Dr. KANCHAN JANA
Associate Professor
M.Sc., Ph. D

Local Address :-
Katwa College, Katwa
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Permanent Address :-
Ramnagar, Purba Medinipore
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Personal Information

Birth Date: 04.10.1976
Father's Name: Mr. Purnachandra Jana
Birth Place: Digha
Mobile : 9474446508

Nationality: Indian
Mother's Name:- Mrs. Kuntala Jana
Languages: Bengali, English, Hindi
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Education:-

Examination	Name of the University	Year of passing	Class/grade
Madhyamic Examination	WBBSE	1992	I
Higher Secondary Examination	WBCHSE	1994	I
B.Sc.	Calcutta University	1997	I
M.Sc.	Calcutta University	1999	I
NET		2000	

Research Degree:-

Degree :- Ph.D.

Name of University:- Visva – Bharati.

Date of Award:- 23.04.2015.

Title :- **On quasi k-ideals and k-bi-ideals of the semirings with semilattice additive**

Publications :-

1. A.K.Bhuniya and **K. Jana**, *Representation of normal bands as semigroups of k-bi-ideals of a semiring, Algebra Univers, 2018.*

2. A.K.Bhuniya and **K. Jana**, *Minimal k-bi-ideals and strong quasi k-ideals in an ai-semiring, Africa mathematika, 2018.*

3. A.K.Bhuniya and **K. Jana**, *Characterizations of Clifford semigroups and t-Putcha semigroups by their quasi-ideals*, Quasigroups and Related Systems ,***Vol.24 (2016),Pages:7–16, (***ISSN:1561-2848**)**

4. A.K.Bhuniya and **K. Jana**, *Semigroup of k-bi-ideals of a semiring with semilattice additive reduct* , Demostratio Mathematca , ***Vol.49(2) (2016), Pages:*** **119–128, (**ISSN:0420-1213**)**

5. A.K.Bhuniya and **K. Jana**, Strong quasi -ideals and complete semilattice decompositions of an ordered semigroup , Asian-European Journal of Mathematics, **Vol. 8 (2015), No.1, Pages:. 1- 12, (**ISSN: 1793-5571)

6. A.K.Bhuniya, and **K. Jana**, *Strong quasi k-ideals and the lattice decompositions of semirings with semilattice additive reduct , Discussiones Mathematicae General Algebra and Applications ,***Vol. 34 (20 14) Pages:-27–43,** (ISSN- 15099415).

7. **K. Jana**, *k-Bi-Ideals and Quasi k-Ideals in k-Clifford and Left k-Clifford Semirings,* Southeast Asian Bulletin of Mathematics, *Vol.37(2) (2013),* **Page No.** 201–210, **(**ISSN 0129-2021).

8. **K. Jana**, Quasi *k*-ideals in *k*-regular and intra *k*-regular semirings, Pure Mathematics and Application,**Vol. 22 (2011), No.1, Page 65- 74, (**ISSN- 1218-4586**).**

9. A.K.Bhuniya, and **K. Jana**, Bi-ideals in k-regular and Intra k-regular Semirings, Discussiones Mathematicae General Algebra and Applications, **Vol. 31 (2011), Pages 5–25,(** ISSN-15099415**).**

Memberships:
1. Life Member of the Indian Statistical institute (Membership no. L/9112).
2. Life Member of Calcutta mathematical Society (Membership No. LJ/8).

Awards:
Gold medal for being the topper in M.Sc.

Minor Research projects:
Title:- *'K-bi-ideals and quasi k-ideals of semirings in SL^{+}'*
Funding Agency:- UGC
Period: 09.11.2011 to 08.11.2013
Amount:- 196500.00

Training Courses, Workshops, Schools etc.:

Sl. No.	Programme	Venue	Duration	Organized by
1.	TIMC-BU Regional UG-Teacher Enrichment Programme on Curves and Surfaces	Department of Mathematics, The University of Burdwan	13.01.16-19.01.16	Department of Mathematics, The University of Burdwan
2.	Workshop for reconstruction of syllabi of 3yr Honours and General courses	Department of Mathematics, The University of Burdwan	22.04.2015	Department of Mathematics, The University of Burdwan
3.	Workshop for Orientation/ Awareness on NAAC Accreditation	WBUTTEPA	27.11.2015	West Bengal State Council of Higher Education
4.	Refresher Course in Mathematics	Department of Pure Mathematics, University of Calcutta	02.01.14-22.01.14	Academic Staff College, Calcutta University (UGC-sponsored)
5.	Instructional Workshop on "semigroup and Applications"	Department of Mathematics, Cochin University of Science and Technology.	22.02.14-24.02.14	Department of Mathematics, Cochin University of Science and Technology.
6.	Refresher Course in Mathematics	Department of Pure Mathematics, University of Calcutta	14.11.11-03.12.11	Academic Staff College, Calcutta University (UGC-sponsored)
7.	Refresher Course in Mathematics	Department of Pure Mathematics, University of Calcutta	02.08.10-21.08.10	Academic Staff College, Calcutta University (UGC-sponsored)
8.	Orientation Programme	Calcutta University	18.07.07-14.08.07	Academic Staff College, Calcutta University (UGC-sponsored)
9.	Refresher Course in Mathematics	Department of Mathematics, University of Kalyani	16.02.04-09.03.04	Department of Mathematics, University of Kalyani

Paper presentations at Seminar, Conference etc.:

Sl. No.	Title of the paper Presented	Title of Conference/ Seminar	Organized by	Whether International/ National / State/ Regional / College or University level
1.	Representation of bands as semigroup of ideals of a semiring in SL$^+$	Visva- Bharati Meet on Algebra and its Applications-2018	Department of Mathematics, Sikhsa Bhavana, Visva-Bharati	National [24.03.18 -25.03.18]
2.	Representation of Normal Bands as semigroup of k-ideals of a semiring	International Conference on Algebra and discrete Mathematics –ICADM 2018	Department of Mathematics, Madurai Kamraj University	International [08.01.18-10.01.18]
3.	"Minimal k-ideals in a semiring"	23rd West Bengal State Science & Technology Congress 2016	Presidency University	State [28.02.16-29.02.16]
4.	"Quasi-ideals of Clifford and t-Putcha semigroups"	National Seminar on Recent Advances in Mathematics and its Applications(RAMA-2016)	Department of Pure Mathematics, Calcutta University	National [24.02.16 – 25.02.16]
5.	"Semigroup of k-bi-ideals in a k-regular semiring"	International Conference on Recent Trends in Mathematical Sciences and Applications(ICRTMSA-2016)	Department of Mathematics, The University of Burdwan	International [09.02.16 -- 11.02.16]
6.	"Strong quasi k-ideals of t-k-simple and t-k-Archimedean semirings"	National Conference on Emerging Trends in Mathematics and Mathematical Sciences(NCEMMS-2015)	Calcutta Mathematical Society	National [17.12.15-19.12.15]
7.	"Semigroup of bi-ideals of a semiring"	National Seminar on Recent Advances in Mathematics and its Applications (RAMA-2015)	Department of Pure Mathematics, Calcutta University	National [12.03.15]
8.	"Strong quasi-ideals of complete semilattice decompositions of an ordered semigroup"	National Conference on Recent Developments in Mathematics and its Applications (RDMA-2015)	Department of Mathematics, Balurghat College	National [14.02.15 -- 15.02.15]
9.	"Minimal k-bi-ideals and strong quasi k-ideals in a semiring"	International Conference on Current Developments in Mathematics and Mathematical Sciences(ICCDMMS-2014)	Calcutta Mathematical Society	International [19.12.14 - 21.12.14]
10.	"Quasi k-ideals having intersection property in semirings in SL$^+$"	National Seminar on Recent Perspectives on nonlinear Mathematics and its Application(RPNMA-2014)	Department of Mathematics, Sikhsa Bhavana, Visva-Bharati	National [25.03.14 -- 26.03.14]
11.	"Strong quasi k-ideals and distributive lattice decom-positions of semirings with semilattice additive reduct"	The International Conference on Semigroups, Algebras and Operator Theory(ICSAOT)	Department of Mathematics, Cochin University of Science and Technology	International [26.02.14 -- 28.02.14]
12.	"Strong quasi k-ideals In semirings with semilattice additive reduct"	3rd International Conference on Frontiers of Mathematics and Applications(ICFMA-2014)	Department of Mathematics, The University of Burdwan	International [29.01.14 -- 31.01.14]

Paper presentations at Seminar, Conference etc.: (cotd.)

Sl. No.	Title of the paper Presented	Title of Conference/ Seminar	Organized by	Whether Intern-ational/ National / State/ Regional / College or University level
	K-bi-ideals and quasi k-ideals of semiring in SL$^+$	National Seminar on "Mathematics and its Applications"	Department of Mathematics, Siksha-Bhavana, Visva-Bharati. Santiniketan	National [30.03.13 to 31.03.13]
	Minimal k-bi-ideals in a semiring in SL$^+$	National Seminar on Recent Trends in Mathematics and its Applications	Department of Mathematics, Calcutta University	National [22.03.13]
	Ideals in semirings in SL$^+$	20th West Bengal State Science & Technology Congress-2013	Bengal Engineering and Science University, Shibpur and West Bengal Science & Technology	State [28.02.13 to 02.03.13]
	"Characterization of the ....Quasi k-ideals"	National Seminar on Non-Linear Aspects of Analysis and Algebra(NAAA-2012)	Department of Mathematics, Siksha-Bhavana, Visva-Bharati. Santiniketan	National [24.03.12 to 25.03.12]
	Quasi k-ideals of semirings in SL$^+$	National Seminar on Recent Trends in mathematics and its Applications(NSRTMA-	Department of Pure Mathematics, Calcutta University	National [22.02.12]
	"Minimal k-bi-ideals and strong quasi k-ideals in a semiring"	National Seminar on Algebra, Analysis and Discrete	Department of Mathematics, University of Kerala, Thiruvananthapuram	National [08.02.12 to 10.02.12]
	"K-bi-ideals and quasi k-ideals in k-regular and intra k-regular	National Seminar on Mathematics and its Applications(NSMA-2011)	Department of Pure Mathematics, University of Calcutta	National [22.02.11 to 23.02.11]
	"Minimal k-bi-ideals and quasi k-ideals of a semiring in SL^{+}"	National Conference on Mathematics and its Applications(NCMA-2011)	Department of Mathematics, Jadavpur University	National [13.01.11 to 14.01.11]