SAYAN SEN SARMA

EDUCATION

- **Master of Technology** from University of Calcutta in 2014 in Computer Science and Engineering.
- **Bachelor of Technology** from University of Calcutta in 2012 in Computer Science and Engineering.
- **Bachelor of Science** in Computer Science (Hons.) from University of Calcutta in 2009.
- Higher Secondary from WBCHSE in 2006.
- Secondary from WBBSE in 2004.

EXPERIENCE

- Working as an **Assistant Professor** at **Mahishadal Girls' College,** Purba Medinipur, W.B., since 21.12.2016 till date.

- Pursuing **Ph.D.** from **University of Calcutta, Department of Computer Science and Engineering**.

- Employed as a Project linked person at **Advanced Computing and Microelectronics Unit, Indian Statistical Institute, Kolkata,** in the project entitled **"Intelligent Transportation System"** from May, 2015 to December, 2016.

- Employed as a Project linked person at **Advanced Computing and Microelectronics Unit, Indian Statistical Institute, Kolkata,** in the project entitled **"Power and Bandwidth Management in Wireless Networks-Phase2"** from August, 2014 to March, 2015.

- Acted as a **'Teaching Assistant'** in the course on **Computer Organization, M.Tech., Semester I, ISI, Kolkata, 2014-15.**

- Acted as a **'Teaching Assistant'** in the laboratory course on **Data Structure, B.Tech., Semester I, Department of Computer Science & Engg. , University of Calcutta., 2013-14.**

SKILLS

- **Programming Languages:** C, C++, CUDA (Basic)
- **Database:** MySQL, Oracle
- **Web tools:** HTML, PHP
- **Software/Packages:** MS office 2003/2007, Adobe Photoshop CS, LATEX
- **Operating Systems:** Windows XP/VISTA/7, LINUX(Debian etch)

TEACHING INTERESTS

Digital Electronics • Programming through C • Operating System • DBMS

RESEARCH INTERESTS

Intelligent Transportation System • Content Delivery Network • Wireless Sensor Networks

PUBLICATIONS

Journal Paper:

- Sarma, Sayan Sen, and S. K. Setua. "Uniform Load Sharing on a Hierarchical Content Delivery Network Interconnection Model." Innovations in Systems and Software Engineering, Springer, ISSN: 1614-5046, vol. 12, 239-248, 2016, 10.1007/s11334-016-0279-5.

Conference Paper

- S. S. Sarma, K. Sinha, G. Chakraborty and B. P. Sinha, "Reduction of Congestion in a Manhattan Grid Road Network by Detouring of Vehicles", *Communicated in* IEEE International Conference on Advanced Networking and Telecommunication Systems, 2017.

- S. S. Sarma, K. Sinha, G. Chakraborty and B. P. Sinha, "Distributed Algorithm for Traffic Dissemination in Manhattan Networks with Optimal Routing-Time", Proceedings of the Symposium on Applied Computing, SAC 2017, Marrakech, Morocco, 2017, 499–505.

- S. S. Sarma and G. Chakraborty, "Queuing model-based optimal traffic flow in a grid network", IEEE International Conference on Advanced Networking and Telecommunication Systems, 2015, Dec., 1-3.

- Sarma, Sayan Sen, and S. K. Setua. "Design and Implementation of a Hierarchical Content Delivery Network Interconnection Model." Proceedings of 3rd International Conference on Advanced Computing, Networking and Informatics. Springer India, 2016.

SEMINARS AND WORKSHOPS ATTENDED

- Attended 29th International Conference on VLSI Design, Hotel ITC Sonar, Kolkata, India, January 4-6, 2016 as a volunteer.
- Attended 15th International Conference on Embedded Systems, Hotel ITC Sonar, Kolkata, India, January 7-8, 2016 as a volunteer.
- Attended 3rd International Conference on Advanced Computing, Networking, and Informatics, 2015.
- Participated in Indo-US Bilateral Workshop on Large Scale Complex Network Analysis during December 19-20, 2015, at Indian Statistical Institute, Kolkata, India.
- Attended 9th IEEE International Conference on Advanced Networks and Telecommunication Systems.
- Participated in five day Indo-German Workshop on Algorithms during 9th to 13th March, 2015, at Indian Statistical Institute, Kolkata, India.
- Participated in Workshops on Cloud and Grid Computing and Academic Writing with LaTeX held between 8th to 10th November, 2012, at Jadavpur University, Kolkata, India.

Additional Qualification / Achievements / Certifications:

- Selected for the post of **Research Associate** at the School of Computer Engineering, **Nanyang Technological University, Singapore**.

- Awarded Rank card by University of Calcutta for having **3rd position in M.Tech** examination 2014.

- Selected for the position of **Assistant System Engineer** at **TATA Consultancy Services Limited (TCSL)**.

- Qualified **State Eligibility Test for Lectureship** (**SET**) in 2013**.**

- Awarded Rank card by University of Calcutta for having **6th position in B.Tech** examination 2012.

- Qualified **Graduate Aptitude Test in Engineering (GATE)** in 2012.

- Qualified **Graduate Aptitude Test in Engineering (GATE)** in 2011.

- Awarded Rank card by University of Calcutta for having **10th position in B.Sc** examination 2009.

PERSONAL DATA :

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Permanent Address   **:** Same as present.

REFERENCES:

Professor Bhabani P Sinha
Advanced Computing and Microelectronics Unit
Indian Statistical Institute (ISI) 203, B.T.Road
Kolkata, West Bengal, India, Pin - 700108

Prof. Goutam Chakraborty,
Department of Software and Information Science,
Iwate Prefectural University,
Iwate Ken, Japan.