


FACULTY DETAILS PROFORMA

NAME	DR. RAJESH MOHAN		
DESIGNATION & DEPARTMENT	Assistant Professor, Dept of Mathematics		
DATE OF JOINING IN THE INSTITUTION	Araria College, Araria		
DATE OF BIRTH	25-03-1978		
ADDRESS	SE-11, R.N.-06, Vastu Vihar PH-1, Pista, Khiribandh, Bypas TOP, Bhagalpur-812005, Bihar		
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EDUCATIONAL QUALIFICATIONS

DEGREE	BOARD/COUNCIL/UNIVERSITY	INSTITUTION	YEAR OF PASSING	DIVISION/CLASS/CATEGORY
UNDER GRADUATE	TMBU, Bhagalpur	G.B. College, Naugachia, Bhagalpur	2001	1st
POST GRADUATE	TMBU, Bhagalpur	University Dept. of Mathematics, TMBU, Bhagalpur	2003	1st
M.PHIL.	NA	NA	NA	NA
PH.D.	TMBU, Bhagalpur	University Dept. of Mathematics, TMBU, Bhagalpur	2014	NA
POST-DOC	NA	NA	NA	NA

ADMINISTRATIVE ASSIGNMENTS

1. Co-Ordinator of Seminar Organizing Committee from March 2025
2. Nodal of Samarth Portal from April 2025
3. Assistant Examination Controller from Jul 2025
4. NAAC Deputy Co-Ordinator from Jul 2025

AREAS OF INTEREST/SPECIALIZATION

Cryptography, Special Numbers like-Perfect Numbers, Amicable Numbers, Mersenne Prime, Fermat's Number, Quadratic Reciprocity Law, Twentieth Century Development, Foundation of Mathematics and Modern Algebra,

SUBJECTS TAUGHT

09/10/2025 TO PRESENT – PERMANENT FACULTY – DEPARTMENT OF MATHEMATICS, ARARIA COLLEGE, ARARIA (A Constituent Unit of PURNEA UNIVERSITY, PURNIA), BIHAR, INDIA

Algebra, Linear Algebra, Abstract Algebra, Modern Algebra, Calculus, Differential Equations, Advanced Calculus, Vector Analysis, Vector Algebra, Co-ordinate Geometry, Complex Analysis, Trigonometry, Real Analysis, Theory of Real Functions, Fuzzy set,

RESEARCH GUIDANCE

Paper writing technique was taught to UG 2nd Semester and 4th Semester

PUBLICATIONS PROFILE

A. NUMBER OF PAPERS PUBLISHED PER TEACHER IN THE JOURNALS NOTIFIED ON UGC WEBSITE DURING THE YEAR

TITLE OF PAPER	NAME OF THE AUTHER/S	DEPARTMENT OF THE TEACHER	NAME OF JOURNAL	YEAR OF PUBLICATINS	ISSN NUMBER	LINK TO THE RECOGNITION IN UGC ENLISTMENT OF THE JOURNAL
Solution of Hilbert's Problem No. - 10	Manoj Kumar Singh and Rajesh Mohan	Mathematics	Journal of Bihar Mathematical Society	2011	ISSN No: 0972 - 8716 (Print)	
On the solution of the Linear Diophantine Equation	Devanand Ramani and Rajesh Mohan	Mathematics	Journal of Bihar Mathematical Society	2011	ISSN No: 0972 - 8716 (Print)	
Importance of Cryptography	Rajesh Mohan	Mathematics	Bihar Research Journal	2019 (Jul - Dec)	ISSN No: 0975 - 4288 (Print)	
Evolution of Cryptographic Techniques: From Ancient Ciphers to Modern Encryption Systems	Rajesh Mohan, Pradip Kumar Sah, Akanksha Madhuri Raj & Arvind Kumar Sah4	Mathematics	IOSR Journal of Mathematics	2025 (May - June)	ISSN No: 2278 – 5728 (Online) ISSN No: 2319 - 765X (Print)	DOI: 10.9790/5728-2103014956
New Advancement In Cryptography	Rajesh Mohan	Mathematics	Bihar Research Journal	2025 (Jan - Jun)	ISSN No: 0975 - 4288 (Print)	

**B. NUMBER OF BOOKS AND CHAPTERS IN EDITED VOLUMES/BOOKS AND PAPERS PUBLISHED IN NATIONAL/
INTERNATIONAL CONFERENCE PROCEEDINGS PER TEACHER DURING THE YEAR**

SL. NO.	NAME OF THE TEACHER	TITLE OF THE BOOK/CHAPTERS PUBLISHED	TITLE OF THE PAPER	TITLE OF THE PROCEEDINGS OF THE CONFERENCE	NAME OF THE CONFERENCE	NATIONAL/ INTERNATIONAL	YEAR OF PUBLICATION	ISBN/ISSN NUMBER OF THE PROCEEDING	AFFILIATING INSTITUTE AT THE TIME OF PUBLICATION	NAME OF THE PUBLISHER

**NUMBER OF AWARDS AND RECOGNITIONS RECEIVED FOR EXTENSION ACTIVITIES FROM GOVERNMENT/ GOVERNMENT
RECOGNIZED BODIES DURING THE YEAR**

NAME OF THE ACTIVITY	NAME OF THE AWARD/ RECOGNITION	NAME OF THE AWARDDING GOVERNMENT/ GOVERNMENT RECOGNISED BODIES	YEAR OF AWARD
Not Applicable	Not Applicable	Not Applicable	Not Applicable

CONFERENCE ORGANIZED

1. Seminar on “Eradication of Mathematical Phobia to Develop Interest and Attitude among the Students and TSTM Olympiad – Birla Open Minds School, Bhagalpur Bihar – 20 Aug 2019 - Deputy Co-Ordinator of the Seminar
2. Topic “Relevance of Thoughts of Dr. Bhimrao Ambedkar in Present Scenario” - College Level – 12 April 2025 – Co-Ordinator of the Seminar
3. Topic “Golden Future Possibilities of Labours in India” - College Level – 16 May 2025 - Co-Ordinator of the Seminar
4. Topic “One Day Workshop on Financial Education A Life skill under NEP 2020” - Webinar – University Level - cum-Nationwide – 30.07.2025 - Convenor of the Webinar

RESEARCH PROJECTS (MAJOR GRANTS/RESEARCH COLLABORATION)

Not Applicable

ASSOCIATION WITH PROFESSIONAL BODIES

Not Applicable

SEMINARS/WEBINARS/CONFERENCES/WORKSHOPS/SYMPOSIUM ATTENDED

1. 1st Annual International Conference of Forum for “Interdisciplinary Research Method” - 08 – 09 Sep 2019 Dept. of Economics and Dept of Sociology A.S. College, Deoghar, Jharkhand
2. UGC Sponsored National Seminar on “Recent Trends in Pure and Applied Mathematics” - 07 – 08 Dec 2019 University Dept of Mathematics, TMBU Bhagalpur, Bihar
3. International Seminar on “Recent Trends in Mathematics and its Potential Contribution to other Disciplines” - 14-15 Dec 2024 PBS College, Banka, Bihar

OTHER ACTIVITIES (ORIENTATION PROGRAMME /REFRESHERS COURSE/FDP’S)

Faculty Induction Programme (FIP – 18) (UGC Sponsored) - From 05-02-2025 To 05- 03 – 2025 organized by UGC-MMTTC University of North Bengal, (Siliguri) Darjeeling – Grade ‘A+’

PAST EXPERIENCE (IF ANY, GIVE DETAILS)

1. 08 years teaching experience as Higher Secondary Mathematics Teacher in +2 School and 22 months administrative experience of +2 School as Headmaster (Principal)
2. 08 years worked as Associate NCC Officer (JD) in a + 2 School