Name: Dr. Sibun Parida

Designation: Assistant Professor in Computer Application & IT

Qualifications: Ph.D. (CSE), M-Tech. (IT), B-Tech. (CSE)

Email ID: sibun.parida@sxuk.edu.in, sibun.parida@gmail.com

Biographical Sketch

Dr. Sibun Parida joined St. Xavier's University, Kolkata on 3rd November 2025 as an Assistant Professor. He holds a Ph.D. in Computer Science and Engineering from the University of Calcutta, an M.Tech. in Information Technology from Tezpur University, and a B.Tech. from Biju Patnaik University of Technology, Odisha.

He completed his doctoral research at the Division of Bioinformatics, Bose Institute under the supervision of Dr. Zhumur Ghosh. His research focused on identifying key molecular drivers of disease progression using comparative genomics. During his Ph.D., he contributed to research projects funded by the Department of Biotechnology (DBT) and the Science & Engineering Research Board (SERB), India. He is also a GATE 2012 qualifier and has received prestigious fellowships, including the DST-Senior Research Fellowship (2013–2016) and the SERB-Research Associate Fellowship (2017–2020).

Before joining SXUK, Dr. Parida served at the Institute of Technical & Education Research (ITER), Siksha 'O' Anusandhan University, Bhubaneswar. With over 12 years of teaching and research experience, he has published SCI-indexed papers, received a Best Paper Award, reviewed for reputed international journals, published patent, chaired conference sessions, organized sponsored faculty development program and supervised several innovative student projects.

Areas of Specialisation and Research

His key areas of expertise include computational biology, bioinformatics, algorithms, genomics, machine learning, and artificial intelligence.

Teaching Experience

Assistant Professor   November 2025- till date
Computer Applications & Information Technology,
St. Xavier's University, Kolkata

Assistant Professor (Grade-I)   January 2022- November 2025
Department of Computer Science & Information Technology,
ITER, Siksha 'O' Anusandhan University, Bhubaneswar, Odisha

Associate Professor   September 2020- January 2022
Department of Computer Science & Engineering,
University of Engineering & Management Jaipur, Jaipur, Rajasthan

Assistant Professor   December 2012- June 2013
Department of Computer Science & Engineering, School of Engineering & Technology,
Kaziranga University, Jorhat, Assam

Assistant Professor   July 2011- November 2012
Department of Computer Science & Engineering,
Bipin Chandra Tripathi Kumaon Engineering College, Dwarahat, Uttarakhand

Administrative Responsibility

➢ At ITER, Siksha 'O' Anusandhan University, he served as the Superintendent of Boys Hostel–10 from 5th November, 2022 to 1st November 2025.

➢ In the Department of Computer Science & Information Technology, ITER, he contributed as the Department Representative for NBA accreditation, Course Outcomes and Program Outcomes, and the NAAC Preparedness Committee for Research, Innovations, and Extensions.

➢ At University of Engineering & Management (UEM), Jaipur, he was a member of both the NAAC Preparedness Committee for Research, Innovations, and Extensions and the UGC Preparedness Committee for Research and Publications.

➢ played a significant role at Kaziranga University by designing the prospectus, syllabus, and course-credit structure for the undergraduate and postgraduate programs of the School of Computing Sciences.

> ➢ He served as a Practical Examiner for *Cryptography and Network Security* at Tula's Institute, Dehradun under UKTECH in December 2011.

Publications

Chapter/Article published in Books

- (2025) **"A Comprehensive Survey on AI-Driven Security Solutions for Smart Farming and Agricultural IoT Networks."** Block chain and AI for Security and Privacy in Smart Agriculture (CRC Press, Taylor &Francis) [in press]
- (2025) **"Advances in AI and Machine Learning for Risk Assessment in Agricultural Cyber security: A Systematic Review."** Block chain and AI for Security and Privacy in Smart Agriculture (CRC Press, Taylor &Francis) [in press]

Article published in conferences

- (2019) **AccessE-Algorithm to detect the accessible segments during LncRNA-mRNA interactions.** ICACCP2019 (Second International Conference on Advanced Computational and Communication Paradigms, SMIT, Sikkim, India, IEEE Conference Record #45516 [**BEST PAPER AWARD**]

Article published in Peer-reviewed journals

- **(2024) "Adaptive Cloud Task Management: An Integrated Approach for LSTM and HBA"**, African Journal of Biological Sciences, (Pati D, Dash A, Mishra A, Nayak S, **Parida S)**, Vol. 6 (4), Pp. 1112-1130, ISSN: 2663-2187
- **(2024) "LncRTPred: Predicting RNA–RNA mode of interaction mediated by lncRNA"**, IUBMB life**,** (Das G, Das T, Parida S, Ghosh Z), Vol. 76 (1), Pp. 53-68, ISSN: 1521-6543
- **(2021) "LncRBase V.2: an updated resource for multispecies lncRNAs and ClinicLSNP hosting genetic variants in lncRNAs for cancer patients"**, RNA biology, (Das T, Deb A, **Parida S**, Mondal S, Khatua S, Ghosh Z), Vol. 18 (8), Pp. 1136-1151, ISSN: 1547-6286
- **(2019) "Elucidating the gene regulatory networks modulating cancer stem cells and non-stem cancer cells in high-grade serous ovarian cancer"**, Genomics, (**Parida S**, Chakraborty S, Maji RK, Ghosh Z), Vol. 76 (1), Pp. 53-68, ISSN: 0888-7543
- **(2017) "Small RNA sequencing revealed dysregulated piRNAs in Alzheimer's disease and their probable role in pathogenesis", Molecular BioSystems,** Roy J, Sarkar A, Parida S, Ghosh Z, Mallick B, Vol. 13 (3), Pp. 565-576, ISSN: 1742-2051