

Prof. Shefalika Ghosh Samaddar

Projects and Publications



Areas of Specialisation: Information Security, Intellectual Property Rights, Cryptography and Network Security, Internet/E Commerce, Cloud Computing

A: Particulars of Educational Qualifications

Sl. No.	Degree Obtained & Branch/Specialization	Class/Division
1	PhD (Computer Science & Engineering)	NA
2	PGD in Folklore and Culture Studies (a part of IPR study)	First Class (Gold Medalist)
3	PGD in Intellectual Property Rights (IPR)	First Class
4	Master's Degree M Tech, Computer Application	First Class
5	Master's Degree M Phil, Mathematics	First Class
6	Master's Degree M Sc, Mathematics	First Class
7	Bachelor's Degree Mathematics (Hons)	First Class (Gold Medalist)
8	Intermediate of Science	First Division
9	SSE	First Division

B: Membership of Professional Bodies:

1. Life Member – Computer Society of India (CSI)
2. Life Member – Indian Society for Technical Education (ISTE)
3. Member – The Internet Society, Delhi Chapter (ISOC, Delhi)
4. Life Member – The Indian Science Congress Association (ISCA)
5. Life Member – Indian Science News Association (ISNA)
6. Life Member – Cryptology Research Society of India (CRSI)
7. Member - International Journal of Secure Digital Information age (IJS DIA)
8. Member – Tex Users' Group (TUG) India (TUGIndia)

C: Professional Experience (Previous):

#	Name of Organization
8	Central Institute of Technology, Kokrajhar
8	National Institute of Technology, Sikkim
7	Motilal Nehru National Institute of Technology, Allahabad
6	Indian Institute of Information Technology, Allahabad
5	Army Institute of Management Kolkata
4	Purabi Das School of Information Technology, IEST Howrah
3	Indian School of Mines, Dhanbad
2	The State Trading Corporation of India, Bombay
1	Lady Sri Ram College for Women, Delhi University, Delhi

D: Sponsored Research Projects:

Sl. No.	Title of Project	Period	Sponsoring Organisation	Amount [in lakhs]	Role
1	Development of a framework for Knowledge Acquisition and Machine Learning for Construction of Ontology for Traditional Knowledge Digital Library (TKDL) Semantic Web Portal for Tribal Medicine	March, 2008 – March 2010	DIT, Govt. of India	50 Lakhs (Approx.)	Co-Investigator
2	Development of educational Content and Associated Depository of Web Services for Intellectual Property Rights	June 2009 – June 2010	DIT, Govt. of India	10 Lakhs	Chief Investigator
3	Design and Development of Advanced Encryption Standard Chip using VLSI Circuitry	January 2016 to till now	Visvesvaraya PhD Scheme under SMDP-C2SD	PhD scholarships paid by SMDP-C2SD	Chief Investigator

F: Select Research Papers in Journals and Book Chapter Contribution

1. Chatterjee S., Samaddar S.G. (2020) ECC Based Remote Mutual Authentication Scheme for Resource Constrained Client in Cloud. In: Mandal J., Mukhopadhyay S., Dutta P., Dasgupta K. (eds) Computational Intelligence, Communications, and Business Analytics. CICBA 2018. Communications in Computer and Information Science, vol 1031. Springer, Singapore. https://doi.org/10.1007/978-981-13-8581-0_30
2. Ujjal Kumar Das, Shefalika Ghosh Samaddar., (2020) Blind Approach for Pixel-wise Image Authentication and Recovery using Variable Domain Processing, Journal of Advanced Research in Dynamical and Control Systems, Volume 12 | Issue 2, 1531-1545, DOI: [10.5373/JARDCS/V12I2/S202011953](https://doi.org/10.5373/JARDCS/V12I2/S202011953)
3. Lokendra Kumar Tiwari, Saurabh Mishra, Shefalika Ghosh Samaddar., (2020) Recovering Evidentiary E-mail for Non-Repudiation Forensics, International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8 Issue-11S2, September 2019, Blue Eyes Intelligence Engineering & Sciences Publication, DOI: [10.35940/ijitee.K1085.09811S219](https://doi.org/10.35940/ijitee.K1085.09811S219)
4. Ujjal Kumar Das, Shefalika Ghosh Samaddar and Pankaj Kumar Keserwani, (2019) Digitally Forensic Enabled Image Authentication using Least Significant Bit (LSB) with Tamper Localization based Hash Function, International Conference on Internet of Things for Technological Development IoT4TD 2017, Kadi Sarva Vishvavidyalaya, Gandhinagar Gujrat India, April 1-2, 2017 https://link.springer.com/chapter/10.1007/978-981-10-5523-2_14
In Book titled, Intelligent Communication and Computational Technologies, Lecture Notes in Networks and Systems, Volume 19, Year 2018, Pages 141-155, Springer, Singapore (Book Chapter) DOI:[10.1007/978-981-10-5523-2_14](https://doi.org/10.1007/978-981-10-5523-2_14)
5. Rabindra K Barik, Arun B Samaddar, Shefalika G Samaddar., (2017) A Secure Service Oriented Architecture Based Mobile SDI Model for Mineral Resources Management in India, Nepalese Journal of Geoinformatics, No. 15, Jeth 2073 (May – June 2016), Survey Department, Ministry of Land Reform and Management, Government of Nepal, Kathmandu, Nepal, pp 1 – 7, <http://dos.gov.np/wp-content/uploads/2016/07/Nepalese-Journal-on-Geoinformatics-V15.pdf>
6. Shefalika Ghosh Samaddar, (2014) History and Prospect of Forensic Science Education, Science and Culture, May – June 2014, VOL. 80, NOS. 5-6, pp 128-137, http://www.scienceandculture-isna.org/may-june-2014/03%20Art_History%20and%20Prospect...._by_Shefalika%20Ghosh%20Samaddar_Pg.128.pdf

7. Singh, Arun Kumar, and Samaddar, Shefalika Ghosh, Misra, Arun K., (2012) Vulnerability Assessment and Enhancing Security through Penetration Testing, International Journal of Information Assurance and Security (JIAS), ISSN 1554 -1010, 2012, 32-36
8. Samaddar, Shefalika Ghosh (2012); Literary Consequences of Mobile Folk Narratives: Contemporary Graffiti (Textual and Visual) in Public/Private Transport in India, *Science and Culture –A Journal of Natural and Cultural Sciences*, ISSN 0036-8156, Indian Science News Association, India, Website: <http://www.scienceandculture-isna.org>, Vol 78 (1-2), 65-70
9. Singh, Kalpana & Samaddar, Shefalika Ghosh, (2012) Enhancing Koyama Scheme Using Selective Encryption Technique in RSA based Singular Cubic Curve with AVK, *The International Journal of Network Security* (Available on- IJNS-2010-07-08-1), <http://ijns.femto.com.tw> Vol 14, No 3 164-172 http://ijns.femto.com.tw/download_paper.jsp?PaperID=IJNS-2010-07-08-1&PaperName=ijns-v14-n3/ijns-2012-v14-n3-p164-172.pdf ISSN:1816-353X (Print) 1816-3548 (Online)
10. Ray, Sujit. & Samaddar, Shefalika Ghosh. & Keserwani, Pankaj Kumar. (2012); An Efficient Architecture of Decision Support System for Testing Potential Geographical Indication in India, *Advanced Materials Research* Vols. 403-408, 4476-448, ISSN:1022-6680 Online available since 2011/Nov/29 at www.scientific.net ISSN1606-5131© (2012) Trans Tech Publications, Switzerland doi:10.4028/www.scientific.net/AMR.403-408.4476 <http://www.scientific.net/AMR.403-408.4476>,
11. Singh, Arun Kumar., Tiwary, Pooja., Samaddar, Shefalika Ghosh., & Misra, A. K., (2011); Vulnerabilities of Electronic Communication: Solution Mechanism through Scripts, *International Journal of Computer Science issues*, ISSN (Online): 1694-0814 Vol 8, Issue 3, No 1, 572-582, <http://ijcsi.org/papers/IJCSI-Vol-8-Issue-3-No-1.pdf>
12. Barik, Rabindra K., Samaddar, Arun B. and Samaddar, Shefalika Ghosh., (2011) Service Oriented Architecture based SDI Model for Geographical Indication Web Services, *International Journal of Computer Applications*, Publisher: Foundation of Computer Science, New York, USA, ISSN: 0975-8887, ISBN: 978-93-80752-98-2 July 2011, DOI: 10.5120/3017-4077 Vol 25, No 4, 42-49 <http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.259.1343&rep=rep1&type=pdf>
13. Samaddar, Shefalika Ghosh. (2011); Teaching Quality Intellectual Property Management using Information Technology in Indian Pedagogy, *Cultural Studies of Science Education*; Springer Science+Business Media, Springer, Manuscript No. CSSE-S-11-00006 https://www.researchgate.net/publication/266439549_Teaching_Quality_Intellectual_Property_Management_using_Information_Technology_in_Indian_Pedagogy
14. Tiwari, Lokendra Kumar., Singh, Arun Kumar., Samaddar, Shefalika Ghosh. & Dwivedi, C K., (2011); E-mail Forensics For Real Life Application in Evidence Building, *International Journal of Advanced Research in Computer Science*, ISSN 0976 – 5697, www.ijarcs.info Vol 2 No 3 May-June, 15th June, 2011 Online Issue
15. Singh, Arun Kumar. Tiwary, Pooja. & Samaddar, Shefalika Ghosh., (2011); Vulnerabilities of Electronic Communication: Solution Mechanism through Script, *International Journal Computer Science Issues*, ISSN 1554 -1010, Vol 8, Issue 3, No1, May 2011, 572-582 <http://ijcsi.org/papers/IJCSI-8-3-1-572-582.pdf>
16. Mishra, Shivani & Samaddar, Shefalika Ghosh., Pateriya, Pushpendra Kumar., (2011); Author Identification in e-mail Forensic through Service Oriented Architecture In *Advanced Networks and Communications* 978-3-642-17878-8 Chapter 10, Eds: Natarajan Meghanathan, Brajesh Kumar Kaushik and Dhinaharan Nagamalai, Series Communications in Computers and Information Science, Series Vol 132, 502-515 Springer Berlin Heidelberg , <http://link.springer.com/book/10.1007/978-3-642-17878-8/page/3#page-1>
17. Lokendra Kumar Tiwari, Arun Kumar Singh, Shefalika Ghosh Samaddar, C K Dwivedi (2010); Recovering Evidentiary E-mail for Non-repudiation Forensics, *International Journal of Secure Digital Information Age* ISSN: 0975-1823 <https://dl.acm.org/citation.cfm?id=1963603>

18. Nandan, Shefali., Samaddar, Shefalika Ghosh & Nandan, Tanuj., (2010); A Dynamic Model for Evaluation of Usefulness of Faculty Development Programmes in the Area of Business Management, *Serbian Journal of Management* ISSN: 1452-4864, Vol 5 (2) 251 – 259.
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19. Samaddar, Shefalika Ghosh (2010); Development of a Framework for Traditional Knowledge Digital Library (TKDL-S) Semantic Web Portal for Santal Medicinal System, *Science and Culture –A Journal of Natural and Cultural Sciences*, ISSN 0036-8156, Indian Science News Association, India,
Website:<http://www.scienceandcultute-isna.org> Vol 76 (11-12), Nov-Dec 2010, 544 - 551
20. Nandan, Shefali., Samaddar, Shefalika Ghosh & Nandan, Tanuj, (2010); Determinants of Usefulness of Faculty Development Programmes in the Area of Business Management, *The Indian Journal of Technical Education*, Indian Society for Technical Education, New Delhi, India, Vol 34, No 3 , 40-45
https://www.researchgate.net/profile/Tanuj_Nandan/publication/47807525_A_DYNAMIC_MODEL_FOR_EVALUATION_OF_USEFULNESS_OF_FACULTY_DEVELOPMENT_PROGRAMMES_IN_THE_AREA_OF_BUSINESS_MANAGEMENT/links/00b7d52b1197444747000000/A-DYNAMIC-MODEL-FOR-EVALUATION-OF-USEFULNESS-OF-FACULTY-DEVELOPMENT-PROGRAMMES-IN-THE-AREA-OF-BUSINESS-MANAGEMENT.pdf
21. Samaddar, Shefalika Ghosh & Samaddar, Arun B. (2010); KomalChaul: A Potential Candidate for Geographical Indication, *Journal of Intellectual Property Rights*, ISSN: 0975-1076 (Online) 0971-7544 (Print) VOL 15, May 2010, NISCAIR CSIR, New Delhi, India., Impact factor: .96 ISSN: 0975-1076 (Online) 0971-7544 (Print), 214-219 <http://nopr.niscair.res.in/handle/123456789/9064>
22. Samaddar, Shefalika Ghosh (2010); Primitive Picassos of BHIMBETKA, *Science and Culture –A Journal of Natural and Cultural Sciences*, VOL 76, No. 3-4, March – April 2010, ISSN 0036-8156, Indian Science News Association, India, Website:<http://www.scienceandcultute-isna.org>, 102-106.
23. Samaddar, Shefalika Ghosh (2008); “Governance of Intellectual Property Strategy for a Technical Institute: Effective Policy Formulation” In *‘Critical Thinking in E-Governance’* Ed Jaijit Bhattacharya GIFT Publishing New Delhi, http://www.iceg.net/2008/books/1/30_263-276.pdf 263 -276
24. Samaddar, Shefalika Ghosh (2008); Doctrine of Fair Dealing in Copyright: the Matsya Purana Version, IPFrontline, ipfrontline.com on March 26, 2008 at
<http://www.ipfrontline.com/depts/article.asp?id=18016&deptid=6>
25. Samaddar, Shefalika Ghosh & Chaudhari Banshi D (2008); Practical Insights into Intellectual Property Strategy for a Technical Institute, *Journal of Intellectual Property Rights*, NISCAIR, CSIR Vol. 13 November 2008, , Impact factor: .96 ISSN: 0975-1076 (Online) 0971-7544 (Print) page 590-600,
<http://www.niscair.res.in/ScienceCommunication/sci.asp?a=topframe.htm&b=leftcon.asp&c=ResearchJournals/rejour/rejour1.htm&d=test1>
26. Samaddar, Shefalika Ghosh (2007); Relevance of Open-source Software Licensing and Creative Commons for Resolving Intellectual Property Issues in Today’s knowledge Society, In *‘Foundations of E-Government’*, Eds by Ashok Agarwal & V. Venkata Ramana, Computer Society of India,
http://www.iceg.net/2007/books/1/33_304.pdf 313 -321

G: Select paper presentation in Seminar Symposia and Conferences

1. R. D. Verma and S. Ghosh Samaddar, "Analysis of Border Gateway Protocol (BGP) with Improvement in Byzantine Robustness," 2018 Conference on Information and Communication Technology (CICT), Jabalpur, India, 2018, pp. 1-4, doi: 10.1109/INFOCOMTECH.2018.8722413

2. M. S. Alam Ansari, M. Chandra Govil, K. Pal and S. Ghosh Samaddar, "Tools and Techniques in optimization of Network Resources," 2020 3rd International Conference on Emerging Technologies in Computer Engineering: Machine Learning and Internet of Things (ICETCE), Jaipur, India, 2020, pp. 1-7, doi: 10.1109/ICETCE48199.2020.9091776.
3. Rajat Kumar Sinha, Rohan Mahaptra, Subham Jain and Shefalika Ghosh Samaddar, Development of a Family of Algorithms of AES Using Cellular Automata, *17th International Conference on Cryptology, Indocrypt 2016*, Indian Statistical Institute Kolkata, December 11-14, 2016 (accepted)
4. Singh, Arun Kumar., and Samaddar, Shefalika Ghosh., Misra, Arun K., (2011); Enhancing VPN Security through Security Policy Management, IEEE 2nd International Conference on Computer and Communication Technology ICCCT 2011, September 15-17, 2011, MNNIT Allahabad India <https://ieeexplore.ieee.org/abstract/document/6194494/>
5. Singh, Arun Kumar., and Samaddar, Shefalika Ghosh., Replay Attacks and Its Cryptographic Solution, IDRBT Conference on Information Security, IDRBT Hyderabad, <http://www.idrbt.ac.in/PDFs/aron-singh.pdf>
6. Srivastava, Amit Kumar., and Samaddar, Shefalika Ghosh., (2011); Plugging DHCP Security Holes, 2011 IEEE International Conference on Recent Advances in Intelligent Computational Systems (RAICS 2011), September 22-24, 2011, Trivandrum, India (Accepted)
7. Ray, Sujit. & Samaddar, Shefalika Ghosh. & Keserwani, Pankaj Kumar. (2011); An Efficient Architecture of Decision Support System for Testing Potential Geographical Indication in India, 2011 IEEE International Conference on Control, Robotics and Cybernetics (ICCRC 2011), March 19-20, 2011, New Delhi, India (Available in IEEE Xplore) <https://www.scientific.net/AMR.403-408.4476>
8. Samaddar, Shefalika Ghosh. (2011); Teaching Quality Intellectual Property Management using Information Technology in Indian Pedagogy, IEEE International Conference on Social Science and Humanity – ICSSH 2011, Editors: Chun-Hua Lin and Zhang Ming, DOI: 978-14244-9374-6/11/, February 26-28, 2011, Singapore, 191-196 (Available in IEEE Xplore)
9. Singh, Kalpana & Samaddar, Shefalika Ghosh (2010); Selective Encryption Technique in RSA based Singular Cubic Curve with AVK for Text Based Documents: Enhancement of Koyama Approach, IEEE International Conference on Networking and Information Technology (ICNIT 2010) Manila, Philippines, June 11 - 13, 2010(Available in IEEE Xplore) <https://ieeexplore.ieee.org/abstract/document/5508497/>
10. Singh, Kalpana & Samaddar, Shefalika Ghosh (2010); Different Attacks on Selective Encryption in RSA based Singular Cubic Curve with AVK and their Possible Solutions, The IEEE International Joint Conference on Advances in Engineering and Technology AET 2010, Trivandrum, Kerala, India. (ACS) December 20-23, 2010 Proceeding on International Conference on Advances in computer Science 2010, 88-93 (Available in IEEE Xplore) DOI:02ACS.2010.01.41 <http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.673.912&rep=rep1&type=pdf>
11. Singh, Kalpana & Samaddar, Shefalika Ghosh (2010); Robustness of Selective Encryption in RSA based Singular Cubic Curve with AVK, The IEEE International Symposium on Electronic System Design (ISED 2010), Bhubaneshwar, India, 20-22 December, 2010 (Available in IEEE Xplore)
12. Samaddar, Shefalika Ghosh (2010); Formulation of Bio-cultural Community Protocols for Traditional Knowledge Documentation of Indigenous and Local Community, Proceedings of Third International Conference on Environmental Research (ICER 10) – University of Mauritius, Reduit, Mauritius, 16 – 18 September, 2010, 780

13. Nayak, Gopi Nath & Samaddar, Shefalika Ghosh (2010); Different Flavors of Man-In-The-Middle Attack, Consequences and Feasible Solutions, The 3rd IEEE International Conference on Computer Science and Information Technology (IEEE ICCSIT 2010), IEEE China Council, Chengdu, China, Digital Object Identifier: [10.1109/ICCSIT.2010.5563900](https://doi.org/10.1109/ICCSIT.2010.5563900) Volume: 5, 491 – 495, July 09 -11, 2010 (Available in IEEE Xplore) <https://ieeexplore.ieee.org/abstract/document/5563900/>
14. Nayak, GopiNath & Samaddar, Shefalika Ghosh (2010); Feasible Steps To Defend Attacks On SSL Based HTTP Connection, The 3rd International Conference on Advanced Computer Theory and Engineering (IEEE ICACTE 2010), IEEE Chengdu Section, Chengdu, China, August 20-22, 2010 (Available in IEEE Xplore)
15. Gupta, ShriBhagwan & Samaddar, Shefalika Ghosh (2010); Selective Image Encryption Technique: A Privacy Enhancing Strategy, Proc. of IEEE International Conference on Convergence of Science & Engineering in Education and Research: A Global Perspective in the New Millennium ICSE 2010, IEEE Bangalore Section, Bangalore, India, April 21 -23, 2010, 123 -128 (Available in IEEE Xplore)
16. Kumar, Prveen., Samaddar, Shefalika Ghosh., Samaddar, Arun B. & Misra, Arun K., (2010); Extending IEEE LTSA e-learning Framework in Secured SOA Environment, The proceedings of [The 2nd IEEE International Conference on Education Technology and Computer \(ICETC 2010\)](https://doi.org/10.1109/ICETC.2010.5529417), Vol 2, IEEE Education Society (Print ISBN: 978-1-4244-6367-1), Digital Object Identifier: 10.1109/ICETC.2010.5529417, (Available in IEEE Xplore) Shanghai China, June 22 -24, 2010, 136 – 140 <https://ieeexplore.ieee.org/abstract/document/5529417/>
17. Tiwari, Lokendra Kumar., Singh, Arun Kumar., Samaddar, Shefalika Ghosh. & Dwivedi, C K., (2010); Evidentiary Usage of E-mail Forensics: Real Life Design of a Case, Indian Institute of Information Technology Allahabad, Uttar Pradesh, India, December 28-30, 2010, Proceeding available in ACM Digital Library in (Proceeding [IITM '10](https://doi.org/10.1145/1963564.1963603)) Proceedings of the First International Conference on Intelligent Interactive Technologies and Multimedia [ACM](https://doi.org/10.1145/1963564.1963603) New York, NY, USA©2010 [table of contents](https://doi.org/10.1145/1963564.1963603) ISBN: 978-1-4503-0408-5 doi>[10.1145/1963564.1963603](https://doi.org/10.1145/1963564.1963603)(Available in ACM Digital Library <http://www.acm.org/publications/gi-proceedings>)
18. Mishra, Shivani & Samaddar, Shefalika Ghosh (2009); Hard Disk Image Recovery Practice Using SSH Port Forwarding, Proceedings of the 12th IEEE International Conference on Information Technology ICIT 2009, Edited by Saraju P Mohanty, Arindama Singh & Brajendra Panda, Published by Tata McGraw Hill Education Pvt. Ltd New Delhi, ISBN-13 978-0-07-068104-2, ISBN-10 0-07-068104-0, IEEE Computer Society, Bhubaneswar, India, December 21 -24, 2009, 85-89 (Available in IEEE Xplore)
19. Samaddar, Shefalika Ghosh & Samaddar, Arun B. (2010); Identifying a Candidate for Geographical Indication: Process and Testing, Proc. National Conference on Bio prospecting: Access for Sustainable Development (BIOPROSP-2010), Motilal Nehru National Institute of Technology, Allahabad, 19 - 20 February 2010, 15-25
20. Bhunia C T, Mondal G & Samaddar Shefalika (2004); “Theories and Application of Time Variant Key in RSA and that with Selective Encryption in AES”; Proc. of CSI Annual Convention; Tata-McGraw Hill. Hyderabad, 9-13th Nov. 2004, 135 -145.

Other papers presented in Conferences

27. Pankaj Kumar Keserwani, Shefalika Ghosh Samaddar, Praveen Kumar. e-Learning Web Services and Their Composition Strategy in SOA, In book titled, Smart Computing Paradigms: New Progresses and Challenges, 291-302, Springer, Singapore, 2020 (Book Chapter)
28. Keserwani, P. K., & Samaddar, S. G. (2017, November). Customization of Service level agreement for digital forensics as a service. In Proceedings of the 7th International Conference on Computer and Communication Technology (pp. 139-150). ACM.
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30. Kumar, Nandan., Keserwani, P. K., & Samaddar, S. G., A Comparative Study of Machine Learning Methods for Generation of Digital Forensic Validated Data. In 2017 Ninth International Conference on Advanced Computing (ICoAC 2017) (pp. 15-20). IEEE. (2018)
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31. Keserwani, P. K., & Samaddar, S. G., An SLA Design with Digital Forensic Capabilities. In 2017 Ninth International Conference on Advanced Computing (ICoAC), 109-113, IEEE, 2018
<https://ieeexplore.ieee.org/document/8441460/> [DOI:10.1109/ICoAC.2017.8441460](https://doi.org/10.1109/ICoAC.2017.8441460)
32. Manna, Swapan; Samaddar, Arun Baran and Samaddar, Shefalika Ghosh. Resolving IPR Challenges in MOOC, 33rd Annual Convention of the Society of Information Science and Conference on Open Access: The Road to Freedom, CSIR Indian Institute of Chemical Biology, Kolkata, India, April 7-8, 2017, pp 26
33. Shefalika Ghosh Samaddar, An Ancient Encoding Technique, National Workshop on Role of ICT in Preservation of Indegenous Knowledge in North Eastern Region, National Institute of Technology, Silchar, Indira Gandhi National Centre for the Arts, New Delhi, 15-17 March 2017, pp 53
34. Amar Kumar Mishra and Shefalika Ghosh Samaddar, Generation of Symmetric Sharing Key using abc Conjecture, ICECDS 2017, 2017 International IEEE Confence on Energy Communication, Data Analyses and Soft Computing, SKR Engineering College, 1-2 August 2017 Chhenai
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35. Ashish Kumar Mishra, Pankaj Kumar Keserwani, Shefalika Ghosh Samaddar, Harka Bahadur Laminchaney, Abhishek Kumar Mishra, A Decision Support Syatem in Health Care System, First International Conference on Advanced Computational and Communication Paradigms (ICACCP 2017) Sikkim Manipal Institute of Technology, 08-10 September 2017, Sikkim
<https://www.springer.com/in/book/9789811082399>
36. Gopa Bhaumik, Shefalika Ghosh Samaddar, Arun Baran Samaddar, **Recognition Techniques in Buddhist Iconography and Challenges**, International Conference on Advances in Computing, Communications and Informatics, ICACCI 2018, Year 2018, Pages 1285-1289, [DOI:10.1109/ICACCI.2018.8554780](https://doi.org/10.1109/ICACCI.2018.8554780)
37. Gopa Bhaumik, Shefalika Ghosh Samaddar, Arun Baran Samaddar, Digital Posture Analysis Buddha Images for Classification of Sects and Historical Time scale, Poster presentation, Regional Celebration of Women in Computing, East and North-East, Department of CSE, IIT Guwahati in association with ACM-India's ACM-W, IIT Guwahati, 2 - 3 November 2015

38. Gopa Bhaumik, Shefalika Ghosh Samaddar, Arun Baran Samaddar Digital Authentication of the Images of Buddha in the Portrait of Thangka for determination of sects and periods, National Conference on Scientific Validation of Traditional Knowledge, MHRD-IPR Chair, IIT Roorkee, IIT Roorkee, March 12-13, 2016
http://www.scienceandculture-isna.org/mar-apr2018/11%20RC_An_Algorithm_for_Digital_Authentication_of_...by_Gopa%20Bhaumik_Pg.129.pdf
39. Manna, Swapan; Samaddar, Shefalika Ghosh and Samaddar, Arun Baran. Resolving IPR Issues in MOOC. National Conference on the Evolving regime of Intellectual Property Protection. November 2 – 4, 2015. JNU, Delhi.
40. Manna, Swapan; Samaddar, Arun Baran and Samaddar, Shefalika Ghosh. Interface of Open Learning Resources and Library Repositories. National Seminar on Emerging Trends in Academic Libraries (Celebrating Librarians Day), Indian Institute of Technology Kharagpur August 21, 2015.
41. Samaddar, S. G., and Barik, R.K., A Mobile Framework For Geographical Indication Web Services, Third International Conference on Computational Intelligence and Information Technology (CIIT 2013), 2013, PP 420-426, ISBN: 978-1-84919-859-2 DOI: 10.1049/cp.2013.2623,
<https://ieeexplore.ieee.org/document/6950907/>
42. Barik, R.K., Samaddar, S. G., Samaddar, Arun B., 2013, Service Oriented Architecture based SDI Model For Geographical Indication Web Services In India, 1st KSOL National Conference on Intellectual Property Rights, KIIT University, September 12-14, 2013
<https://pdfs.semanticscholar.org/3843/f01ec7835ecf63d540c3c53c09e780f373d5.pdf>
43. Barik, R K., Ray, Sujit., Samaddar, Shefalika Ghosh., Samaddar, Arun B., & Gupta, R D., 2011, Service Oriented Architecture based SDI Model for Geographical Indication Web Services in India, (2011); The 2nd IPR Researchers Confluence, February 11-12, 2011, SJMSOM, IIT Bombay, India
<https://www.semanticscholar.org/paper/Service-Oriented-Architecture-based-SDI-Model-for-Barik-Samaddar/3843f01ec7835ecf63d540c3c53c09e780f373d5>
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