

Dr. Arup Sarkar

Diploma, B.Tech, M.Tech, PhD (Engg.)



- OBJECTIVE** To pursue knowledge through experience, research, and service for the organization and the society for its betterment.
- PRESENT DESIGNATION** Assistant Professor, Department of Computer and Information Science, Raiganj University, Raiganj, West Bengal, Pin – 733134, India
- CONTACT** **Office:** Department of Computer and Information Science, Raiganj University, Raiganj, West Bengal, Pin – 733134, India
Residence: 261/110/1, Uttarpa, Rahara, North 24 Parganas, Kolkata-700118, West Bengal, India.
E-mail: tellarup@gmail.com, **Voice:** +91 6291005647
- DATE OF BIRTH** 7th July, 1983
- NATIONALITY** Indian
- RESEARCH INTEREST** Semantic Web, Web Service, Web Application Development, Social Networking etc.
- TECHNICAL SKILL SET** *Languages:* C, Core Java, Python, SQL, PL/SQL
Web based: HTML, CSS, PHP, JSP, Servlet
Database: MySQL, Oracle
IDE: Eclipse, Protégé, NetBeans
OS: Windows, Linux(Familiarity with Debian/Redhat/Arch Linux based platforms)
Others: Jena, SPARQL, RDF
- EDUCATION**
- ❑ **Ph. D.(Engg.) in Computer Sc. & Engineering, 2017.**
 - Department of Computer Sc. & Engineering, University of Kalyani, Kalyani, Nadia, W.B., India, Pin – 741235.
 - Thesis Title: *Design and Development of Framework for Data Generation Using RDF: A Semantic Approach.*
 - ❑ **Master of Technology in Computer Science & Engineering, 2010.**
 - Department of Computer Sc. & Engineering, University of Kalyani, Kalyani, Nadia, W.B., India, Pin – 741235.
 - Passed in First Class (*Marks Obtained: 77.05%*)
 - ❑ **Bachelor of Technology in Information Technology (Direct admission in 2nd Year : Through Lateral Entry Examination as a Diploma holder), 2008.**
 - Department of Information Technology, Government College of Engineering & Ceramic Technology, Kolkata, W.B., India.

- Passed with 7.96 DGPA (Degree Grade Point) (*Equivalent to 72.1%*)

❑ **Diploma in Computer Science & Technology, 2005.**

- The Calcutta Technical School, Kolkata, W.B., India
- Passed in First Class (*Marks Obtained: 73.1%*)

**TEACHING
EXPERIENCE/JOB**

❑ **Assistant Professor (Full Time), 2nd January 2018 – 7th November 2019**

- Department of Computer Science & Engineering, Narula Institute of Technology, Kolkata

❑ **Assistant Professor (Full Time via CSC), 8th November 2019 – 10th February 2020**

- Department of BCA, Belda College (Govt. Aided, Affiliated to Vidyasagar University), Belda, Paschim Medinipur, WB, India

❑ **Assistant Professor (Full Time), 11th February 2020 – till date**

- Department of Computer and Information Science, Raiganj University, Raiganj, Uttar Dinajpur, WB, India

**AWARDS/
DISTINCTION/
FELLOWSHIPS
RECEIVED**

- **Senior Research Fellowship** as University Research Scholar at University of Kalyani, Kalyani, Nadia, W.B., India from 2012 to 2014(upto 8th August).
- **Junior Research Fellowship** as University Research Scholar at University of Kalyani, Nadia, W.B., India from 2010 to 2012.
- **GATE fellowship** as M.Tech. student at University of Kalyani from University Grant Commission from 2008 to 2010.

**DETAILS OF
REFRESHER
COURSE
ATTENDED**

- One Week Faculty Development Programme on Higher Education Faculty Career Orientation and Advancement (CEGR Certified Faculty)
- AICTE Sponsored **Two Week Faculty Development Programme** on “**Soft Computing Approach in Cryptography**” from 17th June, 2013 to 28th June, 2013 organized by Department of Information Technology, Kalyani Govt. Engg. College (K.G.E.C.)

**WORKSHOPS
ATTENDED**

- One-day workshop on “*Computational Methodologies and Applications(CMA-2014)*” at Department of Computer Science & Engineering, University of Kalyani, Kalyani-741235, WB, India, on March 21, 2014.
- Two-days workshop on “*Computational Methodologies and Applications(CMA-2013)*” at Department of Computer Science & Engineering, University of Kalyani, Kalyani-741235, WB, India, during April 22-23, 2013.
- Two-days workshop on “*Human Centered Design for Successful Products and Services*” organized by Industry Institute Partnership Cell (IIPC), Department of Computer Science & Engineering, University of Kalyani, Kalyani-741235, WB, India, during March 26-27, 2012.
- Two-days workshop on “*Use of TNT mips for GIS Application Generation*” organized by Industry Institute Partnership Cell (IIPC), Department of Computer Science & Engineering, University of Kalyani, Kalyani-741235, WB, India, during February 15-16, 2012.
- Two-days workshop on “*Microcontrollers & Embedded Systems*” organized by Department of Electrical Engineering, Kalyani Govt. Engg. College during

February 10-11, 2009.

MEMBERSHIP

- **Member of ISOC**
 - ISOC Global Member No.: 347367
- **Member of IAENG**
 - IAENG membership number is: 106435
 - IAENG Society of Artificial Intelligence
 - IAENG Society of Internet Computing and Web Services

PUBLICATION IN JOURNAL

1. Ujjal Marjit, **Arup Sarkar**, Subhrangsu Santra and Utpal Biswas, “A Goal Driven Framework for Service Discovery in Service-Oriented Architecture: A Multi-Agent Based Approach”, *International Journal of Computer and Communication Technology*, Vol. 1, Issue 2, pp. 251-256, 2010, ISSN (Print) 0975-7449. Published by IPM Pvt Ltd Interscience Campus.
2. **Arup Sarkar**, Ujjal Marjit and Utpal Biswas “Ontology Based Service Discovery with Advanced Knowledge Management: A Multiagent Based Approach”, *International Journal of Information Sciences and Application*, Vol. 2, Number 2, pp. 281-287, November, 2010. ISSN: 0974-2255.
3. **Arup Sarkar**, Ujjal Marjit and Utpal Biswas, “Linked Data Generation for the University data from the Legacy Database” *International Journal of Web and Semantic Technology*, AIRCC, Vol. 2, No. 3, pp. 21-31, July, 2011, ISSN 0975-9026 (Online) 0976-2280 (Print).
4. **Arup Sarkar**, Ujjal Marjit and Utpal Biswas, “A Middleware Architecture for Secure Service Discovery Using Ontologies with Multiagent Approach”, (2012), *International Journal of Information Systems & Social Change*, IGI Global, Print ISSN: 1941-868X, Online ISSN: 1941-8698.
5. **Arup Sarkar**, Ujjal Marjit and Utpal Biswas, “FOAF Profile Generation with Automated Connection Exploration to Other’s Profile”, (2012), *International Journal of Research in Engineering, IT and Social Sciences*, Vol. 2, Issue 11, pp. 197-206, November, 2012, ISSN: 2250-0588.
6. **Arup Sarkar**, Ujjal Marjit and Utpal Biswas, “Semi-Automatic Mapping Generation for the DBpedia Information Extraction Framework”, (2013), *International Journal of Advanced Computer Research (IJACR)*, Vol. 3, Number 1, Issue 8, Print ISSN: 2249-7277, Online ISSN: 2277-7970.
7. Ujjal Marjit, Kumar Sharma, **Arup Sarkar** and Madaiah Krishnamurthy, “Publishing legacy data as linked data: a state of the art survey,” (2013), *Library Hi Tech*, Emerald Group Publishing limited, Vol. 31, Number 3, pp. 520-535, ISSN: 0737-8831, DOI 10.1108/LHT-09-2012-0075 (**2016 Impact Factor: 0.759**, 2018 Impact Factor: **1.256**) (**ISI SSCI & Scopus indexed**)
8. **Arup Sarkar**, Subha Koley, Ujjal Marjit and Utpal Biswas, “A Framework for Generation of RDF Data from HTML,” (2015), *Indian Journal of Science and Technology*, Vol. 8, Issue 16, Print ISSN: 0974-6846, Online ISSN: 0974-5645, DOI:10.17485/ijst/2015/v8i16/60439 (**Scopus indexed**)

PUBLICATION IN PROCEEDINGS

1. Ujjal Marjit, **Arup Sarkar**, Subhrangsu Santra and Utpal Biswas, “Developing Web Services with Semantics for Interoperability Middleware of Semantic Web Service Based E-governance”, *In Conference Proceeding of NACCS-2010*, pp. 47-51, Burdwan University, West Bengal, ISBN-819077417-4. (**Paper presented**)
2. Ujjal Marjit, **Arup Sarkar**, Subhrangsu Santra and Utpal Biswas, “A Semantic

- Approach to Web Services for Interoperability and Integration of E-Services in Service-Oriented Architecture based E-Governance System”, *In Proceedings of International Symposium ISCET-2010*, 19-20 March 2010, pp-263-269, RIMT, Punjab, ISBN: 978-81-910304-0-2. **(Paper presented)**
3. Ujjal Marjit, **Arup Sarkar**, Subhrangsu Santra and Utpal Biswas, "A Goal Driven Framework for Service Discovery in Service-Oriented Architecture: A Multi Agent Based Approach”, *In Proceedings of International Conference ACCTA-2010*, 03-05 August 2010, CVREC, Bhubaneswar, Orissa. **(Paper presented)** *(Republished by the conference organizer in Journal[Item no 2 in list of Journals])*
 4. **Arup Sarkar**,Ujjal Marjit and Utpal Biswas, “Agent-Oriented Middleware Architecture for Secure Service Discovery Using Ontologies”, *In Conference Proceedings of 2nd International Conference on IT and Business Intelligence (ITBI-2010)*, 12-14 Nov, 2010, IMT, Nagpur (Modified version of this paper is republished in a reputed Journal [See item no. 4 in list of Journals]).
 5. **Arup Sarkar**,Ujjal Marjit and Utpal Biswas, “A Mechanism for Publication and Discovery of Web Services using Directory Facilitator and Agent Technology”, *In Proceedings of International Conference on Computing and Systems (ICSS-2010)*, 19-20 November, 2010, The Burdwan University, West Bengal, pp. 232-236, ISBN: 93-80813-01-5.
 6. Ujjal Marjit and **Arup Sarkar**, “Ontology Based Knowledge Management Systems and Its Application to Semantic Digital Library Initiative,” *In Conference Proceedings of 8th International Convention on Automation of Libraries in Education and Research (CALIBER-2011)*, Goa University, Goa, ISBN: 978-93-81232-00-2.
 7. **Arup Sarkar**,Ujjal Marjit and Utpal Biswas, “Automatic Link Generation for the RDF Dump file: A Minimalistic Approach”, *In Proceedings of International Conference on Information Systems Design and Intelligent Applications-2012 (INDIA-2012)*, AISC 132 pp. 731-738, Springer-Verleg Heidelberg,Vishakhapatnam, India, Print ISBN: 978-3-642-27442-8, Online ISBN: 978-3-642-27443-5, Series ISSN: 1867-5662. **(Scopus indexed) (Paper presented)**
 8. Ujjal Marjit, **Arup Sarkar** and Utpal Biswas, “A novel approach to develop linked data with provenance”, *In Proceedings of International Conference on Computing, Communication and Applications (ICCCA)*, 22-24 February, 2012, Dindigul, Tamilnadu, pp. 1-5, ISBN: 978-1-4673-0270-8. doi: 10.1109/ICCCA.2012.6179211. **(IEEE Xplored and Scopus indexed)**
 9. **Arup Sarkar**, Ujjal Marjit and Utpal Biswas, “Towards Bengali DBpedia,” *In Proceedings of First International Conference on Computational Intelligence: Modeling Techniques and Applications (CIMTA) 2013*, Procedia Technology, Elsevier, Vol. 10, pp. 890-899, ISSN: 2212-0173. **(Paper presented)**
 10. **Arup Sarkar**, Ujjal Marjit and Utpal Biswas, “A Conceptual Model to Develop an Advanced Plagiarism Checking Tool Based on Semantic Matching,” *In Proceedings of 2nd International Conference on Business & Information Management 2014 (ICBIM-2014)*, Durgapur, pp. 104-108, ISBN: 978-1-4799-3264-1. **(IEEE Xplored and Scopus indexed) (Paper presented)**