



Associate Professor

School of Mathematical & Computational
Science

Department: Computer Science &
Information Technology (CSIT)

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Dr. Shrabanti Mandal

Qualification:

Ph.D from National Institute of Technology, Durgapur.

M.Tech(CSE) from Samrat Ashok Technological Institution, Vidisha, Madhya Pradesh.

B.Tech (IT) from Govt. College of Engineering & Textile Technology, Serampore, Hooghly, West Bengal

Area of Interest/Specialization: Data Mining, Fuzzy Logic, Machine Learning, Optimization Techniques , IoT.

Working Experience:

1. Assistant Professor, National Institute of Technology, Srinagar, Jammu & Kashmir from 31st March 2021 to 28th October,2022.
2. Assistant Professor, Dr. Harisingh Gour Central University, Sagar, Madhya Pradesh from 6th June, 2013 to 30th March,2021.

List of research papers published:

1. Shrabanti Mandal, Anita Pal “Website Search Technique Using K-Means Algorithm”*GESJ (International Journal): Computer Science and Telecommunications*. (ISSN 1512-1232), Vol.3 No.39, pp. 112-117, 2013, USA. (Impact Factor-.8125)

2. ShrabantiMandal, Anita Pal “Design and Analysis of Algorithm to Search Documents with misspelled Input” National workshop on “*Annals of Pure and Applied Mathematics (ISSN: 2279-087X (P), 2279-0888(online), Vol. 5, No.1, 2013, 47-52, 13 November 2013.*
3. Shrabanti Mandal, Anita Pal “New Approach Of Text Mining In R”*GESJ (International Journal): Computer Science and Telecommunications.* (ISSN 1512-1232), Vol.1 No.45, pp. 30-36, 2015, USA. (Impact Factor-.8125)
4. Shrabanti Mandal,Girish Kumar Singh,Anita Pal,” A Hybrid Text Summarization Approach”, Journal of Informatics and Mathematical Sciences, **ESCI**, Vol 9, Issue 3, 2017, Web of Science.
5. Girish Kumar Singh, Shrabanti Mandal, “Cluster Analysis using Rough Set Theory”, Journal of Informatics and Mathematical Sciences, **ESCI**, Vol 9, Issue 3,2017,pp-509-520,Web of Science. ISSN 0975-5748(online); 0974-875X(print)
6. Shrabanti Mandal,Girish Kumar Singh,Anita Pal,” PSO Based Text Summarization Approach Using Sentiment Analysis”, *Advances in Intelligent Systems and Computing* ,**Springer** ,Vol 810,p.p.- 845-854, 2019, https://doi.org/10.1007/978-981-13-1513-8_86.
7. Shrabanti Mandal,Girish Kumar Singh,Anita Pal ,”A Constraints Driven PSO Based Approach for Text Summarization “,*Journal of Informatics and Mathematical Sciences*, **ESCI**, Vol-10,Issue 4(2018),Web of Science, pp-703-714.
8. Shrabanti Mandal,Girish Kumar Singh,Anita Pal,” Text Summarization Technique by Sentiment Analysis and Cuckoo Search Algorithm”, *Advances in Intelligent Systems and Computing* 1025, **Springer**, 2020, pp-357-366.
9. Girish Kumar Singh, Shrabanti Mandal,” Discretization of Unlabeled Data using RST & Clustering”, *Journal of Informatics and Mathematical Sciences*, **ESCI**, Vol 11, Issue 1, 2019, pp-31-40.Web of Science.
10. Shrabanti Mandal, Girish Kumar Singh, LSA Based Text Summarization,” *International Journal of Recent Technology and Engineering (IJRTE)* “SCOPUS. ISSN: 2277-3878, Volume-9 Issue-2, July 2020, pp-150-156. Retrieval Number: B3288079220/2020©BEIESP DOI:10.35940/ijrte.B3288.079220

List of Workshop Attended

1. Self-Sponsored Workshop on "Signed Graphs and Semi Graphs" at National Institute of Technology,Durgapur,West Bengal,India during October 3-7 ,2016.
2. Six Days Workshop on "Women Connecting for Leadership & Change for SC Women Faculty in Higher Education" Organized by Rajib Gandhi National Institute of Youth Development,Sriperumbudur,Tamilnadu in Collaboration with Mahila Mahavidyalaya Nandanvan,Nagpur ,India during 30th October to 4th November 2015.
3. NAAC Sopsnored Workshop on “Assessment and Accreditation by NAAC” an IQAC and Academic Staff College Collaboration at Dr. Harisingh Gour Vishwavidyalaya,Sagar,MP during 28-29 March 2014.
4. Faculty Development Programme in Enterpreneurship Sopsnored by NSTEDB, Department of Science & Technology,Govt. of India,New Delhi at Sagar ,Madhya Pradesh, India during 05-16 May 2014.

Conferences Attended/Paper or Poster Presented

- 1.“All India Seminar on ICT for Rural Development Access and Applications(ICTRD-2009) “ Organized By The Institution of Engineers(India),Udaipur Local Centre during September 11-12 ,2009 at Udaipur,India.(Paper Title: “Meta –Clustering Technique for Document Searching”)
- 2.National Level Conference on Current Scenario in Pure and Applied Mathematics held at Kongunadu Arts and Science College(Autonomous),Coimbatore,TamilNadu on 22 &23 December 2016,sponsored by Indian Science Congress Association, Coimbatore Chapter.(Paper Title: “A Hybrid Text Summarization Approach, Accepted”)
- 3.International Conference on Interface of Physical,Chemical and Biological Sciences organized by School of Physical ,Chemical and Biological Sciences at Dr. Harisingh Gour Vishwavidyalaya,Sagar, sponsored by MP, sponsored by DST, during 11-13 January 2017. (Paper Title:” Hybrid Approach for Searching a Document by Misprint Keywords”)

Orientation/Refresher Course Attended

1. UGC Sponsored 52nd Orientation Programme at Academic Staff College , Dr. Harisingh Gour Vishwavidyalaya,Sagar, Madhya Pradesh , India during 10th November to 07th December 2014.
2. UGC Sponsored Interdisciplinary refresher Course on "Pedagogy of Science, Humanities and Technology" at UGC-Human Resource Development Centre ,Dr. Harisingh Gour Vishwavidyalaya,Sagar, Madhya Pradesh ,India during 10-30 December, 2015.