1	**Name of the Teaching Faculty**	Dr. S. V. Sathyanarayana
2	**Designation**	Professor
3	**Email ID**	svs@jnnce.ac.in
4	**Qualification**	M.Tech, ph.D
5	**Total Experience (Years)**	Teaching Industry Research 20 0 10
6	**Research Area**	Crytography and Network Security, Natural Language Processing, Image Forensics
7	**Journals and Conference Papers Published details**	Enclosed
8	**Conferences/FDP organized**	Enclosed
9	**Books Published / IPRs/ Patents**	

10	**Professional Memberships**
	   1. Member ISTE
	   2. Fellow IETE
	   3. Member Cryptology Research Society of India, ISI, Kolkata
	   4. Member Association of Computer Electrical & Electronics Engineers (ACEEE), Trivendrum	

11	**Consultancy Activities** ------	
12	**Grants fetched details** -------	

13	**Achievements and Recognitions / Awards**
	   1. Prepared the study materials for the following subjects for BSc(IT)/MSc(IT) course of K.S.O.U Mysore and Kuvempu University:
	      a. Data Structures using C Language.(III Sem , B.Sc(IT))
	      b. Distributed databases and Computing.(IV Sem M.Sc(IT))
	   2. Adapted a book "Introduction to Computer Security by Matt Bishop" for Pearson Asia Publications – 2005
	   3. Reviewed a book on " Public Key Cryptography" for Pearson Asia Publications
	   4. Reviewed four journal articles of Information Security Journal: A Global Perspective, Journal of Taylor & Francis, Online Journal
	   5. Received Rs. 60,000/- from AICTE for conducting International Joint Colloquium CEM-2011 during December 2011
	   6. Received Rs. 2.00 Lakhs for organizing STTP from VGST, Bangalore during March 2012
	   7. Received Rs, 25,000/- from DRDO, New Delhi, for organizing International Conference MPCIT-2013 during December 2013	

Conferences / Faculty Development Programmes Organized

Sl. No	Conferences / FDPs Organized	Period
1	Convener of National Workshop on Cryptology – NWC05 organized by Department of Information Science & Engg., JNNCE, Shimoga in association with Cryptology Research Society, Kolkatta	12-14, August. 2005
2	Organizing Secretary of International Joint Colloquium on	27-28, December

Sl. No	Conferences / FDPs Organized	Period
	Computer, Electrical and Mechanical – CEM 2011, by Department of Electronics & Communication Engg., JNNCE, Shimoga in association with Association of Computer Science, Electronics & Electrical Engineers – ACEEE, Trivendrum	2011
3	Coordinator of VTU-VGST sponsored Faculty Development Programme on "Secure Communication and Image Processing".	14-18, March, 2012
4	Convener of International Conference on "Multimedia Processing, Communications and Information Technology – MPCIT 2013	19-21, Dec. 2013
5	Convener of Two week ISTE workshop on Cyber Security organized by JNNCE Remote Centre of IIT, Bombay	10 – 20, July 2014
6	Convener, National Workshop on Cryptology – NWC2016 organized by Department of Electronics & Communication Engg., JNNCE, Shimoga in association with Cryptology Research Society, Kolkatta	11-13, August. 2016

Journals and Conference papers published details: to include details of papers published during each cadre of service, year wise

2000 National Conference
1. Sathyanarayana.S.V "A secure communication scheme for E-commerce Services", National Conference on Information Technology challenges - Vision 21st Century at G.B.Pant Engg. College Pauri,Garhwal,U.P, 26-06-2000 to 27-06-2000

2001 National Conference
1. Sathyanarayana.S.V, "Elliptic Curve Based Digital Signature Verification System", National Conference on Mathematical and Computational Models - NCMCM - 2001 at PSG Tech, Coimbatore, 27-08-2001 to 28-08-2001

2003 State level Conference
1. Jalesh Kumar, Sathyanarayana.S.V "Elliptic Curve Based Stream Cipher Systems", State Level Conference at NMAMIT, Nitte, Karnataka, July 25 – 26, 2003   2. Vishwas.C.G.M, Sathyanarayana.S.V "Cipher Feed back Systems", State Level Conference at NMAMIT, Nitte, Karnataka, July 25 – 26, 2003

2004 National Conference
1. Sathyanarayana.S.V, Dr.M.Aswatha Kumar, Dr.K.N.Haribhat, "Some studies on Elliptic Curve Based Stream Cipher Systems", National Conference at Goa College of Engg. Goa, PONDA, 22,23 Jan 2004

2.	Jagadeesha S.N , Sathyanarayana S.V ,Sapna S.B , "Fault tolerant scheduling of hard real time periodic tasks in distributed systems -A Review", National conference on "Distributed computing NCDC-2004", N.M.A.M. Institute of technology, Nitte ,March,2004
3.	

2005 National Conference

1.	Jagadeesha.S.N, Sathyanarayana.S.V., Pradeep.H.K., "Absolute Pen Position System", National Conference on "Vision, Graphics & Image Processing", 2 –3 March , 2005 J.N.N. College of Engg., Shimoga, Karnataka
2.	Sathyanarayana.S.V, Dr.M.Aswatha Kumar, Dr.K.N.Haribhat, "Study of Elliptic Curve based Pseudo Random Sequence Generator" 5th National Workshop on Cryptology, 12-14, August, 2005, JNNCE, Shimoga
3.	Vishwas C.G.M, Jalesh Kumar, Sathyanarayana.S.V, Dr.K.N.Haribhat, "Cipher Feedback System using Nonlinear feedback shift registers for Image encryption" 5th National Workshop on Cryptology, 12- 14, August, 2005, JNNCE, Shimoga
4.	Ashwini.J.P, Sathyanarayana.S.V, "E-Learning: Possibilities And Growth Prospects In India", Proceedings of National Conference on "The New Growth Cycle in the Context of Globalization: Lessons for India Inc." organized by MBA department, JNNCE,Shimoga held in October 21-22, 2005 pp134.
5.	

2005 International Conference

1.	Jagadeesha.S.N, Sathyanarayana.S.V., Pradeep.H.K., "Absolute Pen Position Encoding and Decoding Scheme", Proceedings of International Conference on "Cognition and Recognition", PES College of Engg., Mandya, Karnataka, 22-23 December 2005, pp 227-232

2007 International Conference

1.	Sathyanarayana.S.V, Dr. M. Aswatha Kumar, Dr.K.N.Haribhat, "Generation of Pseudorandom Sequence over Cyclic Elliptic Curve Group and Their Properties", International Conference on Advances in Information and Communication ICICOT07, MIT Manipal, 28 –30 Dec 2007

2007 National Journal

1.	Sathyanarayana.S.V, Dr.M.Aswatha Kumar, Dr.K.N.Haribhat, "Generation of Pseudorandom Sequence over Elliptic Curve Group and Their Properties", Journal of discrete mathematical sciences & Cryptography, Taru Publications, New Delhi, Vol. 10, No. 6, pp. 731-747, 2007

2010 International Journal

1.	Sathyanarayana. S. V. , M. Aswatha Kumar, K. N. Haribhat, Design of Pseudo Random Sequence Generator based on properties of Cyclic Elliptic Curves over Finite Fields, Information Security Journal: A Global Perspective, 19(02), pp. 84 - 94. DOI: 10.1080, Taylor \& Francis, Online ISSN:1939-3547, April 2010

2010 International Conference

1. Sathyanarayana. S. V. , M. Aswatha Kumar, K. N. Haribhat, "Image Encryption Scheme with Binary Sequences derived from Random Sequence of Cyclic Elliptic Curve Points as key sequence" Proceedings of International Conference on Advances in Communication, Network, and Computing – CNC 2010, Published by IEEE Computer Society Washington, DC, USA ©2010,ISBN:978-0-7695-4209-6, doi>10.1109/CNC.2010.9, achieved in IEEE Explore, Organized by ACEEE, Engineers Network, during Oct 04-05, 2010 in Calicut, Kerala, India

2011 International Journal

1. Sathyanarayana. S. V. , M. Aswatha Kumar, K. N. Haribhat, " Symmetric Key Image Encryption Scheme with Key Sequences Derived from Random Sequence of Cyclic Elliptic Curve Points", International Journal of Network Security, Vol.12, No.3, pp 137-150, May 2011
2.

2012 International Journal

1. Sathyanarayana. S. V. , K. N. Haribhat, "Novel Scheme for Storage and Transmission of Medical Images with Patient Information using Elliptic Curve Based Image Encryption Schemes With LSB Based Steganographic Technique", Journal of Medical Imaging and Health Informatics, vol. 2, no. 6, pp. 1{10, 2012

2013 International Journal

1. S Amarappa, Dr. S V Sathyanarayana. "Named Entity Recognition and Classification in Kannada Language". International Journal of Electronics and Computer Science Engineering (IJECSE), Available Online at www.ijecse.org ISSN: 2277 –1956/V2N1, Volume 2, No.1, pp -281-289, January 2103

2013 International Conference

1. S Amarappa, Dr. S V Sathyanarayana. "A Hybrid approach for Named Entity Recognition, Classification and Extraction (NERCE) in Kannada Documents". Proceedings of the International Conference on Multimedia Processing, Communication and Information Technology (MPCIT-2013). Book Series: Advances in Engineering and Technology Series, IDES publications, DOI: 03.AETS.2013.4.91, Page(s):173–179, ISBN: 2214-0344, Volume: 4, Dec 2013.

2013 National Conference

1. Amarappa, Dr. S V Sathyanarayana. "Natural Language Processing for Kannada". National Conference on Emerging Trends in Engineering and Management (ETEM 2013), ISBN: 978-81-926416-0-7, Pages: 116-124, March 1 & 2, 2013
2. Aparna, Dr. S. V. Sathyanarayana, "Commutative Watermarking and Encryption Scheme for Wireless Applications", Published in Proceedings of the 6th IETE National Conference on RF & Wireless, pp 203-208, May 10, 2013.
3. Prashanth.S.B, Dr. S. V. Sathyanarayana, "Secure Wireless e-Transaction using Visual Cryptography Technique", Published in Proceedings of the 6th IETE National Conference on RF & Wireless, pp 160-163, May10,2013.
4. Shivaprasad K, Dr. S V Sathyanarayana "Copy-Move Forgery Detection in Digital

Images Using Block Matching Method", Proceedings of ICICE Transactions on Engineering Sciences-2013, June 28&29, 2013

5. S. Amarappa, Dr. S. V. Sathyanarayana, " Fully Supervised Dictionary based Machine Learning Approach using Hidden Markov Model for Named Entity Recognition in Kannada" , Proceedings of the 6th IETE National Conference on RF & Wireless, 9-11, May 10, 2013

2014 International Conference

1. Sowmya. S. , S. V. Sathyanarayana, "Symmetric Key Image Encryption Scheme with Key Sequences Derived from Random Sequence of Cyclic Elliptic Curve Points over GF(p)" International Conference on Contemporary Computing and Informatics (IC3I-2014), 27-29, November 2014, SJCE, Mysore, India, IEEE Explore, 978-1-4799-6629-5/14 pp 1345 –1350.

2. Shruthi H M., Sheela.S.,S. V. Sathyanarayana, "Image Encryption Scheme with Key Sequences based on Chaotic Functions", International Conference on Contemporary Computing and Informatics (IC3I-2014), 27-29, November 2014, SJCE, Mysore, India, IEEE Explore, 978-1-4799-6629-5/14 pp 1345 – 1350.

3. Priyanka.N., Sheela.S.,S. V. Sathyanarayana, "A Steganographic System for Embedding Image and Encrypted Text", International Conference on Contemporary Computing and Informatics (IC3I-2014), 27-29, November 2014, SJCE, Mysore, India, IEEE Explore, 978-1-4799-6629-5/14 pp 1345 – 1350.

2014 International Journal

1. S. Amarappa, Dr. S V Sathyanarayana. "Data classification using Support vector Machine (SVM), a simplified approach". International Journal of Electronics and Computer Science Engineering (IJECSE), Available Online at www.ijecse.org, ISSN 2277-1956/V3N4-435-445, Pages: 435-445, Nov 2014

2015 International Journal

1. S Amarappa, S B Harisha, Dr. S V Sathyanarayana. "Automatic Speech Recognition - A Literature Survey on Indian languages and Ground Work for Isolated Kannada Digit Recognition using MFCC and ANN". International Journal of Electronics and Computer Science Engineering (IJECSE), Available Online at www.ijecse.org, ISSN 2277-1956/V4 N1-91-105, Pages: 91-105, Feb 2015

2015 International Journal (Under Review)

1. S Amarappa, Dr. S V Sathyanarayana. "Named Entity Recognition and Classification (NERC) for Kannada Language using Support vector Machine (SVM)" for Elsevier Journal "Pattern Recognition Letters". June, 2015

2. S Amarappa, Dr. S V Sathyanarayana. "Kannada Named Entity Recognition and Classification (NERC) based on Maximum Entropy (Max-Ent)" for Springer Journal "Machine Translation". Aug, 2015

3. S Amarappa, Dr. S V Sathyanarayana. "Kannada Named Entity Recognition and Classification (NERC) based on Multinomial Naïve Bayes (MNB) Classifier" for International Journal of Natural Language Computing (IJNLC). July, 2015

2015 International Conference

1. Shalini.I.S., Mohan Naik. R., S. V. Sathyanarayana, "A Comparative Analysis of Secret Sharing Schemes with Special Reference to e-Commerce Applications", Second International Conference on Emerging Research in Electronics, Computer science and Technology (ICERECT-2015), **December 17th to 19th 2015.**
2. Vijayalaxmi.V.S., Shwetha .B., S.V. Sathyanarayana, "Image Classifier based Digital Image Forensic Detection-A Review and Simulations", Second International Conference on Emerging Research in Electronics, Computer science and Technology (ICERECT-2015), **December 17th to 19th 2015.**
3. S Amarappa, Dr. S V Sathyanarayana. "Named Entity Recognition and Classification (NERC) for Kannada Language using Continuous Random Fields (CRF)". Second International Conference on Emerging Research in Electronics, Computer science and Technology (ICERECT-2015), **December 17th to 19th 2015.**

2016 International Conference

1. Poojashri C S, Sandeep Kumar E, Dr. S V Sathyanarayana, "A Game -Theoretic approach for combating Node Compromise attack in Wireless Sensor Network", Proceedings of 5th IEEE International Conference on Communication and Signal Processing, 6 – 8. April 2016, Department of Electronics and Communication Engineering, APEC, Chennai