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Subject Specialization : Functional Analysis, Topology.

Areas of Research Interest : Ideal and statistical convergence, statistical convergence in probability.

No. of Ph.D. students : **Supervised:** (2)

Achievement & Awards : Gold Medalist in M.Sc (2006), NET C.S.I.R (JRF) (2007), State Government fellowship (2007), GATE Qualified (2008).

Professional Experiences :

[1] Kalyani Govt. Engineering College, West Bengal-741235, India, August 2010 to June 2015.

[2] Netaji Subhas Open University, School of Sciences, Kalyani, Nadia, West Bengal-741235, India. June 2015 to September 2018.

[4] University of North Bengal, Department of Mathematics, Raja Rammohunpur, Darjeeling, West Bengal-734013, India, September 2018 to till date.

Additional Information:

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Selected Publications:

- [1] S. Ghosal, A Ghosh, Rough weighted I -limit points and weighted I -cluster points in θ -metric space, *Mathematica Slovaca*, Vol. 70, No. 3 (2020), pp. 667-680.
- [2] S. Ghosal, M. C. Lisan-Garcia, M. Mondal, M. Banerjee, Influence of θ -metric spaces on the diameter of rough weighted I_2 - limit set, *Filomat*, Vol. 34, No. 3 (2020).
- [3] S. Ghosal and A. Ghosh, When deviation happens between rough statistical convergence and rough weighted statistical convergence, *Mathematica Slovaca*, Vol-69, No. 3 (2019), pp. 871–890.
- [4] S. Ghosal and M. Banerjee, Effects on rough I -lacunary statistical convergence to induce the weighted sequence, *Filomat*, Vol-32, No. 10 (2018), pp. 3557–3568.
- [4] S. Ghosal and S. Som, Different behaviors of rough weighted statistical limit set under unbounded moduli, *Filomat*, Vol-32, No. 7 (2018), pp. 2583–2600.
- [5] P. Das, S. Ghosal, A. Ghosh and S. Som, Characterization of rough weighted statistical limit set, *Mathematica Slovaca*, Vol-68, No. 4 (2018), pp. 881-896.
- [6] P. Das, S. Ghosal and S. Som, Different types of quasi weighted statistical convergence in probability, *Filomat*, Vol-31, No. 5 (2017), pp. 1463-1473.
- [7] S. Ghosal, Generalized weighted random convergence in probability, *Applied Mathematics and Computation*, Vol-249 (2014), pp. 502-509.
- [8] S. Ghosal, Statistical convergence of a sequence of random variables and limit theorems, *Applications of Mathematics*, Vol-58, No. 4 (2013), pp. 423-437.
- [9] P. Das, S. Ghosal and S. Pal, Extending asymmetric convergence and Cauchy condition using ideals, *Mathematica Slovaca*, Vol-63, No. 3 (2013), pp. 545-562.
- [10] P. Das, E. Savas and S. Ghosal, On generalizations of certain summability methods using ideals, *Applied Mathematics Letters*, Vol-24 (2011), pp. 1509-1514.
- [11] P. Das, S. Pal and S. Ghosal, Some further remark on ideal summability in 2-normed spaces, *Applied Mathematics Letters*, Vol-24 (2011), pp. 39-43.
- [12] P. Das and S. Ghosal, When I -Cauchy nets in complete uniform spaces are I -convergent, *Topology and its applications*, Vol-158 (2011), pp. 1529-1533.
- [13] P. Das and S. Ghosal, On I -Cauchy nets and completeness, *Topology and its applications*, Vol-157 (2010), pp. 1152-1156.
- [14] P. Das and S. Ghosal, Some further results on I -Cauchy sequences and condition (AP), *Computer and Mathematics with Application*, Vol-59 (2010), pp. 2597-2600.