

CURRICULUM VITAE

Dr. UJJWAL BISWAS

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Permanent Address: S/O Sorojit Biswas, VILL. Bansghata, P.O. Amdobe, P.S. Bagdah, DIST. North 24 Parganas, PIN No. 743251 West Bengal, India.

Education:

- **PhD** from the Department of Computer Science and Engineering, IIT Guwahati, Assam, India, January 2024.
- IIT Guwahati, **course work** (Computer Vision using Machine Learning, Embedded Systems, Internet Protocols, and Speech Processing), **CPI-7.5**.
- **M.Tech.** from the Department of Computer Science and Engineering, NITTTR (under MHRD, Govt. of India), Kolkata, Salt Lake, in 2010, **DGPA-7.89**.
- **B.Tech.** Information Technology, from B.P. P. I. M.T (under W.B.U.T) in 2006, **DGPA-7.06**.

Achievement:

- Qualified **West Bengal SET 2015** for Asst. Prof. in Computer Science and Applications.
- Qualified **UGC-NET 2014** for Asst. Prof. in Computer Science and Applications.
- Qualified **UGC-NET 2013** for Asst. Prof. in Computer Science and Applications.
- Qualified **UGC-NET 2012** for Lectureship in Computer Science and Applications.
- Qualified **GATE 2008** with All India Rank 846.

Certification:

- **IBM certification**, Rational Functional Tester for Java (2011).
- **IBM certification**, IBM DB2 (2011).
- **IBM certification**, Lotus Notes Domino 8 System Administration Fundamentals (2011).

Professional Experience:

1. **6 months as Temporary Faculty**, Temporary Faculty, Department of Computer Science and Engineering, IIIT Bhagalpur, Bihar.

2. **3 years**, as **TA** (Computer Graphics, Design & Implementation of Human-Computer Interfaces, and User-Centric Design for Human-Computer Interaction), **NPTEL** courses at **IIT Guwahati** for Jan-May and June-Sept 2021, Jan-May and June-Oct 2022, Jan-May and June-Oct 2023.
3. **5 Years** as **TA** in various UG/PG courses at **IIT Guwahati**, Assam, India, from July 2016 to June 2021.
4. Worked as a **Visiting Faculty** (Introduction to Computing) in dept. of CSE, National Institute of Technology (NIT) Durgapur, **July-Nov 2014 semester**.
5. Worked as a **Visiting Faculty** (Introduction to Computing) in dept. of CSE, National Institute of Technology (NIT) Durgapur, **July-Nov 2013 semester**.
6. **1 Year** and **4 months** as an **Asst. Prof.** (Multimedia, Compiler Design, Artificial Intelligence, DBMS, Networking, Lab on DBMS, Multimedia, and advanced programming and DBMS (PG)) in BCET, Bidhan Nagar, Durgapur.
7. **3 years** and **3 months** as an **Asst. Prof.** (Object Technology and UML, Multimedia Technology and Application, Internet Technology, Formal Languages and Automata Theory, System Programming and Operating System, Lab on JAVA, Multimedia, Operating System, Networking, and trainer for IBM DB2 online certification course) in CIT Uluberia, Howrah, West Bengal.
8. **2 years, Senior Software Faculty** (C, C++, Java, VB6.0, J2EE, and Project) in AOIT, Kolkata, West Bengal.

Industry Experience:

1 Year and 9 months as **Software Developer** (Govt. West Bengal, WBAT, Bikash Bhawan, 3rd Floor, East Block, Salt Lake, Kolkata-700091) for support and project, supervised by National Informatics Centre (NIC), India, Vidyut Bhawan Gr. Floor, Block DJ, Sector II, Salt Lake City, Kolkata.

Research Interest:

- Human-computer Interaction (HCI), Learning Technology, Machine Learning, Mobile HCI, User-centric Computing.

Journal Publications:

1. **Ujjwal Biswas** and Samit Bhattacharya, "ML-based Intelligent Real-time Feedback System for Blended Classroom", Springer, Education and Information Technologies (2023). <https://link.springer.com/article/10.1007/s10639-023-11949-5> (Q1 Journal)
2. Samit Bhattacharya, Viral Bharat Shah, Krishna Kumar, and **Ujjwal Biswas**, "A real-time interactive visualizer for large classroom", ACM Transactions on Interactive Intelligent Systems (TiiS), 11, no. 1 (2021): 1-26, <https://doi.org/10.1145/3418529> (Q1 Journal)
3. Samit Bhattacharya, **Ujjwal Biswas**, Shubham Damkondwar, and Bhupender Yadav, "Real-time ICT-based Interactive Learning Analytics to Facilitate Blended Classrooms", Education and Information Technologies, URL: <https://doi.org/10.1007/s10639-023-12327-x> (Q1 Journal)

Conference Publication:

4. **Ujjwal Biswas** and Samit Bhattacharya, Multimodal Peripheral Alert to Improve Teaching-Learning for Blended Classroom. In: Fong, S., Dey, N., Joshi, A. (eds) ICT Analysis and Applications. Lecture Notes in Networks and Systems, vol 517. Springer, Singapore. https://doi.org/10.1007/978-981-19-5224-1_70
5. **Ujjwal Biswas** Presented TiiS paper in IUI'22 (27th Annual Conference on Intelligent User Interfaces).

Video Link:

https://www.youtube.com/watch?v=CdNDAwTV_ic&ab_channel=ACMSIGCHI