

Academic Profile



Name: Dr Sisir Kumar Rajbongshi
Permanent Address: Vill & P.O.: Barkhopa, Dist: Baksa, PIN-781367, Assam
Date of Birth: 10/09/1985
Cast: OBC
Religion: Hinduism
Email: sisirrajbongshi@gmail.com
Mobile No: 9707721185

Present Occupation

Designation and Department: Assistant Professor & HoD,
Computer Science,
Pandit Deendayal Upadhyaya Adarsha Mahavidyalaya,
Amjonga, Goalpara, Assam-783124
Date of joining: 5/8/2017

Educational Qualification:

- BSc (Computer Science) in 2007 from Gauhati University
- MSc (Computer Science) in 2009 from Gauhati University
- PhD (Information Technology) in 2016 from Gauhati University
- GATE 2010 Qualified.

Area of Interest: Fuzzy Logic and algebra, Boolean Computing, Data Mining.

Publications

1. Sisir Kumar Rajbongshi and Anjana Kakoti Mahanta, "An alternative technique of selecting initial cluster centers in the k-means algorithm for better clustering", IJCA (0975-8887), 67 (13), 2013.
2. Sisir Kumar Rajbongshi and Dwiraj Talukdar, "Some aspects of Special fuzzy Boolean algebra", Proceeding of International conference on Frontiers in Mathematics 2015, March 26-28, Gauhati University, Guwahati, Assam, India (ISBN: 978-81-928118-9-5)
3. Sisir Kumar Rajbongshi and Dwiraj Talukdar, "Representation of fuzzy Boolean algebra by the Internal Product of two Fuzzy Boolean algebras", International Journal of Mathematical Archive-5(1), 2014, 12-20.

4. Sisir Kumar Rajbongshi and Dwiraj Talukdar, "Some Aspects of fuzzy Boolean algebra formed by fuzzy subsets", International Journal of Advanced Research in Computer Science and Software Engineering, 3.7 (2013): 1-8.
5. Sisir Kumar Rajbongshi and Dwiraj Talukdar, "Some properties of fuzzy Boolean algebra", International Journal of Engineering Research and Technology, 2.10 (2013): 1852-1857.
6. Sisir Kumar Rajbongshi and Dwiraj Talukdar, "An Introduction to a family of fuzzy subsets forming Boolean algebra", International Journal of Computer Applications (0975-8887), 68(24), April 2013.
7. Sisir Kumar Rajbongshi and Dwiraj Talukdar, "Special Fuzzy Boolean Ring", International Journal of Engineering Trends and Technology, V43(7), 398-400, January, 2017. (Scopus Indexed)
8. Sisir Kumar Rajbongshi and Prasanta Gogoi, "**On Some Theoretic Aspects of Fuzzy Subsets**", International Journal for Research in Applied Science & Engineering Technology (IJRASET), *ISSN: 2321-9653, Volume 11 Issue II Feb 2023.*

Book Publication

- Published a Book Chapter "Some aspects of isomorphic special fuzzy Boolean rings in the set of fuzzy subsets of a finite set" Book Title- "Matrix", by Dept of Mathematics, Nalbari College, Nalbari, page no-1 to 7. (ISBN-978-93-85229-38-1)
- Published a Book entitled "Fundamentals of Computer Science" with ISBN: 978-93-88593-30-4 in February, 2019.
- Published a Book Chapter in the proceedings of National Conference on Recent Advances in Science and Technology (NCRASST-2018) under TEQIP-III, entitled "Some aspects of fuzzy power set" page no: 92-95, organized by ASTU, Guwahati, from 15th to 17th March, 2018.(ISBN-978-81-908910-9-7).
- Published a Book Chapter "Special Fuzzy Groupoid" page no.:83-91, Book Title- "Reflection" by UGC-HRDC, Gauhati University, Ghy in January, 2019

OP, FDP and WORKSHOP

1. Completed "UGC-Sponsored Orientation Program" from 15th December 2018 to 11th January at Gauhati University.
2. Completed National Level One Week FDP on "Development of E-Content in Teaching and ICT Based Assesment Tools" from 12th June to 17th June 2020 organized by Dept of Education, Mazbat College, Mazbat, Udalguri, Assam-784507.
3. Completed One Week National Level FDP on "Educational Video Creation" organized by Department of English, KBR College from 16th to 21st July, 2020.

4. Completed ICSSR-NERC Sponsored One-Week International FDP on “Innovative Techniques for Professional Development of Teachers in Higher Education” organized by the Department of Education, North- Eastern Hill University (NEHU), Shillong, Meghalaya, India from 1st-7th September 2021.
5. Completed ICSSR-NERC Sponsored Two-Week International FDP on “Innovative Techniques for Professional Development of Teachers in Higher Education” organized by the Department of Education, North- Eastern Hill University (NEHU), Shillong, Meghalaya, India from 1st -14th September, 2021.
6. Completed ICSSR-NERC Sponsored One-Week International FDP on “Innovative Techniques for Professional Development of Teachers in Higher Education” organized by the Department of Education, North- Eastern Hill University (NEHU), Shillong, Meghalaya, India from 8th -14th September 2021.
7. Completed One Week National Level FDP on “MOODLE” organized by Department of Computer Science, GIMT, Guwahati, held from 20th to 24th June, 2022.
8. Participated a workshop on “NEP 2020: Issues and Challenges in Higher Education” organized by IIC and IQAC, in Association with Bikali College, Dhupdhara and Habraghat Mahavidyalaya, Krishnai on 21st and 22nd February, 2023.
9. Completed one day workshop on “AI Tools” organized by Be10X organization on 31st May, 2023.

Conference Papers (Presented)

1. Presented an article entitled “Some aspects of Special fuzzy Boolean algebra”, International conference on Frontiers in Mathematics 2015, March 26-28, Gauhati University, Guwahati, Assam, India.
2. Presented an article entitled “An Introduction to a family of fuzzy subsets forming Boolean algebra”, National Conference on Pure and Applied Mathematics, 2013, May 9-10, Royal Group of Institutions, Guwahati, Assam, India.
3. Presented an article entitled “Representation of fuzzy Boolean algebra by the Internal Product of two Fuzzy Boolean algebras”, National Conference on, 2013, Dec 23, GIMT, Guwahati, Assam, India.
4. Presented an article entitled “The complement Laws for the fuzzy subsets of a finite set”, National Seminar on Recent Trends in Mathematical Economics, 2014, 29-30 August, Lakhimpur Girls ‘ College, Khelmati, North Lakhimpur, Assam-787031, India.
5. Presented an article entitled “Fuzzy sets towards forming Boolean Ring”, National Conference on advances in Mathematical Sciences, 2016, 22-23 December, Department of Mathematics, Gauhati University, Ghy-14, Assam.
6. Presented a paper “Some aspects of Fuzzy Power Set” in National Conference on Recent Advances in Science and Technology (NCRAS-2018) under TEQIP-III, entitled “Some

aspects of fuzzy power set” organized by ASTU, Guwahati, from 15th to 17th March, 2018.

7. Presented a paper “On Product of Special Fuzzy Groupoids” in National Conference on Advanced Mathematical & Applied Sciences organized by Department of mathematical Sciences, Bodoland University from 1st July to 2nd July, 2020.
8. Presented a paper entitled “ Some Theoretic aspects of Fuzzy Subsets” in the **National Conference on New Approaches of Basic Sciences towards Engineering and Technology** (NABSET2023), on 24-02-2023 and 25-02-2023 at Assam Don Bosco University, Azara Campus.

Teaching Experiences

1. Teaching experience (Full Time) at Degree level as an Assistant Professor at Rangia College, Rangia, Assam. (One Year)
2. About nine year’s teaching Experiences as a Guest Lecturer at IDOL, Gauhati University, Ghy-14, Assam.
3. Assistant Professor (Permanent), PDUAM, Amjonga since 4th August, 2017- till date.