

Conference/Seminar/Workshop/STTP etc. organized and attended by Dr. R. K. Jana

Conferences: organized: **11** (03 as **Organizing Secretary** 08 as Member) attended: **32**
STTP: organized: **09** (06 as **Coordinator** 03 as member) attended: **28**
Seminars/Symposium: organized: **34** attended: **40**
Workshops: organized: **09** attended: **15**
Expert Lectures: organized: **21** delivered: **69**
Lecture Series: organized: **02** attended: **04**
Events organized at SVNIT: **15**

Conferences organized: 11

As Organizing Secretary 03

Organizing Secretary of International Conference of Special Functions and Their Applications (ICSFA 2012) held at SVNIT, Surat during June 27-29, 2012.

Joint Organizing Secretary of the 76th Annual Conference of the Indian Mathematical Society (IMS 2010) organized by Department of Applied Mathematics & Humanities, SVNIT during December 27-30, 2010.

Joint Organizing Secretary of International Conference of International Academy of Physical Sciences (CONIAPS-XIV) held at SVNIT, Surat during December 22-24, 2011.

As Member 08

Member of the organizing Committee of **1st IFIP International Conference on Bioinformatics** held at SVNIT during March 25-28, 2010.

Member of the organizing Committee of **56th Congress of Indian Society of Theoretical and Applied Mechanics (ISTAM)** held at SVNIT during December 19-21, 2011.

Programme Committee Members of **1st International Conference on Frontiers in Optimization: Theory and Applications (FOTA 2016)** held at Kolkata, India during November 24-26, 2016.

Scientific Committee Member of **International Conference of Special Functions and Their Applications (ICSFA 2017)** held at Govt. College of Engineering, Bikaner during November 2-4, 2017.

Reviewing Committee Member of **IEEE International Conference ICSET 2018 (International Conference on Smart City and Emerging Technologies)** held at Universal College of Engineering, Mumbai on 5th January, 2018.

Local Advisory Committee Member of **International Conference on Mathematical Modelling and Scientific Computing (ICMMSC-2018)** held at Indian Institute of Technology, Indore, India, during July 18-20, 2018.

Technical Program Committee Member of **2nd International Conference on Information Technology and Applied Mathematics (ICITAM 2019)** held at Haldia Institute of Technology, West Bengal, during March 07-09, 2019.

Technical Program Committee Member of **3rd International Conference on Engi-**

neering Mathematics and Computing (ICEMC 2020) held at Haldia Institute of Technology, West Bengal, during February 05-07, 2020.

Conferences attended: 32

Participated and Presented a Paper in a **National Conference on Emerging Trends in Mechanical Engineering (ETME 07)** held at SVNIT, Surat during June 4-5, 2007.

Participated in a **National Conference on Advances in Fluid Flow and thermal Sciences (AFFTS-08)** held at MED, SVNIT during May 22-24, 2008.

Participated and Presented a Paper in the **International Conference on Analysis and its Applications (ICAA-08)** held at Dept. of Mathematics, Aligarh Muslim University during November 3-5, 2008.

Participated in **75th Annual Conference of Indian Mathematical Society (IMS 2009)** held at Kalasalingam University during December 27-30, 2009.

Participated and Presented a Paper in **1st IFIP International Conference on Bioinformatics** held at AMHD, SVNIT, Surat during March 25-28, 2010.

Participated and Presented a Paper in **Ninth Annual Conference of Society for Special Functions & their Applications** during June 21-23, 2010 at School of Mathematics & Allied Sciences, Jiwaji University, Gwalior.

Participated and Presented a Paper in the **International Conference of Special Functions and Their Applications (ICSFA 2011)** held at Department of Mathematics & Statistics, J N Vyas University, Jodhpur during July 28-30, 2011.

Participated in the **56th Congress of Indian Society of Theoretical and Applied Mechanics (ISTAM)** held at SVNIT during December 19-21, 2011.

Participated and Presented a Paper in the **Spring 2012 Eastern Sectional Meeting of the American Mathematical Society** held at **George Washington University, Washington DC, USA** during March 17-18, 2012.

Participated in the **National Conference on Analysis and Applications** held at Department of Mathematics, NIT Srinagar, Jammu and Kashmir during November 19-20, 2012.

Participated and Presented a Paper in the **15th International Conference of International Academy of Physical Sciences (CONIAPS XV)** held at Rajamangala University of Technology, Thanyaburi, Thailand, during December 09 -13, 2012.

Participated in the **Askey 80 Conference on the occasion of Richard Askey's 80th birthday**, during December 6-7, 2013 at **University of Wisconsin, Madison, USA**.

Participated in the **Spring 2014 Central Sectional Meeting of the American Mathematical Society** held at **Texas Tech University, Lubbock, Texas, USA** during April 11-13, 2014.

Participated in the **Midwest Number Theory Conference** held at **University of Illinois at Urbana-Champaign, USA** during June 3-4, 2014.

Participated in the **Illinois Number Theory Conference in memory of the Batemans and Heini Halberstam**, held at **University of Illinois at Urbana-Champaign, USA** during June 5-7, 2014.

Participated in the **Poisson 2014 International Conference on Poisson Geometry in Mathematics and Physics**, held at **University of Illinois at Urbana-Champaign, USA** during August 4-8, 2014.

Participated in the **Central Fall Sectional Meeting of American Mathematical Society**, at **University of Wisconsin-Eau Claire, Eau Claire, USA** during September 20 -21, 2014.

Participated in the **International Conference on Current Developments in Mathematics and Mathematical Sciences (ICCDMMS-2014)**, organized by Calcutta Mathematical Society during December 19-21, 2014.

Participated in the **80th Annual Conference of Indian Mathematical Society (IMS 2014)**, held at Indian School of Mines, Dhanbad during December 27-30, 2014.

Participated in the **2nd International Conference on Recent Trends in Mathematics and Its Applications (ICRTMA)** at Vidyasagar University, Midnapore during March 18-19, 2015.

Participated in the **Joint Meeting of American Mathematical Society (AMS), European Mathematical Society (EMS) and Portuguese Mathematical Society (SPM)** at **University of Porto, Portugal** during June 10-13, 2015.

Participated and delivered an invited talk in the **International Conference on Special Functions and Their Applications (ICSFA 2015)** held at Amity University, Noida.

Participated in the **81st Annual Conference of Indian Mathematical Society (IMS 2015)**, held at VNIT, Nagpur during December 27-30, 2015.

Participated and delivered an invited talk in the **International Conference on Special Functions and Their Applications (ICSFA 2016)** held at Jamia Millia Islamia, New Delhi during September 9-11, 2016.

Participated and delivered a talk in the **International Conference on Mathematical Analysis and its Applications (ICMAA-2016)** held at IIT Roorkee during November 28 - December 02, 2016.

Participated and delivered a talk in the **International Conference on Special Functions and Their Applications (ICSFA 2017)** organized by Government College of Engineering, Bikaner, Rajasthan during November 2 - 4, 2017.

Participated and delivered an invited talk in the **83rd Annual Conference of Indian Mathematical Society (IMS 2017)-An International Meet**, held at Sai Venkateswara University, Tirupati during December 12-15, 2017.

Participated and delivered an invited talk in the **International Conference on Spe-**

cial Functions & Applications (ICSFA-2018), held at Amal Jyothi Engineering College, Kanjirapalli, Kottayam, Kerala during November 22-24, 2018.

Participated and delivered an invited talk in the **84th Annual Conference of Indian Mathematical Society (IMS 2018): An International Meet**, held at Shri Mata Vaishno Devi University, Katra, Jammu and Kashmir during November 27-30, 2018.

Participated and delivered a talk in the **2nd International Conference on Information Technology and Applied Mathematics (ICITAM 2019)** held at Haldia Institute of Technology, West Bengal, during March 07-09, 2019.

Participated and delivered an invited talk in the **International Conference on Number theory and Graph Theory (ICNG-2019)** held at University of Mysore, Mysuru, Karnataka, during June 27-29, 2019.

Participated and delivered an invited talk in the **International Conference on Special Functions and Their Applications (ICSFA 2019)** organized by Government College of Engineering, Bikaner, Rajasthan during October 21-23, 2019.

STTP organized: 09

**As Coordinator
06**

Coordinator of the AICTE Sponsored Staff Development Programme on "Applications of Mathematical Sciences and Soft Computing" organized by Mathematics Section of ASHD, SVNIT during December 8-12, 2008.

Coordinator of One Week Short Term Training Programme on "Mathematical Methods for Physical Sciences and Engineering (MMPSE 2013)" during May 6-10, 2013 under TEQIP-II.

Coordinator of One Week Short Term Training Programme on "Optimization Techniques for Scientists and Engineers (OTSE 2013)" during June 17-21, 2013 under TEQIP-II.

Coordinator of Two Week Short Term Course on "Mathematical Methods for Scientists and Engineers (MMSE 2015)" during June 29-July 10, 2015 under TEQIP-II.

Coordinator of One Week Short Term Training Programme on "Computational Techniques for Differential Equations (CTDE 2016)" during May 2-6, 2016 under TEQIP-II.

Coordinator of One Week Short Term Training Programme on "Transform Methods in Science and Engineering (TMSE 2017)" during March 6-10, 2017 under TEQIP-II.

As Member 03

Member of the organizing committee of AICTE Sponsored Staff Development Programme on "Recent Scientific and Technological Advances in Physical Sciences" held at SVNIT during 29th December, 2008-2nd January, 2009.

Member of the organizing Committee of AICTE sponsored STTP on "Mathematical Applications in Real World Problem" held at AMHD, SVNIT during December 14-18, 2009.

Member of the organizing Committee of **AICTE** sponsored **STTP** on "*Mathematical Modeling and Simulation*" held at AMHD, SVNIT during December 21-25, 2009.

Seminars / Symposium

Organized: 34

1. **Co-Convener** of the Symposium "*Recent Developments in Mathematical Sciences and Their Applications (RDMSTA)*" held on 23.12.2011 as a part of CONIAPS-XIV.
2. **Organizer** of the Symposium "*Life and Works of Ramanujan*" held on 28.06.2012 as a part of **ICSFA 2012**.
3. **Organizer** of the **Panel Discussion** on "*Developments of Mathematics in India during last 125 years*" as a part of **ICSFA 2012**.
4. **National Advisory Committee** of **UGC** sponsored **National Seminar on Recent Trends in Biomathematical Modeling under uncertain Environment** at Mugberia Gangadhar Mahavidyalaya, West Bengal, held in September, 2015.
- 5-34. **Faculty Coordinator** of the **Weekly seminar IntERAct** (Internship Experience and Research Activities), so far 30 seminars have been conducted.

Attended: 40

1. Attended a seminar entitled "*Role of Mathematics as a Service Subject*" sponsored by Centre for Mathematics Education, Visva-Bharati held at Department of Mathematics, Visva-Bharati, West Bengal on Feb2004.
2. Attended a seminar entitled "*Recent Advances in Applied Mathematics*" sponsored by UGC, held at Department of Applied Mathematics, Vidyasagar University, West Bengal during March 18-19, 2004.
3. Participated and Presented a Paper in a *National Seminar on Applied and Computational Mathematics and their Applications (Sponsored by UGC)* held at Vidyasagar University, Midnapore during March 6-7, 2008.
4. Participated in *National Symposium in Mathematics for Young Researchers sponsored by DST and NBHM* at IIT Gandhinagar during February 26-28, 2010.
5. Participated and Presented a Poster in the *National Seminar "NSAM 2013"*, organized by Calcutta Mathematical Society during September 6-8, 2013 at Kolkata.
6. Regularly attended all the *Weekly Number Theory Seminar at UIUC, USA*.
7. Regularly attended all the *Graduate Students Number Theory Seminar (GSNTS)* at UIUC, USA.
8. Participated and delivered an invited lecture in the **UGC sponsored National Seminar on "Recent Trends in Biomathematical Modeling under uncertain Environment"** at Mugberia Gangadhar Mahavidyalaya, West Bengal.
9. Participated and delivered an expert lecture at **one day state level seminar on "Optimization Techniques for Engineers and Researchers"** at Vadodara

Institute of Engineering on 11.12.2015.

10. Participated and delivered invited talk (s) at **National Seminar on "Parallel Computing & Optimization Techniques"** during February 23-24, 2019, organized by Govt. M. H. College of Home Science & Science for Women, Jabalpur.

11-40. Participated and conducted the **Weekly seminar IntERAct** (*Internship Experience and Research Activities*) as a Faculty Coordinator, 30 seminars held so far.

Workshops

Organized: 09

1. **Coordinator of One day Workshop on *Basics of MATLAB*** for M.Sc. Students, organized by Department of Applied Mathematics & Humanities, SVNIT on 19.02.2012.

2. **Coordinator of Online Quiz Competition** on 26.10.2012 as a part of **Workshop on "Life of Srinivas Ramanujan and his contribution in the field of Mathematics"** organized by Department of Applied Mathematics & Humanities, SVNIT.

3. **Faculty Coordinator of Two Days Hands on Training Program on Latex** held at SVNIT, Surat during February 11-12, 2017.

4. **Faculty Coordinator of Two - Days Workshop on "Molecular Dynamics Simulations"** held at SVNIT, Surat during February 4-5, 2017.

5. **Coordinator of Three-days workshop on "Fixed Point Theory and Dynamical Systems with Real World Applications"** held at SVNIT, Surat during February 23-25, 2017.

6. **Faculty Coordinator of Two - Days Workshop on "Introduction to Data Analysis using R"** held at SVNIT, Surat during March 25 26, 2017.

7. **Faculty Coordinator** to organize **Kathak Workshop** during 29.01.2018-02.02.2018 under the banner of Society for the promotion of Indian Classical Music and Culture Amongst Youth (SPICMACAY).

8. **Faculty Coordinator** to organize **Workshop on "Introduction to Scientific Computing using Python"** on 17.03.2018 as a part of PRAKRITI 2018.

9. **Faculty Coordinator** to organize **"1-Day Hands-On Training Workshop on L^AT_EX"** on 24th March, 2018 under the banner of Society for Cultivation of Sciences and Humanities (SCOSH), SVNIT.

Attended: 15

1. **Participated in a National Workshop on "Advance Ocean State Forecast & Ocean modeling"** held at Space Applications Centre (ISRO) on December 20-21, 2004.

2. Participated in **Meteorology and Oceanography Programme** sponsored by **ISRO** held at Space Applications Centre during April 5-6, 2005.

3. Attended **3rd Indo-French Workshop on Megha-Tropiques** held at Space Applications Centre during October 17-20, 2005.

4. Attended **Workshop on *Data Assimilation in Atmospheric & Oceanic Modeling*** held at **IISc, Bangalore** during January 2-6, 2006.
5. Attended **Indo-UK workshop on *Earth Observations for Weather and Climate*** held at Space Applications Centre (ISRO) during March 28-30, 2006.
6. Participated in **9th National Workshop on *Cryptology*** organized by COED, SVNIT jointly with Cryptography Research Society of India (CRSI) during August 7-9, 2009.
7. Participated in **Two Days National Workshop on Developing Soft Skills** organized by Department of Applied Mathematics & Humanities, SVNIT during January 20-21, 2012.
8. Participated in **Weekly Intensive Hindi Workshop** organized by **Hindi Cell of SVNIT** during July 23-27, 2012.
9. Participated in **NISAR Science Workshop** held at Space Applications Centre (ISRO) during November 17-18, 2014.
10. Participated in **Workshop on "*High Performance Computing Architecture and Applications for Engineers and Scientists*"** organized by Department of Applied Physics, SVNIT during January 24-26, 2015.
11. Participated in the **Three Days Intensive Hindi Training Workshop** held at SVNIT, Surat during May 23-25, 2016.
12. Participated in the **Three-days workshop on "*Fixed Point Theory and Dynamical Systems with Real World Applications*"** held at SVNIT, Surat during February 23-25, 2017.
13. Participated in the **NSM workshop on *High Performance Computing*** organized by Computer Engineering Department of SVNIT & C-DAC, Pune on 26.02.2018.
14. Participated in the **Workshop on "*Introduction to Scientific Computing using Python*"** organized by SVNIT, Surat and **FOSSEE Project, IIT Bombay** on 17.03.2018.
15. Participated in the **UGC Sponsored 3-Day Workshop on "*Introduction to Algorithms with Special Emphasis to Graph Algorithms*"** organized by Vidyasagar University, Midnapore & ADMA during March 27-29, 2018.

Expert Lectures

Organized: 21

1. Organized Expert Lecture on "*A Brief Introduction to Cryptology and Secret Sharing*" by **Professor Bimal Roy, Director, ISI Kolkata** on 09.02.2012.
2. Organized Expert Lecture on "*Identity-based Cryptography*" by **Dr. M. L. Das, Associate Professor, DA-IICT, Gandhinagar** on 11.05.2012.
3. Organized Expert Lecture on "*Satellite Data for Weather Prediction: A Mathematical Challenge*" by **Dr. P. C. Joshi, Brahamaprakash Scientist, ISRO,**

Ahmedabad on 12.06.2012.

4. Organized Expert Lecture on "*SPSS Software and Its Applications*" by **Gaurav Kumar, Binary Semantics Ltd., Bangalore** on 16.02.2015.

5. Organized Expert Lecture on "*Data Assimilation*" by **Dr. P. K. Pal, Outstanding Scientist (Retired), Space Applications Centre (ISRO), Ahmedabad** on 05.05.2016.

6. Organized Expert Lecture on "*Data Assimilation in Meso-scale Models*" by **Dr. Rakesh V., Scientist, CSIR Fourth Paradigm Institute (CSIR-4PI), Bengaluru** on 27.07.2016.

7. Organized Expert Lecture on "*Uniformly Convergent Numerical Schemes for Singular Perturbation Problems on Layer-Adapted Meshes*" by **Prof. S. Natesan, IIT Guwahati** on 23.09.2016.

8. Organized Expert Lecture on "*Nanotechnology: Small and Beautiful*" by **Prof. S. Kulkarni, IISER, Pune** on 24.09.2016.

9. Organized Expert Lecture on "*Option Pricing and Credit Risk*" by **Prof. M. K. Ghosh, IISc. Bangalore**, on 22.11.2016.

10. Organized Expert Lecture on "*Electron and Ion (Mass) Spectroscopy on some advanced functional materials*" by **Dr. M. K. Dalai, Scientist, CSIR-National Physical Laboratory, New Delhi** on 12.05.2017.

11. Organized Expert Lecture on "*Euler Constant*" by **Prof. Michel Waldschmidt, Emeritus Professor, Universit Pierre et Marie Curie (Paris 6), France** on 01.12.2017.

12. Organized Expert Lecture on "*Power Series*" by **Prof. S. Ponnusamy, Professor, Department of Mathematics, IIT Madras, Chennai** on 02.02.2018.

13. Organized Expert Lecture on "*Bessel Wavelet Transform*" by **Prof. S. K. Upadhyay, Professor, Department of Mathematical Sciences, IIT BHU, Varanasi** on 22.02.2018.

14. Organized Expert Lecture on "*Measure Theor*" by **Prof. Inder K. Rana, Emeritus Professor, IIT Bombay, Mumbai** on 18.03.2018.

15. Organized Expert Lecture on "*Nobel Prize in Physics 2017*" by **Dr. Pruthul Desai, Principal, P.T. Science College, Surat** on 18.03.2018 as a part of PRAKRITI 2018.

16. Organized Expert Lecture on "*Deterministic ODE Models in Population Ecology*" by **Prof. Bindhyachal Rai, Professor (retired) & Former Head, Department of Mathematics, University of Allahabad, Allahabad** on 11.10.2018.

17. Organized Expert Lecture on "*A lucid introduction to error correcting codes*" by **Prof. Michel Waldschmidt, Sorbonne University, Paris, France** on 14.12.2018. (through A-VIEW from K. J. Somaiya College of Engineering, Mumbai)

18. Organized Expert Lecture on "*Routh-Romanovski Orthogonal Polynomials*" by

Dr. A. Swaminathan, Associate Professor, Department of Mathematics, I.I.T. Roorkee on 22.03.2019.

19. Organized Expert Lecture on "*Convex optimization and Support vector machines*" by **Dr. S. K. Gupta, Associate Professor, Department of Mathematics, I.I.T. Roorkee** on 30.03.2019.

20. Organized Expert Lecture on "*Some Heuristic Methods and their Applications in NP hard problems*" by **Prof. Manoranjan Maiti, Professor (Retired), Department of Applied Mathematics with Oceanology & Computer Programming, Vidyasagar University, Midnapore** on 01.04.2019.

21. Organized Interactive Session on "*Scope and Opportunities to study at GSU, USA*" by **Mr. Krishna Prasanth, Governors State University, USA** on 01.05.2019.

Delivered: 69

1. "*On Numerical Weather Prediction*" at **AICTE sponsored SDP** on Application of Mathematical Sciences & Soft Computing organized by ASHD, SVNIT, Surat on 09-12-2008.

2. "*Stochastic Processes*" at **AICTE sponsored STTP** on Machine Learning and Soft Computing organized by COED, SVNIT, Surat on 31.12.2008.

3. "*Decomposition of Matrix*" at **AICTE sponsored STTP** on Machine Learning and Soft Computing organized by COED, SVNIT, Surat on 31.12.2008.

4. "*On Numerical Weather Prediction-A Case study*" at **AICTE sponsored STTP** on Recent Scientific and Technological Advances in Physical Sciences organized by ASHD, SVNIT, Surat on 31.12.2008

5. "*Introduction to MATLAB*" at **AICTE Sponsored STTP** on Advances in Condensed Matter Physics organized by Department of Applied Physics, SVNIT, Surat during August 31- September 4, 2009.

6. "*MATLAB Basics*" at **AICTE sponsored STTP** on Mathematical Modeling and Simulation organized by AMHD, SVNIT during December 21-25, 2009.

7. Delivered invited lecture on "*Linear Programming Problem Solution by Simplex Method*" at PG Section of Transportation Engineering and Planning of CED, SVNIT.

8-14. Delivered **Seven** invited lectures on **Different topics of Special Functions and Integral Transforms** at TEQIP sponsored STTP on "*Mathematical Methods for Physical Sciences and Engineering (MMPSE 2013)*" during May 6-10, 2013.

15-23. Delivered **Nine** invited lectures on **Different topics of Operations Research** at TEQIP sponsored STTP "*Optimization Techniques for Scientists and Engineers (OTSE 2013)*" during June 17-21, 2013.

24. Delivered an invited talk in **Graduate Students Number Theory Seminar (GSNTS)** at University of Illinois at Urbana-Champaign, USA on April 03, 2014.

25. Delivered an invited talk in the **Special Session on Complex Function Theory and Special Function** at Spring 2014 Central Sectional Meeting of the American Mathematical Society held at Texas Tech University, Lubbock, Texas, USA during

April 11-13, 2014.

26. Delivered an invited talk at **2nd International Conference on Recent Trends in Mathematics and Its Applications(ICRTMA)** at Vidyasagar University, Midnapore on March 19, 2015.

27-37. Delivered **Eleven** invited lectures at TEQIP sponsored **Two Week Short Term Course (STC)** on "*Mathematical Methods for Scientists and Engineers (MMSE 2015)*" during 29.06.2015 to 10.07.2015 at SVNIT, Surat.

38. Delivered an invited talk in the **International Conference on Special Functions and Their Applications (ICSFA 2015)** held at Amity University, Noida.

39. Delivered an invited talk in the **UGC sponsored National Seminar** on "*Recent Trends in Biomathematical Modeling under uncertain Environment*" at Mugberia Gangadhar Mahavidyalaya, West Bengal.

40. Delivered an expert lecture at **One Day State Level Seminar** on "*Optimization Techniques for Engineers and Researchers*" at Vadodara Institute of Engineering on 11.12.2015.

41-42. Delivered **Two** expert lectures at **One Week Short Term Training Programme** on "**Computational Techniques for Differential Equations (CTDE 2016)**" during May 2-6, 2016 under TEQIP-II at SVNIT, Surat.

43. Delivered an invited talk in the **International Conference on Special Functions and Their Applications (ICSFA 2016)** held at Jamia Millia Islamia, New Delhi on 10.09.2016.

44-45. Delivered **Two** expert lectures at **One Week Short Term Training Programme** on "*Advanced Engineering Optimization through Modern Computing Techniques*" held at Smt. S. R. Patel Engineering College, Unjha, Mehsana, Gujarat during December 05-09, 2016, sponsored by **GUJCOST**. (Lectures delivered on 06.12.2016)

46. Delivered a lecture about SVNIT and Mathematics Department at **Tolani College of Arts and Sciences, Adipur, Kutch, Gujarat** on 16.12.2016.

47. Delivered an expert lecture at **TEQIP-II sponsored Short Term Training Programme** on "*Role of Physics in Technology Development (RPTD-2017)*" during January 2-6, 2017 held at SVNIT on 03.01.2017.

48. Delivered an invited talk on "*Applications of Linear Programming Problems and Computations through Lingo Software*" at **Marwadi University, Rajkot, Gujarat** on 11.03.2017.

49-56. Delivered **Eight** expert lectures at **TEQIP-II sponsored Short Term Training Programme** on "*Transform Methods in Science and Engineering (TMSE 2017)*" during March 6-10, 2017, held at SVNIT.

57. Delivered an invited talk on "*Data Assimilation Techniques in Numerical Weather Prediction*" at **Haldia Institute of Technology, West Bengal** on 17.03.2017.

58. Delivered an invited talk in the **International Conference on Special Functions and Their Applications (ICSFA 2017)** organized by Government College of

Engineering, Bikaner, Rajasthan during November 2 - 4, 2017.

59. Delivered an invited talk in the **83rd Annual Conference of Indian Mathematical Society-An International Meet**, held at Sai Venkateswara University, Tirupati during December 12-15, 2017.

60. Delivered an invited talk on "*New trends in transforms and Applications in Weather Forecast*" at **Mukesh Patel School of Technology, Management and Engineering, Mumbai** on 20.03.2018.

61. Delivered an invited talk in the **Ramanujan Memorial Lecture Series-2** on "*Bessel Function Series in Connection with Ramanujan Mathematics*" at Mugberia Gangadhar Mahavidyalaya, West Bengal, on 26.03.2018.

62. Delivered an invited talk on "*Research Scope and Opportunities in Mathematics*" at Mugberia Gangadhar Mahavidyalaya, West Bengal, on 26.03.2018.

63. Delivered an invited talk on "*Geometric and Asymptotic properties of Extended Hypergeometric Functions*" at **International Conference on Special Functions & Applications (ICSFA-2018)**, held at Amal Jyothi Engineering College, Kanjirapalli, Kottayam, Kerala during November 22-24, 2018.

64. Delivered an invited talk on "*Mathematics of Numerical Weather Prediction*" at Govt. M. H. College of Home Science & Science for Women, Jabalpur in the **National Seminar on Parallel Computing & Optimization Techniques** during February 23-24, 2019.

65. Delivered an invited talk on "*Optimization Technique for Public Bicycle Sharing System*" at Govt. M. H. College of Home Science & Science for Women, Jabalpur in the **National Seminar on Parallel Computing & Optimization Techniques** during February 23-24, 2019.

66. Delivered an invited talk entitled "*A Study on Geometrical Significance of Fractional Calculus*" in the **84th Annual Conference of Indian Mathematical Society-An International Meet**, held at Shri Mata Vaishno Devi University, Jammu during November 27-30, 2018.

67. Delivered an invited talk entitled "*An Optimization approach to study Bicycle Sharing System for Surat City*" at **2nd International Conference on Information Technology and Applied Mathematics (ICITAM 2019)** held at Haldia Institute of Technology, West Bengal, during March 07-09, 2019.

68. Delivered an invited talk entitled "*Generalizations of Sheffer polynomials and their q -analogue*" at **International Conference on Number theory and Graph Theory (ICNG-2019)** held at University of Mysore, Mysuru, Karnataka, during June 27-29, 2019.

69. Delivered an invited talk entitled "*Some Studies on extended Wright type hypergeometric functions*" at **International Conference on Special Functions and Their Applications (ICSFA 2019)** organized by Government College of Engineering, Bikaner, Rajasthan during October 21-23, 2019.

Lecture Series

- Organized: 02**
1. **Coordinator of Two days Lecture Series** on "*Partial Differential Equations and Their Applications*" organized by Department of Applied Mathematics & Humanities, SVNIT during August 27-28, 2011.
 2. **Coordinator of Two days Lecture Series** on "*Number Theory*" organized by Department of Applied Mathematics & Humanities, SVNIT during September 3-4, 2011.
- Attended: 04**
1. Participated in **Two days Lecture Series** on "*Partial Differential Equations and Their Applications*" organized by Department of Applied Mathematics & Humanities, SVNIT during August 27-28, 2011.
 2. Participated in **Two days Lecture Series** on "*Number Theory*" organized by Department of Applied Mathematics & Humanities, SVNIT during September 3-4, 2011.
 3. Participated in **One Day Lecture series** on "*Mathematical Modeling and Its Application*" organized by Department of Applied Mathematics & Humanities, SVNIT on November 18, 2011.
 4. Participated in **Science Academies Lecture Workshop** on "*Partial Differential Equations and Its Application*" organized by Department of Applied Mathematics & Humanities, SVNIT during March 1-4, 2012.

Events

- Organized: 15**
1. **Coordinator of Orientation Programme for first year M.Sc. (Math.) students** of 2015-16 session organized on 10.08.2015.
 2. **Faculty Coordinator** to organize **Science Festival PRAKRITI 2016** during February 5-6, 2016 at SVNIT, Surat under the banner of **Society for Cultivation of Sciences and Humanities (SCOSH)**, SVNIT.
 3. **Coordinator of Orientation Programme for first year M.Sc. (Math.) students** of 2016-17 session organized on 05.09.2016.
 4. **Faculty Coordinator** to organize **Researchathon (Inquest 2016)** on 22.10.2016 at SVNIT, Surat under the banner of Society for Cultivation of Sciences and Humanities (**SCOSH**), SVNIT.
 5. **Faculty Coordinator** to organize **Science Festival PRAKRITI 2017** during March 17-18, 2017 at SVNIT, Surat under the banner of Society for Cultivation of Sciences and Humanities (**SCOSH**), SVNIT.
 6. **Faculty Coordinator** to organize **Teachers Day** on 07.09.2017 under the banner of Society for Cultivation of Sciences and Humanities (**SCOSH**), SVNIT.
 7. **Faculty Coordinator** to organize **Inquest 2.0 (a 10 hour long Research Marathon)** on 11.11.2017 at SVNIT, Surat under the banner of Society for Cultivation of Sciences and Humanities (**SCOSH**), SVNIT.

8. **Faculty Coordinator** to organize **Homecoming 2k17: Reunion of pass out M.Sc. Students** to commemorate the 10 year existence of M.Sc. integrated programme on 23.12.2017.
9. **Faculty Coordinator** to organize **SwarTarang: A tryst with Classical Music** on 31.01.2018, under the banner of **Society for the promotion of Indian Classical Music and Culture Amongst Youth (SPICMACAY)**.
10. **Faculty Coordinator** to organize **Science Festival PRAKRITI 2018** during March 17-18, 2018 at SVNIT, Surat under the banner of Society for Cultivation of Sciences and Humanities (**SCOSH**), SVNIT.
11. **Faculty Coordinator** to organize **National Mathematics Day** on 23.12.2017 under the banner of Society for Cultivation of Sciences and Humanities (**SCOSH**), SVNIT.
12. **Faculty Coordinator** to organize **Teachers Day** on 05.09.2018 at AMHD, SVNIT, Surat.
13. **Faculty Coordinator** of the **Tree Plantation Drive (One Student-One Tree Programme)** held on 05.09.2018 at AMHD, SVNIT, Surat.
14. **Member of Advisory Committee** of **VIRASAT 2020** by **SPICMACAY**, held at SVNIT during 28.01.2020- 01.02.2020.
15. **Faculty Coordinator** to organize **Mathematics Colloquium** on the occasion of **International Day of Mathematics** on 14.03.2020 at AMHD, SVNIT, Surat. ¹

¹Last updated on April, 2020