Curriculum Vitae

Dr. Siddhartha Roy

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Profile: Siddhartha Roy holds his PhD in Computer Engineering from Jadavpur University, West Bengal, India. After graduation(B.Sc in Mathematics Hons) from St Xavier's College, Kolkata, he has completed his 1st Master degree (MCA) from Indian Institute of Engineering Science and Technology, Shibpur, West Bengal, India. After that completed his second Master degree MBA with specialization in Operation Management from IGNOU, India. He worked in the Software industry for one year and after taking professional development training from TAFE, Adelaide, South Australia, joins the academic world. He has total experience in teaching for more than 17 years. He is associated with St. Xavier's College in the B.Com(E) department from 2007, and teaching in the Dept. of Computer Science in The Heritage College. He is an Academic Counselor in the M.Sc(Computer Science) under DDE, Burdwan University. His area of specialization is core networking and his research interest includes Network Security, Bioinformatics and IoT. He has several accepted papers in International Conferences and Journals. He is also an author of several books in undergraduate level. The details of his achievements are given below:

Research Interests: Network Security, Graph Theory, Bioinformatics, IoT

Education
- **PhD Computer Engineering : Jadavpur University,**2014
- **MBA (Specialization in Operation management)**: **IGNOU**, 2008
- **MCA**: **Bengal Engineering. College (D.U.)Shibpur (Now IIST),** 2000,
- **B.Sc.(Mathematics Honours) : St Xavier's College**, Calcutta University, 1995,

Paper Publication

- R. Ganguli, S.Roy**: *Designing Graph Annonymization Framework for Secure Packet Transmission in the IP Over Ethernet LAN*, "**International Journal of Computer Science and Engineering**",Volume 6, Issue-9,Sep 2018,

- R. Ganguli**, S.Roy:** *A Study On Course Timetable Scheduling Using Graph Coloring Approach,* International Journal of Computational and Applied Mathematics", Volume 12, Number 2 (2017), pp. 469-485,ISSN 1819-4966

- S Haldar**, S Roy**: *An Efficient Approach towards Failure Recovery in IP Networks using Binary Router*. International Journal of a Latest Trends n Engineering & Technology   Special issue, June-2016, ISSN: 2319-3778

- S Haldar, **S Roy**:*Problem, Policies and Management of Electronic Waste in India:A Review*. Coherence, Vol.1, Issue 2:65-70(December 2015). ISBN NO.978-81-930092-6-0

- S Haldar, **S Roy**: *Fast Convergence IP Routing Scheme based on Special Nodes using 2-port Router in Campus Network*. International Journal of Engineering Research & Technology   Vol. 4 Issue 11, November-2015, ISSN: 2278-0181

- **Siddhartha Roy*** and Abhignya Banerjee**A PARADIGM SHIFT FROM SUPPLY CHAIN MANAGEMENT TO E-SUPPLY CHAIN MANAGEMENTbodhi artham vol.3 (no.1) pp.65-71

- **S. Roy** *"Cloud computing in higher education from Indian perspective*" Proc. UGC Sponsored National Seminar on "***ICT in Higher Education: Opportunities and Challenges in 21ˢᵗ Century*"** held St Xaviers College, Kolkata ,March 28, 2012,pp. 28-32.

- **S. Roy** "***A survey of Internetworking devices with associated technology*"** Proc. UGC Sponsored National Conference on "***Research and Higher Education in Computer Science and Information technology, RHECSIT-2012*"** held Sammilani mahavidyalaya on February 23 and 24, 2012,Vol-1,pp. 102-106

- **S. Roy** "***Impact of global crisis and some solutions from Indian perspective*"** Proc. UGC Sponsored International Seminar on "***Globalization, Capitalist Crisis and inclusive development myths and reality-2009*"**held at Lady Brabourne College, December 22ⁿᵈ and 23ʳᵈ, 2009, pp. 154-165

- S.K.Ray and **S.Roy**,"***Building Large Private Networks with Plug-n-Play Binary IP 2-Port Routers*", Proc. NCC 2008** held at IIT Bombay, during Feb 01-03, 2008, pp. 354-358.

Paper Presented

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- ***A Graph Theory based Encryption Scheme for Secure Transmission in the Ethernet LAN*" "**National Seminar on "Recent Advances in Mathematics and its Applications , held at Dept. of Pure Mathematics, Calcutta University, 21ˢᵗ February-2019
- ***Paradigm shif to digital society through IoT and its impact on human development*** *"National Seminar on Human Development in India: A Road Towards sustainable competitive advantage", held t the Heritage College, 1th and 19ᵗʰ February, 2019*
- ***A Review of Fuzzy Sets Application in Association Rule Mining and Clustering*** *"National Seminar on "Contemporary Research in Theoretical and Applicable Mathematics (CRTAM-2017), held at The Bhwanipur Education Society College, 8 th and 9th September, 2017*

- "**An Overview of Graph Theoretical approach to DNA Sequencing** "National Seminar on "Recent Advances in Mathematics and its Applications (RAMA-2017), held at Dept. of Pure Mathematics, Calcutta University, 1st and 2nd March-2017

- **Green Computing: An Eco-friendly Approach to Conserve Energy and Minimize E-Waste Generation"**UGC-Sponsored National Seminar on "Environmental Awareness: Demand of the Day"held at The Bhwanipur Education Society College, 9 th and 10th September, 2016 "

- "**First IP-recovery scheme using 2-port router** " in "UGC Sponsored National Seminar on "**Recent Trends in Applicable Mathematics**". held at Bhawanipur Education Society College, Kolkata ,April 24th, 2015.

- "**Green Computing-An Eco-friendly and Energy Efficient Computing** ""UGC – Sponsored State-Level Seminar on "**Environmental Pollution: Causes, Impacts & Control**" "held Bhawanipur Education Society College, Kolkata, April 25th, 2015.

- "**An analysis of security issues in E-Banking**" A seminar on "**Contemporary issues in Accounts and Finance"** held at Scottish Church College, Kolkata, March 18th, 2015

- "**A Study of Game Theory approach in Supply Chain Management** "" in UGC Sponsored National Conference on "**Re-imaging India: Challenges and Opportunities in Finance, Management and Policy Making**" held St Xaviers College, Kolkata ,September 19th and 20th , 2014.

- "**E-governance scenario and future technological trends from Indian perspective"** in UGC Sponsored International Seminar on "*Advances in Computer and research in Management*" held at Shibpur Dinobundhoo College, Howrah on December 2nd and 3rd, 2011.

Seminar/Workshop Attended:

1. Two day workshop on Python programming at Scottish Church College in collaboration with Undergraduate Board of studies, held on 28-29th May, 2018

2. UGC sponsored National Level Conference on "Innovative Trends in Mathematics and its Applicatin-ITMA-2016.held at Shree Sikhyatan College, 3rd August, 2016

3. Attend UGC sponsored One-day National Symposium 2015 held at St Xaviers College on March 21, 2015

4. Attend Seminar on Modeling & Simulation Techniques for Computational Problems using MATLAB™ held at St Xavier's College on 1st October,2010

5. UGC Sponsored International Seminar on "Governing Business in the 21st Century-opportunities and Challenges" held at St Xavier's College on November 20th & 21st, 2009.

Refresher courses

1. UGC Sponsored Refresher Course at Jadavpur University the subject "**Wireless Ad Hoc and Sensor Network**" from 04.01.2010 to 23.02.2010.

2. UGC Sponsored Refresher Course at Jadavpur University the subject "**Theoretical aspect of computer Science**" from 21.01.2009 to 12.02.2009.

3. UGC Sponsored Refresher Course at Jadavpur University the subject "**Theoretical aspect of computer Science"** from 11.01.2007 to 02.02.2007.

Workshops

1. Participated in the Workshop on Python, organized by the Scottish Church College on 28th May and 29th May, 2018
2. Participated in the Workshop on **FPGA Based VLSI System Design**, organized by the CSI Kolkata chapter on January 17, 2009.
3. Participated in the Workshop on "**Modeling and simulation of Wireless Networks**" held in the University of Calcutta, Kolkata, West Bengal during December 18th -20th, 2008.

Book Published
1. **An Introduction to E-Commerce and Business Communication**, ABS Publishing House, Feb, 2018,ISBN 978-93-86796-10-3
2. **Information Technology and its Application in Business**, ABS Publishing House, July, 2018,ISBN 978-93-86796-13-4
3. **Marketing Management and Human Resource Management:** ABS Publishing House, Feb,2019 ,ISBN 978-93-86796-21-9

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