

## CURRICULUM-VITAE

### Dr. Rupesh Tulshiram More

Assistant Professor and Research Guide,  
Department of Mathematics,  
Arts Commerce and Science College Bodwad 425310.  
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### Educational Qualifications:

Degree	Year	University	Percentage	Division
Ph. D.	2016	N. M. U. Jalgaon	--	--
NET	2009	CSIR-UGC, New Delhi	Qualified	(All India Rank 66)
SET	2009	Pune University,Pune	Qualified	First
M. Sc.	2006	Pune University,Pune	61	First
B. Sc.	2002	Pune University,Pune	61.33	First

### Doctor of Philosophy (Ph.D.) Mathematics

**Thesis Title:** Studies In The Theory Of Integral Equations With Nonlocal Conditions

**Ph. D. Supervisor:** Dr. H.L.Tidke,KBC N.M.U. Jalgaon.

**No. of Ph.D Students registered :**01

**No. of Research Project :-**01VCRMS project (ongoing)

**No. of Membership (Professional Bodies):-**03

**Countries Visit for Research :-** USA

### Software Exposure:

- **Computer Literature:** Fundamentals of Computer, MSCIT, Programming in C and using MATLAB,Maxima,Sagemaths,Mathematica,Scilab ,Autograph,Graph,Geogebra etc.
- **Text formatting and office:** LaTeX, Microsoft Word and Power point.

### Work contribution in College

1. Head –Department of Mathematics.
2. Nodal Officer:AISHE.
3. Nodal Officer: Infosys contract with Maharashtra Government.
4. Worked a Member for NAAC Criteria I,II,III and VI.

## Achievements:

- No. of students qualify NET and SET Exam from Mathematics department :- **02**
- International Academic Visit as a **Chairperson**: Morehouse College, Atlanta, GA 30314, USA(2015).

**Teaching Experience:** 11 Year

- Stood First in “NMD-2014” Poster Competition “jointly supported by National Council for Science & Technology Communication (NCSTC) DST, **Government of India** and Rajiv Gandhi & Technology commission, Government of India held in Dept. of Mathematics North Maharashtra University Jalgaon on 22<sup>th</sup> March 2015.
- Got 3<sup>rd</sup> prize in easy competition organized by **KBCNMU, Jalgaon** and Asha Foundation on 2 March 2021.

## Conferences: (Session Chaired)

- Participated and delivered talk on “*Approximation of solutions of a integro-difference-differential equation with nonlocal condition*” in “**Seventh International Conference on Dynamic Systems and Applications & Fifth International Conference on Neural, Parallel, and Scientific Computations**” organized by Department of Mathematics, 830 Westview Dr. S.W. Morehouse College, Atlanta, GA 30314, USA during May 27-30, 2015.

**Research Interest:** Integral Equation.

## Publications:

List of Publication

- 1) Published Research Paper entitled “**On An Abstract Nonlinear Volterra Integrodifferential equation with nonlocal condition**” H.L.Tidke ,**R.T. More** *Journal of Applied Functional Analysis (JAFA) Vol .9 No.1-2 pg. 13-24 with ISSN:1559-1948 (PRINT), 1559-1956 (ONLINE)*
- 2) Published Research Paper entitled “**Existence and Uniqueness of Solution Of Inhomogeneous Semilinear Evaluation Equation With Nonlocal Condition**” in *Journal of Advances in Mathematics (JAM) Vol 6 .No.3(2014) pg.1044-1049 with ISSN:2347-1921 .*
- 3) Published Research Paper entitled “**Existence and uniqueness of solution of integrodifferential equation in cone metric space**” H.L.Tidke ,**R.T. More** in ‘*SOP TRANSACTIONS ON APPLIED MATHEMATICS In Press*’ with ISSN:2373-8472 (PRINT), 2373-8480 (ONLINE)
- 4) Published Research Paper entitled “**On An Abstract Nonlinear Differential equation with nonlocal condition**” H.L.Tidke ,**R.T. More** in ‘Proceedings of National Conference on Recent Applications of Mathematical Tools in Science and Technology(RAMT-2014)’ pg III-(47-50). *with ISBN:978-93-82588-41-2.*
- 5) Published Research Paper entitled “**Existence and uniqueness of mild solutions of nonlinear difference-integrodifferential equation with nonlocal condition**” in *Journal of Advances in Mathematics (JAM) Vol 9 .No.3(2014) pg.2415-2530 with ISSN:2347-1921*

- 6) Published Research Paper entitled “**EXISTENCE AND OSGOOD TYPE UNIQUENESS OF MILD SOLUTIONS OF NONLINEAR INTEGRODIFFERENTIAL EQUATION WITH NONLOCAL CONDITION**” in **International Journal of Pure and Applied Mathematics (IJPAM)** Volume 104 No. 3 2015, 437-460 ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on-line version)
- 7) Published Research Paper entitled “On a nonlinear second order Volterra integrodifferential equation with nonlocal conditions” H.L.Tidke ,**R.T. More** in ‘Proceedings of Dynamic Systems and Applications 7 (2016) ’pg1-8.
- 8) Published Research paper entitled ‘**Some Results on Ulam Hyers Stability of Integrodifferential Equations with nonlocal Condition on infinite interval** ’ in ‘The journal of research & development’ in june2022.ISSN :2230-9578.
- 9) Published Research paper entitled ‘ **Similarity solution for mixed convection of non-Newtonian fluid by scaling group transformation technique**’ in **International Journal of Research and Analytical Reviews (IJRAR)** in September 2022.E-ISSN 2348-1269,

### Membership of Professional Committees:

- Life member of **Indian Mathematical Society (IMS)** <https://www.indianmathsociety.org.in/>
- Life member of **Indian Science Congress Association (ISCA)** Membership no.L41410
- 10 Years General Associate Membership of “The Mathematics consortium ”

### Administrative Work Experience

- Worked as **University Subject Expert** for “Interview for Stage I to Stage II (Grade Pay 6000-7000) through API as per six commission of Assistant Professor in Mathematics” as per nominated by Vice Chancellor of N.M.U. Jalgaon at M.J. College Jalgaon for H.J. Thim College of Arts and Science..
- Worked as **University Subject Expert** for “Interview for regular post in open category of Assistant Professor in Mathematics” as per nominated by Vice Chancellor of N.M.U. Jalgaon at A.C.S.College Erandol Dist. Jalgaon on 24/10/2017.
- Worked as **University Subject Expert** for “Interview for regular post in open category of Associate Professor in Mathematics” as per nominated by Vice Chancellor of N.M.U. Jalgaon at J.T. Mahajan College of Engineering ,Faizpur Erandol Dist. Jalgaon on 14/11/2017.
- Worked as a **Chairman** for University Exam for SYBSc Practical Exam in academic year 2019-20.

### Worked as Member of Various Committees:

Admission Committee, N.S.S. Program Officer, AISHE Nodal Officer.

Examination Committee, Academic Committee, Sport Committee, Library Committee.

### Design of Curriculum:

Active Participation	Class
✚ Syllabus Framing Workshop	F.Y.B. Sc.
✚ Syllabus Framing Workshop	S.Y.B.Sc..
✚ Syllabus Framing Workshop	F.Y.B. Sc.

**Ph. D. Student: (0): Nil.**

### Member of Various Organizing Committee:

- ✚ **Worked as a Convener** for University Sponsored **National Conference on “Role of Mathematics in Science and Technology (RMST-2017)”** organized by Arts, Commerce and Science College, Bodwad on 17 /01/2017. There were more than **50** participants of various states.
- ✚ **Organizing Member**, National conference on “ Algebra , Analysis and Fuzzy Mathematics” during February 21-22, 2014 at Department of Mathematics, North Maharashtra University, Jalgaon.
- ✚ Organised National E Conference on “Science and Technology for Sustainable Development with Women Empowerment” through Zoom Meeting held on Tuesday , March 30, 2021.
  
- ✚ Celebration of ‘**Mathematics Day**’ Programme at NSS Winter Camp Shirsala, on December 22,2016.
- ✚ **Team Manger** under ‘Aviskar-2017’ held on December 21,2017.
- ✚ Departmental Tour’ to Patanadevi ‘**Karmabhumi of Bhaskaracharya near Chalisgaon** during academic year 2010-11.
- ✚ **Study Tour to Gandhiteerth (Jalgaon) for NSS Students on 27August 2016.**
- ✚ Organised Popular Lecture on career in Mathematics of **Professor S.R. Chaudhari** (Head,Dept of Mathematics,NMU,Jalgaon) at A.C.S. College Bodwad on June 6, 2014.
- ✚ Organised Popular Lecture on “Learning technique in Mathematics in Mathematics of Dr. H.L. Tidke (**Faculty** ,,Dept of Mathematics,NMU,Jalgaon) at A.C.S. College Bodwad .
- ✚ Guest lecture of Prof. S.C. Patekar, faculty in Mathematics, University of Pune on the subject- “Application of Graph Theory” on 16-01-2017.
- ✚ Worked as an organizing member in National Workshop for Farmers on “Technological Transformation for Rural Issues and Challenges” which was organized by our College on 06-07 December 2016.
- ✚ **NSS Special Winter Camp in Shirsala Tal. Bodwad during 20-26 December 2016.**

- ✚ Organized Poster Competitions on various topics of Mathematics in every Academic Year.
- ✚ Organized various Programmes on ‘Awareness of Eye Donation, Organ Donation, Blood Donation Camp ,Anti superstition, Environmental Science, Solar Energy, Rain Water harvesting, intoxication, Vaccination ’ in every academic year in A.C.S. College Bodwad .
- ✚ Worked as Examiner, Central Assessment Program, NMU, Jalgaon.
- ✚ Organizing Member, National Mathematics day in every Academic Year on 22 December.
- ✚ Organized Guest lecture on “Role of Abacus in daily life” on 5 October 2013 for students of BSc in AC.S. College, Bodwad.
- ✚ Worked as a Organizing member for Blood Donation Camp, being the NSS-PO in our College on 10 August 2016. 40+ students donated blood to Indian Red-Cross Blood Bank Society Jalgaon.
- ✚ **Worked as a Organizing member** of “NMD-2014” jointly supported by National Council for Science & Technology Communication (NCSTC) DST, Government of India and Rajiv Gandhi & Technology commission, Government of India held in Dept. of Mathematics North Maharashtra University Jalgaon on 22<sup>th</sup> March 2015.
- ✚ **On occasion of Science inauguration Program on August 7,2014 ,delivered Lecture on “Role of Personality Development “ to Science Students.**
- ✚ **Organized movement in our college awareness about the nirmalya generated at the Ganesh festival is processed in an eco-friendly manner.**
- ✚ Arranged Speech of Chief Editor of **Sakal Media Group** and President of 84<sup>th</sup> **Akhil Bhartiya Marathi Sahitya** Sammelan **Uttam Kamble Saheb** for motivate students on 11 September 2014.
- ✚ **Worked as member in College Infrastructure Committee, Career Counseling cell.**
- ✚ Worked as a parent Teacher for 16 students under Teacher Guardian Committee.
- ✚ Worked in Annual Prize Distribution Ceremony of our College in each academic year.
- ✚ Organised guest lecture of **Hon. Prof.Rohan Gaikwad** , Pratap College ,Amalner ,Maharashtra using webinar on Topic “History of Indian Mathematicians” to our Mathematics students,teachers,researchers through Zoom Meeting held on Monday, 19<sup>th</sup> October 2020 .
- ✚ Organised guest lecture of **Hon. Mr.Sandip Patil** , NYNC Arts ,Science and Commerce College ,Chalisgaon Maharashtra using webinar on Topic “Outline of Z transform in Mathematics” to our Mathematics students,teachers,researchers through Zoom Meeting held on Monday, 14<sup>th</sup> December 2020 .
- ✚ Organised guest lecture of **Hon. Achyut Godbole Saheb** using webinar on Topic “Ganit Mhanaje Kay?” to Mathematics students,teachers,researchers through Zoom Meeting held on Tuesday , 22<sup>th</sup> December 2020 .
- ✚ Organised guest lecture of **Dr. Prem Kiran G. Bhadane** , SPDM Arts, SBB & SHD Commerce and SMA Science College,Shirpur,Maharashtra using webinar on Topic “Introduction to Scilab” to our Mathematics students,teachers,researchers through Zoom Meeting held on Friday, March 19, 2021 .
- ✚ Organised guest lecture of Hon. **Sachin Tribhuwan** UpThink Edutech Services ,Pune,Maharashtra using webinar on Topic “ Career opportunities in digital Teaching” to our Mathematics students,teachers,researchers through Zoom Meeting held on Saturday, April 3, 2021.

- ✚ On occasion of Corona period ,Organised guest lecture of **Hon., Dr. Pradip Joshi M.D. (Psychiatry)** Joshi Hospital, Jalgaon on Topic ‘ विद्यार्थ्यांचे मानसिक आरोग्य ‘ to our Students,teachers,researchers through Google Meeting held on Thursday, 7th October 2021.
- ✚ Organised guest lecture of **Hon.Dr. Anil S. Khairnar (Gold Medalist)** , Department of Mathematics, MES Abasaheb Garware College, Pune,Maharashtra using webinar on Topic “**Importance of Metric Spaces** ” to our TYBSc Mathematics students,teachers,researchers through Google Meeting held on Sunday, 5<sup>nd</sup> December 2021.
- ✚ Organised guest lecture of **Hon. Dr. R. A. Malekar** , Department of Mathematics, National Defence Academy(NDA),Khadakwasala, Pune ,Maharashtra using webinar on Topic “**Applications of Mathematics** ” to our B.Sc. Mathematics students,teachers,researchers through Google Meeting held on Monday, 7<sup>th</sup> March 2022.
- ✚ Organised guest lecture of **Hon. Professor Dr. Krishnan Sivasubramanian** , Department of Mathematics, **IIT Bombay**,Mumbai ,Maharashtra using webinar on Topic “**Introduction to linear algebraic Combinatorics**” to our B.Sc. Mathematics students,teachers,researchers through Google Meeting held on Wednesday, 16<sup>th</sup> March 2022.
- ✚ Organised guest lecture of **Hon. Mr. G.L. Sonawane**, Department of Mathematics, S.P.College,Pune ,Maharashtra using webinar on Topic ‘**Linear Algebra and its Applications**’ to our B.Sc. Mathematics students,teachers,researchers through Google Meeting held on **Monday, 6<sup>th</sup> June 2022.**
- ✚ Worked as Organising member for “**e-workshop on Fish Farming**” through Google Meeting held on 18<sup>th</sup> September 2021 .
- ✚ Organised **Mathematics Poster Competition** and Essay Competition in 2022-23.
- ✚ Organised guest lecture of **Hon. Hon. Veena Gavankar**,Mumbai ,Maharashtra using webinar on Topic “शास्त्रज्ञांची चरित्रे आणि आम्ही ” to our B.Sc. students,teachers,researchers through Google Meeting held on **Sunday, 21<sup>th</sup> August 2022.**
- ✚ **Worked as mentor for Aviskar 2022 in Mathematics subject at college Level.**

### Workshops Attended:

1. Participated a workshop on softwares regarding security of research and Thesis organized by central library, North Maharashtra University, Jalgaon in Academic year 2016-17.
2. Participated in one day workshop for College teachers on Historical Development of Mathematics" organized by Department of Mathematics, North Maharashtra University Jalgaon held on March 22, 2015.
3. Attended on Sreen Evaluation Training Workshop at P.O. Nahata, College, Bhusawal during academic year2016-17.
4. Participated in State Level Workshop on “Role of Mathematical Software in Teaching ,Learning and Research” organized by Dept of Mathematics ,KTHM College and Savitribai Phule Pune University ,Pune on 29-30 December 2017.

### Conferences Attended/Participated:

1. Attended the 77 th annul conference of Indian Mathematical Society organized by School of Mathematical Sciences, Swami Ramanand Teerth Marathwada University, Nanded, during December 27-30, 2011.
2. Research paper presented in “**International Conference on Mathematical Sciences (ICMS-2012)**”, organized by **Science College, Nagpur** during December 28-31, 2012.
3. Participated and presented a paper in State Level Conference on “Recent Trends in Mathematics and its Applications (RTMA-2013)” December 16-17, 2013, Department of Mathematics, Geetabai Dattatraya Mahajan Arts, Shri. Kesharimal Rajmal Navlakha Commerce and Manoharseth Dhariwal Science College, Jamner.
4. Participated and presented a paper in national conference on Differential equation-2015 organized by Department of Mathematics, Shivaji university, Kolhapur during January 29-30,2015.
5. **Participated as Speaker and chaired few** sessions and Presented Research Paper entitled “Approximation of solutions of a integro-difference-differential equation with nonlocal condition” accepted for presentation in Seventh International Conference on Dynamic Systems and Applications & Fifth International Conference on Neural, Parallel, and Scientific Computations to be held during May 27-30, 2015, in **Atlanta, America (U.S.A.)**.
6. Participated and research paper presented on “**Study of some Problems on Existence and Uniqueness of Solution of intergrodifferential Equation in Cone Metric Space**” in National Conference on “Role of Mathematics in Science and Technology (RMST-2017)”organized by Arts, Commerce and Science College, Bodwad on 17 /01/2017.
7. participation in the Faculty Development Program for “Global Business Foundation Skills”, conducted by Infosys BPO Ltd. at Pune from 5thJanuary to 13thJanuary, 2016.
8. Participated and research paper presented on “**Existence ,Uniqueness Theorem for intergrodifferential Equation in Cone Metric Space**” in National Conference on “Algebra ,Analysis and Number Theory (NCAANT-2018)”organized by Department of Mathematics,School of Mathematical Sciences,North Maharashtra University , on January 13-14,2017.

### Refresher and Orientation Courses:

- ✚ Participated in Orientation course at UGC-Academic Staff College, JNU,New Dehli during November 11,2014 to December 05,2014.
- ✚ Participated in “**Refresher Course in Mathematics**” during September 14,2016 to October 04,2016 organized by Academic Staff College, Central University, Hyderabad.

- ✚ Participated in Orientation course of NSS at EII Ahmadnagar College organized by Ministry of Affairs and Sports New Delhi during January 06,2014 to January 12,2014.
- ✚ Participated in “**Refresher Course in Mathematics**” during June 6,2017 to June 27 ,2017 organized by Academic Staff College, University of Dehli, New Dehli .
- ✚ Participated in Faculty Development Programmes sponsored by MHRD and Ramanujan College ,University of Delhi on "ADVANCED CONCEPTS FOR DEVELOPING MOOCS “ and "MANAGING ONLINE CLASSES and CO-CREATING MOOCS:2.0" .
- ✚ Participated in Faculty Development Programmes (FDP) sponsored by PMMMMNMTT MHRD and Ramanujan College ,University of Delhi on “Psychological Skills for Effective Teaching and Learning” during 06 - 12 January 2022.

### **Talks Delivered:**

1. Participated as a resource person in **NET/SET** coaching organized by M. J. College, Jalgaon during Dec. 7, 2017.
2. Delivered lectures in **NET/SET** coaching at Bhusawal P.O. Nahata, College, Bhusawal on March 6 , 2017.
3. Delivered lectures on “Integral Transform” at Bhusawal P.O. Nahata, College, Bhusawal on 26/08/2017.
4. Delivered Lecture on ‘Introduction to Real Analysis’ in Smt. P.K.Kotecha Mahila Mahavidyalaya,Bhusawal on 24<sup>th</sup> March 2022.
5. Delivered Online Lecture in one week **NET SET** Preparation Workshop on 21 January 2022 on topic ‘**Mathematical Reasoning and Aptitude and Logical Reasoning** ’ organized by in Smt. P.K.Kotecha Mahila Mahavidyalaya,Bhusawal.

### **Other Contribution/Participation:**

- Worked successfully as Presiding Officer at various cities/villages various Election of our country like Loksabha,Z.P. and P.S. Samiti from 2010 to till date.
- Guided to the students for preparing for MPSC-UPSC regarding difficulties in Mathematics also showed interviews of various IAS ,IPS, Officers like Vishwas NagrePatil etc.
- Being Sport player in Chess player upto District Level.Guided to sport Players in Chess game events in Every year.

**Dr. R. T. More**