

Malaya Dutta Borah

Professional Qualifications:

- PhD (Thesis Submitted) from Delhi Technological University (Formerly Delhi College of Engineering), India
- M.E (Computer Technology and Applications), 1st Class with distinction from Delhi College of Engineering, Delhi University, India
- B.Tech (Computer Science & Engineering) , 1st Class from North Easter Regional Institute of Science and Technology, North Eastern Hill University, India

Work Experience:

- 6 + Years (Teaching in Engineering Colleges)
- 2+ Years (Training, Rural Development at Community Information Centre, Dhakuakhana, under NIC Lakhimpur, Ministry of Communication and Information Technology, Govt. of India)

Courses Taught:

Programming Fundamentals, Data Structure, Computer System Organization, Advanced Computer Architecture, Expert Systems, Multimedia, Electro technology-II, Data Warehouse and Data Mining.

Supervisory Support Provided/ Achievements:

- Phase 1 Consolation Winner (as Faculty Mentor), Texas Instruments Innovation Challenge, India Analog Design Contest 2014, awarded on April 5, 2014 as part of the TI India Educators' Conference 2014 (www.tiiec.in)
- Faculty mentor : Technical events like ACM ICPC 2011, 2013
- No. of M.Tech Thesis guided: 01, B.Tech guided: 03 groups

Research Interest:

- Data Mining, e-governance, Cloud Computing

List of Publications (accepted/published): Google Scholar Citation Indices (till 16/11/2016): Citations (all): 120, h-index: 5, i-10 index :4

- International Journals:**

Sl. No	Title	Authors as they appear (*Corresponding Author)	Name of the Journal	Vol./Year/Page No
1.	Predictive Analytics in Higher Educational Context	Rajni Jindal, * Malaya Dutta Borah	IT Professional, publisher: IEEE Computer Society of India	17(4), 24-33, doi: 10.1109/MITP.2015.68 2015
2.	A novel approach for mining frequent patterns from incremental data	Rajni Jindal, * Malaya Dutta Borah	International Journal of Data Mining, Modelling and Management	8(3),2016, doi: 10.1504/IJMMMM.2016.079071
3.	An approach for high utility incremental pattern mining	Rajni Jindal, * Malaya Dutta Borah	International Journal of Data Analysis Techniques and Strategies	(Accepted : 2016)
4.	A Survey on Educational Data Mining and Research Trends	* Malaya Dutta Borah , Rajni Jindal	International Journal of Database Management Systems	05(03), 53-57,2013 doi: 10.5121/ijdms

- International/ National Conferences:**

Sl. NO	Title	Authors as they appear (*Corresponding Author)	Conference	Organizer, Year of publication
1.	Constraint based Frequent Pattern Mining from Incremental Educational data: Educational Data Mining Approach	*Malaya Dutta Borah, Rajni Jindal	Accepted for publication at the 2016 IEEE International Conference on Teaching and Learning in Education	Universiti Tenaga Nasional, Malaysia, March 1-2, 2016
2.	Constraint based filtering for Incremental Data Mining	*Malaya Dutta Borah, Rajni Jindal	7th IEEE International Conference on Computational Intelligence and Communication Networks	Jabalpur, India, December 12-14, 2015
3.	An approach to generate students response on learning environment using association rule mining	Rajni Jindal, *Malaya Dutta Borah	International Conference on Data Mining and Intelligent Computing (IEEE)	Indira Gandhi Delhi Technical University for Women, Delhi-110006, India, September 5-6, 2014 10.1109/ICDMIC.2014.6954225
4.	EDU-OPT-A Decision Support Tool	Daya Gupta, *Malaya Dutta Borah, Gokul Pandey	Indian Society for Technical Education (ISTE), Delhi Section Convention, On "Technological Universities and Institutions in New	Delhi Technological University September 5-6, 2013

			Knowledge Age: Future Perspectives and Action Plan”	
5.	Application of knowledge based decision technique to Predict student’s enrolment decision	Daya Gupta, Rajni Jindal, *Malaya Dutta Borah	IEEE -2011 International Conference on Recent Trends in Information Systems	Jadavpur University ,Kolkata ,India, December 21-23, 2011
6.	Cost benefit analysis of cloud computing in education	G C Deka, Malaya Dutta Borah	IEEE -2012 International Conference on Computing, Communication and Applications	Dindigul, Tamilnadu, India,22-24 Feb. 2012 , Print IEEE ISBN: 978-1-4673-0270-8,DOI I: 10.1109 / IC CCA.2012.6179142, , 22-24
7.	A Study on Cloud OS	G C Deka, Malaya Dutta Borah	IEEE -2012 International Conference on Communication Systems and Network Technologies	Rajkot, Gujarat, India, 11-13 May 2012, DOI: 10.1109/CSNT.2012.154
8.	Predicting Time Complexity and Accuracy of Branch Decision using Modified Heuristic Function	Rajni Jindal, *Malaya Dutta Borah	3rd Nirma University International Conference on Engineering NUiCONE-2012	Ahmadabad, India, 06-08 December 2012
9.	Role of Cloud Computing in Education	G C Deka, Malaya Dutta Borah	IEEE: 2012 International Conference on Computing, Electronics and Electrical Technologies (ICCEET)	Nagercoil, Tamil nadu, India 21-22 March 2012, DOI:10.1109/ICCEET.2012.6203884
10.	Problems & Prospects of Indian Vocational Training & Education	G C Deka, Malaya Dutta Borah	IEEE International Conference on Technology Enhanced Education (ICTEE)	Amrita Vishwa Vidyapeetham, Kerala, India, 3-5 January 2012,DOI: 10. 1109 / ICTEE .2012 .6 20 8650 ,
11.	A Knowledge Discovery based Decision Technique in Engineering Education Planning	Daya Gupta, Rajni Jindal, *Malaya Dutta Borah	International Conference on Data Mining	Institute of Management Technology Ghaziabad November 17-19, 2011
12.	Problems & Prospects of e-Governance in India	G C Deka, Malaya Dutta Borah	IEEE - 2011 International Conference on World Congress on Information and Communication Technologies	Machine Intelligence Research Labs (MIR Labs) and University of Mumbai, 11-14 December, 2011 DOI:10.1109/WICT.2011 . 6141215
13.	ICT its Role in e-Governance & Rural Development	G C Deka, Malaya Dutta Borah	Advances in Computing and Communications ,First International Conference, ACC 2011	Kochi, India, , Springer Publication ISBN no: 978-3-642-22713-4, 22-24 July, 2011
14.	Infrastructure & Agriculture : The tool for poverty eradication in NER	G C Deka, Malaya Dutta Borah	International Conference on Resource Development and Environmental Change: Emerging Issues and Challenges.	Department of Geography, AMU January 27- 29, 2009
15.	E-waste Disposal : The challenges for environment	G C Deka, * Malaya Dutta Borah		
16.	Application of “Wireless Regional Area Network in creating community Network	G C Deka, * Malaya Dutta Borah	3rd National Conference on “Computing for nation Development” INDIACom-2009	Bharati Vidyapeeth’s Institute of Computer Applications and management, New Delhi-63 February 26 - 28, 2009
17.	ICT: A new horizon for primary education in Rural India	G C Deka, * Malaya Dutta Borah	National conference on Professional Education in Knowledge Economy	University School of Management Studies, GGSJ University, New Delhi July 24, 2008

Faculty Development Program/Seminars/Workshops/ Symposia etc attended:

Sl. No	Title	Duration	Organized by
1.	TEQIP-II sponsored one week FDP on “Advances in Information Security”	18-22 January, 2016	Dept. of Computer Engineering, Delhi Technological University(DTU), Delhi-110042
2.	TEQIP-II sponsored FDP on “Nature Inspired Algorithms & Their Applications”	13-17 July, 2015	Dept. of Electrical Engineering, DTU , Delhi-110042
3.	Academic Workshop on “ Big data and Ontology”	19 th September, 2015	Dept. of Electrical Engineering, IIT Delhi, Delhi-16
4.	One day workshop on Intellectual property Rights Awareness	26 th September 2014	DeitY, Dept. of Electronics and Information Technology, Ministry of Communications and IT, Govt. of India, conducted by Indira Gandhi Delhi Technical University for Women, Delhi-110006
5.	One week FDP on “Recent Trends in Big Data and Cloud Computing”	6-22 December 2013	Indira Gandhi Delhi Technical University for Women, Delhi-110006
6.	Indian Society for Technical Education (ISTE) ,Delhi Section Convention, On “Technological Universities and Institutions in New Knowledge Age: Future Perspectives and Action Plan	5-6 September 2013	DTU, Delhi-110042
7.	Two day FDP on Data Mining and Semantic Web	14-15 June 2013	Delhi Institute of Advanced Studies , Delhi-110085
8.	Two day workshop on Recent Advances in Software Engineering	20-21 April 2012	DTU, Delhi-110042
9.	One day Seminar cum workshop on Mathematics and Computing	22 March 2012	DTU, Delhi-110042
10.	Two day FDP on Enterprise report delivery roadmap through Data Warehousing and Data Mining	29-30 July 2011	Delhi Institute of Advanced Studies , Delhi-110085
11.	One day Seminar on CAN and CAN Open technology	29 September 2010	DTU, Delhi-110042
12.	One day FDP Cloud Computing, Software Assurance and Testing	18 September 2010	Bharitya Vidyapith College of Management, Delhi-110063 and TCS Delhi
13.	One day workshop on Recent Trends in Software Testing	17 September 2010	DTU, Delhi-110042
14.	Two day National Program on Knowledge power in the world of learning	25-26 August 2008	DTU, Delhi-110042

15.	Two day National Program on Motivation and Orientation Programme for faculty members of Engineering Institutions	22-23 August 2008	DTU, Delhi-110042
16.	One week Training programme for CIC Operators	25 August – 05 September 2002	NIC Guwahati, Assam State Unit, Guwahati- 781005
17.	One day workshop on Patent Awareness	17 October 2000	NERIST, Arunachal Pradesh-791109

Conferences/Workshops organized:

- India International Conference on Information Processing 2016, 12-14 August 2016, Delhi Technological University, Delhi (as Organizing member)
- Two day workshop on Recent Advances in Software Engineering, 20-21 April 2012, Delhi Technological University, Delhi (as Organizing member)
- One day workshop on Recent Trends in Software Testing, 17 September 2010, Delhi Technological University, Delhi (as Organizing member)

Extra-Curricular Activities:

- NSS Group leader at B.Tech level, North Eastern Regional Institute of Science and Technology (NERIST), Arunachal Pradesh
- Various prize holder of sports/cultural activities at institute level (AEI, Assam and NERIST, Arunachal Pradesh)

Membership of Professional Societies:

- Associate member of Computer Society of India (No.: 00173524)