


Name:	Romit S Beed	
Designation:	Assistant Professor (Grade 3)	
Department:	Computer Science	
Date of Join:	16 th August, 2005	
Email:	rbeed@yahoo.com rbeed@sxccal.edu	
Qualification:	<ul style="list-style-type: none"> • M.Sc. (CS) 2003 University of Calcutta • M.Tech. (CSE) 2005 University of Calcutta • Currently Pursuing Ph.D. in Computer Science from Assam University, Silchar 	
Doctoral Research Topic:	“Multi-Objective Optimization Using Computational Intelligence Techniques and its Applications”	
Teaching Experience:	<ul style="list-style-type: none"> • U.G. 15 years of teaching experience. • P.G. 15 years of teaching experience. • Research Guidance 15 years at Master’s Level. 	
Administrative Responsibilities:	<ul style="list-style-type: none"> • Head of the Department, Department of Computer Science (Since July 2019) • Deputy President, St. Xavier’s College Students’ Council (Since July 2009) • Coordinator, Post Graduate Department of Computer Science Previously Prof-in-Charge, Post Graduate Department of Comp. Sc. (April 2006-June 2019) 	
Member:	<ul style="list-style-type: none"> • Board of Studies, Computer Science • Students’ Advisory Council • Consultancy Cell • Placement Cell • College Magazine Committee • Programme and Publication Committee • Games and Sports Committee • Information Resource Committee • Disaster Management Committee • ICT Resource Management Committee • ISO 9001-2015 Core Committee • SXCCAA- St. Xavier’s College Calcutta Alumni Association • ALUMNORUM SOCIETAS – St. Xavier’s School Old Boys’ Association 	
Research Interests:	<ul style="list-style-type: none"> • Multi Objective Optimization • Computational Intelligence Techniques • Database Management Systems • Software Engineering 	

List of papers published in Journals

1. SIGNATURE AUTHENTICATION By Romit Beed, et al. - Aviskaar: A Xaverian Journal of Research – ISSN (Print): 2277-8411 ISSN(Online): 2278-1048. Vol I – 2009.
2. Alternative Keyboard Based on Infrared Technology - Romit S Beed, et al. – Undergraduate Academic Research Journal (UARJ), ISSN: 2278 – 1129, Volume-1, Issue-1, 2012.
3. Colour Spiral Encoding Technique- Romit S Beed, et al. - National Conference on Research And Higher Education In Computer Science And Information Technology, RHECSIT – 2012 (Sponsored by U.G.C.) on February 21 & 22, 2012 in collaboration with Department of Computer Science & Engineering, University of Calcutta.
4. Content Based Image Retrieval System – Romit S Beed, et al. - Aviskaar: A Xaverian Journal of Research – Vol III – 2011.
5. A Study on the Feasibility of E-Learning in the Field of Higher Education, Jayati Ghosh Dastidar, Sonali Sen, Romit S Beed, Ananya Chatterjee, 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), ISBN: 978-81-924140-0-3
6. An Efficient Automated English to Bengali Script Conversion Mechanism - Enakshi Mukhopadhyay, Priyanka Mazumder, Saberi Goswami, Romit S Beed - International Journal of Advanced Computer Research (ISSN (print): 2249-7277 ISSN (online): 2277-7970) - Volume-4 Number-2 Issue-15 June-2014.
7. "GSM based Multi Purpose Alert System", Romit S Beed et al, 1st International Science Congress 2014, 28-31st August 2014, Elsevier, ISBN 978-93-5107-248-5.
8. Solar-Powered GSM Based Multipurpose Alert System, Rana Biswas et al, American Journal of Advanced Computing, Vol. I (2), 36-44, AJECT I Sep – Oct, 2014, ISSN: 2368-1209.
9. Drishti – Automated Machine Interface, Biswarup Nandi, Souvik Sur, Upasana Roy Chowdhury, Romit Beed, International Journal of Computer Architecture and Mobility (ISSN 2319-9229) Volume 3 -Issue 4, June 2015.
10. Traffic Rule Violation Information System TRuVIS - Rana Biswas, Romit S. Beed, Dibyabiva Seth, Proyag Pal, Kaustav Basu, Triparna Mukherjee, International Journal of Advanced Research in Computer Science and Software Engineering, Volume 5, Issue 7, July 2015 ISSN: 2277 128X
11. Solar-Powered Automated Plant/Crop Watering System; Rana Biswas, Romit Beed, Ankita Bhaumik, Shamik Chakrabarty & Raghav Toshniwal; International Journal of Advanced Engineering and Global Technology I Vol-03, Issue-01, January 2015; ISSN No: 2309-4893
12. Microcontroller based automated life savior—Medisur ; S. Chatterjee, P.G. Jose, P. Basak, A. Athar, B. Aravind, R.S. Beed & R. Biswas Computational Science and Engineering: Proceedings of the International Conference on Computational Science and Engineering (Beliaghata, Kolkata, India, 4-6 October 2016) December 12, 2016 by CRC Press. ISBN 9781138029835 - CAT# K30152
13. R. S. Beed, S. Sarkar, A. Roy, "Cash to Cashless Economy: A study on the role of Information Technology" in Proceedings of ICSSR Sponsored National Seminar on Transition to Cashless Economy,

Priorities, opportunities & the Modes and Options organized by Jawaharlal Nehru School of Management Studies, Assam University, Silchar, Sept, 2017.

14. R. S. Beed and S. Sarkar, "A study on the use of information and communication technology in tourism," IEEE, 2017 International Conference on Advances in Computing, Communications and Informatics (ICACCI), Udupi, 2017, pp. 1737-1744. doi: 10.1109/ICACCI.2017.8126095

15. R. S. Beed, S. Sarkar, A. Roy and S. Chatterjee, "A Study of the Genetic Algorithm Parameters for Solving Multi-objective Travelling Salesman Problem," in IEEE, 2017 International Conference on Information Technology (ICIT), Bhubaneswar, 2017, pp. 23-29. doi: 10.1109/ICIT.2017.49

16. Romit S Beed, Ankita Kedia, A Dynamic School Bus Routing System, Aviskaar : A Xaverian Journal of Research Vol X : 2018.

17. Beed R, Roy A, Sarkar S, Bhattacharya D. A hybrid multi-objective tour route optimization algorithm based on particle swarm optimization and artificial bee colony optimization, Computational Intelligence, 2020; 1–26. <https://doi.org/10.1111/coin.12276>

Book Chapter

1. Sunita Sarkar, Arindam Roy, Romit S Beed, From Cash to A Cashless Economy- Need for Digital Competence for a Digital India; Cashless Economy, Mittal Publication. (2019). ISBN-10: 8183249353, ISBN-13: 978-8183249355

2. Romit S. Beed, Sunita Sarkar, Arindam Roy, Durba Bhattacharya, Hierarchical Multi-objective Route Optimization for Solving Carpooling Problem; Proceedings of the Global AI Congress 2019, Springer Singapore - Advances in Intelligent Systems and Computing 1112 (2020), eBook ISBN 978-981-15-2188-1, DOI 10.1007/978-981-15-2188-1

Papers presented in Seminars and Conferences

1. Cash to Cashless Economy: A study on the role of Information Technology; ICSSR Sponsored National Seminar on Transition to Cashless Economy, Priorities, opportunities & the Modes and Options organized by Jawaharlal Nehru School of Management Studies, Assam University, Silchar, 8th to 10th Sept, 2017.

2. A Study On The Use Of Information And Communication Technology In Tourism; 6th International Conference on Advances in Computing, Communications and Informatics (ICACCI), Manipal University, 13-16 Sept 2017.

3. A Study of the Genetic Algorithm Parameters for Solving Multi-Objective Travelling Salesman Problem; 16th International Conference of Information Technology (ICIT 2017), Bhubaneswar, 21st to 23rd Dec, 2017.

4. Romit S Beed, Arindam Roy, Sunita Sarkar, Durba Bhattacharya, "Hierarchical Multi-Objective Route Optimization For Solving Car-Pooling Problem," Global AI Congress 2019, IEM: IC 59.