Innovations, organized by the Department of Computer

Science Engineering and Department of Computer Applications, Marathwada Institute of Technology, Aurangabad, Maharashtra scheduled.

- 6) “PAPR reduction in wavelet based SLM technique using diasquare matrix”, in International Conference on Smart Computer Applications and Innovations, organized by the Department of Computer Science Engineering and Department of Computer Applications, Marathwada Institute of Technology, Aurangabad, Maharashtra scheduled.
- 7) “Wiener Index of the atom based graph of a Boolean lattice”, in 87<sup>th</sup> Annual conference of Indian mathematical Society organised by Department of Applied Science, JNEC, MGM University, Aurangabad. Held during December 4-7,2021.
- 8) “Peak to Average Power Ratio Reduction Using Modulo Function Matrix with wavelet Packet modulation”, in Natinal conference on communication, Computational Intelligence and Learning [NCCCIL-21], (AICTE sponsored) organised by Army Institute of Technology, Pune. Held during Jan. 12- 13/1/2022.

**Conferences / Workshop attended :**

- 1) Attended four day workshop “ Introduction to MATLAB”, conducted by dept. of Electronics and Communication Engg., Marathwada Institute of Technology, Aurangabad on 14-17 July 2009.
- 2) Participated in one day workshop on ‘Revised syllabi of engineering mathematics –I and II’, conducted by Dr. Babasaheb Ambedkar Marathwada university, Aurangabad and Deogiri Institute of Engineering and Management Studies, Aurangabad. On 20 Oct 2011.
- 3) Participated in national conference on “Recent development in graduate, post-graduate and research level mathematics “ organized by J.E.S college , Jalna. On 10-12 Jan 2011.
- 4) Participated in Two days ISTE workshop on Aakash for education , Conducted by Indian institute of technology , Bombay on 10-11 Nov 2012.
- 5) Participated in two days workshop in mathematics , conducted by Marathwada Mathematical Society and S.B. Science college, Aurangabad, on 24-25 Aug 2013.

- 6) Participated in two days “National workshop on algebra and its applications”, conducted by Dept. of mathematics, Dr. Babasaheb Ambedkar Marathwada university, Aurangabad on 17-18 Mar 2017.
- 7) Attended national conference on Discrete mathematics held at the dept. of mathematics , Savitribai Phule Pune University, Pune. on 20-22 Feb 2017.
- 8) Participated in national workshop on “ Teaching methodologies for engineering mathematics”, organized by Deogiri Institute of Engineering and Management Studies, Aurangabad. On 23-25 Jun 2018

**Achievements:**

- 1) Won First prize in paper presentation competition held on the occasion of the National Mathematics Day 12-13 Mar 2015, organized by Dept of mathematics Dr. Babasaheb Ambedkar Marathwada University , Aurangabad.
- 2) Won First prize in paper presentation competition held on the occasion of the National Mathematics Day 14-15 Mar 2016, organized by Dept of mathematics Dr. Babasaheb Ambedkar Marathwada University , Aurangabad.
- 3) Won cash prize given by Prof. M.A.Deshpade, SBES college of science, Aurangabad for securing highest marks in mathematics.
- 4) Worked as a reviewer of the books published by Tech-max publication , Pune. ISBN:978-93-88200-50-9. Titled i) Engineering mathematics I, ii)Engineering mathematics II iii) Engineering mathematics III
- 5) Successfully completed certificate course “Basic training in learning disorders and Remedial education” with A+ grade during Sept to Dec 2017, conducted by ICON centre and The IASE, Government college of education, Aurangabad.
- 6) Worked as a reviewer of the books published by Tech-Neo publication , Pune. ISBN: 978-93-86742-60-5. Titled i) Engineering mathematics I.
- 7) Successfully complete 8 week NPTEL- Faculty Development program in”Accreditation and Outcome based Learning” conducted by IIT (Kharagpur) between Aug-Oct 2019.

- 8) Successfully completed One week national Faculty development program on “ ICT Tools for Effective Teaching and Learning.” Organised by School of mathematics sciences, SRTM University, Nanded . During 11 – 16 May 2020.
- 9) Successfully completed One week Pedagogical Training for Teachers on Tools for online teaching learning and evaluation from 1 -6 July 2020. Organised by School of mathematics sciences, SRTM University, Nanded.
- 10) Participated and completed successfully AICTE training and learning (ATAL) academy faculty development on “Leadership and Excellence” from 14 -18 Sept 2020.
- 11) Attended two days national workshop on “Getting Aligned to the Publishing Process” at Elsevier on 25 sept 2020.
- 12) Participated and successfully completed 5days faculty development program on “Inculcating Universal Human Values in Technical Education ” organised by AICTE from 9 -13 August 2021.

#### **Responsibilities handled:**

- 1) Chief Superintendent of
  - a. Dr. Babasaheb Ambedkar Technological university examination Nov/Dec 2018.
  - b. Dr. Babasaheb Ambedkar Marathwada university examination May/June 2016.
  - c. Dr. Babasaheb Ambedkar Marathwada university examination May/June 2014.
  - d. M.S.B.T.E. Exam May/June 2009
- 2) Working as Examiner, Moderator for Dr. BAMU, Dr. BATU and MSBTE.
- 3) Admission Committee member from 2006.
- 4) Worked as LIC, AICTE, DTE, NIRF coordinator.
- 5) Paper Setter for Govt. Polytechnic Summer 2013 and Dr.BAMU for Engg. Mathematics.
- 6) Working as a Class test coordinator , Term Work coordinator, Time-table coordinator.
- 7) Organizing committee member of Youth Festival 2012, Technoblitz event since 2011,
- 8) FE induction program.

- 9) Paper Setter for Dr.BAMU for Discrete Mathematics and Operation research for MCA course.
- 10) Paper Setter for BATU for Engineering Mathematics, Numerical Methods and computational techniques, for B. Tech and M. Tech course.