Dr. Vinodu George

Date of Birth: 15/05/1973

Date of joining at LBSCEK: 01/10/1997

Address:

OFFICE: **Professor and Dean**
                                 Computer Science and Engineering Department
                                 Lal Bahadur Shastri College of Engineering, Kasaragod

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Educational Qualifications:

Degree	Discipline	Institution/ University	Year
Ph.D.	Computer Science & Engineering	National Institute of Technology, Calicut	2014
M. Tech.	Computer Science & Engineering	National Institute of Technology, Calicut	2003
B. Tech.	Computer Engineering	Cochin University of Science & Technology	1997

Research Interest: E voting, Applied Cryptography, Theoretical Computer Science, Analysis of Algorithm, Cloud Computing

Teaching Experience: 24 years of teaching experience

Subjects Taught: Cryptography, Compiler Design, Cloud Computing

Publications

Journal

- Vinodu George and M P Sebastian, *"A Secure and Efficient Scheme for Remote Internet Voting"*, CSI Communications on ICT, Springer, Vol. 1, No. 3; September 2013, pp. 231–241.
- Vinodu George and M P Sebastian, *"A Secure and Efficient Scheme for Remote Poll Station Voting"*, International Journal of Electronic Government Research, IGI Global, Vol. 9, No. 4; October-December 2013, pp. 75-91. *(Impact Factor 1.7)*
- Vinodu George and M P Sebastian , *"An Adaptive Indexed Binary Search Tree for Efficient Homomorphic Coercion Resistant Voting Scheme"* International Journal of Managing Information Technology, Vol. 2, No. 1; 2010, pp. 1-9.
- Vinodu George and M P Sebastian, *"An Efficient Homomorphic Coercion Resistant and E2E Verifiable Voting Scheme"* Journal of Computer and Information Science, Vol. 3, No. 4; November 2010, pp. 125-130.

Conference

- Vinodu George and Shruthi Damodaran *"Secure and Dynamic Information Retrieval over Group Shared Encrypted Cloud Data"* in Proc. of the 4th International Conference on Recent Challenges in Engineering and Technology (ICRCET-18) at Pune, April 2018
- Vinodu George and Rukshana Jaleel J F*"Multi Keyword File Retrieval System Using Homomorphic Encryption"* in Proc. of the National Conference nCoreTech at LBS College of Engineering Kasaragod, February 2014
- Vinodu George and Masna A*"Secure Mobile Health Care"* in Proc. of the National Conference nCoreTech at LBS College of Engineering Kasaragod, February 2014
- Vinodu George and M P Sebastian, *"Implementing the Secure Remote Poll Station Voting: Challenges and Opportunities"*, in Proc. of the International Conference on Information Technology, Systems and Management (ITSM 2011), IIM Kozhikode.
- Vinodu George and M P Sebastian, "*An Adaptive Scheme for Secure and Efficient Voting Scheme,*" in Proc. of the International Conference on Ultra Modern Telecommunications (ICUMT 2009), St.-Petersburg, 12-14 October 2009
- Vinodu George and M P Sebastian, "*An Efficient Homomorphic Coercion Resistant Voting Scheme Using Hierarchical Binary Search Tree*", in Proc. World Congress on Computer Science and Information Engineering 2009 (CSIE 2009), Los Angeles, USA, pp. 502-507 (available online on IEEE Xplore).
- Vinodu George and M P Sebastian, "*An Efficient Homomorphic Coercion Resistant Voting Scheme Using Binary Search Tree*", in Proc. of the VI International Conference on Applied PKC (IWAP07), Edith Cowan University, Perth, Australia, pp. 56-64, December 2007.
- Vinodu George & Shajee Mohan B. S., "*High Speed and Secure Data Transmission Using Encrypted Text over Internet"*, Proc. of the National Conference on Cryptology, Cryptology Research Society of India (CRSI), Amrita Vishwa Vidyapeetham, September 2004.

- Vinodu George & Sanjay P K., *"Application of Probabilistic Secret Key Cryptography in SET"*, Proc. of the National Conference on "e-Services : Dream to Reality", Computer Society of India CSI), Hydrabad, August 2004.
- Vinodu George & Manilal S., *"Application of Fast Searching for Cluster Identification in Pattern Recognition"*, Proc. of the National Conference on Artificial Intelligence and Neural Networks, Centre for Mathematical Studies and Computer Application, Alwaye, March 2004.

List of Faculty Development/Short Term Program

Attended more than thirty Faculty Development and Short term trainings programmes

Membership in Professional Bodies

CRSI (Cryptology Research Society of India)	Life Member
CSI (Computer Society of India)	Life Member
ISTE (Indian Society for Technical Education)	Life Member

Major Responsibilities Taken

Administrative Works:

Nature of the Responsibility	Details
Expert Member ODOI Programme of K-DISC	District level expert panel member for the implementation of One District One Idea programme of K-DISC, Kerala Government
Mentor of the state level Young Innovators Programme of K-DISC (2018-21)	Selected as one of the state level Mentor for the Young Innovators Programme of K-DISC (2018-21) of Kerala Government
Dean	Dean Student Affairs from 2018 onwards
Coordinator, Entrepreneurship Development Cell	Coordinator of the Entrepreneurship Development Cell of LBS College of Engineering Kasaragod from November 2014 to December 2017
Coordinator, Preparation of Entrepreneurs Directory	Coordinator for the formation of Entrepreneurs Directory of LBS College of Engineering Kasaragod on October 2014 which is the first of its kind in any educational institutions in Kerala.
Chief Warden	Chief Warden for all hostels of LBS College of Engineering Kasaragod during April 2010 to November 2010 and June 2013 to May 2014
Coordinator, College Development Committee	Coordinator of College development committee, coordinating various college

	development activities, of LBS College of Engineering Kasaragod from January 2013 onwards
Head of the Department	Head of the department of Computer Science and Engineering Dept., LBS College of Engineering during January 2007 to December 2012
Coordinator- TEQIP	Coordinator of the World Bank assisted Technical Education Quality Improvement Program (TEQIP) of Government of India in LBS College of Engineering Kasaragod College from January 2004 to December 2009.

Technical/Academic Responsibilities

Nature of the Responsibility	Details
Coordinator, Academic Alliance Programme with EMC2	Coordinator of the Academic Alliance Programme with EMC2, who are the world leaders in storage solutions and LBS College of Engineering Kasaragod from 2009 onwards.
Subject Expert, for various Interview Boards	Subject Expert for various Interview Boards for the selection of candidates for technical posts in organizations like CPCRI Kasaragod, District Cooperative Bank, Kasaragod, Civil Station Kasaragod etc.
Expert Lecturers	Delivered expert lectures for various training programmes at institutions like College of Engineering Chengannur, Govt. Arts & Science College, Kasaragod, LBS Institute of Technology for Women, Thiruvananthapuram, Govt. Polytechnic College Periya etc.
Coordinator, Implementation of Campus wide Networking	Coordinator for the installation of Campus wide Networking at LBS College of Engineering Kasaragod which was a project of Rs. 30 lakh for providing OFC backbone and structured cabling all over the campus during 2005-06

Workshops/Training Programmes conducted

Nature of the Responsibility	Details
Conference Chair	Conference chair of the First international Conference on Advances in Security and Computing 2019 (ICASC 2019)
Coordinator, ACM Distinguished Speaker programme	Coordinator of the ACM Distinguished Speaker programme by Prof. Lakshmi Narasimhan, East Carolina University at LBSITW Poojappura on 15th January 2015
Coordinator, Workshop on Cloud Computing	Coordinator of the workshop on Cloud Computing by the experts from EMC2, Bangalore at LBS College of Engineering Kasaragod on 17th November 2014
Coordinator – STTP on "Project Design and UML"	Coordinator of the AICTE approved, ISTE sponsored Short Term Training Program (STTP) on "Project Design and UML" during the period September 27th – October 8th 2006 at LBS College of Engineering, Kasaragod
Coordinator – STTP on "Network security and Cryptography"	Coordinator of the AICTE approved, ISTE sponsored Short Term Training Program (STTP) on "Network security and Cryptography" during the period September 27th – October 8th 2004 at LBS College of Engineering, Kasaragod

University Responsibilities

Nature of the Responsibility	Details
Setting up of Question paper	Prepared question papers for KTU, Cochin, Kannur and Kerala Universities for various computer engineering subjects.
Member Syllabus Scrutinizing Committee,	Member Syllabus Scrutinizing Committee of M. Tech. CSIS, Kannur University
Member of the Syllabus Scrutinizing Committee	for M. Tech. in Computer Science and Information Security of Kannur University in the year 2013
Chairman, Syllabus Revision Committee, CSE Branch, Kannur University	Chairman of the Syllabus Revision Committee, CSE Branch of Kannur University during the period 2007-2010
Chairman, Board Examiners,	Chairman of Board of Examiners, CSE

CSE, Kannur University	branch, Kannur University during the period March 2007 to March 2010

Grants Fetched

Principal coordinator for the renovation of Network Lab of LBS College of Engineering Kasaragod under MODROBS – AICTE scheme. The approved grant is Rs. Twenty Lakh.

Major Consultancy works

Consultant for the implementation core banking at Kasaragod District Cooperative Bank having around fifty branches, which was a project of Rs. Five Crore.

Dr. Vinodu George