

Dr Bhavin Patel

Curriculum Vitae

Department of Mathematics,
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Education

- 2016 **Ph.D.**, *Mathematics*, Sardar Patel University, Vallabh Vidyanagar
- 2008 **M.Phil.**, *Mathematics*, 74.00% *First Class with Distinction*, Sardar Patel University Vallabh Vidyanagar
- 2007 **M.Sc.**, *Mathematics*, 83.11% *First Class with Distinction*, Sardar Patel University Vallabh Vidyanagar
- 2005 **B.Sc.**, *Mathematics*, 78.47% *First Class with Distinction*, Saint Xavier's College, Ahmedabad, Gujarat University

Doctoral Thesis

- Title *Contribution to the Theory of 2-Normed Spaces*
- Guide Professor A.B.Patel, Department of Mathematics, Sardar Patel University, Vallabh Vidyanagar
- Co-Guide Professor S.J.Bhatt, Department of Mathematics, Sardar Patel University, Vallabh Vidyanagar

Master of Philosophy Thesis

- Title *Weights on Discrete Semi Groups and Topological Groups*
- Guide Professor H.V.Dedaniya, Department of Mathematics, Sardar Patel University, Vallabh Vidyanagar

Professional Positions

- 01/12/2012 **Assistant Professor**, GOVERNMENT SCIENCE COLLEGE, Gandhinagar to till date
- 19/05/2011 **Assistant Professor**, GOVERNMENT ENGINEERING COLLEGE, Gandhinagar to 30/11/2012

Achievements

- June 2012 **NET-CSIR-JRF**, *All India Rank 47*, for Junior research fellowship, Conducted by CSIR-UGC

- June 2009 **NET-CSIR-JRF**, *All India Rank 250*, For Junior Research Fellowship, Conducted by CSIR-UGC
- December 2007 **NET(National Eligibility Test)**, For Junior Research Fellowship, Conducted by CSIR-UGC
- March 2008 **GATE(Graduate Aptitude Test in Engineering)**, *All India rank 108*, Conducted by Indian Institute of Technology, Bangalore

Publications

- 1 The Hyers-Ulam Stability of an Additive And Quadratic Functional Equation in 2-Banach Space, *Electronic Journal of Mathematical Analysis and Applications*, Vol. 12(2) July 2024, No.10.ISSN: 2090-729X (online) ISSN: 3009-6731(print)
- 2 Further Results on Sum Cordial Graphs, *Malaya J. Mat.* 3(2):175-181, 2015 [ISSN: 2319-3788].
- 3 Coupled Coincidence And Coupled Fixed Point Theorems for a Pair of Mappings, *Mathematics Today*, 30:65-74, June-2015 [ISSN 0976-3228].
- 4 Stability of a Quartic and Additive Functional Equations in a 2-Banach Space, *Int. Journal of Mathematics and Soft Computing*, 4(2):19-31, 2014 [ISSN 2249-3328].
- 5 Some Results on Sum Cordial Graphs, *Communications in Optimization Theory*, 6, 2014 [ISSN 2051-2953].
- 6 Sum Cordial Labeling of Graphs, *J. Math. Comput. Sci.* 4(5):879-891, 2014 [ISSN: 1927-5307].
- 7 Stability of Euler-Lagrange Quadratic Functional Equations in 2-Banach Space, *International Journal of Pure and Applied Mathematical Sc*, 6(4):333-353, 2013 [ISSN 0972-9828].
- 8 Stability of Quadratic Functional Equations in 2-Banach Space, *Gen. Math. Notes*, 15(2):1-13, 2013 [ISSN 2219-7184].
- 9 Stability of Quartic Functional Equations in 2-Banach Space, *Int. Journal of Math. Analysis*, 7(23):1097-1107, 2013 [ISSN 1312-8876].
- 10 The Hyers-Ulam Stability of a Generalized Additive And Quadratic Functional Equation in 2-Banach Space, *Mathematics Today*, 29:1-11, June- Dec-2013 [ISSN 0976-3228].

Talks Delivered

- 1 Actively participated and delivered talk (1 Hour 30 Minutes) on "Problems on Linear Algebra" in the National Workshop on Problem Solving in Mathematics - XII on 13/02/2024 organized by the Department of Mathematics, Sardar Patel University, Vallabh Vidyanagar, Gujarat, India during 12th-17th February, 2024.
- 2 Conducted one training session of 1 hour entitled "How to prepare examination for JAM?", in 8th Workshop on Problem Solving and Enrichment in Mathematics sponsored by Gujarat Ganit Mandal, Ahmedabad Ganit Mandal, Prof. A. R. Rao Foundation, Prof. A. M. Vaidya Foundation, Mr. Shivam Patel, Madhava Mathematics Competition Fund (Gujarat Region) organized by Department of Mathematics, St. Xavier's College (Autonomous), Ahmedabad, held during December 24, 2022 to December 27, 2022.
- 3 Delivered expert lecture on the topic "A Talk on Some Postulates in Geometry" held on 7th September, 2022 organized by the Department of Mathematics, at Samarpan Science and Commerce College, Gandhinagar.
- 4 Conducted a problem solving session from 11.15 am to 12.00 noon on 24/12/2019 entitled "Several Problems in Mathematics" in 6th Workshop on PROBLEM SOLVING and ENRICHMENT IN MATHEMATICS, sponsored by Ahmedabad Ganit Mandal, Professor AR Rao Foundation

and Madhava Mathematics Competition Fund of Gujarat region organized by Department of Mathematics, St. Xavier's College (Autonomous), Ahmedabad during 24th December, 2019 to 27th December, 2019.

- 5 Conducted a problem solving session from 12:00 noon 01.30 pm on 26th December, 2018 entitled "Various Problems on Mathematics" in 5th Workshop on PROBLEM SOLVING and ENRICHMENT IN MATHEMATICS, which is sponsored by Ahmedabad Ganit Mandal, Professor AR Rao Foundation and Madhava Mathematics Competition Fund of Gujarat region organized by Department of Mathematics, St. Xavier's College (Autonomous), Ahmedabad during 26th December, 2018 to 29th December, 2018.
- 6 Conducted two sessions of one and half hour each on Date 28th January 2017 in the Workshop on Problem Solving in Mathematics organized at and by the Department of Mathematics, S P University, Vallabh Vidyanagar, during 25-30 January 2017 under UGC-SAP-DRS-III. Topic was "Problems from NET and NBHM exams".
- 7 Conducted one problem solving session from 10:30 am 11.45 am on 24th December, 2017 entitled "Various Problems on Analysis" in 4th State Level Workshop on PROBLEM SOLVING and ENRICHMENT IN MATHEMATICS, which is sponsored by Ahmedabad Ganit Mandal, Professor A R Rao Foundation and Madhava Mathematics Competition Fund of Gujarat region organized by Department of Mathematics, St. Xavier's College (Autonomous), Ahmedabad during 24th December, 2017 to 27th December, 2017.
- 8 Conducted a session from 12:00 01.15 pm on 30th December, 2016 entitled "Some Interesting Problem from JAM/NBHM Exame and participated in the 3rd Workshop on PROBLEM SOLVING and ENRICHMENT IN MATHEMATICS, which is sponsored by Ahmedabad Ganit Mandal, Professor AR Rao Foundation and Madhava Mathematics. Competition Fund of Gujarat and Rajasthan region and organized by Department of Mathematics, St. Xavier's College (Autonomous), Ahmedabad during 27th December, 2016 to 30th December, 2016.
- 9 Conducted a session from 12:00 noon-01.15 pm on 1st January, 2016 entitled "Some Problems on Algebra, Analysis and Calculus" in the 2nd Workshop on PROBLEM SOLVING and ENRICHMENT IN MATHEMATICS, which is sponsored by Ahmedabad Ganit Mandal, Professor AR Rao Foundation and Madhva Mathematics Competition Fund of Gujarat region and organized by Department of Mathematics, St. Xavier's College (Autonomous), Ahmedabad during 31st December, 2015-1" January, 2016.
- 10 Problem Solving in Mathematics organized by Department of Mathematics, Sardar Patel University, Vallabh Vidyanagar during 20-26 December, 2011.
- 11 Actively participated and conducted two sessions in the Fourth Workshop on Problem Solving in Mathematics organized at and by the Department of Mathematics, Sardar Patel University, Vallabh Vidyanagar during 28 January-03 February, 2010 under UGC-SAP-DRS Programme.
- 12 Actively participated and conducted one session in the Workshop on Problem Solving in Mathematics (For Students Preparing for UGC- CSIR NET JRF) organized at and by the Department of Mathematics, Sardar Patel University, Vallabh Vidyanagar during 24-29 January 2009 under UGC-SAP-DRS.

Training Taken

- 1 Orientation Program at HRDC, Gujarat University, Ahmedabad, May 30 to June 26, 2016.
- 2 Refresher Course in Nano-Technology at HRDC, Gujarat University, Ahmedabad, November 7 to November 27, 2016.
- 3 Completed Certificate course on Comprehensive Online Intellectual Property Rights (IPR) organized

- by Gujarat Student Startup and Innovation Hub (i-Hub) during 6/07/2020 to 14/09/2020.
- 4 Completed online UDAYAM (Unlimited Digital Advanced Yearlong Academic Method of Learning) E-Content Development Course dated 28/07/2020 to 18/08/2020 jointly organised by Knowledge Consortium of Gujarat, Ahmedabad and HRDC, Gujarat University.
 - 5 Completed Refresher Course in the Subject Mathematics held from 18th January 2021 to 1st February 2021 by online mode as per the UGC guidelines organized by HRDC, BANGALORE UNIVERSITY.
 - 6 Successfully completed online two-week interdisciplinary refresher course in "REVITALIZING LIFESTYLE THROUGH YOGA PRACTICE" from 04-18 October, 2021 organized by Teaching Learning Centre, Ramanujan College University of Delhi in collaboration with DEPARTMENT OF PHYSICAL EDUCATION AND SPORTS SCIENCES under the aegis of MINISTRY OF EDUCATION PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING.

Paper Presentation/Seminar/Workshop/Conference Attended

- 1 Presented a paper titled "Cube Divisor Cordial Labeling in the Context of Join" on June 8, 2019 in the 15th Annual Conference of the Academy of Discrete Mathematics and Applications (ADMA) organized by the Department of Mathematics, CHRIST(Deemed to be University), Bengaluru during 8-10, June 2019.
- 2 Attended National Seminar on Functional Analysis and Harmonic Analysis held at the Department of Mathematics, Sardar Patel University, Vallabh Vidyanagar 388120, during 16 - 18 January 2017 sponsored by UGC under UGC-SAP-DRS-III. Also presented Research Paper entitled "Coupled fixed and coupled coincidence and point theorems".
- 3 Participated and attended hands on training session on Mathematical Software in the UNIVERSITY GRANTS COMMISSION Sponsored One Day State Level Seminar on "ADVANCES IN MATHEMATICAL SCIENCES" held on, February 14, 2015.
- 4 Attended a National Seminar on "Analysis, Geometry, and Applications" held at the Department of Mathematics, Sardar Patel University, Vallabh Vidyanagar - 388120, during 07-08 March 2013 sponsored by UGC under UGC-SAP-DRS-II also presented his Research Paper entitled "Stability of Quartic Functional Equations in 2- Banach spaces".
- 5 Attended "Project Demonstration on Differential Equations" organized by L.D. College of Engineering, Ahmedabad on 16th July, 2011.
- 6 Attended 3rd GSA-VVN CSC ANNUAL SCIENCE MEET at Department of Physics, Sardar Patel University on 17 February, 2008.
- 7 Participated in 'The Workshop on Problem Solving in Mathematical Analysis and Related Areas' organized at the Department of Mathematics, Sardar Patel University during 21-26 February 26, 2008.
- 8 Participated in the Workshop on Problem Solving in Mathematics organized at the Department of Mathematics, Sardar Panel University, Vallabh Vidyanagar during December 27, 2006 to January 1, 2007.

Other Academic Activities

- 1 Served as member of the Board of Studies (BoS) for B.Sc. Mathematics, Faculty of Science Applied Science for three years (from 05-06-2024 to 04-06-2027) at Gujarat Vidyapith. Ahmedabad.
- 2 Served as the member of the Board of Studies of Mathematics Department at St Xavier's College (Autonomous). Ahmedabad from August 2018 to till date.

Other Extension Activities

- 1 Serving as Sector Officer duty route number 25, 36-Gandhinagar Assembly since April 2021 to till date.

Languages

Gujarati Mother tongue
Hindi Intermediate
English Intermediate

Interests

- Spiritual Reading, Yog, Meditation