


Name	JALESH KUMAR	
Designation	Associate Professor	
Qualification	B.E., M.Tech. (Ph. D)	
Email	jaleshkumar@jnncce.ac.in	
Phone	08182-276707-extn-551	
Experience		
1. Research	4	
2. Teaching	14	
3. Industry	3	
Area of Research	Information security	
Member of Professional Organization	ISTE, CRSI	
STTP/Workshops/Conferences attended	<ol style="list-style-type: none"> 1. Participated one week short term ISTE certified course on “A PEDAGOGY FOR EFFECTIVE USE OF MATHEMATICS FOR RESEARCH IN SCIENCE AND TECHNOLOGY” held at J.N.N.C.E., Shimoga during 27th to 31st July 2015. 2. Conducted and participated in one week short term ISTE certified course on “ANDROID APPLICATION DEVELOPMENT AND EMBEDDED ANTROID” held at J.N.N.C.E., Shimoga during 14th to 23rd February 2015. 3. Participated in third international conference on Advances in Computing, Communications and Informatics ICACCI 2014 held at Galgotias college of Engineering & Technology, Greater Noida during 24th to 27th September, 2014. 4. Participated in a two week ISTE workshop on Computer Programming conducted by Indian Institute of Technology, Bombay from May 20th 2014 to June 21st 2014. 5. Participated in three day workshop on “RESEARCH METHODOLOGIES & LATEX” organized by VTU e-learning centre, Mysore from 20th to 22nd February 2014 at K.S. School of 	

Engineering & Management, Bangalore.

6. Participated in International Conference on Multimedia Processing, Communication and Information Technology MPCIT - 2013 held at J.N.N.C.E., Shimoga during 19th to 21st December 2013.
7. Participating in first international conference on Multimedia processing, Communication and Computing Applications held at PES Institute of Technology, Bangalore on December 13th to 15th 2012.
8. Participated in one week short term training program on “WORKSHOP ON LATEX AND MATLAB” held at J.N.N.C.E., Shimoga during 23rd to 27th July 2012.
9. Participated in one week short term training program on “MATLAB & ITS APPLICATIONS” held at J.N.N.C.E., Shimoga during 27th to 31st January 2012.
10. Participated in the 3rd International Conference on Cognition & Recognition ICCR-2011 organized by the Department of Studies in Computer Science, Mysore during 9th & 10th December 2011.
11. Participated in international joint colloquium on Emerging Technologies in Computer Electrical and Mechanical, CEM 2011 held at J.N.N.C.E., Shimoga during 27th to 28th December 2011.
12. Participated in one week short term training program on “OPERATIONS RESEARCH & ITS APPLICATIONS” held at J.N.N.C.E., Shimoga during 27th to 31st July 2010.
13. Participated in two days workshop on Compiler Design on 19th & 20th February 2009 in Vivekananda Institute of Technology, Bangalore.
14. Participated in two days workshop on “WORKSHOP ON WIRELESS SENSOR NETWORKS” held at J.N.N.C.E., Shimoga during 9th & 10th May 2008.
15. Participated in Human Resource Management Conclave on Industry-Institute Synergy in Talent Acquisition Process held at Participated in one week short term training program on “MATLAB & ITS APPLICATIONS” held at J.N.N.C.E., Shimoga during 9th

	<p>& 10th January 2008.</p> <ol style="list-style-type: none"> 16. Participated in four days course on “DATA WAREHOUSE & DATA MINING” held at J.N.N.C.E., Shimoga during 2nd to 5th January 2007. 17. Participated in TEQIP sponsored state level workshop on “Digital Image Processing and Computer Vision” held at Malnad College of Engineering, HASSAN during 4th & 5th May, 2007. 18. Participated in one week workshop on “LINUX CAMPUS NETWORKING, INSTALLATION & MAINTENANCE” held at J.N.N.C.E., Shimoga during 1st August to 5th August 2007. 19. Participated in Train the Trainer Program on Software Testing held at Infosys Technologies Ltd., Mysore during 7th to 9th November 2006. 20. Participated in organizing the PG SANGAMA 2006 a two day technical symposium organized by Department of Computer Science & Engg., J.N.N. College of Engineering, Shimoga on 17-18th March, 2006. 21. Participated in training on Microsoft . NET held at J.N.N.C.E., Shimoga during 8th to 12th August 2006. 22. Participated in Oracle Database 10g administration Workshop conducted by ORACLE, Bangalore during 19th to 22nd July 2005. 23. Participated in four days training program on “HAPTIC TECHNOLOGY” held at J.N.N.C.E., Shimoga during 4th to 8th September, 2004.
<p>STTP/Workshops/Conferences Organized</p>	<ol style="list-style-type: none"> 1. Conducted one week workshop on “Concept of DATABASE MANAGEMENT SYSTEMS” during 29th January to 3rd February 2007 for technical staff of CSE,ISE & MCA of J.N.N.C.E., Shimoga. 2. Organised one week short term ISTE certified course on “ANDROID APPLICATION DEVELOPMENT AND EMBEDDED ANTROID” held at J.N.N.C.E., Shimoga during 14th to 23rd February 2015.
<p>Research Publications</p> <ul style="list-style-type: none"> • Journals 	<ol style="list-style-type: none"> 1. Jalesh Kumar and S. Nirmla, “A Novel Approach for Enhancing the Security of Image Contents, International

Journal of Multimedia Intelligence and Security”,
Inderscience publications (in press).ISSN:2042-3462

2. Jalesh Kumar and S Nirmala, “Securing information contents of the image – a parallel approach”, Int. J. of Information security, Elsevier publications, Volume 30, October 2016, pp. 105-117. <http://dx.doi.org/10.1016/j.jisa.2016.08.004>, ISSN print: 2214-2126

- **Conferences**

1. Jalesh Kumar, S.V.Sathyanaranaya, “Elliptic curve based stream cipher system”, PG-fest,NMAMIT, Nitte, 2004.
2. Jalesh Kumar, S.V.Sathyanaranaya, “Cipher feedback system for encryption”,proceedings of workshop on Cryptology, JNNCE,12-14 august 2005.
3. Jalesh Kumar,C.G.M.Vishwas, “Design of non-linear key sequence generator in cipher feedback system”, National conference on information security, Karunaya institute of tech. & science, Coimbatore, 25-26th November 2005.
4. Jalesh kumar, “design of non-linear key sequence using gaffe generator”, National conference on computation techniques, Dr. Mahalingam College of Engg.,Madurai,16th November, 2006.
5. S. Sreedevi and Jalesh Kumar, “Image Encryption using Galois Fields- A New Approach”, Proceedings of national conference on emerging trends in physics, electronics and engineering sciences, 25-26th September 2006 organized by JSS College of Arts, Commerce and Science, Mysore ISBN-81-8424-098-8.
6. D E Vedananda and Jalesh Kumar, “Star Sensor using UML CASE Tool”, Proceedings of national conference on emerging trends in physics, electronics and engineering sciences, 25-26th September 2006 organized by JSS College

- of Arts, Commerce and Science, Mysore ISBN-81-8424-098-
7. Jalesh Kumar and S. Nirmala, "Encryption of Images based on Genetic algorithm", Accepted for publication in Third International Conference on Communications Security and Information Assurance(CSIA), Delhi, India, May 2012,pp. 783-791.DOI:10.1007/978-3-642-30111-7_75, ISBN: 978-3-642-30111-7, ISSN:2194-5357
 8. Jalesh Kumar and S. Nirmala,"A Hybrid Approach for Enhancing the Security of Information Content of an Image", In: Multimedia Processing, Communication and Computing Applications, Lecture Notes in Electrical Engineering 213, DOI:10.1007/978-81-322-1143-3_14, Springer India 2013. ISBN:978-81-322-1142-6,ISSN:1876-1100
 9. Jalesh Kumar and S Nirmala, "A new light weight encryption approach to secure the contents of image", 2014 International Conference on Advances in Computing, Communications and Informatics, {ICACCI} 2014, Delhi, India, September 24-27, 2014, pp. 1309-1315. DOI:10.1109/ICACCI.2014.6968400, ISBN:978-1-4799-3078-4
 10. Jalesh Kumar and S Nirmala, " Securing the Document images with Knight Moves and Genetic Approach", 2015 International Conference on Advances in Computing, Communications and Informatics, {ICACCI} 2015, Aluva, kerala , August 10-13, 2015. pp.1091-1095, DOI:10.1109/ICACCI.2015.7275755, ISBN:978-1-4799-8790-0.
 11. A.B.Archana and Jalesh Kumar, "Location based semantic information retrieval from web documents using web crawler", International Conference on Applied and Theoretical Computing and Communication Technology (iCAcCT) 2015, Davangere, Karnataka, October 29-31,

2015.DOI:10.1109/ICATCCT.2015.7456912.

12. Jalesh Kumar and S Nirmala, "Multi Level Encryption Approach To Secure The Contents Of Image", NWC 2016, National workshop on Cryptology, JNNCE, Shimoga, August 11-13, 2016.
13. Jalesh Kumar and S Nirmala, "A Novel and Efficient Perceptual Image Encryption based on Knight Moves and Genetic operations", ICACIE 2016, springer, Bhuvaneshwar, Orissa. December 21-23,2016.
14. Jalesh kumar and S Nirmala, Random selection of Crossover Operation with Mutation for Image Encryption – A New Approach, 10th International Conference on Advanced Computing and Communication Technologies, 18th – 20th Nov. 2016, Panipat.