

Sudipta Roy (Ghosh)

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Dumdum, Kolkata – 700080,
West Bengal, India
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Career Objective

To pursue a challenging career as an Assistant Professor by contributing to quality teaching, research, and academic development while continuously enhancing professional competence.

Teaching Experience

Assistant Professor (Grade III)

Department of Information Technology

B. P. Poddar Institute of Management and Technology, Kolkata

June 2016 – Present

Computer Teacher

The New Town School, Kolkata

April 2016 – June 2016

Part-Time Lecturer

Department of Information Technology

Government Engineering College, Bilaspur (C.G.)

2011 – 2015

Academic Credentials

| Qualification | Institution | University / Board | Percentage | Year |
|--------------------------------------|--|---|------------|------|
| M.Tech (Software Engineering) | Institute of Science & Technology | Dr. C. V. Raman University, Bilaspur (C.G.) | 80.37% | 2014 |
| B.E. (Information Technology) | Institute of Technology | Guru Ghasidas Central University, Bilaspur (C.G.) | 80.4% | 2011 |
| Higher Secondary | Bharat Mata Higher Secondary School, Bilaspur (C.G.) | C.G. Board | 78.8% | 2007 |
| Matriculation | St. Xavier's H.S. School, Akaltara (C.G.) | C.G. Board | 85.13% | 2005 |

Subjects Taught

1. Computer architecture (IT)
2. Database Management System (EE, MCA)
3. Object Oriented Programming (IT, ECE)
4. Data Structure & Algorithm (IT, EE, ECE)
5. Computer Network (IT, EE)
6. Numerical Methods (ECE)

Areas of Interest

1. Data Security
2. Software Engineering
3. Mobile Application Security
4. Database Management System

Publications

Journals

1. Roy, S., Majumder, P., Chatterjee, S., Chakraborty, A., Shekhar, M., Chakraborty, S., & Chowdhury, S. (2023). *Study on Two Stage Authentication for Online Transaction in Mobile Devices*, **Scientific Voyage**, 3(4), 1–5.
2. Chakrabarti, S., Roy, S., Chowdhury, S., & Gharai, P. (2023). *Data Security Perspective in Secure Data Communication*, **Scientific Voyage**, 3(4), 6–8.
3. Ghosh, S., Tandan, S. R., & Lahre, K. (2013). *Shielding Android Application against Reverse Engineering*, **IJERT**, 2(6), 2635–2643.
4. Ghosh, S., Tandan, S. R., & Lahre, K. (2013). *Securing Android Application with Anti-Reversing Techniques*, **CiiT International Journal of Automation and Autonomous Systems**, ISSN 0974-9659.

Conferences

1. Chakrabarti, S., **Roy, S.**, & Chowdhury, S. *Dual Layer Validation of Digital Documents with Dynamical Concealment of Signature Fragment Combinations and Authentic Signature Share (DVDDSCAS)*, **COMSYS 2024** (In Press).
2. Ghosh, Sudipta, S. R. Tandan, "Algorithm for position and path estimation of mobile Robot in Dynamic environment using Fuzzy approach." National Conference (NATCON 2012) on "Advanced Computing And Communication Technologies"(2012).

Professional Certificates

- Participated in the training program on Database Solutions Expert conducted by TalentNext, **Wipro Certified Program** from 13-October-2025 to 31-October 2025.
- Participated and completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Green IoT with AI for Sustainable Growth of the Society at B. P. PODDAR INSTITUTE OF MANAGEMENT & TECHNOLOGY from 28/07/2025 to 02/08/2025.
- Participated and completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on SMART COMPUTING AND ITS APPLICATIONS IN CYBER DEFENSE & DIGITAL FORENSIC at JALPAIGURI GOVERNMENT ENGINEERING COLLEGE from 16/12/2024 to 21/12/2024.
- Participated and completed the Celonis Academic **Educator Training Program** by EduSkills from 12th December to 21st December 2022.
- Participated and completed the 5-day online FDP on the theme “**Inculcating Universal Human Values in Technical Education**” organized by **All India Council for Technical Education (AICTE)** from 31st January, 2022 to 4th February, 2022.
- Participated in the 6 Days Faculty Enablement Program on “InfyTQ based Foundation Program” held online using webinar platform from 12th to 19th July 2019 conducted by **Infosys Limited**.
- FDP on Cryptography and Cyber Security at B. P. Poddar Institute of Management and Technology, Kolkata during 25-29th March 2019.
- Attended FDP on Behaviorial Remodelling for Enhancing the Classroom Delivery of Teachers” in collaboration with **IIT Guwahati** held at BPPIMT, Kolkata from 10/07/2018 to 15/07/2018
- Participated in the Global Initiative For Academic Network (GIAN) on “*Logic Design of Quantum Circuits and Memristors based Systems*” at **NIT, Meghalaya** from 8th to 12th August,2016.
- Attended Faculty Development Program on “*Use of ICT in Education for Online and Blended Learning*” at B.P Poddar Institute of Management and Technology, Kolkata, (W.B) from 7th to 9th July,2016.
- **Presented a paper** titled “*Algorithm for position and path estimation of mobile Robot in Dynamic environment using Fuzzy approach*” at National Conference (NATCON 2012) on “Advanced Computing And Communication Technologies” organized by Chouksey Engineering College, Bilaspur(C.G) on 28th January,2012.

Projects Guided

- Two layer audio encryption using password and audio features.

- Securing forensic data using data security approach
- Study on two stage authentication for online transaction in mobile devices.
- Document authentication through copyright signature validation : a steganography approach
- Image authentication and tamper detection using steganography approach
- A study on spatial domain techniques in image steganography

Achievements

- Received Research Publication Reward for academic year 2023-24.
- Recognized as "best" Faculty members by student feedback.
- Acted as Judge of Hackstorm, TechStorm 2.25, the Annual Technical Fest of B. P. Poddar Institute of Management & Technology, held on March 17-18 & 22, 2025

Professional Responsibilities

- Member of Routine Committee, Medical Assistance Committee, Institute Innovation Council, Industry Institute Partnership Cell, School Connect Program, Admission Fair Duty, Science Fair Duty, and Book fair Duty.
- Coordinated and organized various Conferences and Technical events.

Personal Vitae

Name : Ms. Sudipta Roy (Ghosh)
Gender : Female
Date of Birth : 17-06-1989
Linguistic Ability : English, Hindi, Bengali
Marital Status : Married
Nationality : Indian
Present Address : Ananda Complex, 8 K.B Sarani, Dumdum, Kolkata-700101

I hereby declare that all information given by me above are true and correct to the best of my knowledge.

Date:

(SUDIPTA ROY)

Place: Kolkata