

Mr. Tanmay Choudhury      **Curriculum Vitae**

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BIRTH PLACE : Mahananda Colony, Mangalbari, Malda, Pin 732142

OFFICE ADDRESS : Dept of Basic Science and Humanities, Cooch Behar Government Engineering College, Ghughumari, Harinchawra, Cooch Behar, West Bengal 736170

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RESEARCH INTEREST      Cryptography, Algebra (Group Theory).

PERSONAL INFORMATION:

1. Name      : Tanmay Choudhury
2. Father's name      : Binay Chandra Choudhury
3. Mother's name      : Anu Choudhury
4. Date of birth      : 20.08.1994
5. Marital Status      : Single
6. Nationality      : Indian
7. Gender      : Male

EDUCATIONAL QUALIFICATIONS:

Examination	Institution/Board	Year of Passing	% Marks or GPA
10TH	Bachamari G.K High School/ West Bengal Board Of Secondary Education	2009	83.25%

10+2	A.C Institution / West Bengal Council For Higher Secondary Education	2011	77%
B.Sc. Mathematics (hons.)	Ramakrishna Mission Residential college, Narendrapur/ University of Calcutta	2015	70.62% (First Class)
M.Sc.	IIT Delhi	May 2017	7.32 (CGPA out of 10 scale)
Ph.D.	NIT Jamshedpur	January, 2022	8.8 (CGPA out of 10 scale in Course Work)

CSIR JRF RANK: 161 (June 2016), 188 (December 2016), 103 (June 2017, General Category). GRADUATE APTITUDE TEST IN ENGINEERING (GATE) RANK:753 (2017)

West Bengal State Eligibility Test: December 2017 (General Category).

#### WORK EXPERIENCE

1. I had worked on irreducibility of polynomials (different irreducibility criteria, irreducibility of classic polynomials like Laguerre polynomial, Cyclotomic polynomial, Hermite polynomial etc.).

Starting: May, 2016 End : May, 2017

Supervisor: Dr. Ritumoni Sharma, Assistant Professor of IIT Delhi.

#### TEACHING EXPERIENCE:

1. Worked as an assistant professor in Mathematics department at Birla Institute of Technology, Mesra, Jharkhand, Ranchi-835215 under TEQIP III project of NPIU under MHRD from 03/01/2018 – 04/08/2020.
2. Working as an assistant professor of Mathematics under W.B.E.S. at Cooch Behar Govt. Engineering College, Ghughumari, Harinchawra, Cooch Behar, West Bengal 736170 from 10/08/2020 – Till Date

#### ACADEMIC DISTINCTIONS:

Attended seminar talk given by Professor T.N. Shorey on irreducibility of Laguerre polynomial.

Computer Skills: C Programming, MS Office, Latex, Mat lab, Beamer, Sage Math.

LANGUAGE SKILLS: English, Hindi, Bengali

ACHIEVEMENTS: National Board of Higher Mathematics M.Sc. Scholarship Holder.

#### Seminars/conferences/workshops Attended

Sl. No.	Year	Name of the workshop/seminar/conference	Number of Participants	Date (From – To)	Link to the Activity report on the website
1.	2018	Faculty Development Programme, IIT Madras (TEQIP III)	101	January 31-February 04, 2018	<a href="https://www.iitm.ac.in/sites/default/files/annualreport-2017-18.pdf">https://www.iitm.ac.in/sites/default/files/annualreport-2017-18.pdf</a>
2.	2019	Summer Training Program on Advanced Pedagogy: Active Learning and Digital Tools (TEQIP III)	60 (Approx)	June 10-14, 2019	<a href="http://teqip.iith.ac.in/">http://teqip.iith.ac.in/</a>
3.	2020	International Conference on Mathematical Analysis and Applications 2020 (MAA2020)	50 (Approx)	November 02-04, 2020	<a href="http://www.maa2020.in/">http://www.maa2020.in/</a>
4.	2020	International Conference on International Conference on Security and Privacy 2020 (ICSP-2020)	65 (Approx)	November 05-06, 2020	<a href="https://sites.google.com/view/icsp2020">https://sites.google.com/view/icsp2020</a>
5	2022	9 <sup>th</sup> Faculty Induction Programme, UGC (HRDC), Jadavpur Univers	60 (Approx)	August 01-September 02, 2022	<a href="http://www.jaduniv.edu.in/upload_files/scroll_info/1655200557.pdf">http://www.jaduniv.edu.in/upload_files/scroll_info/1655200557.pdf</a>

#### Research Publication and Awards

Sl. No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal /Digital Object Identifier (doi) number		
							Link to website of the Journal	Link to article/paper/abstract of the article	Is it listed in UGC Care list/Scopus/Web of Science/other, mention
1	Efficient post-quantum private set intersection protocol.	Sumit Kumar Debnath, Nibedita Kundu, and Tanmay Choudhury.	Mathematics	International Journal of Information and Computer Security, Inderscience (Scopus).	2019	17441765	<a href="https://www.inderscience.com/jhome.php?jcode=ijics">https://www.inderscience.com/jhome.php?jcode=ijics</a>	<a href="https://www.inderscience.com/info/ingeneral/forthcoming.php?jcode=ijics">https://www.inderscience.com/info/ingeneral/forthcoming.php?jcode=ijics</a>	Scopus

2	Post-quantum protocol for computing set intersection cardinality with linear complexity	Sumit Kumar Debnath, Pantelimon Stănică, Tanmay Choudhury, and Nibedita Kundu	Mathematics	IET Information Security, IET (SCIE).	2020	17518709	<a href="https://digital-library.theiet.org/content/journals/iet-ifs">https://digital-library.theiet.org/content/journals/iet-ifs</a>	<a href="https://ietresearch.onlinelibrary.wiley.com/doi/full/10.1049/iet-ifs.2019.0315">https://ietresearch.onlinelibrary.wiley.com/doi/full/10.1049/iet-ifs.2019.0315</a>	SCIE
3	Secure and efficient multiparty private set intersection cardinality.	Sumit Kumar Debnath, Pantelimon Stănică, Nibedita Kundu, and Tanmay Choudhury.	Mathematics	Advances in Mathematics of Communications, AIMS (SCIE)	2020	19305346	<a href="https://www.aims sciences.org/journal/1930-5346">https://www.aims sciences.org/journal/1930-5346</a>	<a href="https://www.aims sciences.org/article/noLoginPage?id=d8371c9a-7295-45d7-b9ee-d65f73ef9bd9&amp;downloadPdfUrl=https://www.aims sciences.org/article/doi/10.3934/amc.2020071">https://www.aims sciences.org/article/noLoginPage?id=d8371c9a-7295-45d7-b9ee-d65f73ef9bd9&amp;downloadPdfUrl=https://www.aims sciences.org/article/doi/10.3934/amc.2020071</a>	SCIE
4	Post-quantum secure multi-party private set-intersection in star network topology.	Sumit Kumar Debnath, Tanmay Choudhury, Nibedita Kundu, and Kunal Dey.	Mathematics	Journal of Information Security and Applications, Elsevier (SCIE)	2021	22142126	<a href="https://www.journals.elsevier.com/journal-of-information-security-and-applications">https://www.journals.elsevier.com/journal-of-information-security-and-applications</a>	<a href="https://www.sciencedirect.com/science/article/abs/pii/S2214212620308668">https://www.sciencedirect.com/science/article/abs/pii/S2214212620308668</a>	SCIE
5	Delegating signing rights in a multivariate proxy signature scheme	Sumit Kumar Debnath, Tanmay Choudhury, Pantelimon Stănică, Kunal Dey, and Nibedita Kundu.	Mathematics	Advances in Mathematics of Communications, AIMS (SCIE)	2021	19305346	<a href="https://www.aims sciences.org/journal/1930-5346">https://www.aims sciences.org/journal/1930-5346</a>	<a href="https://www.aims sciences.org/article/doi/10.3934/amc.2021016?viewType=html&amp;utm_source=TrendMD&amp;utm_medium=cpc&amp;utm_campaign=Advances_in_Mathematics_of_Communications_TrendMD_0">https://www.aims sciences.org/article/doi/10.3934/amc.2021016?viewType=html&amp;utm_source=TrendMD&amp;utm_medium=cpc&amp;utm_campaign=Advances_in_Mathematics_of_Communications_TrendMD_0</a>	SCIE