Research Publications- DR AMARTYA NEOGI

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Journal Papers

1. **A. Neogi,** S.K.Mandal**,** "Application of Fuzzy logic in Employees performance Evaluation", Indian Science Cruiser, May 2007.
2. **A. Neogi,** S.K.Mandal**,** "Extended Fuzzy logic in Student Evaluation", Indian Science Cruiser, August 2007.
3. **A.Neogi,** A.C.Mondal, S.K.Mandal**,** "A Fuzzy Modeling approach to evaluate Faculty Performance", ACM Ubiquity, Vol. 9, Issue 15, April 15-21,2008.
4. **A. Neogi,** A.C.Mondal, S.K.Mandal**,** " Evaluation of equal grade students using fuzzy logic", International Journal of Information And Computing Science, Vol.13, No.1, June 2010.
5. **A. Neogi,** A.C.Mondal, S.K.Mandal**,** "A cascaded fuzzy inference system for university non-teaching staff performance appraisal", Journal of Information Processing Systems, of Korea Information Processing Society, Vol. 7, No. 4, pp. 595-612, 2011.
6. S.Ray, A.C.Mondal**, A. Neogi,** "Studies on performance evaluation of homeopathic treatment in hypertension using principal component analysis", IMS Manthan, , vol. X, Issue I, Jan-June, 2015
7. S.Ray, A.C.Mondal, **A.Neogi**, "Studies on performance evaluation of homeopathic medicine for essential hypertension using fuzzy systems", Indian Science Cruiser, Vol.29, No.2, pp.34-49, March 2015.
8. S. Sengupta, **A.Neogi**, "A study on optimize skip stop service using genetic algorithm in selected Indian Railway division", International Journal of Computer Sciences and Engineering, Vol.3, Issue-7, pp.124128, 2015.
9. S. Sengupta, **A.Neogi,** "Optimization of Train speed in heavy density of Indian railway traffic using genetic algorithm", International Journal of Science and Research, Vol. 5, Issue 4, pp.1141-1145, April, 2016.
10. S. Sarkar, **A. Neogi,** P. Das, "Modeling Enterprise Resource Planning of TISCO: A Petri Net Approach", Indian Science Cruiser, Vol.30, No.4, pp.15-21, July 2016.
11. S. Ray, A.C Mondal, P. Mukhopadhyay, **A. Neogi,** "A Computational model to identify the manner of death in head injury using classification methods", (in review).
12. S.Ray, A.C.Mondal, **A. Neogi**, "A study to evaluate symptoms in essential hypertension using random forest decision tree algorithm", Indian Science Cruiser, Vol 31, No: 04, pp. 28-35, 2017.
13. **A Neogi** et al, "Silver Colloidal Nanoparticle, a safe natural alternative immunity booster for combating pathogens including SARS-CoV2: An overview", Indian Science Cruiser, pp. 38-49, May 2020.
14. **A Neogi** et al., "Silver Nanoparticle – The one answer to various diagnoses", The Lancet, Elsevier, 2020, (in review).
15. **A Neogi** et al., "Silver Nanoparticle – Combating Covid 19", The New England Journal of Medicine, 2020, (in review).
16. A Neogi et al, http://www.i-scholar.in/index.php/ISC/article/view/175441

17. A. Neogi,S.Majumder et al, "Methodical approach to inactivate any microbial element like Sars-Cov2, National Academy of Science Letter, Vol. 45(4), pp. 343-348, 2022.

18. A.Neogi, "A study on the outcome of Inter-national travel during Pandemic like Covid-19 using Z fuzzy number, Annals of APC E-Journal, Vol 1(1), 2022.

Conference (National & International) Papers

1.**A.Neogi,** A.C.Mondal, S.K.Mandal**,** "A Fuzzy Mathematical Modeling in Faculty Evaluation", In International Conference on Frontier of Mathematics & Applications, Jan. 16-18,2008, Dept. of Maths., Burdwan University

2. **A. Neogi,** A.C.Mondal, S.K.Mandal**,** " Fuzzy logic in Education: Sharping the future of education", In 16th W.Bengal State Science & Technology Congress, Org. Burdwan University, 28th Feb-1st March, 2009

3.**A. Neogi,** A.C.Mondal, S.K.Mandal**,** " Fuzzy evaluation of Students Rank using automatically adjusted question marks", In National Conference on Recent Trends in Engg. & Education, Org. NITTTR, Kolkata, 28th Feb., 2010.

4.**A. Neogi,** A.C.Mondal, S.K.Mandal**,** " A fuzzy system for faculty selection using automatically adjusted selection marks", In National Conference on Computing & Systems, Org. Dept. Comp. Sc., Burdwan University,, 29th Feb., 2010.

5.**A. Neogi,** A.C.Mondal, S.K.Mandal**,** "College teachers' performance appraisal using weighted fuzzy reasoning", Proceedings of ICCS, Burdwan University, 19-20 Nov., pp. 156-162, 2010.

6. **A. Neogi,** A.C.Mondal, S.K.Mandal**,** "E-learning course evaluation using fuzzy numbers associated with degrees of confidence", Proceedings of International Conference on Scientific Paradigm Shift in Information Technology & Management, Institute of Engineering & Management, Kolkata, 5-6 January, 2011.

7.**A. Neogi,** A.C.Mondal, S.K.Mandal**,** "The fuzzy TOPSIS method for engineering students' performance evaluation in an industrial automation area", Proceedings of National Conference on Industrial Engineering, WBUT, Kolkata 17-18 Feb., 2011.

8. **A. Neogi,** A.C.Mondal, S.K.Mandal**,** "A study of development of soft computing in evaluation of gifted students", *in Proceedings of* UGC Sponsored National symposium on Emerging Trends in Computer Science (ETCS 2012), Org. by Dept of Comp. Science Barrackpore Rastraguru Surendranath College, pp.101-105, 20-21 Jan. 2012.

9. **A. Neogi,** A.C.Mondal, S.K.Mandal**,** "Adaptive neuro-fuzzy inference system approach to engineering faculty training quality evaluation", *Proceedings of International Conference on Engineering education in the New Century, Org. by* Sir J.C. Bose School of Engineering, pp. 202-205, 03-04 Feb., 2012.

10. **A. Neogi,** A.C.Mondal, S.K.Mandal**,** "Student learning style, evaluation in e-learning framework using a back propagation neural network method", *Proceedings of 2nd National Conference on Emerging Trends in Educational Informatics (ETEI-2011), Org. by* National Institute of Technical Teachers' Training & Research, Kolkata ,pp. 01-06,16-17 Feb., 2012.

11.**A. Neogi,** A.C.Mondal, S.K.Mandal**,** "Efficiency evaluation of Emerging Technology in Vocational Education Based on Soft Computing", in *Proceedings National Seminar of Emerging Trends in Technical and Vocational Education (ETTVE-2012) Org. by* National Institute of Technical Teachers' Training & Research, Kolkata ,15-16 March, 2012.

12.S.Ray, A.C.Mondal, **A. Neogi,** "A Study of the Development of Principal Component Analysis using Neural Network in Assessment of Higher Education System ", in *Proceedings of Second National Conference on Computing and Systems-2012 (NACCS 2012) Org. by Dept. of Computer Science, Burdwan University,* 15-16 March, 2012.

13. **A.Neogi**, R.K.Deogharia, "A literature review: Role of ICT based library and information services in ODL", National Seminar on Emerging Trends in Academic Libraries, *Org. Indian Institute of Technology, KGP, August 21, 2015.*

14.**A.Neogi**, R.K. Deogharia, "Internet of Things (IoT):Evolution, Applications, Challenges and Future Directions", *Conference-IICB2, Mallabhum Institute of Technology, 11th Sept, 2015.*

15. A.Neogi, P. Ruj, "A survey of Data classifier current approaches and research scope for Private Engineering College Campus Placement Prediction in West Bengal", 5th International Conference on Computational Intelligence and Networks", cineconf.org, 2022.

Papers communicated

1. **A. Neogi,** S.K.Mandal**,** "Application of Fuzzy logic in Student Evaluation", In International Conf. on modeling & simulation, CITICOMS 27-29 August, 2007.

2. **A. Neogi,** A.C.Mondal, S.K.Mandal**,** "Application of Fuzzy logic in Human Resource Management", In 12th International & 43rd National Conference of Indian Academy of Applied Psychology,7-9 February, 2008, by Calcutta University, NITTTR & ISI, Kolkata.

Edited Book Chapter

1. **A. Neogi,** A.C.Mondal, S.K.Mandal**,** "Computational Intelligence using Type-2 Fuzzy Logic Framework", Handbook of Research on Computational Intelligence for Engineering Science and Business, IGI Global, USA (published Nov. 2012).

2. A. Neogi, "Studies on Computational Intelligence based on the behavior of Cockroachs"**,** Handbook of Research on Swarm Intelligence in Engineering. IGI Global, USA, 2015, pp. 102-152.

Other Publications-

Several publications in a Begnali magazine Computer Jagat by Jadavpur University scholars in the related areas of soft computing from 2007 onwards.

Reviewer

1. Proceedings of the National Academy of Sciences, Physical Sciences (NASA), Springer India.
2. Educational Research And Reviews, www.academicjournals.org
3. Paper reviewer of 2nd International Conference on Computing & Systems, Dept. of Comp. Sc., Burdwan University, 2013.
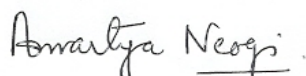
Professional Membership: Life Member of Indian Statistical Institute (ISI) Library, Documentation & Information Science Division, Kolkata.

PERSONAL DETAILS

Date of Birth	:	06.10.1974
Father's Name	:	Late Bibhutosh Neogi
Marital Status	:	Married
Nationality	:	Indian
Languages Known	:	Bengali, English and Hindi.
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Reference can be provided on request.

Declaration : *I hereby declare that the above information provided by me are correct.*

Amartya Neogi.

DR. AMARTYA NEOGI