

## **ACADEMIC RESUME** (Curriculum vitae, 2024)

### **Personal Profile:**

**Name** : Tanmoy Basu  
**Father's Name** : (Late) Shyamal Kr. Basu  
**Mother's Name** : Krishna Basu  
**Date of birth** : 19<sup>th</sup> October 1993  
**Gender** : Male  
**Caste** : General (Unreserved)

### **Contact Details:**

**Official Address** : Department of Geography, Katwa College, Pabna Colony, Dakbanglow Road, Katwa, Purba Bardhaman, PIN: 713130, West Bengal, India, Website: <https://geography.katwacollege.ac.in/>  
**Residential address** : Village: South Srirampur, P.O.: Srirampur (Via: Nabadwip), P.S.: Nadanghat, District: Purba Bardhaman, State: West Bengal, PIN-741316, India  
**Mobile Number** : (+91) 8918281513 (Self), (+91) 8967692570 (WhatsApp)  
**Email** : [tanmoybasu.2017@gmail.com](mailto:tanmoybasu.2017@gmail.com), [tb\\_geo@katwacollege.ac.in](mailto:tb_geo@katwacollege.ac.in)  
**ORCID** : <https://orcid.org/0000-0001-8234-7398>

### **Educational Status:**

- **2023**

Completion of the 3-month Appreciation Course on Population and Sustainable Development (ACPSD) under Indira Gandhi National Open University (Regional Centre: Kolkata), India (Enrolment Number 2300444099).

- **2022**

Completion of the 3-month Appreciation Course on Environment (ACE) under Indira Gandhi National Open University (Regional Centre: Ranchi), India (Enrolment Number 2251028083).

- **2018**

Ph.D. Course Work in Geography (CWGPA: 7.00) in 2018 under the Department of Geography, The University of Burdwan, Burdwan, West Bengal 713104.

- **2014-2016**

Master of Science (Post Graduation) in Geography under University of Kalyani, Kalyani, Nadia, West Bengal 741235 in 2016 with 78.81 % (CGPA: 8.44) marks.

- **2011-2014**

Bachelor of Science (Under Graduation) in Geography (Honours) under University of Kalyani, Kalyani, Nadia, West Bengal 741235 in 2014 with 71.75 % of marks.

- **2009-2011**

Higher Secondary (H.S.) under the West Bengal Council of Higher Secondary Education (W.B.C.H.S.E.) in 2011 with 86.60 % (best of five subjects) of marks.

- **2009**

Madhyamik Examination (Secondary Education) under West Bengal Board of Secondary Education (W.B.B.S.E.) in 2009 with 81.50 % of marks.

### **IT skills:**

- Knowledge in basic and advanced Microsoft Word, Excel, and Powerpoint (2003, 2007, 2010, 2013, and 2016), MS Access, MS Visual FoxPro; MS-DOS and Desktop publishing (Windows XP, 7, 8.1, and 10), and HTML.

- Acquiring training in advanced Microsoft Word, Excel, and PowerPoint from Innovative Technology (Itech), an ISO 9001:2008 certified institute in Krishnagar, Nadia, West Bengal 741101 in December-January, 2016.
- Diploma in Information Technology and Application (DITA) with A<sup>+</sup> grade in 2011-12 from Nabadwip Youth Computer Training Centre, Nabadwip, Nadia, West Bengal 741302 registered by a joint initiative of the Department of Sports and Youth Service (Youth Services), Government of West Bengal and BRILLIANT ELECTRONICS ACADEMY.
- Knowledge of mapping (GIS) and statistical software: ArcGIS (ArcMap 10.8) QGIS (3.32.2), TNT Mips (2013), IBM SPSS Statistics (Version: 23), SPSS AMOS (Version: 23), Stata14, R-Studio.

**Others skills:**

Experience in handling surveying instruments, GPS, weather instruments, soil kits, Maps (toposheets, cadastral maps), aerial photographs and satellite imageries, and primary field survey procedures.

**Employment status:**

**Teaching experience:**

Appointed as a Permanent Lecturer (State Aided College Teacher), Category-I of Geography (Day) in Katwa College, Katwa, Purba Bardhaman, West Bengal 71313 w.e.f. 01.01.2020 in term of the Memorandum No.2018-EDn(CS)/10M-83/2019 dt. 23.12.2019 of the Higher Education Department, Govt. of West Bengal, and memo no. ED-95/C44651/2020 dated 24.06.2020 of Educational Directorate.

Engaged in teaching as a purely temporary basis Guest Lecturer (Stop gap) in respect of Reference No.: 1285/7/38(d) (Date: 24/07/2017) of the Advertise published on 23/05/2017 in the Department of Geography, Katwa College, Katwa, Purba Bardhaman, West Bengal 713130 under The University of Burdwan, Burdwan West Bengal 713104 from 01.08.2017 to 31.12.2019.

**Experience with academic supervision and others:**

- Supervised the Project Report (DSE-1A: Field Report) on “Climate Adaptation and Sustainability Issues in Agricultural and Rural Livelihoods: A Field-Based Study in a Tribal Village of Bandowan in Puruliya District in West Bengal” of CBCS Semester-V (General) of the Department of Geography, Katwa College, Katwa, Purba Bardhaman (ongoing).
- Acted as a supervisor of the project entitled “Katoya Sohorer Poribesh Dushoner Ruprekha” of the students of ENVIRONMENTAL STUDIES (AECC-1) of 1ST SEMESTER-2023-2024 students of NEP 2020 (POLMA3/230369 to POLMA3/230483) (Ongoing).
- Supervised 24 Students (Geography CBCS Semester-III & V, and NEP 2020 Semester-I) on the field survey topic entitled “A Study on the People's Perception and Well-Being of Strengths-Weaknesses-Opportunities-Challenges of Residential Development in Katwa Municipality, West Bengal in India” in the Add-On Course- ‘Qualitative Research in Geography: Methods of Data Collection and Analysis’ (2023-2024) organized by IQAC, Katwa College, Katwa, Purba Bardhaman conducted in April 2024.
- Supervised the Project Report (DSE-1B: Disaster Management: Drought) entitled “Conditions of Drought, its Impact on Agriculture, and Mitigation Measures: A Field-Based Study on Gar Panchkot Village in Puruliya District, West Bengal”, of CBCS Semester-VI (General) of the Department of Geography, Katwa College, Katwa, Purba Bardhaman conducted in February, 2024.
- Appointed as Examiner in Geography [Course Category: Hons.], Course / Paper - CC- 09 for the UG CBCS, Semester / Part: IV Examinations, 2023; No. : C/e-Gov/Apptt./Examiner/Geography/Hons./CC-09/UG CBCS/IV/2023/112100064 Date: 10-10-2023.
- Supervised the Project Report (DSE-1A: Field Report) on “Economic Impact of Lockdown During 2020-2021 at Katwa Municipality, and Data Representation of Problems, and Prospects of Katwa Municipality in 2023, Purba Bardhaman in West Bengal” of CBCS Semester-V (General) of the Department of Geography, Katwa College, Katwa, Purba Bardhaman in 2023-2024.
- Supervised the Project Report (DSE-1B: Disaster Management: Flood) entitled “A Perception-Based Study on The Flood-Induced Displacement and Preparedness of Flood Occurrences in Katwa Municipality and Surroundings, West Bengal in India”, the students of CBCS Semester-VI (General) of the Department of Geography, Katwa College, Katwa, Purba Bardhaman in 2023.
- Appointed as Examiner in Geography [Course Category: Genl.], Course / Paper - CC1C for the UG CBCS, Semester / Part: III Examinations, 2022; No.: C/e-Gov/Apptt./Examiner/Geography/Genl./CC1C/UG CBCS/III/2022/112100064; Date: 02-05-2023.

- Appointed as Examiner in Geography [Course Category: GEN], Course / Paper - DSE-1A/2A for the UG CBCS, Semester / Part: V Examinations, 2022. by The Controller of Examinations, The University of Burdwan, Burdwan; No.: C/e-Gov/Apptt. /Examiner/Geography/GEN/DSE-1A/2A/UG CBCS/V/2022/999112639; Date: 21-03-2023.
- Delivered an online lecture on “Factor Analysis using PCA in SPSS” for the research scholars of the Department of Geography, NSOU (Kalyani R.C.) on 27.12.2022.
- Appointed as an Examiner of the UG CBCS, Semester / Part: V/III/I and VI/IV/II Examinations, 2022 as applicable for the appointment letters (No. 112100064 and 112100083) published on 13 June 2022 and 3 December 2022 respectively by The Controller of Examinations, The University of Burdwan, Burdwan.
- Supervised the Field Report (DSE-1A) on “Socio-Economic Characteristics of Urban Residents: A Geographical Appraisal with Market Survey in Nabadwip Municipality, West Bengal” of the UG CBCS Semester-V (General) in the Department of Geography, Katwa College in 2022.
- Supervised the Project Report (DSE-1B: Disaster Management: Cyclone) of the students of CBCS General 6<sup>th</sup> Semester of the Department of Geography, Katwa College, Katwa, Purba Bardhaman in 2022.
- Supervised the Field Work (DSE-1A) in the Katwa Municipality area of the students of the UG CBCS General 5<sup>th</sup> Semester of the Department of Geography, Katwa College, Katwa, Purba Bardhaman in 2021.
- Supervised the project work on Disaster Management: Flood under the Paper: CC 14 (Practical): Disaster Management: Disaster Management Project Work of the students of CBCS Honours Semester VI of the Department of Geography, Katwa College, Katwa, Purba Bardhaman in 2021.
- Appointed as an Examiner / Scrutinizer in Geography (TH / PR / PPR / PPS), Course / Paper - as applicable for the UG CBCS Sem - III, 2019 / Sem - V, 2019 / Sem - VI, 2020 / Old Part - I, 2019 / Part - II, 2019 / Part - III, 2020 Examinations, 2020 by The Controller of Examinations, The University of Burdwan, Burdwan (No. C/Apptt./UG/CBCS&PART/2020 Dated, Burdwan, 14.09.2020).
- Supervised the project work entitled “Assessment of The Preparedness, Mitigation and Management Plan of River Bank Erosion of Subarnarekha River in Sankrail Community Development Block, Paschim Medinipur in West Bengal” under the Paper: CC 14 (Practical): Disaster Management: Disaster Management Project Work of 18 students of CBCS Honours VI Semester of the Department of Geography, Katwa College, Katwa, Purba Bardhaman in 2020.
- Acted as a supervisor in the Department of Geography, Katwa College, Katwa, Purba Bardhaman for the project work related to Ability Enhancement Compulsory Course-1 (AECC-1)- ENVIRONMENTAL STUDIES for First Semester students [155 students (620-775 of Arts Pass (BAP) (DAY)) in 2017-18, 67 students (AP/182477- AP/182544) in 2018-19, 35 students (190311200096-130) in 2019-20], students of 2020-21 and 2021-22, 2022-23, 2023-24 under CBCS, and 2024-25 under NEP 2020 of The University of Burdwan.
- Supervising project work related to Environmental Studies for Under Graduate Course - Third Year (Part- III) students [58 students (17SH/112/0051-0108)] in 2018-2019 and 80 students (16 AP/112/1187-1267) in 2017-18] in the Department of Geography, Katwa College, Katwa, Purba Bardhaman.
- Supervising Undergraduate (UG\_B.A. Honours) Part- III field work in Uttar Matiali Mouza, Jalpaiguri district, West Bengal, India from February 7 to 12, 2018.

**Languages are spoken and ability:** 1. Bengali (Reading, Writing, and Speaking)  
2. English (Reading, Writing, and Speaking)  
3. Hindi (Speaking)

**Achievements:**

- Achievement of award for Grant A (Registration Fee Grant) provided by the Local Organizing Committee of the 4<sup>th</sup> Asian Conference on Geography (ACG2018) to be held from December 6-10, 2018 in Guangzhou, China.
- Qualified in UGC-NET (National Eligibility Test) for the post of Assistant Professor and eligibility to apply for M. Phil. / Ph.D. with 64 % marks (Percentile Score@ 99.3784) conducted by NTA (National Testing Agency), Ministry of Human Resource Development, Government of India in December 2018 and with 55.33 % of marks (UGC Ref. No.: 50483/ (NET-JULY 2018)) conducted by Central Board of Secondary Education (CBSE) and University Grant Commission (UGC), New Delhi, India in July 2018.
- Certified with Professor Nirendranath Sen Memorial Cash Prize for the year 2016 for obtaining the Highest Marks among the recipients of the Master of Science Degree in Geography in the Twenty-Eight Convocation of the University of Kalyani held on 7<sup>th</sup> September 2017.

- iv. Achievement of full 'transportation, lodging, meals and registration' grant for attending the 1<sup>st</sup> IGU-AGLE Commission's Conference in Yulin City, Shaanxi Province, China held from 26<sup>th</sup> to 29<sup>th</sup> August 2017.
- v. Qualified in CBSE - UGC NET (National Eligibility Test) with Junior Research Fellowship (JRF) (UGC-Ref. No.: 3236) issued on 1<sup>st</sup> September, 2017 for the post of Assistant Professor and eligibility of applying for M. Phil./ Ph.D. conducted by Central Board of Secondary Education (CBSE) and University Grant Commission (UGC), New Delhi, India with 66.86 % of marks in January 2017.
- vi. Qualified Teachers Eligibility Test (TET) in 2016 with 73.33 % of marks for the eligibility of appearing in an interview for the post of assistant teacher in Upper Primary (V-VIII class) and written examination in State Level Selection Test (SLST: IX-X and XI-XII classes) conducted by West Bengal School Service Commission in 2015.
- vii. Achievement of UGC: Post-Graduate Merit Scholarship (Number and date of award letter: NO. F. 5-1/2014(SA-111) URH; DATED: 17-03-2015) for the University Rank holders being the 2<sup>nd</sup> rank holder in B.Sc. in Geography.
- viii. Achievement of the award under the Scheme of Scholarship for College and University Students of the Government of India (Department of Higher Education, Ministry of Human Research and Development) on the results of the Higher Secondary Examination conducted by WBCHSE in March 2011.

#### **Publications:**

- Mondal, B. K., Sarkar, D., Das, R., Parta, R., Basu, T. (2024). *Detecting urban sprawling and peri-urban land use dynamics in major satellite towns of Kolkata Metropolitan Area (KMA), India*. In... (Eds). Remote Sensing and GIS in Peri-Urban Research" (Elsevier). Status: Accepted.
- Mondal, B. K., Mahata, S., Basu, T., Das, R., Patra, R., Abdelrahman, K., ... & Praharaj, S. (2024). Analysis of the Post-Cyclonic Physical Flood Susceptibility and Changes of Mangrove Forest Area Using Multi-Criteria Decision-Making Process and Geospatial Analysis in Indian Sundarbans. *Atmosphere*, 15(4), 432.
- Basu, T., Mondal, B.K. (2023). Climate-Resilient Agropolitan Approach Towards Sustainable Regional Development of Bardhaman District of West Bengal. In: Chatterjee, U., Shaw, R., Kumar, S., Raj, A.D., Das, S. (eds) *Climate Crisis: Adaptive Approaches and Sustainability*. Sustainable Development Goals Series. Springer, Cham. [https://doi.org/10.1007/978-3-031-44397-8\\_20](https://doi.org/10.1007/978-3-031-44397-8_20)
- Mondal, B. K., Mahata, S., Das, R., Patra, R., Basu, T., Abdelrahman, K., ... & Praharaj, S. (2023). Analysis of the Shoreline Changes using Geoinformatics in Ghoramara Island of Hugli Estuary, West Bengal in India. *Journal of King Saud University-Science*, 103014.
- Mondal, B.K., Acharya, A., Lee, MA., Mahata, S., Basu, T. (2023). Strategic Infrastructural Development to Promote Sustainable Coastal Tourism Through Geospatial Technology in Purba Medinipur District, West Bengal. In: Sahu, A.S., Das Chatterjee, N. (eds) *Environmental Management and Sustainability in India*. Springer, Cham. [https://doi.org/10.1007/978-3-031-31399-8\\_7](https://doi.org/10.1007/978-3-031-31399-8_7)
- Basu T, Mondal BK, Das R. Assessing the Impact of COVID-19 on Urban Socio-economic Vulnerability and Wellbeing for Integrated Planning: A Quantitative Enquiry in the Katwa Municipality, West Bengal. In *Urban Commons, Future Smart Cities and Sustainability 2023* May 24 (pp. 981-1018). Cham: Springer International Publishing. [https://doi.org/10.1007/978-3-031-24767-5\\_42](https://doi.org/10.1007/978-3-031-24767-5_42)
- Basu, T., Mondal, B. K., & Ghosh, M. (2023). Exploring the Transformation of Agrarian Villages into Global Cultural Urban Centres Through GIS and Reaffirmation Method: An Enquiry on ISKCON, Mayapur of West Bengal (India). In *Urban Environment and Smart Cities in Asian Countries: Insights for Social, Ecological, and Technological Sustainability* (pp. 303-345). Cham: Springer International Publishing. [https://doi.org/10.1007/978-3-031-25914-2\\_14](https://doi.org/10.1007/978-3-031-25914-2_14)
- Basu, T.; Mondal, B.K.; Abdelrahman, K.; Fnais, M.S.; Praharaj, S. Assessing Urban Flood Hazard Vulnerability Using Multi-Criteria Decision Making and Geospatial Techniques in Nabadwip Municipality, West Bengal in India. *Atmosphere* 2023, 14, 669. <https://doi.org/10.3390/atmos14040669>
- Mondal, B. K., Basu, T., Das, R., Mahata, S., & Lee, M. A. (2023). Geospatial Assessment of Fluvial Dynamics and Associated Flood Vulnerability in the Bhagirathi-Hugli Sub-basin in West Bengal, India. In *Floods in the Ganga–Brahmaputra–Meghna Delta* (pp. 491-527). Cham: Springer International Publishing. [https://doi.org/10.1007/978-3-031-21086-0\\_21](https://doi.org/10.1007/978-3-031-21086-0_21)
- Basu, T. (2020). Alternative Agriculture and Its Impact on Rural Economy of Selected Mouza of Nadia District, West Bengal. *Studies in Indian Place Names*, vol. 40, issue 60, pp. 4690-4708. (UGC approved till March 2020)
- Basu, T. (2019). Analysis of the Variation of Work Participations of the Scheduled Tribes in the Agricultural Sector in the Districts of West Bengal. In Mete, J., and Roy. K. (Eds.). *Development of SCs*

& STs in Globalised World: Legal Issues and Livelihood Challenges (1<sup>st</sup> Edition), New Delhi Publishers, pp. 219-236, ISBN: 978-93-88879-20-0.

- Basu, T. (2019). Varying Infrastructural Situations of Agricultural Regulated Market Areas and Its Access with the Diversifying Nature of Crops in the Districts of West Bengal, India. *International Journal of Integrated Research and Development*, vol. 2, issue March 2019 (Special Issue), no 7, ISSN: 2278-8670. <https://www.ijird.org/#> (UGC approved in March 2019; Journal No. 41601)
- Paul, A. and Basu, T. (2018). Marketing of Agricultural Commodities in Chakdah C D Block of Nadia District, West Bengal. *Indian Journal of Landscape Systems and Ecological Studies*, vol. 41, no. 2, pp. 5-20, ISSN: 0971-4170. <http://ilee.org.in/Journal.php> (UGC approved in July 2018; Journal No. 20798)
- Basu, T. and Mondal, B. (2018). Fieldwork in Geographical Education: An Empirical Overview. *International Journal of Integrated Research and Development*, vol. 2, issue 14, pp. 119-123, ISSN: 2278-8670. <https://www.ijird.org/#> (UGC approved in March 2019; Journal No. 41601)
- Basu, T. (2018). On the Possible Influences of Climate Change and Global Warming on the Changing Nature of Human Physique and Psyche. *International Journal of Research on Social and Natural Sciences*, vol. III, issue 2, P. 11, ISSN (Online) 2455-5916. [http://www.katwacollegejournal.com/abstract/Tanmoy%20Basu-GeographyRevised\\_paper\\_\\_Paper\\_ID\\_12-30091707\\_.pdf](http://www.katwacollegejournal.com/abstract/Tanmoy%20Basu-GeographyRevised_paper__Paper_ID_12-30091707_.pdf) (UGC approved in December, 2017; Journal No. 45844)
- Basu, T. (2018). The Changes of Three-Dimensional Relationships between Student-Teachers and Teacher-Educators and Its Core-Periphery Situations in Bachelor of Education Curriculum in India: A Perceptual Study on West Bengal from Pre-NCTE to Post-NCTE Period in India. *IISRR –International Journal of Research*, vol. 4, issue II, pp. 210-222, Print Version: ISSN 2394-6873, Online Version: ISSN 2394-885X. <http://www.iisrr.in/journal/current-issue-of-journal/iisrr-ijr-vol-4-issue-ii-special-issue-august-2018/>
- Basu, T. and Saha, S.K. (2018). An Analysis of the Variation of Educational Status and Disparity of Literacy Rates in the Community Development Blocks of Nadia District in West Bengal. *Asian Journal of Research in Social Sciences and Humanities*, vol. 8, issue 6, pp. 27-53, ISSN 2249-7315. <http://doi:10.5958/2249-7315.2018.00089.8> (UGC approved in June, 2018; Journal No. 1262)
- Basu, T. (2017). Impact and Vulnerability of Drought on the Agriculture of Bankura District in West Bengal. In Mondal, B. K. (Ed.). *West Bengal: Geoinformatics for Sustainable Environment Management*, Netaji Subhas Open University, vol. I, pp. 83-108, ISBN: 978-93-82112-63-1.
- Basu, T. (2017). An Analysis of their Unevenness of Intra-Regional Development of Urban Space and Associated Vulnerabilities: A Study on Nabadwip Municipality in Nadia District, West Bengal, India. *IOSR Journal of Humanities and Social Science*, vol. 22, issue 9 (version-11), pp. 1-17, e-ISSN: 2279-0837 (p-ISSN: 2279-0845). <http://doi:10.9790/0837-2209110117> (UGC approved in September, 2017; Journal SI. No. 5070)
- Basu, T. and Saha, S.K. (2017). The Analysis of Land Use Land Cover Changes Using Geoinformatics and Its Relation to Changing Population Scenarios in Barasat Municipality in North Twenty Four Parganas, West Bengal. *International Journal of Humanities and Social Science Invention*, vol. 6, issue 8 (version-II), pp. 1-13, e-ISSN: 2319-7722 (p-ISSN: 2319-7714). [http://www.ijhssi.org/v6i8\(version%202\).html](http://www.ijhssi.org/v6i8(version%202).html) (UGC approved in December 2017; Journal No. 47449)
- Pramanick, D. and Basu, T. (2017). Responses on the Vulnerability of Farmers' Indebtedness in Samudragar Mouza in Purbasthali Block-I, Barddhaman. In Khan, D.K. and (Bhadra) Nath, S. (Eds.). *Contemporary Global Environmental Issues and Its Sustainable Management: Proceedings of the ICSSR sponsored two days National Seminar, Department of Geography, Haringahta Mahavidyalaya, Subarnapur, Nadia, 1<sup>st</sup> edition*, pp. 66-85, ISBN 978-81-929776-3-8.
- Basu, T. (2024). *Sambhabana Tatver Bastab Prayog*. Mandal, P. (Ed.). Bigyan Likhon (Vol. 1). Bigyankotha, Dhaka: Pranto Prokashon, ISBN: 978-984-98141-6-0.
- Edited a book entitled “Adhunik Kabita Sankalon”, a Collection of Bengali Poems published by Navonil Prakashan at the Kolkata International Book Fair 2023, ISBN: 978-81-960220-8-2.
- Published a book entitled “Jiboner Itibritto”, a Collection of Short Stories by Marichika, Dantan, Paschim Medinipur, and Karulipi, Kolkata-700004 on May 9, 2022, ISBN: 978-93-93841-41-4.

#### **Participation in Seminars/Conferences/Workshops and others:**

- Presented paper entitled “Agricultural Land Suitability Analysis Using Multi-Criteria Decision Making and Geospatial Techniques in Puruliya District in West Bengal, India” in ICSSR Research Project Funded Two-Days International Seminar on “Multidisciplinary Perspectives of Managing Environment and Resource for Sustainable Development” at NSOU Head Quarters, DD-26, Salt Lake, Kolkata-64, India on 22nd – 23rd April 2024.

- Achieved the certificate of training for successfully completing the 3 day workshop on “Structural Equation Modelling (SEM)” 26 Jan - 28 Jan 2024 issued by Indaca Institute of Skills (Certificate ID 3fdfecaf-ee71-4523-b0a7- 6367e050105e).
- Presented a paper entitled “Geospatial Analysis of the Health-Associated Socio-Economic and Infrastructural Disparities During Covid-19 in Kolkata Municipal Corporation in India” at the 2nd Annual Health Geography Symposium for Ph.D. and emerging researchers 2023 on 14.12.2023 and 15.12.2023 organized by International Geographical Union Commission on Health and the Environment (IGU CHE), Maastricht University Netherlands, Universidade de Coimbra Portugal, University of Bucharest Romania and Serampore Girls’ College University of Calcutta India.
- Achieved the certificate of attendance for participating in the following webinar: Topics|EO&GEO Series: Drones for Rural Development, 09 October 2023, 2:00 pm CEST; Topics Journal: Remote Sensing, Drones, ISPRS International Journal of Geo-Information, Land and Geomatics (MDPI).
- Achieved the certificate of participation for successfully completing the One Month Professional Online Certificate Course on “ARC GIS PRO” Organized by Integrated Institute for Advanced Research and Information (IIARI) from 24th September 2023 - 04th November 2023 (CERTIFICATE NO: IIARI/ARCP/10000010, DATE OF ISSUE 04. 11. 2023).
- Achieved the certificate of participation for successfully completing The Five Days National Level Online Capacity Building Workshop cum Hands-on Training Programme on “SPSS: BASIC TO ADVANCE [5.0]” Organized by Integrated Institute for Advanced Research and Information (IIARI) from 09th August 2023 - 13th August 2023.
- Participated in the One Day International Seminar on “Geographical Information System and Economic Development” organized by the Department of Geography and IQAC, Katwa College in collaboration with (Under MoU) the Department of Geography and IQAC, Kandra Radha Kanta Kundu Mhavidyalaya, Kandra on 10<sup>th</sup> June 2023 at Katwa College.
- Awarded the Certificate of Participation in the Three Days State Level Workshop cum Hands-on Training Programme on “QGIS AN OPEN SOURCE GIS SOLUTION” organized by Katwa College & IIARI, Kolkata from 15<sup>th</sup> May 2023 to 17<sup>th</sup> May 2023 at Katwa College, Katwa, Purba Bardhaman.
- Achieved the certificate of training for successfully completing the 2 day training on “Application of Remote Sensing and GIS in Agriculture” 1-2 April 2023 issued by Indaca Institute of Skills (Certificate ID 638c3a08-6a5c-4eb5- 962a-ef36418122e8).
- Awarded the online certificate of completion of the 2 day training on “Python for Geospatial Science” on 13-14 May 2023 organized by Indaca Institute of Skills (Certificate ID: 8cbe4ed8-8aef-49f0-a2c5-409c12319ea6, Date of issue: 2023-02-19).
- Achieved Certificate of Completion for participating in the ERCAG 2023 8-hour online course titled “The Production of Space: China as a Critical Geography Perspective” held from March 17, 2023, to April 21, 2023.
- Achieved Certificate of Completion for participating in the ERCAG 2023 12-hour online course titled “Introduction to Geopolitical Economy” held from March 1, 2023, to April 12, 2023.
- Certified the Certificate of Appreciation for participating in One Day Webinar on “ISRO Mission Chandrayan: It’s Payloads & Applications” sponsored by Indian Society of Geomatics (ISG) and organized by M.Sc. Geoinformatics Department, ISTAR College, Vallabh Vidyanagar, Gujarat, India on 18th March 2023 (This Certificate can be validated on [www.istar.edu.in](http://www.istar.edu.in)).
- Certified the Certificate of Appreciation for participating in One Day Webinar on “Introduction of LIDAR Technology” sponsored by Indian Society of Geomatics (ISG) and organized by M.Sc. Geoinformatics Department, ISTAR College, Vallabh Vidyanagar, Gujarat, India on 18th March 2023 (This Certificate can be validated on [www.istar.edu.in](http://www.istar.edu.in)).
- Awarded the online certificate of completion of the 2 day training on “Land use/cover change detection analysis with cloud computing and open-source software” on 25-26 March 2023 organized by Indaca Institute of Skills (Certificate ID: b8e256a3-440f-48c9-9c75-f11b8767a686, Date of issue: 2023-03-26).
- Awarded for successful completion of Webinar and Workshop on “Future of GIS and Remote Sensing Software: ArcGIS and ArcGIS Pro” organized by AGSRT on 25<sup>th</sup> March 2023.
- Certified the Certificate of Attendance in the webinar of lectures on “Resource Conservation and Management in Mountain Ecosystems” organized in the Grassroots Global Leadership Programme by the Grassroots Institute on 23 February 2023.
- Awarded the online certificate of completion of the 2 day training on “Ground Water Modelling” on 18-19 February 2023 organized by Indaca Institute of Skills (Certificate ID: 118e851f-b058-4fe8-86a0-6eb0e8717a2f, Date of issue: 2023-02-19).

- Presented paper entitled “Spatio-Temporal Analysis of Drought Using Geospatial Technique for Resilient Agricultural Development in Purulia District, West Bengal in India” in the Two Day International Seminar on ‘Sustainable Development: From the Perspective of Nature and Nurture’ organized by the Department of Geography, School of Sciences, Netaji Subhas Open University, Kolkata in collaboration with Byanjanbarna Foundation on 10<sup>th</sup> -11<sup>th</sup> February 2023.
- Awarded the online certificate of completion of the 2 day training on “Digital Elevation Model and Their Applications” on 4-5 February 2023 organized by Indaca Institute of Skills (Certificate ID: 6375e27d-35a7-4672-8efa-97c7d7146066, Date of issue: 2023-02-05).
- Awarded the certificate of participation (CERTIFICATE NO: IIARI/RPF23/0102000082) in One Day National Virtual Workshop on “HOW TO WRITE A RESEARCH PAPER” organized by IIARI, Kolkata on 5<sup>th</sup> February 2023.
- Awarded the certificate of completion (CERTIFICATE NO: IIARI/ARC/22-23/100000049, DATE OF ISSUE: 07.01.2023) of One Month Professional Online Certificate Course on “ARC GIS: A Geospatial Tool” organized by Integrated Institute for advanced research and information (IIARI), Kolkata from 03<sup>rd</sup> December 2022 to 07<sup>th</sup> January 2023.
- Participated in the oral presentation of the paper entitled “Geospatial assessment of the flood vulnerability in Nabadwip Municipality in West Bengal” in the ‘5<sup>th</sup> Regional Science and Technology Congress, 2022-23’ organized jointly by Maulana Azad College, Kolkata, and Department of Science and Technology and Biotechnology, Government of West Bengal on 4<sup>th</sup> and 5<sup>th</sup> January 2023 at Moulana Azad College, Kolkata.
- Achieved Certificate of Completion of the online courses on Coordinate Reference Systems, Projections, and Spatial Data Representation (Certificate ID: keap92awmv issued on 26-11-2022), Introduction to LaTeX (Certificate ID: 2mpxdbv38s issued on 28-11-2022), Hyperspectral Thermal Image Unmixing (Certificate ID: hwp8y6sqsr issued on 30-11-2022), Sentinel Hub Webinar Series (Certificate ID: c2xOrgv7ez issued on 30-12-2022) under GEO University.
- Participated as a member of the organizing committee of a one-day seminar on “Geographical Education & Research: Future Academic & Career Perspectives After Under Graduate course” organized by the Department of Geography, Katwa College on 22.11.2022.
- Participated and presented a paper entitled ‘Assessing the spatial pattern of health inequalities and driving blueprint during COVID-19 pandemic in Kolkata Municipal Corporation, West Bengal (India)’ in the ‘10 TH EAST ASIAN REGIONAL CONFERENCE IN ALTERNATIVE GEOGRAPHY (10<sup>th</sup> ERCAG)’, held in Department of Geography, National Taiwan University, Taipei, Taiwan from 9 to 11 December 2022. <https://sites.google.com/view/earcag2022?pli=1>
- Completed the participation in 10 Day’s National e-Workshop on “Basics to Advanced: Hands on Training of SPSS in Research Data Analysis” from 23<sup>rd</sup> November 2021 to 2<sup>nd</sup> December 2021 organized by A.K. Dasgupta Centre for Planning and Development, Visva-Bharati.
- Presented a paper on ‘Occupational Diversification of Rural Workforce in Puruliya Sadar (East) Subdivision of Puruliya District in West Bengal, India’ in the IGS-International E-Conference on “EARTH SCIENCES AND SUSTAINABLE DEVELOPMENT GOALS” Conducted from 5<sup>th</sup> to 7<sup>th</sup> August 2021 by Dept of Geography, Osmania University, Hyderabad, Telangana in Collaboration with the Indian Geographical Society, Chennai.
- Participated in the 7 Days Faculty Development Programme on Data Analysis using SPSS with Interpretation for Social Sciences organized by IQAC of ST PAULS COLLEGE, Bengaluru in Association with MOUNT CARMEL COLLEGE, AUTONOMOUS, Bengaluru (Mentor Institute – UGC Paramarsh) from 12 July 2021 to 19 July 2021.
- Participated in International Virtual Training Workshop on Research Methodology and Data Analysis Using SPSS Software Jointly organized by the Department of Statistics, CNCS, Mizan-Tepi University, ETHIOPIA in collaboration with MathTech Thinking Foundation, INDIA from 24-30 June 2021.
- Participated in One Week Short Term Training Programme on “Research 2.0: From Discovery to Dissemination” (online mode) organized by the Centre for Information Resource Management (CIRM) of the University of Kalyani held during March 02-08,2021.
- Participated in the one day National Webinar on "Women, Environment and Sustainable Development" organized by the Department of Geography, Cluny Women's College, Kalimpong, West Bengal, Pin-734301 held on 17th October 2020.
- Certificate of participation is presented for actively participating in Webinar-02 on “The Sundarbans: A natural Resiliency of the Country” on 12<sup>th</sup> October and Webinar-03 on “Flood Resilience: Opportunities and Challenges” of the event 'DRR Week 2020' hosted by the Resilient Bangladesh.
- Participated in the One Day International Webinar on “Power of GIS and 3D Modelling” held on 4<sup>th</sup> October 2020 organized by GEO-PASSONATES’ A Research Initiative.

- Participated in the webinar on ‘Air Quality during Lockdown: Experience of West Bengal’ organized by the Department of Geography, Shahid Matangini Hazra Government College for Women on 2 October 2020.
- Certified as actively participated in the Webinar Series (Certificate ID: B6ZR4I-CE000048) on “Geography in Contemporary World” (9<sup>th</sup>, 12<sup>th</sup>, 16<sup>th</sup>, 19<sup>th</sup>, 23<sup>rd</sup>, 26<sup>th</sup> & 29<sup>th</sup> September 2020 organized by the Department of Geography, Raidighi College, South 24 Parganas in collaboration with Bhugol O Paribesh & The Geographical Society of Sundarbans.
- Actively participated in the International Webinar (Certificate ID: GAWEAO-CE000232) on ‘Impact of Climate Change on Rural Livelihood: A Geographical Overview’ organized by *Sambhu Nath College*, Labpur, Birbhum, W.B., India in collaboration with *Bhugol O Paribesh* on 27<sup>th</sup> September 2020 through Digital Platform.
- Participated actively in the Two-Day International Webinar on “COVID-19 Pandemic: A Geo-ecological Perspective on 26-27<sup>th</sup> September 2020 organized by the Foundation of Practising Geographers, Kolkata.
- Certified for completed 21 days Online GIS Training Program (Reg.No: QGIS6660) using QGIS, conducted by the Department of Geography, School of Earth Sciences, Central University of Karnataka, India, jointly with State Institute of Urban Development, Karnataka, India from September 7<sup>th</sup>, 2020 to September 27<sup>th</sup>, 2020.
- Participated in the One Day National Webinar (Sl. No: KC/IQAC-CESS/ 0224) on “National Education Policy 2020 – Impact on Higher Education” on 22<sup>nd</sup> September 2020 organized by IQAC, Katwa College in collaboration with Centre for Educational and Social Studies (CESS), Bengaluru.
- Participated in The One Day National Webinar On “Climate Change: Challenges and Prospects” on 18<sup>th</sup> September 2020 organized by the Department of Geography Collaboration with IQAC, Dukhulal Nibaran Chandra College, Aurangabad, Murshidabad, West Bengal.
- Participated in the State Level Webinar on “Techniques of Field Investigation and Primary Data Analysis in Geography” held on 16<sup>th</sup> September 2020 organized by the Department of Geography in collaboration with IQAC of Gour Mohan Sachin Mandal Mahavidyalaya, Bireswarpur, South 24 Pgs., West Bengal.
- Actively participated in One Day National Level Webinar, titled “Geography and Allied Discipline: Future Scope and Career Opportunities” organized by the Department of Geography and collaboration with I.Q.A.C, Chatra Ramai Pandit Mahavidyalaya on 15<sup>th</sup> September 2020.
- Participated in a One-Day State Level Webinar on “NATIONAL POLICY OF EDUCATION 2020: ISSUES AND CHALLENGES” held on 9<sup>th</sup> September 2020, organized by Internal Quality Assurance Cell, Egra Sarada-Shashi Bhavan College, Egra, Purba Medinipur, West Bengal, 721419, India.
- Actively participated in the one day national webinar entitled “RECENT ISSUES ON GEOGRAPHICAL STUDY AND ITS FUTURE PROSPECTS” held on 7<sup>th</sup> September 2020 Organized By: Department of Geography, M.U.C. Women’s College, Burdwan, West Bengal, 713104, India.
- Actively Participated in a One-Day Interdisciplinary International Webinar on Exploring and Understanding Manifold Socio-Cultural Dimensions of Pandemic Covid-19: Deliberating from Geo-Environmental Perspectives, organized by the PG Department of Geography, Chandernagore College, Hooghly on 6<sup>th</sup> September 2020.
- Acted as a member of the organizing committee and participated in One Day International Webinar ON “EMERGING DISASTER ISSUES: CAUSES AND CONSEQUENCES” organized by the Department of Geography in Collaboration with IQAC, Katwa College, Katwa, Purba Bardhaman, West Bengal 713130, India on 27 August 2020.
- Certified for participation and successful completion of the “7 Days Online GIS Training Programme using QGIS Software” (online mode) organized and conducted by the Department of Geography, Nagar College, Nagar, Murshidabad in collaboration with Dumkal College, Basantpur, Murshidabad from 24<sup>th</sup> August – 30<sup>th</sup> August 2020.
- Actively participated in the International Webinar on “Challenges of Climate Change and Sustainable Development Goals” organized by the Department of Geography, School of Basic and Applied Sciences, Adamas University, Kolkata on 29<sup>th</sup> June 2020.
- Participated in the webinar organized by the Department of Geography, School of Basic and Applied Sciences, Adamas University, Kolkata on the theme of “Application of GIS-RS Based Techniques and Research Horizon in Geographical Studies” on 20<sup>th</sup> June 2020.
- Participated in the One Day National Webinar on “An Incredible Journey to Antarctica: The White Continent” held on 14<sup>th</sup> June 2020 organized by the Department of Geography in association with IQAC, Haringhata Mahavidyalaya, Subarnapur, Nadia, West Bengal, India (Certificate ID: GEOHVM/C/332).
- Certified for passionately participating and contributing valuable suggestions in the Live Discussion Panel: Updating Trends of Research Methodology, Part-I organized by Shree Nagulan Research Training and consultancy, Pollachi, - 642001, Coimbatore, Tamil Nadu, India conducted on 01<sup>st</sup> May 2020.



- Certified for attending An Interactive Webinar on “SYSTEMATIC LITERATURE REVIEW – S.R.A.M. MODEL” conducted by Dr. Hiren Patel from 23/04/2020 to 26/04/2020.
- Certified for successfully participating in the ‘INTERNATIONAL FACULTY DEVELOPMENT PROGRAMME’ (online mode) on “DEVELOP THE ABILITY TO WRITE RESEARCH PROPOSAL” conducted by AIMIT (Affiliated to Bengaluru Central University), 75, 5<sup>th</sup> Main Road, Devanathachar Street, Nanjamba Ayrachara, Chamrajpet, Bengaluru, Karnataka 560018 on 24<sup>th</sup> April 2020.
- Certified for successful completion of the course of GEO University (online mode) “The EOS Platform” on April 13, 2020 (This certificate was issued by GEO University with Blockchain technology and has Certificate ID 16301790).
- Certified for participation and successful completion of the Seven Days National Workshop (online mode) on “Multivariate Analysis using SPSS & AMOS” held from 06<sup>th</sup> – 12<sup>th</sup> April 2020 organized by the Department of Management Studies, Kongu Engineering College, Perundurai, Erode-638060, Tamil Nadu.
- Certified for successful completion of the course of GEO University (online mode) “Introduction to Remote Sensing” on March 28, 2020 (This certificate was issued by GEO University with Blockchain technology and has Certificate ID 15613497).
- Paper presented on ‘IMPLEMENTATION OF AGROPOLITAN APPROACH TOWARDS A SUSTAINABLE REGIONAL DEVELOPMENT OF BARDDHAMAN DISTRICT OF WEST BENGAL’ in Two Day International Seminar on “Sustainable Development & Inclusive Growth Methods to Methodology” sponsored by The Department of Higher Education, Govt. of West Bengal, The Department of Science and Technology, Govt. of West Bengal and organized by PG Department of Geography and Department of Statistics, Lady Brabourne College in collaboration with School of Oceanographic Studies, Jadavpur University on 3<sup>rd</sup> and 4<sup>th</sup> March 2020.
- Participated in the state-level seminar on ‘Geography Through the Lens of History’ jointly organized by Nabadwip Puratattva Parishad and Bhugol O Paribesh on 10<sup>th</sup> November, 2019 at Nabadwip Puratattva Parishad Seminar Hall.
- Paper accepted and certified on ‘The Changes of Three-Dimensional Relationships between Student-Teachers and Teacher-Educators and Its Core-Periphery Situations in Bachelor of Education Curriculum in India: A Perceptual Study on West Bengal from Pre-NCTE to Post-NCTE Period in India’ in the National Seminar on “Quality Teacher Education in the Era of Innovation” organized by ShyamanginiKundu College of Education in collaboration with Dali Kundu P.T.T.I. (Recognized by: N.C.T.E., Affiliated by: WBUTTEPA), Salar, Murshidabad, West Bengal 742401 on 17<sup>th</sup> August 2018.
- Paper presented on ‘Analysis of the Variation of Work Participations of the Scheduled Tribes in the Agricultural Sector in the Districts of West Bengal’ in the National Seminar on “Tribal Culture in West Bengal” organized by Cultural Research Institute, Tribal Development Department, Government of West Bengal sponsored by the Ministry of tribal Affairs, Government of India on 28<sup>th</sup> and 29<sup>th</sup> June 2018.
- Paper presented on ‘A Perception Study on the Application of ‘Relational Triangles’ in Researching the Triangular Formations of Human Psycho-social Relationship’ in the National Seminar on “The World of Geography” held on 23<sup>rd</sup> and 24<sup>th</sup> March 2018 at the Seminar Hall. ‘Fermion’ and ‘Boson’, SatyendraNath Bose National Centre for Basic Sciences, Kolkata.
- Paper presented on ‘Analysis of the Changing Scenario of Cropping Pattern within the Dynamic Agro-environmental Conditions in Sundarban Region in West Bengal’ in oral sessions of the 2<sup>nd</sup> Regional Science and Technology Congress (Southern Region), 2017 (2<sup>nd</sup> RSTC (SR), 2017) jointly organized by University of Kalyani (K.U.) and Department of Higher Education, Science and Technology and Biotechnology (DHESTBT), Government of West Bengal during December 14-15, 2017 at University of Kalyani, Kalyani, Nadia-741235.
- Paper presented on ‘Impact and Vulnerability of Draught on the Agriculture of Bankura District in West Bengal, India’ in the UGC-DEB sponsored National Seminar on “Environmental Management with the Application of GIS and Geoinformatics”, organized by the School of Sciences, Netaji Subhas Open University on September 9, 2017.
- Paper presented on ‘Responses of agrarian communities about their psycho-social relationship with land: A micro-level study in Barddhaman District, West Bengal, India’ in the 1<sup>st</sup> IGU-AGLE Commission’s Conference on “Global Rural Development and Land Capacity Building” from 26<sup>th</sup> -29<sup>th</sup> August in Yulin city, Shaanxi province, China. <https://igu-online.org/igu-commission-on-agriculture-and-land-engineering-inaugural-conference-26-29-august-2017/?lang=fr>
- Attended as a paper presenter on ‘Responses on the Vulnerability of Farmer’s indebtedness in Samudragar Mouza in Purbasthali Block-I, Barddhaman’ in ICSSR sponsored two days National Seminar on “Contemporary Global Environmental Issue and Its Sustainable Management” on 21<sup>st</sup> and

22<sup>nd</sup> April 2017 in Haringhata Mahavidyalaya, Haringhata, Nadia, West Bengal, India. A proceeding was published with ISBN 978-81-929776-3-8 during the days of the seminar.

- Paper presented on ‘An Analysis of the Unevenness of Intra-Regional Development of Urban Space and Associated Vulnerabilities: A Study on Nabadwip Municipality in Nadia District, West Bengal, India in X International Geographical Union, Conference on “Urbanization, Health and wellbeing and Sustainable Development Goals” on 17<sup>th</sup>-19<sup>th</sup> March 2017 organized by the Department of Geography and Geo-informatics, Osmania University, Hyderabad, India.
- Paper presented on ‘Problems of Local People Due to Flood Occurrence in Nabadwip Municipality and its Prospects: A Geographical Study’ in UGC sponsored one day National Level Seminar on “Natural Hazard and Disaster: Special Emphasis on Cyclone and Flood in West Bengal” on 9<sup>th</sup> October 2015 at Vivekananda Mahavidyalaya, Haripal Hooghly, West Bengal, India.
- Participated in one day “User Awareness Programme on Access to E-resources under \UGC INFONET Digital Library Consortium” on 28<sup>th</sup> September 2015 at University of Kalyani, Kalyani, Nadia, West Bengal, India.
- Paper presented on ‘Evolution of RASA Festival in Nabadwip’ in International Seminar on “Environmental; perspectives and Resource Management” on 19<sup>th</sup> -20<sup>th</sup> December 2014 at Institute of Landscape, Ecology, and Ekistics in Kolkata, West Bengal, India.
- Participated in the model competition at University of Kalyani, in Kalyani, Nadia, and also West Bengal State Student-Youth Science Fair, 2014 in Kolkata, West Bengal, India on the topic “Water Conservation and Management.”
- Participated in UGC sponsored State Level Seminar on “Environmental Degradation and Strategies for Conservation and Management” on 24<sup>th</sup> -25<sup>th</sup> November 2011 organized by Department of Geography, Krishnagar Government, Krishnagar, Nadia College in collaboration with WWF, West Bengal State Office, Kolkata, West Bengal, India.

#### **Specialization and Interests:**

Special attention is given to Agricultural Geography (the special Paper in the final year of my M.Sc., 2016), Contemporary Socio-Economic Issues, Regional Planning and Development, Environmental Sustainability and Disaster Management, Geo-informatics and Statistical applications in Geography and allied disciplines.

#### **Membership and Reviewer:**

1. Katwa College Co-operative Society (KCECCSL).
2. Katwa College International Journal and Research Committee (IJ & RC\_KC).
3. Editorial Review Board member of the International Journal of Agricultural and Environmental Information Systems (IJAEIS), IGI Global (February 7, 2024).
4. Convenor of Academic review meeting of the semester-end examinations (Department of Geography, Katwa College).
5. Voluntary reviewer of Asian Soil Research Consortium, IGI Global, International Journal of Research On Social and Natural Sciences (Katwa College), Spatial Information Research (Springer), International Journal of Community Well-Being (Springer), Regional Sustainability (Elsevier), International Journal of Applied Earth Observation and Geoinformation (Elsevier), Environmental and Sustainability Indicators (Elsevier).

#### **Declaration:**

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

**Date: 23.08.2023**

**Place: Katwa, Purba Bardhaman,  
West Bengal, India  
PIN: 713130**

**(TANMOY BASU)**