



Curriculum Vitae

Dr. Yengkhom Satyendra Singh

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Career Objective: To work in a reputed institute as a mathematician and contribute to the advancement of mathematical knowledge and its cross-functional applications by dint of my effective research and teaching techniques adaptable to a variety of learning styles, excellent written and oral communication skills, professional networking, creativity, collegiality, and a willingness to live and work in a culturally diverse community.

Field of Specialization:

- Algebra

Research Interest:

- Associative and non-associative algebra and its applications.

Teaching Experience: 9 Years

Courses Taught:

- **P.G:** Algebra I, Algebra II, Real Analysis.
- **M.Tech:** VLSI(Advanced Mathematics)
- **B.Tech:** Linear Algebra, Calculus.
- **U.G:** Calculus, Linear-algebra.

Academic Qualifications:

- Ph. D. from the Department of Mathematics, Jamia Millia Islamia, New Delhi, India, 2011.
- M.Sc. Mathematics with Computer Science from Jamia Millia Islamia, New Delhi, India, 2004.
- B.Sc. Mathematics Honours from Manipur University, India, 2001
- 10+2 from C.H.S.E. Manipur, 1997.
- 10th from BOSEM. Manipur, 1994.

Conference Attended:

- Attended “International Conference on Recent Advances in Applied Sciences (ICRAAS-2019), organized by School of Applied Sciences REVA University.
- Attended “International congress of Mathematicians 2010 at Hyderabad, India and delivered a talk on “Some Characterization of regular groupoid-lattices”.
- Attended “International Conference on Recent Trends in Mathematics and its Application 2009” organized by the Department of Mathematics, JamiaMilliaIslamia, New Delhi, India and delivered a talk on “Minimal quasi-absorbent in groupoid-lattices”.
- Attended interdisciplinary science conference-2009 organized by centre for interdisciplinary research in Basic Sciences, JMI, New Delhi.

Published Papers:

- BenakiLairenjam, Yengkhom Satyendra Singh, Classification of Covid-19 using Deep Neural Network, Indian Journal of Natural Sciences, Vol.12/Issue 69/December 2021, Issn: 0976-0997, pp. 35975-35980. (Web of Science)
- BenakiLairenjam, Yengkhom Satyendra Singh, Gaussian Radial Basis Function for solving Prabolic Partial Differential Equation, IJSET, Vol.8/Issue 12/December 2021, Issn: 2348-7968, pp. 71-77.
- Yengkhom Satyendra Singh, BenakiLairenjam, A note on SVD and QR-decomposition, I International Journal of Emerging Technologies and Innovative Research (www.jetir.org | UGC and issn Approved), ISSN:2349-5162, Vol.9, Issue 1, page no. ppc215-c218, January-2022, Available at : <http://www.jetir.org/papers/JETIR2201230.pdf>
- BenakiLairenjam, Yengkhom Satyendra Singh, Classification Of Breast Cancer Mammographic Data, Palestine Journal of Mathematics, Vol. 10(Special Issue I)(2021) , 135–139. (Scopus)
- BenakiLairenjam, Yengkhom Satyendra Singh, Diagnosis of Breast Cancer from Mammographic Image using Artificial Neural Networks, International Journal of Innovative Science, Engineering & Technology, Vol. 7 Issue 11, pp. 163-170, November 2020.
- Yengkhom Satyendra Singh, BenakiLairenjam "Singular value decomposition and its applications ", International Journal of Emerging Technologies and Innovative Research (www.jetir.org), ISSN:2349-5162, Vol.7, Issue 11, page no.180-182, November-2020, Available : <http://www.jetir.org/papers/JETIR2011029.pdf>
- Yengkhom Satyendra Singh, BenakiLairenjam, *Groebner Basis and its Applications*, International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-9 Issue-1, October 2019. (Scopus)
- Yengkhom Satyendra Singh, BenakiLairenjam, A Review OnGroebner Basis And Its Applications, INTERNATIONAL JOURNAL OF SCIENTIFIC & TECHNOLOGY RESEARCH VOLUME 8 ISSN: 2277-8616, pp 125-130(2019). (Scopus)

- BenakiLairenjam and Yengkhom Satyendra Singh, *Inverse Problem in Electrocardiography*, International Journal of Engineering and Technology(UAE), 7 (4) (2018) 4819-4822.(Scopus)
- YengkhomSatyendra Singh, *Minimal Quasi- Γ -absorbent in Γ -groupoid lattice*, IJSET, ISSN: 2348-7968, Volume 6(2019) Issue 3, PP. 94-97.
- BenakiLairenjam and YengkhomSatyendra Singh, *Hybrid Neural Network for Classifying Mammographic Data*, International Journal of Data Mining Techniques and Applications, ISSN:2278-2419 , Volume 4(2015) Issue 1, pp. 499-505
- Yengkhom Satyendra Singh, Mohd. Rais Khan and BenakiLairenjam, *Minimal Quasi-absorbent in Groupoid-lattice II*, Mathematica Aeterna, ISSN 1314-3344, Vol.5, (2015), no.3, 465-469.
- Yengkhom Satyendra Singh and Mohd. Rais Khan, *Regular Quasi- Γ -absorbents Γ -Groupoid Lattices*, Int. J. of Open Problems Computer Science and Mathematics, ISSN 1998-6262, Vol. 3, No.5, Dec 2010, pp. 190-200.
- YengkhomSatyendra Singh and Mohd. Rais Khan, *A Note on Quasi- Γ -Absorbents in Γ -Groupoid Lattices*, International J. of Math. Sci. &Engg. Appls. (IJMSEA) ISSN 0973-9424, Vol.4, No. V, December 2010, pp. 19-24.
- YengkhomSatyendra Singh and Mohd. Rais Khan, *Some Characterization of (m,n)-absorbents of groupoid lattices*, International Journal of Algebra, ISSN 1312-8868 Vol. 4, 2010, no. 18, 881 – 887.
- YengkhomSatyendra Singh, Mohd. Rais Khan and V. N. Dixit “Minimal quasi absorbent in groupoid-lattices” *SHEKHAR (NEW SERIES) INTERNATIONAL JOURNAL OF MATHEMATICS*, ISSN:0976-4445 Volume I Issue I Dec 2009 pp 51-56.

Academic achievements/FDP/Workshop:

- Participated as a **Resource Person/Speaker** in the one week short term training program (STTP) on “Research methodology and tools”, held between the 18th and 23rd of January, 2021, organized by school of Computer Science and Engineering.
- Successfully Completed Coursera course on “**Mathematics for Machine Learning: Linear Algebra**” **Imperial College London**.
- Successfully Completed Coursera course on “**Programming for Everybody (Getting Started with Python)**” **University of Michigan**.
- Successfully Completed Faculty Development program with excellent grade on “**Machine Learning for Computer Vision**” from 29th June to 8th July 2020 organized by Electronics and ICT Academies, India.

- Successfully Completed Faculty Development program on “**Neural Networks and Deep Learning using Python**” from 1st to 5th June 2020 organized by School of Computing and Information Technology REVA University, Bangalore, India.
- Successfully Completed Faculty Development program on “**Student Induction**” from 13-15 June 2019 organized by Audisankara College of Engineering and Technology, Gudur, Nellore, Andhra Pradesh, India.
- Successfully Completed Faculty Development program on “**PYTHON programming**” from 15-18th July 2020 organized by KL Deemed University, Hyderabad, India.
- Successfully Completed workshop on “**the Craft of Research**” from 2-3rd July 2020 organized by SRMIST, Ramapuram, Chennai, India.
- Successfully Completed National level Faculty Development program on “**ICT tools for online teaching and assesment**” from 23-27th June 2020 organized by Research Culture Society, Gujarat, India.
- First position in (poster presentation) at Natural Science INFOFEST (March 4-6, 2008) organized by JMI, New Delhi.
- Second position in (poster presentation) at Natural Science INFOFEST (2008-2009) organized by JMI, New Delhi.

Research Grants:

- Received a foreign travel grant of Rs. 25,000.00 from the CSIR, India vide Ref No. TG/4396/09-HRD dated 24-8-2009.