

Annexure-1

Curriculum Vitae

1. **Name** : KRISHNENDU BASULI

2. **Present position** : Assistant Professor
Department of computer science
West Bengal State University

3. **Address for Communication** : Department of Computer Science.
West Bengal State University,
Calcutta- 700156.

4. **Date of Birth** : March 24, 1981.

5. **Academic qualification** : Master of Computer Science
S.R.T.M.Univ. (M.H.), 2003.
B.Sc (H) in Computer Science
Vidyasagar University, 2001

6. Scientific Activities:

I qualify the UGC-NET (JRF) in July 2005. During 2006-2008, I worked in Calcutta University as Junior Research Fellow-U.G.C (NET). My subjects were Role of Graph Theory in the discipline of Computing. In the year 2008, I appointed as the Lecturer in the Surendranath Evening College, Sealdah through WBCSC. But continue my research work after resign from the JRF, and still continuing my PhD program in the same discipline. In 2009 I joined as an Asst. Professor of West Bengal State University, Barasat. I have already registered for PhD in the dept. of computer Science and Engg, Calcutta University. Now I am waiting for final seminar and thesis submission.

7. Teaching Experience:

Since 2008, I have been actively involved in teaching various subjects in the B.Sc. and M. Sc. course in the Computer Science department. The course includes graph theory, logic design, operating system, Analysis of Algorithms, Computer programming methodology, Computer architecture and organization, System programming, Soft Computing.

8. Research interest:

Graph theory, Analysis of serial and parallel algorithms, Artificial Intelligence, Genetic Algorithm & Neural Network etc.

9. Published e-Books:

i) A Closer Look Towards Arithmetic Algorithms. With BKS process.-Lambert Academic Publishing. ISBN: 978-659-26104-6.

ii) How to cope with an intractable problem –Using Binary decision diagram”. D. Sensarma, K. Basuli, S. Sen Sarma, LAP Lambert Academic Publishing, ISBN: 978-659-43739-7, 2013.

10. List of Publication etc. :

1. “Spanning Tree Generation in the Limelight”, S. Naskar, K.Basuli, S.S.Sarma, and R.K.Pal, Proc. of the National Seminar on Recent Advances in Operational Research and Related Computational Aspects, Department of Applied Mathematics, University of Calcutta, Kolkata, India, pp. 57-60, Aug. 22-23, 2007.
2. “Serial Port Data Communications using MODBUS Protocol”, S.Naskar, K.Basuli, and S.S.Sarma, ACM Ubiquity, Volume 9, Issue 3, January 22-28, 2008.
3. “Generation of a Random Simple Graph and Its Graphical Presentation”, K.Basuli and S.Naskar, ACM Ubiquity, Volume 9, Issue 10, March 11-17, 2008.
4. “On Degree Sequence”, S.Naskar, K.Basuli, S.S.Sarma, and K.N.Dey, ACM Ubiquity, Volume 9, Issue 16, April 22-28, 2008.
5. “Content-Based Image Retrieval System”, M.M.Sardar, K.Basuli, and S.Naskar, ACM Ubiquity, Volume 9, Issue 32, August 12-18, 2008.
6. “When a Degree Sequence represents a Tree Sequence”, S.Naskar, K.Basuli, and S.S.Sarma, International Journal of Computer Science, Volume 2, No. 3, p.p.-62-69, 2008.
7. “Determination of Hamiltonian Circuit and Euler Trail from a Given Degree Sequence”, K.Basuli, S.Naskar, and S.S.Sarma, Journal of Physical Science, Volume 12, 2008, pp.- 249-252.
8. “Finding Maximum Clique Number of a Graph from its Degree Sequence”, S.Naskar, K.Basuli, and S.S.Sarma, ICACT-2008, Hydrabad, Paper Id: TN285, 2008.
9. “Obscure History of Graphs”, S.S.Sarma, S.Naskar, K.Basuli, and R.Halder, International Journal of Computer Sciences, Vol. III, No. 2, pp.74-78, 2009.
10. “Generation of All Spanning Trees of a Simple, Symmetric Connected Graph”, K. Basuli, S. Naskar, S.S.Sarma, SSRN, id: 1529902, December 30, 2009

11. "Generation of All Spanning Trees", S. Naskar, K. Basuli, and S.S.Sarma, SSRN, id: 1433035, December 30, 2009
12. "A Close Encounter with Intractability", S.S.Sarma, S. Naskar, and K. Basuli, SSRN, id: 1440907, December 30, 2009
13. "Connectedness of a Graph from its Degree Sequence and it is Relevent with Reconstruction Conjecture", S. Naskar, K. Basuli, and S.S.Sarma, Journal of Global Research in Computer Science, Vol.1, No.1, ISSN-2229-371X, August 2010.
14. "Role of Degree Sequence in Determination of Maximal Clique of a Graph", K. Basuli, S. Naskar, and S.S.Sarma, Journal of Global Research in Computer Science, Vol.1, No.2, ISSN-2229-371X, October 2010.
15. "Generation of All Spanning Trees a Combinatorial Approach", S. Naskar, K. Basuli, and S.S.Sarma, Journal of Global Research in Computer Science, Vol.1, No.4, pp. 68-74, ISSN-2229-371X, November 2010.
16. "Application of MODBUS Protocol in Serial Port Data Communication", S.Sarkar, S. Naskar, and K. Basuli, European Conference for Academic Discipline, Organized by The International Journal of Arts and Science, Gottenheim Germany, November 29 - December 3, 2010.
17. "Extracting Plain Text from Corrupted Word Document", S. Naskar, S. Sarkar, and K. Basuli, Journal of Global Research in Computer Science, Vol. 2, No. 8, pp. 21- 23, ISSN-2229-371X, August 2011.
18. "Spanning Tree Generation in the Limelight", CCSIT 2012 in Bangalore, Springer, ISSN.1867-8211. January 2-4,pp. 2012, India.
19. "The Reconstruction Conjecture", CCSIT 2012 in Bangalore, Springer, ISSN.1867-8211. January 2-4, pp.2012, India.
20. "Minimizing Boolean Sum of Products Functions Using Binary Decision Diagram", CCSIT 2012 in Bangalore, Springer, ISSN.1867-8211. January 2-4, pp. 2012, India.
21. "FROMRECONSTRUCTION CONJECTURETOWARDSALEMMA", Computer Science & Engineering: An International Journal (CSEIJ), Vol.2, No.1, pp.53-64, February 2012.
22. "On An Optimization Technique Using Binary Decision Diagram" , International Journal of Computer Science, Engineering and Applications (IJCSEA) Vol.2, No.1,pp73-86, February 2012
23. "A Novel Scheme for text data encryption", Volume 3 issue I, pp.39-41.JGRCS, 2012.,ISSN-2229-371X.
24. "A New Scheme for Key Exchange", International Journal of Modern Engineering Research (IJMER), Vol.2, Issue.3, May-June 2012 pp-864-869 ISSN: 2249-6645

25. "JOUST FOR SUPREMACY-BOOTH'S & BKS MULTIPLICATION ALGORITHM", - Volume3, No. 5, May 2012 Journal of Global Research in Computer Science
26. "A close look towards Modified Booth's algorithm with BKS Process", IOSR Journal of Engineering (IOSRJEN) ISSN: 2250-3021 Volume 2, Issue 6 (June 2012), PP 33-40
27. "Multiplication another Hue And Cry", The International Journal of Engineering And Science (IJES) Volume 1 Issue 1 Pp 18-21, 2012, ISSN: 2319 – 1813 ISBN: 2319 – 1805
28. "ON A KEY EXCHANGE TECHNIQUE, AVOIDING MAN-IN-THE-MIDDLE-ATTACK", Volume 3, No. 9, September 2012 Journal of Global Research in Computer Science
29. "A novel process for key exchange avoiding man-in-middle attack",- International Journal of Advancements in Research & Technology, Volume 1, Issue 4, September-2012 1 ISSN 2278-7763
30. "A COMBIMATORIAL ALGORITHM TO GENERATE ALL SPANNING TREES OF A WEIGHTED GRAPH IN ORDER OF INCREASING COST," MIS quarterly published in Colorary University press 2012
- 31."Society of Graphs" Accepted for publication in IJESIT: (ISO 9001:2008), 2013