Annexure-1

Curriculum Vitae

1.	**Name**	:	**Dr. KRISHNENDU BASULI**
2.	**Present position**	:	Associate Professor Department of Computer Science. West Bengal State University.
3.	**Address for Communication**	:	**Department of Computer Science.** **West Bengal State University,** **Calcutta- 700 156.**
4.	**Date of Birth**	:	March 24, 1981.
5.	**Academic record**	:	**Ph.D (Sc.),** University of Calcutta, 2015 **Master of Computer Science** S.R.T.M.Univ. (M.H.), 2003. **B.Sc (H)** in Computer Science Vidyasagar University, 2001
6.	**Research Guidance**	:	2 Ph.D. students awarded , 2 submitted and 2 Registered.

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 and Bioinformatics etc.

8. Research interest:

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

9. Published e-Books:

i) A Closer Look Towards Arithmetic Algorithms. With BKS process. B Biswas, **K.Basuli**, S Sen Sarma- Lambert Academic Publishing. ISBN: 978-659-26104-6, 2012.

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.

iii) Role of graph theory in the discipline of computing, **K.Basuli**, Lambert Academic Publishing, ISBN: 978-613-9-88610-4, 2018.

10.Publication etc.:

1. "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.

2. "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.

3. "On Degree Sequence", S.Naskar, **K.Basuli**, S.S.Sarma, and K.N.Dey, ACM Ubiquity, Volume 9, Issue 16, April 22-28, 2008.

4. "Content-Based Image Retrieval System", M.M.Sardar, **K.Basuli**, and S.Naskar, ACM Ubiquity, Volume 9, Issue 32, August 12-18, 2008.

5. "When a Degree Sequence represents a Tree Sequence", S.Naskar, **K.Basuli**, and S.S.Sarma, ICFAI University Journal of Computer Science, Volume 2, No. 3, p.p.-62-69, 2008.

6. "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.

7. "Obscure History of Graphs", S.S.Sarma, S.Naskar, **K.Basuli**, and R.Halder, The ICFAI University Journal of Computer Sciences, Vol. III, No. 2, pp.74-78, 2009.

8. "Generation of All Spanning Trees of a Simple, Symmetric Connected Graph", **K. Basuli**, S. Naskar, S.S.Sarma, SSRN, id: 1529902, December 30, 2009

9. "Generation of All Spanning Trees", S. Naskar, **K. Basuli**, and S.S.Sarma, SSRN, id: 1433035, December 30, 2009

10. "A Close Encounter with Intractability", S.S.Sarma, S. Naskar, and **K. Basuli**, SSRN, id: 1440907, December 30, 2009

11. "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.

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13. "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.

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15. “FROMRECONSTRUCTION CONJECTURETOWARDSALEMMA”,Computer Science & Engineering: An International Journal (CSEIJ), Vol.2, No.1,pp.53-64, February 2012.

16. “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

17. “A Novel Scheme for text data encryption”, Volume 3 issue I , pp.39-41.JGRCS,2012.,ISSN-2229-371X.

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23. “A novel process for key exchange avoiding man-in-middle attack”, B. Biswas, **K. Basuli**, and S. S. Sarma,International Journal of Advancements in Research & Technology, ISSN 2278-7763,Volume1, Issue 4, September-2012.

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32. “Review on Intractability” K Basuli, International Journal of Innovative Technology and Exploring Engineering (IJITEE), DOI: 10.35940/ijitee.G 9941.0611722 ,Volume-11 Issue-7, June 2022.

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Pattent Publication:

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S Chakraborty, P Roy, C Paul, T Biswas, K Basuli, Patent granted from the Patent Office, Govt. of India (No. 202531125945 A, Date 02/01/2026)