

CURRICULUM-VITÆ

Dr. Pranjal Kumar Ray

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EDUCATIONAL QUALIFICATIONS:

- Ph. D. (Faculty of Science and Technology), from Bodoland University, Kokrajhar, in 2024.
- M.Sc. (Mathematics), from Bodoland University, Kokrajhar, in 2017.
- B.Sc (Mathematics), from Gossaigaon College, Gossaigaon, Gauhati University, Gauhati, in 2015 .
- H.S. from Gossaigaon College, Gossaigaon, AHSEC Board, Assam, in 2012.
- H.S.L.C. from Jambuguri high school, SEBA Board, Assam, in 2010.

DIPLOMA:

Post Graduate Diploma in Computer Application

SOFTWARE EXPOSURE:

- **Text formatting and office:** Microsoft Word, Excel, Power point, LaTeX, Scilab, Mathematica.

TEACHING EXPERIENCE: 8 YEARS

- Worked as Assistant Professor (Contractual) at Kokrajhar Government college, Kokrajhar from August 2017 to May 2025.

RESEARCH INTEREST:

Relativity and Cosmology

PUBLICATIONS: 03 Nos.

1. Pranjal Kumar Ray and Rajshekhar Roy Baruah (2021): “**An Interacting and Non-interacting Two-Fluid Scenario for Dark Energy Models in Five Dimensional Kaluza-Klein Space-Time**”, Published in the Journal of *Mathematical and Computational Science*, 11 (6): 7699-7716. <https://doi.org/10.28919/jmcs/6382>.

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2. Pranjali Kumar Ray and Rajshekhar Roy Baruah (2022): **Anisotropic cloud string cosmological model with five-dimensional Kaluza- Klein space-time**", Published in the Journal of *Frontiers in Astronomy and Space Sciences*, 9:869020. <https://doi.org/10.3389/fspas.2022.869020>.
3. Pranjali Kumar Ray and Rajshekhar Roy Baruah (2025): **"Two-Fluid Scenario for Dark Energy Cosmological Model in Five Dimensional Kaluza-Klein Space Time"**, Published in Journal of *East European Journal of Physics*. 2: 452–460. DOI: [10.26565/2312-4334-2025-2-56](https://doi.org/10.26565/2312-4334-2025-2-56)

WORKED WITH UNIVERSITY BODIES:

- As a Member of Syllabus preparation Committee (NEP 2020)

ADMINISTRATIVE WORK EXPERIENCE:

- In College National Institute Ranking Framework (NIRF) Committees
- In College Exam Committees.
- In College Admission Committee
- In Spot Evaluation Committee
- In college International Seminar organizer Committee

CONFERENCE/SEMINARS/WORKSHOP ATTENDED:

- Attended two day's workshop on *"RESEARCH METHODOLOGY AND ITS APPLICATION IN RESEARCH WORK"* organized by the "Internal Quality Assurance Cell (IQAC), Department of Education, Gossaigaon College, Gossaigaon, Assam during 14th & 15th May/2014.
- Attended one day *"NATIONAL SEMINAR CUM AWARENESS PROGRAMME ON INTELLECTUAL PROPERTY RIGHT"* organized by Intellectual Property Right cell, Bodoland University, Kokrajhar on 19th May 2017.
- Attended two day's International seminar on *"The changing Status of Women: Myth and Reality with special reference to Northeast India"* organized by Kokrajhar Govt. College, Kokrajhar on 7th and 8th March, 2018.
- Attended one day *"REGIONAL SEMINAR ON INTELLECTUAL PROPERTY AND CULTURAL HERITAGE IN GLOBALIZATION ERA "* organized by Intellectual Property Right cell, Bodoland University, Kokrajhar on 7th May 2019.
- Attended three day's workshop on *"RECENT TRENDS ON FUZZY SETS AND FUZZY LOGIC"* organized by Department of Mathematical Sciences, Bodoland University, Kokrajhar on 6th to 8th September, 2019.

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- Attended three day's workshop on "*General Relativity and Cosmology*" organized by Department of Mathematics, Institute of Applied Sciences & Humanities, GLA University, Mathura (U.P) on 11th to 13th October, 2019.
- Attended One-week Faculty Development Program on "*Fundamental of Python Programming & Scilab*" organized by E&ICT Academy IIT Guwahati in association with Department of Physics, Bodoland University, Kokrajhar on 27th to 31st January, 2020.
- Attended two day's "*NATIONAL CONFERENCE ON EMERGING TRENDS IN ADVANCED MATHEMATICAL SCIENCES & ITS INTERDISCIPLINARY AREAS*", organised by Department of Mathematical Sciences, Bodoland University, Kokrajhar, during February 21-22, 2020 and presented a paper titled "*Five Dimensional Kaluza-Klein Anisotropic Cosmological Model with special form of Deceleration Parameter*".
- Attended Two-days International Webinar on "FUZZY & NEUTROSOPHIC SYSTEM" organised by Department of Mathematical Sciences, Bodoland University, Kokrajhar, during 21st & 22nd August, 2020.
- Attended Two-days International Webinar on "*Recent Advance in Pure and Applied Mathematics 2020*", Organised by Kurseong College, Dowhill Road, Kurseong, Darjeeling, West Bengal, during 24th-25th August, 2020 and presented a paper titled "*An interacting and non-interacting two fluid cosmological model in five dimensional Kaluza-Klein space time*".
- Attended Two-days International Webinar on "*MATHEMATICAL METHODS AND MODELS IN APPLIED SCIENCES*", Organised by Amity Institute of Applied Sciences, Amity University Kolkata in collaboration with Calcutta Mathematical Society, during November 06-08, 2020 and presented a paper titled "*FIVE DIMENSIONAL KALUZA-KLEIN ANISOTROPIC DARK ENERGY COSMOLOGICAL MODEL WITH VARIABLE DECELERATION PARAMETER*".
- Attended three days online workshop on "EFFICIENT USE OF MICROSOFT WORD IN THESIS WRITINGS" Organised by Post Graduate Department of Chemistry and Mathematics, Kokrajhar Govt. College during 28th to 30th June, 2021.
- Attended One-week Faculty Development Program on "*ON RECENT ADVANCEMENT IN FLUID MECHANICS AND OPTIMIZATION (R AFMO)*" Organized by Amity Institute of Applied Sciences, Amity University Jharkhand on July 14- 18, 2025.
- Attended One-week Faculty Development Program on "*Recent Advances in Computational Mathematics and Machine Learning*" (RACMML 2025)" organised by the Department of Mathematics, J B Institute of Engineering and Technology, Hyderabad, from 04th to 08th August, 2025.

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- Attended One-week Faculty Development Program on “**COMMUNICATION AND PRESENTATION SKILLS**” Organised by IQAC and R&D Cell, Gyanpeeth Degree College, Assam in Collaboration with ICT Academy (An initiative of Govt. of India) from 26 August 2025 to 30 August 2025.
- Attended Four-weeks Guru Dakshta “**Faculty Induction Program (FIP)**” Organised by UGC-MMTTC, University of Lucknow, Lucknow from 16th January to 13th February, 2026.

Dr. Pranjal Kumar Ray

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