

Curriculum Vitae

V.B. Kiran Kumar



Official Address

Assistant Professor
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Personal Information

Date of Birth : 20 May, 1984
Gender : Male
Nationality : Indian
Permanent Address : Aiswarya House, Naderi P.O., Kozhikode Dist., Kerala-673620, India

Research Interests

Functional Analysis, Spectral Theory, Approximation Theory.

Education

Ph.D. in Mathematics (March 2013)

Cochin University of Science and Technology, Cochin, India (January 2009 - November 2012)
Thesis Title : Spectral Analysis of Bounded Self-adjoint Operators
A Linear Algebraic Approach.

Thesis Advisor : Prof. M.N.N. Namboodiri.

M.Sc. in Mathematics (May 2008), First Class with Distinction

Cochin University of Science and Technology, Kerala with CGPA 08.94 (2006- 2008).

B.Sc. in Mathematics (April 2006), First Class with Distinction

University of Calicut, Kerala with 87.6% Marks.

Publications

- (1) **Wolfram Bauer, V. B. Kiran Kumar, Rahul Rajan.** *Korovkin-type theorems on $B(H)$ and their applications to function spaces*, The Monatshefte für Mathematik (2021)
- (2) **V. B. Kiran Kumar, M. N. N. Namboodiri, and Rahul Rajan.** *A short survey on preconditioners and Korovkin-type theorems*, The Journal of Analysis (2019) (Springer).
- (3) **Deepesh K.P., V. B. Kiran Kumar.** *Approximation of entropy numbers*, Complex Anal. Oper. Theory 13 (2019), no. 7, 3429–3440. .
- (4) **V. B. Kiran Kumar, M. N. N. Namboodiri, and Rahul Rajan,** *A Korovkin-type theory for non-self-adjoint Toeplitz operators*, Linear Algebra Appl., **543:140–161, 2018.**
- (5) **V. B. Kiran Kumar and G. Krishna Kumar,** *A note on discrete Borg-type theorems. Linear and Multilinear Algebra*, **66(7):1418–1433, 2017.**

- (6) **Sabu Sebastian and V. B. Kiran Kumar**, *Real powers of bounded linear operators*, Int. J. Appl. Comput. Math., **3(2):645–650**, 2017.
- (7) **V. B. Kiran Kumar**, *Preconditioners in spectral approximation*, Ann. Funct. Anal., **7(2):326–337**, 2016.
- (8) **V. B. Kiran Kumar**, *Truncation method for random bounded self-adjoint operators*, Banach J. Math. Anal., **9(3):98–113**, 2015.
- (9) **V. B. Kiran Kumar**, *Spectral approximation of bounded self-adjoint operators - a short survey*, Semigroups, algebras and operator theory, volume 142 of Springer Proc. Math. Stat., pages **185–203**, Springer, New Delhi, 2015.
- (10) **V. B. Kiran Kumar, M. N. N. Namboodiri, and S. Serra-Capizzano**, *Preconditioners and Korovkin-type theorems for infinite-dimensional bounded linear operators via completely positive maps*, Studia Math., **218(2):95–118**, 2013.
- (11) **V. B. Kiran Kumar, M. N. N. Namboodiri, and S. Serra-Capizzano**, *Perturbation of operators and approximation of spectrum*, Proc. Indian Acad. Sci. Math. Sci., **124(2):205–224**, 2014.
- (12) **L. Golinskii, V. B. Kiran Kumar, M. N. N. Namboodiri, and S. Serra-Capizzano**, *A note on a discrete version of Borg's theorem via Toeplitz-Laurent operators with matrix-valued symbols*. Boll. Unione Mat. Ital. (9), **6(1):205–218**, 2013.

Conference Proceedings

- (1) **V. B. Kiran Kumar**, *Discrete Borg-Type theorems* Proceedings of the National Seminar on Topology and Analysis (NSOTA 2014), organized by Dept. of Mathematics, St. Paul's college, Cochin, 09-10 October 2014.
- (2) **V. B. Kiran Kumar**, *Preconditioners in Spectral Approximation* Proceedings of the National Seminar on Mathematical Analysis and Algebra (MAA 2013) organized by Dept. of Mathematics, PRNSS College, Mattammur, 05-06 September 2013.

Preprints and ongoing projects

- (1) **V.B. Kiran Kumar, M. N. N. Namboodiri, Stefano Serra-Capizzano, Mariarosa Mazza** *Korovkin-Type Theorems, Preconditioners and Complete Positivity* (Monograph in Preparation)
- (2) **V. B. Kiran Kumar, Lexy Alexander, M.N.N. Namboodiri, A. Noufal** *Generalized Preconditioners of Singular Block Toeplitz Matrices* (Under Preparation).

Research/Teaching Experience

- **Principal Investigator, KSCSTE Project, Rs. 14,25,000/–** (2021 – 24)
- **Principal Investigator, UGC Start-up Research Grant, Rs. 10,00,000/–** (2017 – 19) Cochin University of Science and Technology, Cochin, India.
- **Assistant Professor** (24 July 2015-till date) Cochin University of Science and Technology, Cochin, India.
- **Assistant Professor** (14 March 2014-23 July 2015) PSMO College Tirurangadi, India.
- **Visiting Scientist** (October 2013-March 2014) Kerala School Of Mathematics, Kozhikode, Kerala, India.
- **Assistant Professor** (05 November 2012-02 September 2013) University of Calicut, Kerala, India.
- **CSIR Research Fellow** (January 2010-November 2012) Cochin University of Science and Technology, Cochin, India.
- **KSCSTE Research Fellow** (January 2009-January 2010) Cochin University of Science and Technology, Cochin, India.
- **Guest Lecturer**(31.07.2008 – 08.01.2009) Nirmalagiri College, Koothuparamba, Thalassery, Kerala.

Research Grants, Scholarships and Awards

- (1) Kerala State Young Scientist Award 2017 by KSCSTE, Govt. of Kerala.
- (2) UGC Start-up Research Grant, Rs. 10,00,000/–
- (3) National Board for Higher Mathematics(NBHM)-Postdoctoral Fellowship 2013.
- (4) CSIR JRF 2009.

- (5) KSCSTE Research Fellowship 2008.

Courses Taught

- M. Phil/Ph.D Course work : Topics in Analysis, Banach Algebras, Advanced Spectral Theory
- M.Sc.: Functional Analysis, Complex Analysis, Banach Algebra & Spectral Theory, Linear Algebra, Differential Geometry, Partial Differential Equations, Probability Theory, Advanced Linear Algebra.
- B.Sc.: Real Analysis (2014 – 2015).

MOOC Courses/ E-contents

- Moodle Course: Complex Analysis: <https://moodle.cusat.ac.in/course/view.php?id=336>
- Google Classroom: Complex Analysis: <https://classroom.google.com/u/0/c/MTIxNzg5NDI5NDk1>
- Google Classroom: Probability Theory: <https://classroom.google.com/u/1/c/NTAxNTAzNzg5OTha>
- Video Lectures on various topics: <https://www.youtube.com/watch?v=-2Ktm-5ScGg>

Online Courses

- SWAYAM NPTEL Course: Measure Theory, offered by Indian Institute of Sciences, Bangalore.
- COURSERA Course: Mathematics for Machine Learning; Linear Algebra, offered by Imperial College, London.
- COURSERA Course: Mathematics for Machine Learning; Multivariate Calculus, offered by Imperial College, London.
- COURSERA Course: Introduction to Complex Analysis, offered by Wesleyan University, US.

Research Guidance

- Ph.D (Completed) : 1.
- Ph.D (Ongoing) : 3.
- MPhil. : 7 completed, 1 ongoing.

Conferences/ Seminars/ Workshops

International (Organized/Co-organized)

- (1) International Conference on Semigroups and its Applications (ICSAA-2019), held at Department of Mathematics, CUSAT 9-12 December 2019 (Organizing Committee Member).
- (2) Lecture series and Research discussions of Prof. Wolfram Bauer(Leibnitz University Hannover, Germany), under the Erudite Scholar in Residence program by Kerala State Higher Education Council during February 2018.
- (3) International Conference on Recent Trends in Graph Theory and Combinatorics (ICRTGC-2018), Department of Mathematics, Cochin University of Science and Technology, April 26-29, 2018 (Organizing Committee Member).
- (4) Indian Women and Mathematics (IWM) regional mini workshop at Cochin University of Science and Technology (CUSAT), Cochin, Kerala during 2-3 January, 2018 (Organizing Committee Member).
- (5) International Workshop on Leavitt Path Algebras and K-Theory, Department of Mathematics, Cochin University of Science and Technology, July 1-3, 2017 (Organizing Committee Member).
- (6) International Conference on Semigroups Algebra and operator Theory (ICSAOT 2014), organized by Dept. of Mathematics, CUSAT, Cochin, 26-28 February 2014 (Organizing Committee Member).

National (Organized/Co-organized)

- (1) Research Workshop on Wavelets and Frames, Department of Mathematics, Cochin University of Science and Technology (CUSAT), Cochin, Kerala during 24-26 March 2018 (Coordinator).
- (2) Two-days training programme for M.Sc. Students Department of Mathematics, Cochin University of Science and Technology, during 04-05 February, 2017(Coordinator).
- (3) Research Workshop on Analysis, Department of Mathematics, Cochin University of Science and Technology (CUSAT), Cochin, Kerala during 25-28 July 2016 (Coordinator)

International (Attended)

- (1) International Conference in honor of Prof. K. B. Sinha (KBS Fest), held at Indian Statistical Institute Bangalore 12-14 December 2019.

- (2) International Conference on Semigroups and its Applications (ICSAA-2019), held at Department of Mathematics, CUSAT 9-12 December 2019.
- (3) International Conference on Matrix Analysis and its Applications (MAT-TRIAD-2019), held at Liblice, Czech Republic 08-13 September, 2019.
- (4) International Workshop on Operator Theory and its Applications (IWOTA-2019), held at Instituto Superior Tecnico, Lisbon, Portugal 22-26 July, 2019.
- (5) International Workshop cum Conference on Analysis and its Application in honour of Prof. S.H. Kulkarni, held at Department of Mathematics, IIT Madras, 18-22 June 2018.
- (6) International Workshop on Recent Advances in Operator Semigroups held at Department of Mathematics, University of Delhi, 18-21 December 2017.
- (7) Conference on Functional Analysis@ IIT Bombay organized by Department of Mathematics, Indian Institute of Technology, Mumbai, India, 12-15 October, 2017.
- (8) International Workshop on Operator Theory and its Applications (IWOTA 2017), held at Technical University, Chemnitz, Germany, 14-18 August, 2017.
- (9) International Workshop on Leavitt Path Algebras and K-Theory, Department of Mathematics, Cochin University of Science and Technology, July 1-3, 2017.
- (10) International Conference on Recent Advances in Operator Theory and Operator Algebra (OTOA-2016), December 2016 organized by Indian Statistical Institute, Bangalore.
- (11) International Conference on Functional Analysis (in honor of TSSRK Rao) 22-24 September, 2016 organized by Indian Statistical Institute, Bangalore.
- (12) International Conference on Semigroups Algebra and its Applications (ICSAA 2015), organized by Dept. of Mathematics, CUSAT, Cochin, 17-19 September 2015.
- (13) International Conference on Semigroups Algebra and operator Theory (ICSAOT 2014), organized by Dept. of Mathematics, CUSAT, Cochin, 26-28 February 2014.
- (14) International Conference on Operator and Spectral theory, Operator algebras, Non-commutative Geometry and Probability (in honor of Prof. K. B. Sinha) at Kerala School of Mathematics, Kozhikode, Kerala, 07-14 February 2014.
- (15) International Workshop on Operator Theory and its Applications (IWOTA 2013), held at the Indian institute of Sciences, Bangalore 16-20 December 2013.
- (16) Operators And Matrices Conference in honour of Prof. Rajendra Bhatia held at the Indian institute of Sciences, Bangalore 27-30 December 2012.
- (17) International Congress of Mathematicians, 2010 held during 19-27 August 2010 at Hyderabad.
- (18) ICM Satellite Conference on Functional Analysis and Operator Theory held during 08-11 August 2010, at Indian Statistical Institute, Bangalore.
- (19) ICM Satellite Conference on Quantum systems held at the Institute of Mathematical Sciences, Chennai during 14-18 August 2010.
- (20) II Indo-Brazilian symposium in Mathematics at Centre for Applicable Mathematics, TIFR Bangalore, during 14-18 December 2009.
- (21) Conference on Analysis and its Applications held during May 25-27, 2009 at Indian Institute of Science, Bangalore.
- (22) International Seminar on Recent Trends in Topology and its Applications held at the Dept. of Mathematics, St. Josephs College, Irinjalakuda during March 19-21, 2009.

National (Attended)

- (1) Refresher course for teachers on the topic "Harmonic Analysis on Compact Groups" November 22-25 at Kerala School of Mathematics, Kozhikode.
- (2) Refresher Course for College teachers in Mathematical Sciences organized by the Academic Staff College, Kannur University, March 1-21, 2018
- (3) National Seminar organized by the Department of Mathematics, KKTU Govt. College, Chalakkudi, Kerala, 10.10.2018-11.10.2018.
- (4) National Seminar organized by the Department of Mathematics, Govt. Brennen College, Thalassery, Kerala, 28.09.2018-29.09.2018.

- (5) National Seminar organized by the Department of Mathematics, Mar Ivanios College, Thiruvananthapuram, Kerala, 17.01.2018-19.01.2018.
- (6) National Seminar organized by the Department of Mathematics, Govt. BJM College, Chavara, Kerala, 09.11.2017-10.11.2017.
- (7) National Seminar organized by the Department of Mathematics, Govt. Victoria College, Palakkad, Kerala, 02.11.2017-03.11.2017.
- (8) Research Colloquium on Functional Analysis Conducted by College of Engineering Trikaripur, Kasaragod on 25.02.2017.
- (9) National Seminar organized by the Department of Mathematics, Govt. College, Madappally, Kerala, 06.12.2016-07.12.2016.
- (10) National Seminar organized by the Department of Mathematics, Maharajas Govt. College, Ernakulam, Kerala 04-05 February 2016.
- (11) Refresher Course for College teachers on Linear Algebra in Control Theory An Introduction held at Kerala School of Mathematic from 20-23 October, 2016.
- (12) National Seminar on Spectral theory organized by the Department of Mathematics, DB College, Vaikom, Thalayolaparamba, Kerala on 17.07.2015.
- (13) National Seminar organized by the Department of Mathematics, Govt. College, Kasaragod, Kerala on 15-16 December 2015.
- (14) National Seminar organized by the Department of Mathematics, Panampilly Memorial Govt. College, Chalakudy, Kerala 10-11 December 2015.
- (15) Refresher Course for College teachers on Differential Geometry held at Kerala School of Mathematic from 18-21 October, 2015.
- (16) National Seminar on Topology and Analysis organized by Dept. of mathematics, St. Pauls college, Cochin, 09-10 October 2014.
- (17) Workshop on Spectral Analysis and Applications organized by department of Mathematics, NITK, Surathkal during February 14-16, 2013.
- (18) National Seminar on Mathematical Analysis and Algebra, organized by Dept. of Mathematics, PRNSS College, Mattammur, 05-06 September 2013.
- (19) National Seminar on Topology and Geometry organized by Dept. of mathematics, TMG college, Tirur, on 11.10.2013.
- (20) Winter School on Functional Analysis, organized by IMSC Chennai and ISI Delhi at Indian Statistical Institute, Delhi centre during 06 Dec to 17 Dec 2010.
- (21) Lecture Series on Quantum Field Theory, given by Prof. K.B.Singha, at ISI Kolkata during July 25-27, 2011.
- (22) Workshop on Analysis and its Applications held during May 14-23, 2009 at Indian Institute of Science, Bangalore.
- (23) Workshop on Control and Inverse Problems held during December 01-15, 2009 at Indian Institute of Science, Bangalore.
- (24) Workshop on Functional Analysis held during 28 June to 16 July 2010 at the Institute of Mathematical Sciences, Chennai.
- (25) Workshop on Functional Analysis and Harmonic Analysis June 1-10, 2011 at Kerala School of Mathematics, Kozhikode.
- (26) Instructional Workshop on Ergodic Theory held during October 17 to November 04, 2011 at Kerala School of Mathematics, Kozhikode.
- (27) Winter School on Functional Analysis, organized by IMSC Chennai and Dept. of Mathematics CUSAT during 28 Nov- 15 Dec 2011.
- (28) National Seminar on Functional Analysis, organized by Dept. of Mathematics, University of Calicut on February 26th and 27th 2010.

Talks given

- (1) Series of lectures in the Compact Course on Algebra and Analysis sponsored by Ramanujan Mathematical Society 27 January 2021 to 5 February 2021.

- (2) Invited talk in the National Webinar Series on Singular Value Decomposition, organized by the Department of Mathematics, Fatima Mata National College, Kollam on 05 November 2020.
- (3) Invited talk in the National Webinar Series on Singular Value Decomposition, organized by the Department of Mathematics, Sree Sankara Vidyapeetom College, Perumbavoor on 22 October 2020.
- (4) Invited talk in the Webinar Series on Some Topics in Functional Analysis organized by the Department of Mathematics, St. Aloysius College Edathua on 14 September 2020.
- (5) Invited talk in the One Day National Seminar on Functional Analysis and Wavelet Theory at he Department of Mathematics, St. Thomas College Kozhencherry on 28 February 2020.
- (6) Invited talk in the National Workshop on Algebra and Analysis at he Department of Mathematics, SSV College Perumbavoor on 24 January 2020.
- (7) Invited Talk on the topic "Toeplitz Operators" at the National Workshop and Seminar on Functional Analysis (NWSFA-2019), held at the Department of Mathematics, SB College Changassery, 02-06 December, 2019.
- (8) Invited lecture in the 'Four day Foundation School for Undergraduates organized by Kerala School of Mathematics at Govt. College Kasaragod, 20-23 November 2019.
- (9) Invited lecture in the Mathematics Colloquium organized by Department of Mathematics, Central University of Kerala on 28 October 2019.
- (10) Invited lecture in the National Seminar on Linear Algebra and Its Applications at he Department of Mathematics, Govt. College Mokeri on 25 October 2019.
- (11) Contributed Talk on the topic "Discrete Borg-type theorems" at International Conference on Matrix Analysis and its Applications (MAT-TRIAD 2019), held at Liblice, Czech Republic 08-13 September, 2019.
- (12) Contributed Talk on the topic "Spectral Approximation of Family of Operators" at International Workshop on Operator Theory and its Applications (IWOTA-2019), held at Instituto Superior Tecnico, Lisbon, Portugal 22-26 July, 2019.
- (13) Invited lecture at he Department of Mathematics, Scott Christian College, Nagercoil, Tamilnadu, 11 April 2019.
- (14) Invited lecture on the topic Complex Analysis at he Department of Mathematics, St. Joseph's College, Devagiri, Kozhikode, Kerala, 22 March 2019.
- (15) Invited lecture on the topic Matrix Representation of Linear Transformations on Vector Spaces at the national seminar organized by the Department of Mathematics, Sreenarayanaguru College, Coimbatore, Tamilnadu, 11 February 2019.
- (16) Invited lecture on the topic Matrix Representation of Linear Transformations on Vector Spaces at the national seminar organized by the Department of Mathematics, Pavanatma College Murickassery Idukki, Kerala, 8 February 2019.
- (17) Invited lecture on the topic Introduction to Linear Algebra at the 3-day state level workshop organized by the Department of Mathematics, Gurudev Arts and Science College Payyannur, Kerala, 3-5 January 2019.
- (18) Invited lecture on the topic Banach algebras at the National Seminar organized by the Department of Mathematics, KKTU Govt. College, Chalakkudi, Kerala, 10.10.2018-11.10.2018.
- (19) Invited lecture on the topic Introduction to Banach algebras at the National Seminar organized by the Department of Mathematics, Govt. Brennen College, Thalassery, Kerala, 28.09.2018-29.09.2018.
- (20) Invited lecture on the topic Linear Equations at the Department of Mathematics, Aquinas College, Edakochi, Kerala, 05.09.2018.
- (21) Invited lecture on the topic Recent Trends in Mathematics at the National Mathematics Day celebrations organized by the Department of Mathematics, St. Marys College Thrissur, Kerala, 10.08.2018.
- (22) Invited lecture on the topic Weierstrass Approximation Theorem at the Two day Lecture series organized by the Department of Mathematics, SB College Changanassery, Kerala, 01.08.2018-02.08.2018.
- (23) Invited lecture on the topic Operators on Banach Spaces at the National Seminar organized by the Department of Mathematics, Mar Ivanios College, Thiruvananthpuram, Kerala, 17.01.2018-19.01.2018.
- (24) Invited lecture on the topic Operators on Hilbert Spaces at the National Seminar organized by the Department of Mathematics, Govt. BJM College, Chavara, Kerala, 09.11.2017-10.11.2017.
- (25) Invited lecture on the topic Korovkin-type Theorems at the National Seminar organized by the Department of Mathematics, Govt. Victoria College, Palakkad, Kerala, 02.11.2017-03.11.2017.

- (26) Contributed Talk on the topic "Infinite Dimensional Preconditioners" at International Workshop on Operator Theory and its Applications (IWOTA 2017), held at Technical University, Chemnitz, Germany, 14-18 August, 2017.
- (27) Invited lecture on the topic Linear Algebra at Devaswom Board Pampa College, Parumala on 03.08.2017 (Prof. Venu Gopalan Memorial Lecture).
- (28) Invited lecture on the topic "Infinite Dimensional Preconditioners" at Research Colloquium on Functional Analysis Conducted by College of Engineering Trikaripur, Kasaragod on 25.02.2017.
- (29) Invited lecture on the topic Wavelet Bases at the Department of Mathematics,SNM College, Malliankara, Kerala on 17.02.2017.
- (30) Invited lecture on the topic Bases and their Applications at the National Seminar organized by the Department of Mathematics, Govt. College, Madappally, Kerala, 06.12.2016-07.12.2016.
- (31) Invited lecture on the topic Vector Calculus in MATHLET Programme organized by the Department of Mathematics, Panampilly Memorial Govt. College, Chalakudy, Kerala on 11.11.2016.
- (32) Invited lecture on the topic Korovkin-type Theorems at the National Institute of Technology Karnataka, Surathkal on 25.02.2016.
- (33) Invited lecture on the topic Banach Algebras at the National Seminar organized by the Department of Mathematics, Maharajas Govt. College, Ernakulam, Kerala on 05.02.2016.
- (34) Invited lecture on the topic Zabreikovs Theorem and its Applications at the National Seminar organized by the Department of Mathematics, Govt. College, Kasaragod, Kerala on 16.12.2015.
- (35) Invited lecture on the topic Sturm Liouville Problem at the National Seminar organized by the Department of Mathematics, Panampilly Memorial Govt. College, Chalakudy, Kerala on 11.12.2015.
- (36) Invited lecture on the topic Application of various Bases organized by the Department of Mathematics, St. Thomas College, Thrissur, Kerala on 28.09.2015.
- (37) Invited lecture on the topic Mathematical Reformulation of Quantum Mechanics at the the Department of Mathematics, BCM College, Kottayam, Kerala on 11.08.2015.
- (38) Invited lecture on the topic Finite Dimensional Spectral Theorem at the National Seminar on Spectral theory organized by the Department of Mathematics, DB College, Vaikkom, Thalayolaparamba, Kerala on 17.07.2015.
- (39) Invited lecture on the topic Recent Developments in Korovkin type theorems at the International Conference on Operator and Spectral theory, Operator algebras, Non-commutative Geometry and Probability at Kerala School of Mathematics, Kozhikode, Kerala, 07-14 February 2014.
- (40) Invited lecture on the topic Discrete Borg-type Theorems at the National Seminar on Topology and Analysis at organized by Dept. of mathematics, St. Pauls college, Cochin, 09-10 October 2014.
- (41) Invited lecture on the topic Banach spaces at Dept. of Mathematics, U.C. College, Aluva on 03 March 2014.
- (42) Contributed talk on the Spectral Approximation of bounded self-adjoint operators a short survey in the International Conference on Semigroups Algebra and operator Theory (ICSAOT 2014), organized by Dept. of Mathematics, CUSAT, Cochin, 26-28 February 2014).
- (43) Contributed talk on the topic Truncation method for bounded random self-adjoint operators in the thematic session of International Workshop on Operator Theory and its Applications (IWOTA 2013), held at the Indian institute of Sciences, Bangalore 16-20 December 2013.
- (44) Invited lecture on the topic Fourier Series From Heat conduction to theory of numbers at Dept. of Mathematics, TMG college, Tirur, on 01 October 2013.
- (45) Contributed talk on the topic Preconditioners in Spectral Approximation in the National Seminar on Mathematical Analysis and Algebra (MAA 2013), organized by Dept. of Mathematics, PRNSS College, Mattammur, 05-06 September 2013.
- (46) Invited lecture on the topic Interplay between Algebra and Analysis at Dept. of mathematics, Nirmalagiri college, Thalassery on 21.10.2013.
- (47) Invited lecture on the topic Introduction to Calculus at the Dept. of Mathematics, CUSAT, in the Enrichment Program for Higher Secondary students, organized by the Old Students Association, Dept. of Mathematics, CUSAT on 19.11.2011.

- (48) Invited lecture on the topic Linear Algebra - Done Right at the Dept. of Mathematics, CUSAT , in the Enrichment Program for B.Sc Mathematics students, organized by the Old Students Association, Dept. of Mathematics, CUSAT on 13.11.2010.
- (49) Delivered a lecture on the topic Approximation techniques in Spectral Theory during the Winter School on Functional Analysis (28 Nov -15 Dec 2011) held at the Dept. of Mathematics, CUSAT , organized by IMSC Chennai and Dept. of Mathematics, CUSAT.
- (50) Delivered lectures in various schools at Paravoor constituency in connection with the SASTHRAYAAN PROJECT by Govt. of Kerala in 2011.
- (51) Delivered lectures in connection with the INCULCATE PROGRAM for school students by Govt. of Kerala in 2009.

Administrative Experiences

- Coordinator of the Virtual Centre : Advanced Research in Basic Science, CUSAT from January 2019 to January 2021.
- IQAC Member, CUSAT, 2018-19.
- Head of the Department, Department of Mathematics, CUSAT from November 2017 to July 2018.
- Regional Coordinator for M. A. and M.Sc. Scholarship Test conducted by National Board for Higher Mathematics (NBHM).
- Regional Coordinator for Research Scholarship screening Test conducted by National Board for Higher Mathematics (NBHM).
- Regional Coordinator for Simon Marais Mathematic Competitions (SMMC conducted world wide by Simon Marais Trust based in Australia)

Last edited (May 24, 2021)