

CURRICULUM VITAE

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NAME : Dr. Amar Jyoti Dutta.
FATHER'S NAME : Late Lakhi Nath Dutta.
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Tripura Road, Jaya Nagar.
Beltola, Guwahati- 781022, Assam, INDIA.

RESEARCH_INTEREST:

- Sequences and series.
- Fuzzy mathematics.
- Convergence of sequences.
- Spectral Theory.
- Summability theory.
- Matrix Transformation.
- Mathematical Education
- Research based pedagogical Education.

RESEARCH_EXPERIENCE:

- Started as a Ph. D. research scholar under the guidance of Prof. Dr. Binod Chandra Tripathy in Intitute of Advanced Study in Science and Technology (IASST), Guwahati, Assam, India in the year 2002.
- Worked as SRF, Extended at IASST in a CSIR sponsored project from June, 2007 to May 2008.
- Worked as a Research Associate in a CSIR sponsored project from June 2011 to May 2013.
- Worked as a research associate (R.A) on the project "Spectra and Pseudo-Spectra of Euler Operator", sponsored by CSIR.
- Worked as Post Doctoral Research (Post.Doc) Fellow of National Board for Higher Mathematics (NBHM) under Department of Atomic Energy (DAE).

TEACHING_EXPERIENCE:

- Worked as Teacher in Don Bosco Secondary School, Byrnihat from 2001 to 2004.
- Worked as an Asst. Professor in the dept. of computer science at Pragjyotish College, Guwahati, Assam, India from August 2008 to April 2013.
- Working as an Assistant Professor in the department of Mathematics, Pragjyotish College, Guwahati, Assam, India.

PUBLICATIONS:

1. B. C. Tripathy and A. J. Dutta: On fuzzy real-valued double sequence spaces; *Soochow Journal of Mathematics*; 32 (4) (2006), 509-520.
2. B. C. Tripathy and A. J. Dutta: On fuzzy real-valued double sequence spaces ${}_2\ell_F^p$; *Mathematical and Computer Modelling*; 46(2007), 1294-1299.

3. B. C. Tripathy and A. J. Dutta: Statistically convergent and Cesàro summable double sequences of fuzzy real numbers; *Soochow Journal of Mathematics*; 33(4) (2007), 835-848.
4. B. C. Tripathy and A. J. Dutta: On fuzzy real-valued double difference sequence spaces; *Journal of Fuzzy Mathematics*; 16(1) (2008), 101-107.
5. B. C. Tripathy and A. J. Dutta: Fuzzy real valued bounded variation double sequence space; *Computers and Mathematics with Application*; 59(2) (2010), 1031-1037.
6. A. J. Dutta: Lacunary p -absolutely summable sequence of fuzzy real number; *Fasciculi Journal Mathematics*, 46(2011), 58-64.
7. A. J. Dutta and B. C. Tripathy: On I -acceleration convergence of sequences of fuzzy real numbers; *Mathematical Modelling and Analysis*; 17(4) (2012), 549-557.
8. B. C. Tripathy and A. J. Dutta: Lacunary bounded variation sequence of fuzzy real numbers; *Journal of Intelligent and Fuzzy Systems*; DOI: 10.3233/IFS-2012-0544, 24(2013), 185-189.
9. A. J. Dutta: p -Bounded Variation Fuzzy Real-Valued Double Sequence Space; *Acta Scientiarum Technology*, 35(2) (2013), 363-369.
10. A. J. Dutta and B. C. Tripathy: Fine Spectrum of the Generalized Difference Operator $B(r, s)$ over the Class of Convergent Series; *International Journal of Analysis*; ID 630436 (2013), 1- 4.
11. A. J. Dutta, A. Esi and B. C. Tripathy: Statistically convergent triple sequence spaces defined by Orlicz Function; *Journal of Mathematical Analysis*; 4(2) (2013), 16-22.
12. B. C. Tripathy, N. L. Braha and A. J. Dutta: A new class of fuzzy sequences related to the ℓ_p space defined by Orlicz function; *Journal of Intelligent and Fuzzy Systems*; 26(2014), 1273-1278.
13. M. Et, B. C. Tripathy and A. J. Dutta: On pointwise statistical convergence of order α of sequences fuzzy mappings; *Kuwait Journal of Science*; 41(3) (2014), 17-30.
14. A. J. Dutta and B. C. Tripathy: Statistically pre-Cauchy Fuzzy real-valued sequences defined by Orlicz function; *Proyecciones Journal of Mathematics*; 33(3) (2014), 235-243.
15. A. J. Dutta, A. Esi and B. C. Tripathy: On Lacunary p -Absolutely Summable Fuzzy Real-Valued Double Sequence Space; *Demonstratio Mathematica*; XLVII (3) (2014), 652-661.
16. A. J. Dutta: Statistically pre-Cauchy Fuzzy real-valued sequences defined by Orlicz function; *Rough Set, Fuzzy Sets and Soft Computing*, Narosa Publishing House, 2015, 240-246.
17. S. Debnath, A. J. Dutta and S. Saha: Regular Matrix of Interval Numbers based on Fibonacci Numbers; *Afrika Matematika* DOI 10.1007/s13370-014-0289-09 (2015).
18. B. C. Tripathy and A. J. Dutta: Lacunary I -Convergent Sequence of Fuzzy Real Numbers; *Proyecciones Journal of Mathematics*; 34(3) (2015), 205-218.
19. A. J. Dutta and B. C. Tripathy: On the class of p -absolutely summable sequence $\ell^i(p)$ of interval numbers, *Songklanakarin Journal of Science and Technology*; 38(2) (2016) 143-146.
20. A. J. Dutta: Class of p -Absolutely Summable Sequence of Interval Number, *New Trends in Analysis and Interdisciplinary Applications*; DOI. 10.1007/978-3-319-48812-7_58 (2017), 455-461.
21. A. J. Dutta: Asymptotically equivalent generalized difference sequences of fuzzy real numbers defined by Orlicz function, *Thai journal of Mathematics*, 15(2) (2017) 503–515.

22. A. Baruah and A. J. Dutta: A new type of difference class of interval numbers, *Proyecciones Journal of Mathematics*, 37(3), (2018) 581-589.
24. A. Baruah and A. J. Dutta: Some Algebraic and Topological Properties of Quasi Cauchy Sequences of Interval Numbers, *Journal of the Tripura Mathematical Society*, 22(2020) 89 – 94.
25. A. Baruah and A. J. Dutta: On the Class of p -Bounded Variation Sequence of Interval Numbers, *Fasciculi Mathematici*, Nr 65 2021, DOI: 10.21008/j.0044-4413 (2021), 39 – 45.
26. S. J. Boruah and A. J. Dutta, Lacunary I -convergent σ -asymptotically equivalent difference sequences of fuzzy real numbers, *Bol. Soc. Paran. Mat.* (In press).
27. A. Baruah and A. J. Dutta, Difference Gai Sequences of Interval numbers with respect to Orlicz Function, *Acta Scientiarum Technology* (In press).
28. A. J. Dutta: Theory of Double Sequence Spaces, *Ashok Book Stall*, Guwahati, (2012), 1-93. (ISBN: 978-93-81850-41-1).
29. A. J. Dutta: *Statistically pre-Cauchy fuzzy real-valued double sequences defined by Orlicz function*, Recent Development in Mathematics and Statistics, (2023) (ISBN: 978-81-964332-4-6).
30. S. J. Boruah and A. J. Dutta: *Certain class of sequence of fuzzy real numbers*, Recent Development in Mathematics and Statistics, (2023) (ISBN: 978-81-964332-4-6).
31. A. J. Dutta and B. C. Tripathy, *Spectral properties of class of sequences with respect to matrix operators*, *Advances in Functional Analysis and Topology with Applications*, Springer Nature (In press).

REVIEW AND REFEREE ACTIVITIES:

Reviewer of the following journals:

- (i) Journal of Mathematical Analysis and Application.
- (ii) Journal of Mathematical Communication.
- (iii) Bulletin of Malaysian Mathematical Society.
- (iv) International Journal of Fuzzy System.
- (v) The Southeast Asian Bulletin of Mathematics.
- (vi) Seria Matematica.
- (v) Iranian Journal of Fuzzy Systems.
- (vi) British Journal of Mathematics & Computer Science.
- (vii) Acta Scinterum Technology.
- (viii) Journal of Intelligent and Fuzzy systems.
- (ix) Mathematical Sciences.
- (x) Annals of Fuzzy Mathematics and Informatics.
- (xi) American Association for Science and Technology.
- (xii) Filomat.

EDITORIAL BOARD MEMBER:

- (i) International Journal of Science, Environment and Technology.
- (ii) International Journal of Intelligent Computing in Science & Technology.

CONFERENCE/WORKSHOP ATTENDED:

- 1) **Fuzzy Logic and its Application in Technology and Management**, organized by Vinod Gupta School of Management & Dept. of Mathematics, **I. I. T, Kharagpur**, West Bengal, India from May 21 to 22, 2004.
- 2) **International Conference on Frontier Mathematics and Application**, organized by Department of Mathematics, **Bardhaman University, West Bengal**, India held during January 16-19, 2008.
- 3) **Workshop on Computational Methods and Function Theory (CMFT)**, organized by the Institute of Advanced Study in Science and Technology, Guwahati, held during 3rd to 10th January, 2008.
- 4) **International Conference on Mathematics on Date**, Organised by **Pushpa Publishing House, Allahabad** from Dec.31, 2010 to Jan. 4, 2011.
- 5) **Conference on Sequence space, Summability and its Applications**, Organised by **Istanbul Commerce University, Turkey** on 12th and 13th May 2011.
- 6) **National Seminar on Rough Set, Fuzzy Set and Soft Computing**, organised by Department of Mathematics, **Tripura University** on Nov. 11-12, 2011.
- 7) **National conference on Recent Trends in Mathematical and Computational Sciences**, organised by **Institute of Advanced Study in Science and Technology, Guwahati** on 28th -30th Nov. 2012.
- 8) **2nd International Conference on Rough Sets Fuzzy Set and Soft Computing**, organised by Department of Mathematics, **Tripura University**, on January 17-19, 2013.
- 9) **International Conference on Mathematical Sciences and Statistics 2013**, organised by Department of Mathematics, Faculty of Science, **Universiti Putra, Malaysia**, on 5th – 7th February 2013.
- 10) **National Workshop on the “Use and Development of NPTEL Courses”** Conducted by Centre for Educational Technology **IITG in association with Royal Group of Institutions, Guwahati** on 29th and 30th April 2013.
- 11) **National Seminar on Role of NGO in “Economic Development with special Reference to the North-East Economy”** organized by **Economic Planning Forum, Dept. of Economics Pragjyotish College** on 5th and 6th September 2013.
- 12) **Faculty Development Programme** on “Instructional Objectives- Teaching Science as Science” Organized by **ICFAI University Tripura** on 5th December 2014.
- 13) **UGC sponsored Orientation Programme** organized by **Academic Staff College Gauhati University** on 28th July to 24th August, 2014.

- 14) **10th International Society for Analysis, its Applications and Computation (ISAAC)**, organised by Department of Mathematics, FST, **University of Macau, Macau, China** on 1st – 8th August, 2015.
- 15) **National Workshop on Mobile Application Development** organized by **GIMT, Guwahati** on 4th and 5th May 2016.
- 16) **District level Children Science Congress organized with ASTEC** and act as an Evaluator held in Guwahati on 18th September 2016.
- 17) **Workshop on Publishing Connect conducted by Elsevier** in association with Gauhati University on 5th March 2016.
- 18) **Training cum Sensitisation Workshop on All India Survey on Higher Education (AISHE)** organized by Gauhati University cell sponsored by MHRD on 12th February 2016.
- 19) **Teachers' Enrichment Workshop (TEW)** on Real Analysis, Linear Algebra & Modern Algebra under National Centre for Mathematics (a joint centre of TIFR and IIT Bombay) organized at the Department of Mathematics, IIT Guwahati during 19th – 24th December, 2016.
- 20) **Level-1 Teacher Training Workshop on Research Based Pedagogical Tools (RBPT)**, organized by Tezpur University in association with **IISER Pune, British Council**, in collaboration with DBT, Newton Bhabha Fund, MHRD on 27th to 30th January, 2017.
- 21) **Workshop on All India Survey on Higher Education (AISHE)** organized by Gauhati University cell sponsored by MHRD on 16th March 2017.
- 22) **Level-2 Teacher Training Workshop on Research Based Pedagogical Tools (RBPT)**, organized by **IISER, Pune** in association with British Council in collaboration with DBT, Newton Bhabha Fund, MHRD on 1st to 4th March, 2017.
- 23) **Act as an Expert/Trainer in the regional workshop on Research Based Pedagogical Tools (RBPT)** organized by **IISER, Pune** at **NEHU** in association with British Council in collaboration with DBT, Newton Bhabha Fund, MHRD on 27th to 29th July, 2017.
- 24) **Act as an Expert/Trainer in the regional workshop on Research Based Pedagogical Tools (RBPT)** organized by **IISER, Pune** at North Lakhimpur Girls' College in association with British Council in collaboration with DBT, Newton Bhabha Fund, MHRD on 3rd to 5th August, 2017.
- 25) Act as an observer in the **Level-1 Teacher Training Workshop on Research Based Pedagogical Tools (RBPT)**, organized by **IISER, Pune** in association with British Council in collaboration with DBT, Newton Bhabha Fund, MHRD at Pandit Ravi Shankar Shukla University, Raipur, Chhatisgarh, during 6th October 2017 to 9th October 2017.
- 26) Act as an Evaluator in “**25th National Children Science Congress, 2017**” held in Guwahati.
- 27) Act as an observer and a member of organizing committee in the **Level-1 Teacher Training Workshop on Research Based Pedagogical Tools (RBPT)**, organized by **IISER, Pune** in

association with British Council in collaboration with DBT, Newton Bhabha Fund, MHRD at Hotel Ibiza by the Fern, Kolkata during 23rd September 2018 to 26th October 2018.

- 28) **“Teacher’s Enrichment Course in Undergraduate Mathematics Curriculum”**, organized by CET & Department of Mathematics, IIT Guwahati under CESME, PMMMN Mission on Teachers and Teaching held during 7th – 12th January 2019.
- 29) Participated in **“Research based Pedagogical Tools Writers Workshop for STEM teachers”** organized by IISER, Pune in collaboration with DBT, British Council, COESME, MHRD at IISER, Pune during 20th – 23rd January 2019.
- 30) Participated in the ICAE-Principal Conclave **“Exploring and Experiencing the Impact of Multiple Intelligence in Education”** held on 23rd February 2019 at Hotel Vivanta by Taj, Guwahati.
- 31) Participated in one day National Workshop on **“Intellectual Property Right”** held at Pragjyotish College on 19th June 2019.
- 32) Participated in Teachers’ Training programme for student Induction programme, organized by UGC at Assam Down Town University, Guwahati, Assam during 8th to 10th August 2019.
- 33) Act as an Evaluator in **“27th National Children’s Science Congress, 2019”** held at Guwahati on 22/09/2019.
- 34) Participated in **“Two days International webinar on fuzzy & neutrosophic systems”** held on 21st & 22nd August 2020, organized by Department of Mathematical Sciences, Bodoland University, BTAD, Assam, India.
- 35) Participated in the One Day National Webinar entitled **“ICT Enabled Higher Education in India”** jointly organized by Guru AngadDev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the PanditMadan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of MHRD and Sanatan Dharma College, AmbalaCantt (Affiliated to Kurukshetra University, Kurukshetra) held on 13 July 2020.
- 36) Participated in the National Webinar on **“Uncertain Science, Uncertain Mathematics: Uncertain World”** organized by Department of Mathematics, Debraj Roy College.
- 37) Participated in the five day FDP on **“Data Analytics using R”** organized by Department of Information Science and Engineering” VVCE, Mysuru from 10th to 14th August 2020.
- 38) Participated in the webinar entitled **“Open and Distance Learning As Alternative”** On 09th June 2020.
- 39) Attended a national level webinar on **“Himalayan Trekking Expedition-An Adventure”** organized by Deogiri Institute of Engineering and Management Studies, Aurangabad on 20/09/2020

- 40) Participated in the National Webinar on **“Satellite Image Processing for Tracking Environmental Changes”** Organised by the Department of ECE and EEE in Association with IQAC on 14th July 2020 Trivandrum, Kerala.
- 41) Participated in **“One day national webinar on effective ways to develop e-content”** held on 9-05-2020.
- 42) **Successful completion of the Seven Day Faculty Development Programme (FDP)** in Online Mode for University and College Teachers on Preparation of Self-Learning Materials for University and College Learners organized by Dibrugarh University, Assam, India from 12th May 2020 to 18th May, 2020.
- 43) Participated in the webinar on **“Livelihood Issues among India`s Informal Workforce during the Pandemic”** on 12th July, 2020, organized by Surya Kumar Bhuyan School of Social Sciences, KKHSOU, Guwahati.
- 44) Participated in the international webinar on the theme **“Perspectives on Scientific Writing& Soft Skills for Academicians and Professionals”** held on August 06, 2020.
- 45) Attended live session National Webinar on **“Effect of COVID-19 on Environment and Education System”** held on June 03, 2020 to June 04, 2020.
- 46) Attended the National Webinar on **“Higher education in India: Challenges and Opportunities During Covid-19 Situations”** organised by Internal Quality Assurance Cell (IQAC), Dakshin Kamrup Girls College, Mirza on July 25, 2020.
- 47) Participated in the National Webinar on **“Use of Technology in Imparting Lessons, Designing Curriculum & Assessment as a Capacity Building Initiative”**, organised by Gauhati Commerce College on July 14, 2020.
- 48) Participated in International Webinar on **“Mathematical Scopes in Evolutionary neuroscience”** organised by department of Mathematics, Gauhati University, Guwahati on August 8, 2020.
- 49) Participated in the National Webinar on **“Motivation and Classroom Management”** organised by IQAC, Hatichong College in collaboration with Sahitya Sabha, Nagaon District, Nagaon on July 4, 2020.
- 50) Participated in the online webinar on Five Day Faculty Development Programme on **“Applications of Mathematics in Engineering”** organised by Department of Mathematics KPRIET held on July 27, 2020 to July 31, 2020.
- 51) Participated in **“Webinar on Importance of Mental Health of the Students for leading a Well-Balanced life”** organised by Department of Education, Naharkatiya College, Dibrugarh, assam in collaboration with Library & Information Science Professionals Associations (LISPA) held on July 2, 2020.
- 52) Participated in **“One Week Online FDP on Transition Management for Higher education during COVID-19 Pandemic – A Roadmap”** organised by ‘Chhatrapati Shahu Institute of

Business Education & Research, Kolhapur” under the ‘Pandit Madan Mohan Malviya National Mission for Teachers Teaching (PMMMNTT), MHRD, New Delhi, held from May 02, 2020 to May 06, 2020.

- 53) Participated in the National Webinar of “**Online Education in Higher Education: Challenges and Prospects organised by Teachers**” Unit, Kakojan College, Jorhat, Assam in collaboration with Internal Quality Assurance Cell (IQAC), held on June 27, 2020
- 54) Participated in the International Webinar on “**Emerging Challenges and Opportunities on Higher Education Due to COVID-19 Pandemic**” held on June 13, 2020.
- 55) Participated in the National Webinar on “**Academic and Research Integrity**” organised by Naharkatiya College, Naharkatiya, assam in collaboration with Library and Information Science professionals Association (LISPA) held on May 27th – 28th, 2020.
- 56) Participated in the one day International Seminar on ‘**Education, Technology & Mindset for Success**’ organised by Central Library, Arya Vidyapeeth College in collaboration with Krishna Kanta Handiqui State Open University, Guwahati, Assam held on January 17, 2021.
- 57) Participated in the Four Day Faculty Development on “**Applications of Mathematics in Engineering (SERIES-IV)**” organised by Department of Mathematics KPRIET held from August 25th to 28th, 2020.
- 58) Participated in the Five day National Level Course on ‘**Fundamentals on RADAR System**’ organised by the Department of Electronics and Communication Engineering, N.B.K.R Institute of Science and Technology, Vidyanagar S.P.S.R, Nellore, Andhra Pradesh held from 11th to 15th August, 2020.
- 59) Participated in the webinar on ‘**E-Learning and E-Resources**’ organised by B. Borooah College in Association with Assam College Librarians’ Association (ACLA) held on May 28, 2020.
- 60) Participated in the training programme on ‘**Online Teaching-learning tools**’ organised by Assam College Librarians’ Association held on June 15, 2020.
- 61) Participated in the self-learning online course on “**Understanding Open Educational Resources**” offered by the commonwealth of learning, Canada.
- 62) Participated in 3-day Faculty Enrichment Programme “**Frontiers in Smart Learning**” organised by DBT-STAR scheme colleges, Bengaluru cluster from 14th to 16th May.
- 63) Participated in the one day national webinar on “**Effective ways to develop e-content**” organised by IQAC and Smt. Devkiba Mohansinhji Chauhan College of Commerce and Science in collaboration with knowledge bridge, Ahmadnagar held on May 5, 2020.
- 64) Participated in the training programme on ‘**Online Teaching-learning tools**’ organised by Assam College Librarians’ Associations held on 30 June, 2020.
- 65) Participated on Six day Faculty programme on “**Applications of mathematics in engineering**” organised by department of Mathematics KPRIET from 20 TO 25TH July.

- 66) Participated and successfully completed '**Faculty Development Programme on LaTeX and its applications for researchers**' organised by Department of Information Science and Engineering, Vidyaavardhaka college of Engineering, Mysuru from July 20 to 24th, 2020.
- 67) Participated in the International Work on '**Joint Modernistic & Innovative Technology**' held from 4th to 6th August, 2020.
- 68) Participated in the three day Faculty Development Program on "**Data Science with Python Programming**" organised by Department of Computer Science & Electronics held on 12th to 14th June, 2020.
- 69) Participated In Webinar On "**Game Theory: Applications in Biology and in A Pandemic (Part-1)**" On 11 June 2020.
- 70) Participated in the Webinar on '**Biodiversity Conservation of NE with Special Reference to Endangered Species Conservation**' organised by the department of Zoology, Pragjyotish College held on June 5, 2020.
- 71) Participated in the online quiz "**COVID-19 Knowledge and Awareness**" organised by Department of Pharmacy, Mohammad Ali Jauhar University, Rampur (U.P), on June 2020.
- 72) Participated in the Live Webinar on '**Understanding the Fundamentals of Machine Learning**' organised by Computer Engineering Department of S.S. Agrawal Institute of Engineering and Technology, held on June 9, 2020.
- 73) Participated in the Guest Session on "**LIVING FORWARD**" by Motivational Speaker Mr. Ashish Vidyarth organised by Wilson College as part of step programme held on 14th June, 2020.
- 74) Participated in the Online One Day National Webinar on "*Advances & Applications of Mathematics*" organized by Department of Mathematics, M.S.P. Mandal's Art's, Commerce & Science College Kille-Dharur On 22 July 2020.
- 75) Completed the online course on "**Remote Sensing & GIS Technology and Applications for University Teachers & Government Officials**" conducted by Indian Institute of Remote Sensing (IIRS), **ISRO Dehradun**, during 13-06-2020 to 01-07-2020.
- 76) Participated in the Webinar on '**Statistics automation in MS-excel**' organised by the Department of Mathematical Sciences, Shree Vidyaniketan Degree College, A. Rangampet, Tirupati, Andhra Pradesh held on 18th July, 2020.
- 77) Participated in the National Webinar on '**Application on SPSS in social science research**' organised by the Department of Mathematics and Statistics, K.C Das Commerce College held on August 8, 2020.
- 78) Attended the AICTE sponsored one week online STTP I on "**Big Data Analytics**" organised by Department of Information Technology, Saranathan College of Engineering, Tiruchirapalli, Tamil Nadu held from 27th July to 1st August, 2020.

- 79) Participated in the National Webinar on '**National Education Policy 2020: Future Research and Innovation Arena**' organised by Department of Commerce, Bodoland University held on August 30, 2020.
- 80) Participated in the Three Day online Faculty Development Programme on "**Fuzzy Mathematics and its Applications**" organised by the Department of mathematics, Government College Daman in association with IQAC held on 11th to 13th July, 2020.
- 81) Participated in the "**One Week Online National Faculty Development on E-Contents and ICT tools for innovative and effective Teaching**" organised by the K.S Jain Institute of Engineering and Technology, Modinagar, Ghaziabaad held from 15th to 21st August, 2020.
- 82) Participated in the Webinar on "**Remote Sensing for Natural Resources Management**" conducted by the Department of Biotechnology, Dr. B. R. Ambedkar University, Srikakulam 10 of August, 2020.
- 83) Participated in the International Webinar on "**Change For Good: Life During and After Lockdown (CFG)**" organised by the IQAC, Digamber Jain College, Baraut (Bagpat), held on 11th July, 2020.
- 84) Participated in the Webinar on "**COVID-19 Pandemic and its impact on Human and Environment**" Organised by Department of Zoology, IQAC, Goalpara College, Goalpara, held on 15th July, 2020.
- 85) Participated in Panel Discussion on "**Psychological Appraisal of Stakeholders - Let's Hear from Them**" organised by departments of Commerce and Mathematics & Statistics and IQAC, held on 27th June, 2020.
- 86) Participated in the "**One Week Online Faculty Development Programme on LATEX**" organised by M. S. P. Mandal's Vinayakrao Patil Mahavidyalaya, Vaijapur, held on June 15–21, 2020.
- 87) Participated in the International Webinar on "**Fermat's Last Theorem and a Failure of a Unique Factorization**" organised by the Department of Mathematics and IQAC Lumding College in association with Gonit Sora held on 12 July, 2020.
- 88) Participated in One Week Online Faculty Development Programme on "**Moodle Learning Management System**" organized by Assam Women's University, Jorhat, Assam in association with IIT Bombay Spoken Tutorial (An initiative of National Mission on Education through ICT, MHRD, Govt. of India) from 22nd June to 26th June, 2020.
- 89) Participated in the Online Webinar on "**Mathematics and Applications of Mathematics**" organised by Department of Applied Sciences, Mathematics and Humanities, Pillai College of Engineering, New Panvel, Maharashtra, held from 27th to 29th June, 2020.
- 90) Participated in the five days faculty Development Program on "**ICT Based Teaching and Learning Process**" organised by RCP, Roorke, held from 1st to 5th July, 2020.

- 91) Participated in the “**One day Webinar on Strategic Management of Online Class in Post COVID educational Scenario**” organised by IQAC, Tihu college, Tihu, Nalbari, Assam, held on 21st June, 2020.
- 92) Participated **UGC sponsored Refresher course** organized by **Academic Staff College Ramanujan College, Delhi University** under **MHRD (PMMMNMTE)** 13th August to 14th September, 2021.
- 93) Participated and successfully completed the 6-day Online Students’ Workshop on the theme “Universal Human Values” organized by All India Council for Technical Education (AICTE) from 17th October to 22nd October 2022.
- 94) Participated training programme (FDP) Workshop “Practical aspect of ICT tools and online teaching in current scenario” organized by Research Foundation of India from 19th August 2022 to 25th August 2022.
- 95) Participated in the Faculty Development Programme on “**CONFORMAL MAPPING IN COMPLEX ANALYSIS**”, organised by DEPARTMENT OF MATHEMATICS in association with INTERNAL QUALITY ASSURANCE CELL & SIR C. V. RAMAN RESEARCH COLLOQUIUM, College of Science & Humanities, SRM Institute of Science & Technology, Vadapalani, Chennai-600026, held on 21-09-2022.
- 96) Participated in the national webinar on “NEP-2020- changing role of teacher” organized by Bhaban’s Vivekananda College, Secunderabad on 10th September 2022.
- 97) Participated in and successfully completed the Professional Development Programme on ‘Implementation of NEP2020 for University and College Teachers’ held from 9 -17 September, 2022.
- 98) Presented a paper titled “Some Statistical Properties of Fuzzy Real Valued Sequences” at the International e-Conference on Fuzzy Sets & Fuzzy Logic - Generalizations and Applications held on September 06 - 08, 2022.

Expert/Chairperson/Resource etc. person:

- 1) **Act as an Expert/Trainer in the regional workshop on Research Based Pedagogical Tools (RBPT)** organized by **IISER, Pune** at **NEHU** in association with British Council in collaboration with DBT, Newton Bhabha Fund, MHRD on 27th to 29th July, 2017.
- 2) Act as an Evaluator in “**25th National Children Science Congress, 2017**” held in Guwahati.
- 3) **Act as an Expert/Trainer in the regional workshop on Research Based Pedagogical Tools (RBPT)** organized by **IISER, Pune** at North Lakhimpur Girls’ College in association with British Council in collaboration with DBT, Newton Bhabha Fund, MHRD on 3rd to 5th August, 2017.
- 4) Act as an observer in the Level-1 **Teacher Training Workshop on Research Based Pedagogical Tools (RBPT)**, organized by **IISER, Pune** in association with British Council in

collaboration with DBT, Newton Bhabha Fund, MHRD at Pandit Ravi Shankar Shukla University, Raipur, Chhatisgarh, during 6th October 2017 to 9th October 2017.

- 5) Act as an observer and a member of organizing committee in the Level-1 **Teacher Training Workshop on Research Based Pedagogical Tools (RBPT)**, organized by **IISER, Pune** in association with British Council in collaboration with DBT, Newton Bhabha Fund, MHRD at Hotel Ibiza by the Fern, Kolkota during 23rd September 2018 to 26th October 2018.
- 6) Act as a Chairperson in project presentation seminar in the Department of Statistics, Pragjyotish College in March 2021.
- 7) Act as Chairperson in project presentation seminar in the department of Economics, Pragjyotish College in January, 2022.
- 8) Coordinator of one week online Faculty Development Programme on *R*-Programming from 5th July, 2021 – 11th July, 2021 organised by Spoken Tutorials, IIT, Bombay.

MAJOR/MINOR PROJECT: Completed MRP funded by UGC vide No.F.5-83/2015 (MRP/NERO/36 I) dated 3 March 2017.

AWARDS/RECOGNITION:

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Ph. D., Mathematics. GAUHATI UNIVERSITY. (<u>Title of the thesis:</u> Studies on Some Fuzzy Real-Valued Double Sequence Spaces)	2008	
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B. Sc. (Hons.), Mathematics. A. V. COLLEGE, GUWAHATI.	1996	I st (with Distinction)
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