



Mr. Debabrata Datta

Department: Computer Science

Designation: Assistant Professor

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Qualification: MCA, M.Tech.(CSA)(First Position), MIETE

Short Profile: Prof. Debabrata Datta has many years of teaching experience both at the undergraduate and postgraduate level of Computer Science and Applications. His main research interest is in the domain of data analysis. He is a Life Member of Institution of Electronics and Telecommunication Engineers.

Courses taught:

Data Warehousing and Data Mining, Cryptography and Network Security, Socket Programming, Computer Networks, Object Oriented Programming, Microprocessor, Database Management Systems, Data Structures, Introduction to Programming, Computer Fundamentals

Publications in journals and conferences:

1. **Debabrata Datta**, Saptarshee Bhowmick, Soumyadeep Das, Sritama Das, "Brain Tumor Identification using Machine Learning Tools", Aviskaar, Vol XII, January, 2020, pp:49 -61, ISSN:2277 - 8411.
2. **Debabrata Datta**, Srijita Majumdar, Olie Sen, Aparna Sen, "Mood and Vulnerability Prediction through Natural Language Processing", International Journal of Innovative Technology and Exploring Engineering (IJITEE), Volume 9, Issue 2, pp. 1335 - 1345, December, 2019, ISSN: 2278 - 3075, DOI: 10.35940/ijitee.B6158.129219.
3. **Debabrata Datta**, Abhradeep Dey, Adityam Ghosh, Rishabh Tiwari, "Generation of Facial Drawings using Generative Adversarial Networks", International Journal of Engineering and Advanced Technology (IJEAT), Volume 8, Issue 6, pp. 746 - 750, August, 2019, ISSN: 2249 - 8958, DOI: 10.35940/ijeat.F7988.088619.

4. **Debabrata Datta**, Anubhav Kumar Roy, Suchandra Roy, Upasana Roy, "Mood Analysis using Neural Networks", International Journal of Engineering and Advanced Technology (IJEAT), Volume 8, Issue 6, pp. 736 - 740, August, 2019, ISSN: 2249 - 8958, DOI: 10.35940/ijeat.F7987.088619.
5. Soumick Chatterjee, Pramod George Jose, **Debabrata Datta**, "Text Classification Using SVM Enhanced by Multithreading and CUDA", International Journal of Modern Education and Computer Science (IJMECS), Volume 11, Number 1, pp. 11 - 23, January, 2019, DOI: 10.5815/ijmeecs.2019.01.02.
6. **Debabrata Datta**, Atindriya De, Deborupa Roy, Soumodeep Dutta, "Apriori Algorithm using Hashing for Frequent Itemsets Mining", International Journal of Education and Management Engineering (IJEME), Volume 8, Number 6, pp. 46 - 58, November, 2018, DOI: 10.5815/ijeme.2018.06.05.
7. **Debabrata Datta**, Mark Pratik Dutta, Ranjini Mukherjee, "Improvisation in Efficiency of Apriori Algorithm for Mining Frequent Itemsets", International Journal of Computer Sciences and Engineering (IJCSE), Volume 6, Issue 8, pp. 424 - 428, August, 2018, E-ISSN: 2347 - 2693.
8. **Debabrata Datta**, Anisha Mitra, Debmalya Nag, Nilanjana Roy Choudhury, "Text Categorization using Apriori Algorithm", International Journal of Computer Sciences and Engineering (IJCSE), Volume 6, Issue 8, pp. 212 - 217, August, 2018, E-ISSN: 2347 - 2693.
9. **Debabrata Datta**, Aritra Koley, Asmita Sarkar, Sayan Chatterjee, "Precomputing Shell Fragments for OLAP using Inverted Index Data Structure", International Journal of Computer Sciences and Engineering(IJCSE), Vol.6, Issue 1, pp. 24 - 30, January, 2018, E-ISSN: 2347-2693.
- 10.**Debabrata Datta**, Kashi Nath Dey, "Application of Materialized View in Incremental Data Mining Operation", International

Journal of Information Technology and Computer Science (IJITCS),
Vol.9, No.6, pp. 43-49, 2017. DOI: 10.5815/ijitcs.2017.06.06

11. Anurag Sarkar, **Debabrata Datta**, "A Frequency Based Approach to Multi-Class Text Classification", International Journal of Information Technology and Computer Science (IJITCS), Volume - 9, Number - 5, 2017, pp. 15 - 22, DOI: 10.5815/ijitcs.2017.05.03.
12. Sourav Kumar Mitra, Payel Saha, Sayan Mukhopadhyay, **Debabrata Datta**, "Porter's stemmer - a review", at International Conference on Computational Science and Engineering held on 4 - 6 October, 2016 at RCC Institute of Information Technology, pp: 59 - 64, ISBN: 978-1-4987-8461-0.
13. **Debabrata Datta**, Kashi Nath Dey, Payel Saha, Sayan Mukhopadhyay, Sourav Kumar Mitra, "A Method of View Materialization using Genetic Algorithm", at IOSR Journal of Computer Engineering, Volume - 18, Issue - 2 (March - April, 2016), ISSN: 2278 - 0661, pp: 125 - 133.
14. **Debabrata Datta**, Kashi Nath Dey, "A Soft Computing Approach of Materialized View Creation", at the Third International Conference on Business and Information Management held on 9 - 11 January, 2016 at National Institute of Technology, Durgapur; adjudged for the Best Paper Award in Information Management 1 track.
15. **Debabrata Datta**, Kashi Nath Dey, "Materialized View Generation using Apriori Algorithm", at International Journal of Database Management Systems, Volume - 7, Number - 6 (December, 2015), ISSN: 0975 - 5705, pp: 17 - 27.
16. Anurag Sarkar, Saptarshi Chatterjee, Writayan Das, **Debabrata Datta**, "Text Classification using Support Vector Machine", at International Journal of Engineering Science Innovation, Volume - 4, Issue - 11 (November, 2015), ISSN: 2319 - 6734, pp: 23 - 28.
17. Amit Anand, Rabishankar Khanra, Tejan Agarwal, **Debabrata Datta**, "Incremental Data Clustering using a Genetic Algorithmic

Approach", at International Journal of Science and Applied Information Technology, Volume - 4, Number - 2 (March - April, 2015), ISSN 2278-3083, pp: 8 - 11.

18. Prasita Mukherjee, Pritha Guha, Riya Samanta, **Debabrata Datta**, "Analysis of Kolkata as a Tourist Destination - A Data Mining Approach", at Aviskaar, Vol VII, Jan 2015, pp:19 - 26, ISSN:2277-8411.
19. Sushmita Pramanik, Shubham Chatterjee, Aparajita Datta, **Debabrata Datta**, "An Algorithm on Alert Generation for Proximity Sensing in Real Time Video Streams", at International Journal of Advances in Computer Science and Technology, Volume - 3, Number - 11 (November, 2014), ISSN 2320 -2602, pp:479 - 484.
20. Aparajita Datta, Sushmita Pramanik, Shubham Chatterjee, **Debabrata Datta**, "Polychromatic Path Identification for Multiple Objects from a Video", at International Journal of Advanced Trends in Computer Science and Engineering, Volume - 3, Number - 4 (July-August, 2014), ISSN 2278-3091, pp:71 - 75.
21. Amit Anand, Rabishankar Khanra, Tejan Agarwal, **Debabrata Datta**, "Data Clustering using a Genetic Algorithmic Approach", at International Journal of Advanced Trends in Computer Science and Engineering, Volume - 3, Number - 4 (July - August, 2014), ISSN 2278-3091, pp: 67 - 70.
22. Rupali Naha, Antariksha Ray, Priteem Sarkar, **Debabrata Datta**, "Moving Objects Tracking in Real Time Video and Plotting Their Path of Movement", at International Journal of Advanced Computer Research, Volume - 4, Number - 1, Issue - 14, March, 2014, ISSN(print): 2249-7277, ISSN(online): 2277-7970.
23. Kashi Nath Dey, **Debabrata Datta**, "Materialized View - A Novel Approach", at the Second International Conference on Computing and Systems - 2013 held on 21-22 September, 2013 at The University of Burdwan, pp: 280 - 282, ISBN-978-9-35-134273-1.

24. Shreyasi Dey Das, Falguni Saha, **Debabrata Datta**, "Sales Analysis and Sales Planning of an Enterprise with a Business Intelligence Approach" at Aviskaar, Vol V, Jan 2013, pp: 30 - 38, ISSN:2277-8411.
25. Soumya Sen, **Debabrata Datta**, Nabendu Chaki, "An Architecture to maintain Materialized View in Cloud Computing", at the International Conference on Computing Sciences, Turing100 held on 14 - 15 September, 2012 at Lovely Professional University, Punjab, pp. 361 - 366, ISBN-13:978-0-7695-4817-3.
26. Anal Acharya, **Debabrata Datta**, Soumen Mukherjee, "A Study on Use of ICT in Indian Education" at the UGC sponsored seminar on ICT in Higher Education-Opportunities and Challenges in the 21st Century held on 28th March, 2012 at St.Xavier's College, Kolkata (Autonomous), pp. 18 - 23, ISBN: 978-81-924140-0-3.
27. Anal Acharya, Soumen Mukherjee, **Debabrata Datta**, "UML Based Modeling for Systolic Array Processor" at the International Conference on Trends and Advances in Computation and Engineering (TRACE 2010) held on 25 - 26 February, 2010 at Barkatullah University, Bhopal, pp. 1465 - 1470, ISBN: 978-81-8387-398-7.
28. **Debabrata Datta**, Soumen Mukherjee, Anal Acharya, "Patenting Software: An Ethical Issue" at the International Conference on Business Ethics and Corporate Social Responsibilities (ICBECSR'09) held on 3 - 5 December, 2009 at KLMR, Belgaum, pp. 276 - 280, ISBN: 023-032-825-3.
29. Soumen Mukherjee, **Debabrata Datta**, Anal Acharya "Object Oriented Modeling of DCT: A Classic Signal Processing Architecture", at the International Conference in Information Technology and Business Intelligence (ITBI 09) held on 6 - 8 November, 2009 at Institute of Management Technology, Nagpur.

Seminar / Workshops / Orientation Program / Refresher Course attended:

1. Seminar on Information Processing in the Paradigm of Computational Biology organized by Department of Computer Science and Electronics, Ramakrishna Mission Vidyamandira, Belur on 18th February, 2020.
2. Technical Seminar on Your Journey Towards Safe & Secure Code organized by Liverpool Data Research Associates (LDRA) held at Novotel Hotel, Kolkata on 11th February, 2020.
3. Seminar on Data Science - The Key to The Future organized jointly by the Departments of Computer Science and Statistics, St. Xavier's College (Autonomous), Kolkata in collaboration with Data Science Foundation on 22nd July, 2019.
4. Short Term Training Program on IP Networking held at National Institute of Technical Teachers' Training and Research, Kolkata from 10th June, 2019 to 21st June, 2019.
5. Seminar on Intellectual Property Law and Internet organized by the Computer Centre and Central Computing Facilities, St. Xavier's College (Autonomous), Kolkata on 10th October, 2018.
6. Workshop on Big Data Analytics organized by the Department of Computer Science, Ramakrishna Mission Vivekananda Educational and Research Institute on 2nd June, 2018.
7. International Seminar on Emerging Issues on the Interface of Science and Religion organized by the Goethals Indian Library & Research Society, Physics and EVS Departments, St. Xavier's College (Autonomous), Kolkata on 18th and 19th February, 2018.
8. Seminar on Enterprise Digitization and Cyber Security organized by the Department of Computer Science, Department of Information Technology (Commerce) in association with Academic Council and Internal Quality Assessment Cell, St. Xavier's College (Autonomous), Kolkata on 21st December, 2017.

9. Workshop on GST through Computerized Accounting organized by the Department of Information Technology (Commerce), St. Xavier's College (Autonomous), Kolkata in collaboration with Silicon Systems, Kolkata on 19th December, 2017.
10. UGC sponsored Refresher Course on VLSI Design: Issues and Challenges organized by Human Resource Development Center, Jadavpur University from 28th November, 2016 to 17th December, 2016.
11. Seminar on Cyber Law organized by the Department of Computer Science, St. Xavier's College (Autonomous), Kolkata on 21st December, 2016.
12. Seminar on MATLAB & Simulink organized by the Department of Computer Science, St. Xavier's College (Autonomous), Kolkata in association with Elmax Projects and Services Private Limited on 18th December, 2015.
13. Workshop on Human Values Development Program organized by All India Association for Christian Higher Education on 18th November, 2015.
14. Workshop on Linux Administration & Virtualization organized by the Department of Computer Science, St. Xavier's College (Autonomous), Kolkata on 22nd December, 2014.
15. UGC sponsored Orientation Program organized by Human Resource Development Center, Jadavpur University from 17th June, 2013 to 13th July, 2013.
16. Workshop on Information Retrieval organized by the Department of Computer Science, St. Xavier's College (Autonomous), Kolkata

in association with Information Retrieval Society of India on 27th March, 2011.

17.UGC Sponsored National Seminar on Professionalism in Teacher Education organized by the Department of Education, St. Xavier's College (Autonomous), Kolkata on 21st and 22nd February, 2011.

18.Workshop on MATLAB and Simulink Toolboxes organized by the Department of Computer Science, St. Xavier's College (Autonomous), Kolkata in association with Computer Society of India, Kolkata Chapter on 2nd October, 2010.

19.Seminar on Modeling & Simulation Techniques for Computational Problems using MATLAB organized by the Department of Computer Science, St. Xavier's College (Autonomous), Kolkata in association with Computer Society of India, Kolkata Chapter on 1st October, 2010.

20.Workshop on Innovative Teaching and Learning Method organized by B.P.Poddar Institute of Management and Technology in association with Wipro Ltd. from 12th April, 2010 to 17th April, 2010.

21.Seminar on Introduction to Nanotechnology and Some Applications of Nanoparticles organized by the Department of Computer Application, RCC Institute of Information Technology, Kolkata on 5th January, 2009.

22.Workshop on Preparing Leaders for Tomorrow's Leaders organized by Scottish Church College, Kolkata in association with United Board for Christian Higher Education in Asia from 8th October to 12th October, 2007.

23. UGC Sponsored National Conference on Report of National Knowledge Commission and Higher Education in India organized by Scottish Church College, Kolkata on 24th and 25th March, 2007.

24. Seminar on Mobile Computing and Network Security organized by the Department of Computer Application, RCC Institute of Information Technology, Kolkata on 9th March, 2007.

25. Seminar on GIS, Remote Sensing & GPS organized by Computer Society of India, Kolkata Chapter on 3rd December, 2005.