CURRICULUM VITAE

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Educational Qualifications:

- Class – 10th, JNV Dhemaji.
- Class – 12th , JNV Dhemaji.
- B.Sc (H) Mathematics, Zakir Husain Delhi College, DU.
- M.Sc Mathematics, DU.
- M.Phil in Game Theory, Dib. University.
- Ph.D in Coding Theory, Tezpur University.

Awards:

- SLET NE, 2015
- CSIR-UGC NET/JRF, June 2017

Experience:

Total working experience of 3 years in the Institutions: Sarala Birla Gyan Jyoti, Silapathar College, Dhemaji Polytechnic, Rajiv Gandhi University and Assam Don Bosco University.

List of Publications:

Research Articles:

- Pokhrel, N.K. and Das, P.K. Low-density and high-density asymmetric CT-burst correcting integer codes. *Advances in Mathematics of Communications*,2022, doi: 10.3934/amc.2022030.
- Pokhrel, N.K. and Das, P.K. Unidirectional solid burst correcting integer codes. *Journal of Applied Mathematics and Computing*, 68 (5), 3163-3178, 2022.
- Pokhrel, N.K., Das, P.K. and Radonjic, A. Integer codes capable of correcting burst asymmetric errors. *Journal of Applied Mathematics and Computing*, 69 (1), 771-784, 2022.
- Radonjic, A., Pokhrel, N.K. and Radonjic, A. Integer codes correcting burst errors within two bytes. *Computational and Applied Mathematics*, 42 (3), 128, 2023.
- Pokhrel, N.K. and Das, P.K. Probability of erroneous decoding for integer codes correcting burst asymmetric/unidirectional/symmetric errors within a byte and up to double asymmetric errors between two bytes. *Kuwait Journal of Science*, 50 (2), 75-82, 2023.
- Das, P.K. and Pokhrel, N.K. Asymmetric solid burst correcting integer codes. *Kuwait Journal of Science*, 2023, doi: 10.1016/j.kjs.2023.08.005.

- Das, P.K. and Pokhrel, N.K. Asymmetric CT-burst correcting integer codes. In *5th International Conference on Information Systems and Computer Networks (ISCON), IEEE Xplore*, 2021, doi: 10.1109/ISCON52037.2021.9702506.

Book Chapters:

- Pokhrel, N.K. A survey on supermodular games. *Advances in Mathematical Sciences*, Empyreal Publishing House, ISBN: 978-81-942475-9-3, 2019.
- Pokhrel, N.K. A survey on some examples and computations in supermodular games. *Recent Trends in Mathematical Sciences*, Lambert Academic Publishing, ISBN: 978-620-0-32416-0, 2019.

Books:

- Co-author of the book "A Basic Course in Mathematics for Polytechnic, Volume III." *Mahaveer Publication*, 2018.

Reviewer:

- IEEE Transactions on Computers.

Papers Presented in Conferences:

- Integer codes correcting simultaneous bursts. At *OHEPEE Sponsored International Conference on Advanced Mathematical Analysis and its Applications*, Berhampur Uiversity, Odhisa, India, 2020.
- Integer codes correcting asymmetric bursts within a byte and connected between two adjoining bytes. At *International Conference on Advances in Mathematics*, *Science and Technology*, Rajiv Gandhi University, Arunachal Pradesh, India.

- Integer codes correcting asymmetric bursts connected between two adjoing bytes. At *National Conference on Application of Mathematical Tools in Social Sciences and Sciences*, Zakir Husain Delhi College, University of Delhi, India, 2020.
- Asymmetric solid burst correcting integer codes. At *International Scientific Conference, Innovative STEM Education*, Bulgarian Academy of Sciences, Sofia, Bulgaria, 2023.

Workshop/FDP/SDP:

- Short term training program of 21 days on Refresher Course *"Cirruculum Design Approaches in Technical and Vocational Education and Training"* at National Institute of Technical Teachers' Training and Research, Kolkata, India, 2017.
- Attended International Workshop on *"Game Theory and Networks"* at Dibrugarh University (Jointly with Queen's University, Belfast), India.
- Faculty development program of 1 week on "*National Education Policy, 2020*" at Assam Don Bosco Universtiy, Sonapur, Assam, 2023.

Declaration:

I hereby declare that the facts given above are genuine to the best of my knowledge and belief.