

Name:	Dr.Vijayanand K S	
Designation :	Professor	
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Educational Qualifications

Degree	Institute/University	Year	Specialization
B.Tech.	School of Engineering / Cochin University of Science and Technology	2002	Information Technology (IT)
M.Tech.	College of Engineering, Guindy/ Anna University, Chennai	2010	Computer Science and Engineering (CSE)
Ph.D.	College of Engineering, Guindy/ Anna University, Chennai	2018	Security in Cloud Computing
Areas of Academic Interest			
Operating System, Software Engineering, Cryptography, Cloud Computing			

Employment Record

Period	Institute	Designation
29/01/2004 to 15/02/2006	TKM Institute of Technology , Kollam	Lecturer in IT
16/02/2006 to 31/05/2011	Government Engineering College Idukki	Assistant Professor in IT
01/06/2011 to 15/07/2016	Government Engineering College Barton Hill	Assistant Professor in IT
17/07/2016 to 16/06/2017	Government Engineering College Idukki	Assistant Professor in IT
19/06/2017 to 15/02/2019	Government Engineering College Barton Hill	Assistant Professor in IT
16/02/2019 to 30/07/2024	Government Engineering College Barton Hill	Professor in IT
06/08/2024 to Till date	Government Engineering College Idukki	Professor in IT

Details of Research work (number of papers published in conferences and journals-SCI, SCIE, scopus, etc., M.Tech. and Ph.D. theses guided/guiding, sponsored projects, etc.):

Guided more than 10 M.Tech thesis in various areas like Cloud computing, Big data analysis and Wireless networks.

Major Academic Publications

1. Vijayanand K.S. and T.Mala., "A Framework for An Intelligent Job Migration in Hybrid Cloud Environment", Journal of Advances in Natural and Applied Sciences, 9(6): 1-6, 2015
2. Vijayanand K.S. and T.Mala, "Securing data in Multicloud Hybrid model using data splitting and encryption", International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.75 (2015)
3. Vijayanand K.S. and T.Mala,"ECiDS:EllipticCurve inspired Data Scrambling Method for Securing Data in Hybrid Cloud Using N-cloud Architecture", Asian Journal of Information Technology, 15(5):928-932, 2016
4. Vijayanand, KS & Mala, T 2017, 'SiDS: Sudoku inspired Data Scrambling Method for Securing Data in Cloud using N-cloud Architecture', Journal of Information Science and Engineering, Vol. 33 No. 3, pp. 713-725
5. Abhiraj P and Vijayanand K S, " A Semi-automated Analytical Methodology for Classification of Professionals for Big Data Job roles", International Journal of Engineering Research and Technology, vol.8 No.7, 2019
6. Gopika V and Vijayanand K S, "Task Scheduling in Cloud Computing: A Survey", International journal for Research in Applied Science and Engineering Technology, vol 8. No.5, 2020
7. Gopika V and Vijayanand K S, "Task Scheduling in Cloud, based on Three stage method using Historical data", International Journal for Research in Applied Science and Engineering Technology, vol 9, issue 3, March 2021.
8. AS Tasneem, AP Haripriya, KS Vijayanand, "Context-Aware QoS Prediction for Web Services Using Deep Learning",Intelligent Systems Design and Applications, Lecture Notes in Networks and Systems, vol 717, pp 547-555, 2023.

Paper Presentations in International / National Conferences

1. Vijayanand K S. , P Yogesh, "Compressive Data Gathering in Wireless Sensor Networks Using an Energy Aware AODV Protocol, "Proceeding of the International Conference on Recent Innovations in Technology (ICRIT-2011), R.I.T.,Govt.Engg.College, Kottayam, Kerala February 10-12, 2011 pp. 125-131
2. Vijayanand K.S.,T.Mala, "A Framework for Preserving Data Security in Hybrid Cloud Environment using Trusted Multiple Cloud Service Providers", Sixth IEEE international conference on advanced computing -ICoAC-2014, December 2014, MIT, Chennai
3. Vijayanand K S. , P Yogesh , "Energy Aware AODV Protocol with self adjusting RF link, for energy constrained Wireless Sensor Networks," Proceeding of the National Conference on Recent Innovations in Technology, RIT,Govt.Engg.College, Kottayam, Kerala(NRIT 2010) pp. 83-89, march 2010
4. Anju M.R., Vijayanand K.S., "A framework for on-demand Job Migration from Private Cloud to Public Cloud",NCET-2013, Govt.Engg.College, Barton Hill, Thiruvananthapuram.

5. Aiby A.K., Vijayanand K.S., "Document Retrieval System with Privacy Preservation in Cloud", NCET-2013, Govt. Engg. College, Barton Hill, Thiruvananthapuram.
6. Jishnu B, Moustafa Najm and Vijayanand K S, "A Survey on VM migration and Scheduling Algorithms in Geo-Distributed Data Center Framework", National Conference on Recent Trends in Computing and Communication February 26-27, 2018, Adi Shankara Institute of Engineering and Technology, Kalady, Kochi.
7. Neeraja A L, Vijayanand K S, "An emerging solution for the privacy concerns of data mining: PPDM", National Conference on Recent Trends in Computing and Communication February 26-27, 2018, Adi Shankara Institute of Engineering and Technology, Kalady, Kochi.
8. Surekha Yashodharan, Vijayanand K S, "Unveiling Stress: Smart System for Detecting and Addressing Psychological Stress in Educational Environments", 2nd International Conference on Recent Advances and Innovations in Science, Engineering, Technology and Management (iCRAISETM-2024), Solamalai College of Engineering, Madurai, Tamilnadu
9. Surekha Yashodharan, Dr. Vijayanand K S, "Recommendation System for Identifying Slow Learners: A Review", International Conference on Adaptive Technologies for Sustainable Growth (ICATS-2024) 9th Edition, Paavai Engineering College, Namakkal, Tamilnadu.

Phd Guideship

Centre of Research	Affiliation	No. of Ph.D produced	No. of scholars pursuing Ph.D	Vacancy
Government Engineering College Barton hill, Thiruvananthapuram	APJ Abdul Kalam Technological University, Kerala	Nil	3	5
Government Engineering College Idukki		Nil	Nil	

Responsibilities Undertaken at College/University level:

- Head of Information Technology Department in TKM Institute of Technology Kollam from 2004 to 2006
- Assistant Warden, College Hostels, in Government Engineering College, Idukki from 2006 to 2008
- Head of Information Technology Department in Government Engineering College, Idukki from 2010 to 2011
- Chairman, Examination (IT department), MG University from 2010 to 2011
- Curriculum committee member (IT department), MG University from 2010 to 2011
- KTU Coordinator, Government Engineering College, Bartonhill (2019 -2021)
- Curriculum Committee member (IT department), APJ Abdul Kalam Technological University, Kerala (KTU) for 2019 regulations
- Chairperson and Member, Board of Studies (Information Sciences), APJ Abdul Kalam Technological University, Kerala (KTU) (2021-2023).
- Head of Information Technology Department in Government Engineering College, Barton Hill, TVPM from September 2021 to August 2023
- Dean, PG studies, Government Engineering College Barton Hill from August 2023 to July 2024
- Head of Information Technology Department in Government Engineering Idukki, from August 2024 onwards

Other Notable Achievements:

- Peer reviewer for the journal IEEE Transaction on Cloud computing.
- Paper reviewer for IEEE international conference on Recent Advances in Intelligent Computational Systems (RAICS), 2020.
- Paper reviewer for IEEE International Conference on Communication, Control and Information Sciences, 2021, at Govt Engineering College, Idukki, Kerala.
- Organizing Committee member and Chairperson, Technical committee of Reboot Kerala Hackathon 2020, organized by Higher Education Department, Govt. of Kerala.