Dr. K. K. Kuriakose

Professor, Department of Computer Science & Engineering
Viswajyothi College of Engineering & Technology

1. **Qualification:**

	Degree	Year	Class	% of Marks	Institution	University/Board
S.S.L.C	S.S.L.C	1971	I	70.83	St.Joseph's High School Karimannur	Kerala
P.U.C.	PDC	1973	I	89.6	Newman College Thodupuzha	Kerala University
Degree	B.Sc.(Engg)	1978	I(Hons)	71.8	NIT, Calicut	Calicut University
P.G	Post Graduate Training	1979			BARC, Mumbai	BARC, Training School, Mumbai
P.G	M.E	1986	I	81.25	IISc, Bangalore	IISc, Bangalore
P.G	Diploma in Management	1998		70.6	IGNOU, New Delhi	IGNOU, New Delhi
P.G	Post Graduate Diploma in Management	1999		67.6	IGNOU, New Delhi	IGNOU, New Delhi
P.G	Post Graduate Diploma in Operations Management	1999		76.4	IGNOU, New Delhi	IGNOU, New Delhi
P.G.	MBA	2000		70.6	IGNOU, New Delhi	IGNOU, New Delhi
Ph.D	Ph.D	2014		90 (Courses)	HBNI, Mumbai IIT, Chennai (Courses)	HBNI, MUMBAI

2. **Scholarships/awards won   :**

Merit-cum-means scholarship (NIT, Calicut, 1973-1977)

Excellence in Science, Engineering and Technology Awards-Group Achievement Award 2011

3. **Last five jobs:**

Position& Organization	Period		Job Responsibility
	From	To	
Director , XIME, Chennai	2016	2017	Teaching & Administration
Professor, XIME, Bangalore	2015	2016	Teaching
Scientific Officer H, Head- Computer Division & Head- Knowledge Management Section, IGCAR	2012	2014	R&D,Development and implementation ofSoftware applications, Training Simulator, Knowledge Management, Operation & Maintenance of Computing Systems, Networks etc.
Scientific Officer G, Head- Knowledge Management Section, IGCAR	2003	2012	R&D, Development and implementation of PFBR training simulator , Development and operation of Knowledge Management Systems etc.
Scientific Officer F, Head- Projects and Materials Management Section, IGCAR	1996	2003	Development & Implementation of Purchase Management Information System, Purchase status information system, implementation and maintenance of databases, networks and various application software.

4. **Last Job with job responsibility:**

I have retired from IGCAR on 31-05-2014. I was heading the Computer Division with about 60 people. Computer Division consists of Simulator Section, Computing Systems Section, Networking Section, and Knowledge Management Section. The major responsibilities of Computer Division are procurement, installation , commissioning, operation and maintenance of Highperformance Computing Systems,   providing data communication facilities like internet/email, development and commissioning of PFBR Operator Training Simulator, providing knowledge management services, and various R&D activities in the area of 3D modeling, animation, walkthrough, wireless sensor networks etc.

After retirement from IGCAR I had worked at XIME Bangalore/Chennai initially as Professor and subsequently as Director

5. **General :**

I have given a high priority to studies and consistently obtained more than 70% marks since 10th standard. I had my education in institutions like NIT, IISc, IIT, IGNOU & HBNI. My career with Department of Atomic Energy started in 1978 after my graduation from NIT Calicut in Electrical Engineering. On selection to the prestigious BARC Training School in Mumbai, I have

undergone one year rigorous training in Nuclear Engineering. After the training I was posted at Indira Gandhi Centre for Atomic Research(IGCAR) at Kalpakkam as Scientific officer 'C' -a Class I gazetted post, in 1979.I have continued my Research, Development and Project execution work at IGCAR in different areas of Technology and Management. I have retired as Scientific Officer 'H' and Head of Computer Division& Knowledge Management Section. Throughout my career I haven't stopped learning and have gone on to complete my masters in engineering from IISc. Bangalore with specialization in Computer Science (**Project: Real-time Operating System-based Software Development**). Also I have completed another masters in business management from IGNOU (**Project : Purchase Management Information System**) and I have completed my doctorate from HBNI in the area of Knowledge Management**.** My thesis was titled**"Information Technology and Knowledge Engineering Centric Knowledge Management: A Maturity Model based Key Maturity Indicators"**

6. **Languages known**

Speak	Read	Write
English	English	English
Malayalam	Malayalam	Malayalam
Tamil		
Hindi		

Annexures:

- Publications

- Presentations(Invited Talks/Conference Presentations)

- Trainings attended

- Responsibilities in committees

Publications

Journal Publications

1. "Assessment of Knowledge Management Maturity in an R&D Organization", **K.K.Kuriakose**, Baldev Raj, R.Malathi, V.Parameswaran, S.A.V.SatyaMurty , Journal of Knowledge Management Practice, Vol 12. No 4. December,2011

2. "Knowledge Management Maturity Model: An Engineering Approach" **K.K. Kuriakose**, Baldev Raj, S.A.V. SatyaMurty and P. Swaminathan, Journal of Knowledge Management Practice, vol 12, No.2, June,2011.

3. "Knowledge Management in Fast Reactors" **K.K. Kuriakose,** S.A.V. SatyaMurty, P. Swaminathan and Baldev Raj, Elsevier Energy Procedia , 7(2011), 672-677.

4. "Knowledge Management Maturity Models –A Morphological Analysis" **K.K. Kuriakose**, Baldev Raj, S.A.V. SatyaMurty and P. Swaminathan, Journal of Knowledge Management Practice, vol 11, No.3, September,2010.

5. "Formal Representation of Knowledge using Z in Fast Breeder Test Reactor" BinduSankar, H.Seetha, **K.K. Kuriakose**, S.A.V. Satyamurty and P. Swaminathan, "Int. J. Nuclear Knowledge Management"Vol. 3, No.3, 2009.

6. "Study of Different Crossover Mechanisms of Genetic Algorithm for Test Interval Optimization for Nuclear Power Plants", Molly Mehra, M.L.Jayalal, A. John Arul, S.Rajeswari, **K.K.Kuriakose**, S.A.V.SatyaMurty, International Journal of Intelligent Systems, 2014, 01, 20-28

7. "Exploiting SIMD Instructions in Modern Microprocessors to optimize the performance of Stream Ciphers",P. MabinJoseph,J.Rajan, **K.K.Kuriakose**, S.A.V SatyaMurty, International Journal of Computer Network and Information Security(IJCNIS),Vol 5, No. 6, pp 56-66, May 2013

8. "Design and Development of Genetic Algorithm for Test Interval Optimization of Safety Critical System for a Nuclear Power Plant", Molly Mehra,M.L.Jayalal, A. John Arul,

S.Rajeswari, **K.K. Kuriakose**, S.A.V. SatyaMurty, Trends in Innovative Computing 2012 - Intelligent Systems Design, pp 166-170, Nov 2012

9. "Modelling of Synchroscope in the context of PFBR Operator Training Simulator", B. SubbaRaju, K.Vijaykumar, T.S.Kavithamani, RashmiNawalaka, N. Jasmine, H. Seetha, T. Jayanthi, **K.K.Kuriakose,** S.A.V.SatyaMurty, Special issue of International Journal of Systems, Algorithams and Applications(IJSAA), Vol 2, Iss. ICRAET12, pp 31-34, May 2012

10. "Process Modeling and Simulation of Feed water Heaters Drains and Vents System of PFBR", T.LakshmiPriyanka, K.R.S. Narayanan, T. Jayanthi, **K.K.Kuriakose**, S.A.V.SatyaMurty, published in International Journal of Intelligent Systems and Applications(IJISA), PP.62-69, Pub. Date: 2013-10-1, DOI: 10.5815/ijisa.2013.11.07, ISSN: 2074-904X (Print), ISSN: 2074-9058

Conference Publications

1. "Enabling Factors of Knowledge Management: A study in the context of a Fast Reactor Research and Development Organization", **K.K.Kuriakose**, R. Malathi, V. Parameswaran and S.A.V.SatyaMurty, International Conference on Fast Reactors and Related Fuel Cycles: Safe Technologies and Sustainable Scenarios (FR-13), Paris, France, 4-7 March, 2013

2. "The Role of *Ba* in Knowledge Creation and Innovation in the Context of an R&D Organization", **K.K.Kuriakose**, R. Malathi, V.Parameswaran, and S.A.V. SatyaMurty, 8th National Conference on Recent Advances in Information Technology(READIT), 28-29, December 2011, Kalpakkam.

3. "Knowledge Management Drivers- A Case Study of an R&D Organization", R. Malathi, V.Parameswaran, **K.K.Kuriakose**, and S.A.V. SatyaMurty, 8th National Conference on Recent Advances in Information Technology(READIT), 28-29, December 2011, Kalpakkam.

4. "The Role of Information and Communication Technology in Managing Organizational Knowledge- A Case Study of an R&D Organization", V.Parameswaran, R. Malathi, **K.K.Kuriakose**, and S.A.V. SatyaMurty, 8th National Conference on Recent Advances in Information Technology(READIT), 28-29, December 2011, Kalpakkam

5. "Knowledge Management, Knowledge Sharing and Coopetition-A Case Study" **K.K. Kuriakose**, R. Malathi, V. parameswaran, S.A.V. SatyaMurty and P. Swaminathan, Proceedings of 7th National Conference on Recent Advances in Information Science and Technology- READIT 2009, 29-30 Dec. 2009, Kalpakkam.

6. "Knowledge Management, An Organization's Perspective" R. Malathi, V. Parameswaran, **K.K. Kuriakose,** S.A.V. SatyaMurty and P. Swaminathan, Proceedings of 7th National Conference on Recent Advances in Information Science and Technology- READIT 2009, 29-30 Dec. 2009, Kalpakkam.

7. "Knowledge Communication –The Critical Process in Knowledge Management" **K.K.Kuriakose**, H.Seetha, S.A.V.SatyaMurty, S.Athinarayanan and P.Swaminathan, "Proceedings of National Conference on Trends in Information Technology and Communication",14,March, 2008, Velammal Engineering College, Chennai

8. "Study of Critical Success Factors in Knowledge Management Implementation" **K.K.Kuriakose**, H.Seetha, S.A.V.SatyaMurty, S.Athinarayanan and P.Swaminathan "Proceedings of National Conference on Education and Research ConfER '2008" ,27-29,March,2008, VIT University Vellore.

9. "Information Technology Challenges in Knowledge Management" **K.K.Kuriakose**, Baldev Raj, S.A.V.SatyaMurty, P.Swaminathan "Proceedings of Role of IT-Enabled Knowledge Management in Growth of India", 24-26,July, 2008

10. "Knowledge Management – A Critical Review", **K.K.Kuriakose**, H.Seetha, S.A.V.SatyaMurty, S.Athinarayanan and P.Swaminathan, DAE Vision for Information Exchange, BARC , Mumbai, 2006

11. "Information and Knowledge Management System for Maintenance of Personal Computers and Peripherals of a Research Organization"- **K.K.Kuriakose**, V.Sivasankar, S.A.V.SatyaMurty, S.Athinarayanan, P.Swaminathan, *Proceedings of International conference on Trendz in information sciences and computing 2007*, 12-14, December 2007, Sathyabama University, Chennai.

12. "Modeling and Simulation of Electrical Systems of Nuclear Power Plant Training Simulator", **K.K.Kuriakose**,K.Vijayakumar, T.S.Kavithamani, J.Rajan, H.Seetha,

S.Ananthanarayanan, S.A.V. SatyaMurty, S.Athinarayanan and P.Swaminathan; Proceedings of *International Conference on Trends in Intelligent Electronic Systems*, 12-14, November 2007, Sathyabama University , Chennai

13. "Modeling of Class IV Electrical Systems of Nuclear Power Plant Training Simulator", **K.K.Kuriakose**,K.Vijayakumar, T.S.Kavithamani, J.Rajan, H.Seetha, S.Ananthanarayanan, S.A.V. SatyaMurty, S.Athinarayanan and P.Swaminathan, Proceedings of*51st Annual Conference of International Society for the Systems Sciences*, August 5-10, 2007, Tokyo Institute of Technology, Tokyo, Japan.

14. "Knowledge Mapping- An Enabling Factor for Effective Knowledge Communication in an Organization", **K.K.Kuriakose**, H.Seetha, S.A.V.SatyaMurty, P.Swaminathan and Baldev Raj, *International Conference on Knowledge Generation, Communication and Management KGCM 2007*, 8-11,July 2007, International Institute of Informatics and Systemics , Orlando, Florida, USA(Accepted for oral presentation and publication in conference proceedings)

15. "From Management of Organizational Knowledge to Management of Organizational Memory**"** **K.K.Kuriakose**, H.Seetha, S.A.V.SatyaMurty, S.Athinarayanan and P.Swaminathan; "Proceedings of Conference on Recent Advances in Information Science & Technology, READIT 2007, 12-13, July, 2007, Madras Library Association, IGCAR, Kalpakkam .

16. "Knowledge Management – The Challenges", **K.K.Kuriakose**, S.A.V.SatyaMurty, S.Athinarayanan& P. Swaminathan, DAE Vision for Information Exchange-2006

17. "Advances in Knowledge Management" , **K.K.Kuriakose**, S.A.V.SatyaMurty, S.Athinarayanan& P. Swaminathan, "Proceedings of National Conference on Recent Advances in Information Science & Technology, READIT 2005

18. *"Modeling and Simulation of Operator Training Simulator for Prototype Fast Breeder Reactor"*, T.Jayanthi, **K.K.Kuriakose**, P. Selvaraj, S.A.V. SatyaMurty, International Conference on Fast Reactors and Related Fuel Cycles: Safe Technologies and Sustainable Scenarios (FR-13), Paris, France, 4-7 March, 2013

19. *"Simulation of isolated operation of Turbo Generator in the Context of PFBR Operator Training Simulator"*, B. SubbaRaju,K.Vijaykumar,KRS Narayanan, H. Seetha, T. Jayanthi,**K.Kuriakose,** S.A.V.SatyaMurty, International Conference on Advanced

Computer Sciences, Communication and Information Technologies(ICACST-2012), Sep, 2012

20. *"Operator Training Simulators for Nuclear Power Plants: An Overview"*, T.Jayanthi,K.Velusamy, **K.K.Kuriakose**,S.A.V.SatyaMurty, Sangoshthi-2012, Dec 21-23, 2012, BHAVINI, Kalpakkam.

21. *"Performance Evaluation and Verification and Validation of Simulated Process Models"*,T.Jayanthi,gbyH.Seetha, K.R.S.Narayanan,BinduSankar, jaideepChakraborthy, SubbaRaju, **K.K.Kuriakose**,S.A.V.SatyaMurty, Sangoshthi-2012, Dec 21-23, 2012, BHAVINI, Kalpakkam.

22. *"Simulation and Testing of Plant Startup Procedure using PFBR Operator Training Simulator"*, K.R.S.Narayanan, Lakshmi Priyanka, Ragava Reddy, H.Seetha, T.Jayanthi, **K.K.Kuriakose**,S.A.V.SatyaMurty,Sangoshthi-2012, Dec 21-23, 2012, BHAVINI, Kalpakkam.

23. *"Design and Development of a cross platform data communication framework for full scope replica PFBR Operator Training Simulator"*, JaideepChakraborty, Nakul Raj Sethi, BinduSankar, T.Jayanthi, **K.K.Kuriakose**,S.A.V.SatyaMurty, Sangoshthi-2012, Dec 21-23, 2012, BHAVINI, Kalpakkam.

24. *"Process Modeling and Simulation of Feed water Heaters Drains and Vents System"*, T. Lakshmi Priyanka, K.R.S. Narayanan, Ragava Reddy, M.UmaMaheswari, T. Jayanthi, **K.K.Kuriakose**,S.A.V.SatyaMurty,Sangoshthi-2012, Dec 21-23, 2012, BHAVINI, Kalpakkam.

25. *"Design and Development of Real Time Graphical User Interface for Nuclear Core Temperature Monitoring System"*, Nakul Raj Sethi, JaideepChakraborthy, D.N.V.RSubrahmanyam, H.Seetha, T.Jayanthi, **K.K.Kuriakose**,S.A.V.SatyaMurty, Sangoshthi-2012, Dec 21-23, 2012, BHAVINI, Kalpakkam.

26. *"Modeling and Emulation of Control Panel Instruments for PFBR Operator Training Simulator"*, H. Seetha, N.Jasmine, M.UmaMaheswari, T. Jayanthi, **K.K.Kuriakose**,S.A.V.SatyaMurty, Sangoshthi-2012, Dec 21-23, 2012, BHAVINI, Kalpakkam.

27. *"Modern Processor Architectures and Programming Models for High Performance Computing"*, R. Jehadeesan, S.Rajeswari, **K.K.Kuriakose**,S.A.V.SatyaMurty, Sangoshthi-2012, Dec 21-23, 2012, BHAVINI, Kalpakkam.

28. *"Implementation of a Checkpoint/Restart Solution for HPC Applications"*, SujaRamachandran, M.L. Jayalal, R.Jehadeesan, S.Rajeswari, **K.K.Kuriakose**,S.A.V.SatyaMurty, Sangoshthi-2012, Dec 21-23, 2012, BHAVINI, Kalpakkam.

29. *"File System Performance Bench marking in High Performance Computing Environment"*, M.L. Jayalal, R.Jehadeesan, S.Rajeswari, **K.K.Kuriakose**, S.A.V.SatyaMurty,Sangoshthi-2012, Dec 21-23, 2012, BHAVINI, Kalpakkam.

30. **"***An Intra Departmental Computing Grid"* , S.Rajeswari, SujaRamachandran, SujithJayadev, M.L. Jayalal, R. Jehadeesan, **K.K.Kuriakose**,S.A.V.SatyaMurty,Sangoshthi-2012, Dec 21-23, 2012, BHAVINI, Kalpakkam.

31. *"Optimization of Surveillance Interval for safety critical systems of PFBR using Genetic Algoritham"*, S.Rajeswari, Molly Mehera, M.L. Jayalal, R. Jehadeesan, **K.K.Kuriakose**,S.A.V.SatyaMurty, Sangoshthi-2012, Dec 21-23, 2012, BHAVINI, Kalpakkam.

32. *"The Role of Computational Intelligence in Nuclear Power Plants"*, S.Rajeswari, **K.K.Kuriakose**,S.A.V.SatyaMurty, Sangoshthi-2012, 21-23, Dec, 2012BHAVINI, Kalpakkam.

33. **"***Spam Filtering for Mail Exchangers"*, J.Rajan,**K.K.Kuriakose**,S.A.V.SatyaMurty,Sangoshthi-2012, Dec 21-23, 2012, BHAVINI, Kalpakkam.

34. **"***High Performance Computing Cluster monitoring system"*, V. SrinivasaRao, N. Radhakrishnan, Ibrahim Khan, V.Sivasankar, M.L. Jayalal, S.Rajeswari, **K.K.Kuriakose**,.S.A.V.SatyaMurty,Sangoshthi-2012, Dec 21-23, 2012, BHAVINI, Kalpakkam.

35. **"***An Efficient algorithm for Encryption using Incremental Cryptography"*, Prasanth Kumar Thandra, Mobin Joseph, J.Rajan, **K.K.Kuriakose**,S.A.V.SatyaMurty,Sangoshthi-2012, Dec 21-23, 2012, BHAVINI, Kalpakkam.

36. "*Improving information security using IP Tables*", A. SambasivaRao, J.Rajan, **K.K.Kuriakose**, S.A.V.SatyaMurty,Sangoshthi-2012, Dec 21-23, 2012, BHAVINI, Kalpakkam.

37. *"An approach to conduct Information Security Auditing"*, R. Anusooya, J. rajan, **K.K.Kuriakose**,S.A.V.SatyaMurty,Sangoshthi-2012, Dec 21-23, 2012, BHAVINI, Kalpakkam.

38. *"Management issues of Wireless Sensor Networks"*, T.S.Krishnan, Sukanth Kothari, Jemimah Ebenezer, **K.K.Kuriakose**,S.A.V.SatyaMurty,Sangoshthi-2012, Dec 21-23, 2012, BHAVINI, Kalpakkam.

39. *"Design and Development of 802.15.4 based media access control",* Sukant Kothari, Jemimah Ebenezer, **K.K.Kuriakose**,S.A.V.SatyaMurty,Sangoshthi-2012, Dec 21-23, 2012, BHAVINI, Kalpakkam.

40. *"Study on Effect of Radiation Shielding RCB Wall on RF Signal"*, Vinita Daiya, Jemimah Ebenezer, **K.K.Kuriakose**,S.A.V.SatyaMurty,Sangoshthi-2012, Dec 21-23, 2012, BHAVINI, Kalpakkam.

41. "*Knowledge Dissemination Techniques: An overview*", **K.K.Kuriakose**, R.Malathi, B.SubbaRaju, V.Parameswaran and S.A.V.SatyaMurty, READIT 2013, Dec 18-19, 2013, IGCAR, Kalpakkam

42. "*Cloud Computing – Is it a reliable Solution to our Organisation*", S.Rajeswari, **K.K.Kuriakose**, S.A.V.Satyamurty, READIT 2013, Dec 18-19, 2013, IGCAR, Kalpakkam

43. "*Private Cloud for Scientific Computing: Challenges and Implementation Strategies*" - R. Jehadeesan, S. Rajeswari, **K.K. Kuriakose**, S.A.V.SatyaMurty, READIT 2013 Dec 18-19, 2013, IGCAR, Kalpakkam

44. "*Knowledge Discovery Using Genetic Algorithms: A Study"* - M.L.Jayalal, S.Rajeswari, **K.K.Kuriakose**, S.A.V.SatyaMurty, READIT 2013 Dec 18-19, 2013, IGCAR, Kalpakkam

45. *"Organizational E-Mail Log Meta data Analysis and its demystification"* - R.Anusooya, V. Sivasankar, J.Rajan, **K.K.Kuriakose**, S.A.V.SatyaMurty, READIT 2013 Dec 18-19, 2013 IGCAR, Kalpakkam

46. *"Knowledge Management Portal for PFBR Construction*" - K.Vijayakumar, V.Parameswaran, J.Rajan, **K.K.Kuriakose**, S.A.V.SatyaMurty, READIT 2013, Dec 18-19, 2013 IGCAR, Kalpakkam

47. *"Implementation of biometric login system for secure web access – A Case study"* - A.SambasivaRao, R.Anusooya, J.Rajan, **K.K.Kuriakose** and S.A.V.SatyaMurty, READIT 2013 Dec 18-19, 2013, IGCAR, Kalpakkam

48. *"Methods of sharing and preservation of tacit knowledge"* - R.Malathi, **K.K.Kuriakose**, B.SubbaRaju, V.Parameswaran and S.A.V.SatyaMurty, READIT 2013, Dec 18-19, 2013 IGCAR, Kalpakkam

49. *"A Monitoring Tool for Parallel LustreFilesystem in HPC Cluster"* - SujaRamachandran, M.L.Jayalal, R.Jehadeesan, S.Rajeswari, **K.K.Kuriakose**, S.A.V. Satyamurty, READIT 2013 Dec 18-19, 2013, IGCAR, Kalpakkam

50. *"Intelligent Web Mining Techniques - Molly Mehra",*S.Rajeswari, **K.K.Kuriakose**, S.A.V.SatyaMurty, READIT 2013 Dec 18-19, 2013, IGCAR, Kalpakkam

51. *"Knowledge Management Portal- A case study"* - B. SubbaRaju, R. Malathi,V.Parameswaran, **K.K.Kuriakose**, S.A.V. SatyaMurty, READIT 2013, Dec 18-19, 2013, IGCAR, Kalpakkam

52. *"Role of Social Networking in Knowledge Management"* - Parameswaran V., Malathi R., SubbaRaju B., **Kuriakose K.K**., SatyaMurty S.A.V., READIT 2013, Dec 18-19, 2013, IGCAR, Kalpakkam

53. *"Private cloud computing infrastructure for an Organization"* - V. Sivasankar, D. Thirupurasundari, S. Rajeswari, **K.K Kuriakose**. S.A.V SatyaMurty, READIT 2013 Dec 18-19, 2013, IGCAR, Kalpakkam

54. *"Virtualization of High Performance Computing infrastructure: An overview"* - D.Thirupurasundari, V. Sivasankar, S.Rajeswari, **K.K.Kuriakose** and S.A.V.SatyaMurty, READIT 2013, Dec 18-19, 2013, IGCAR, Kalpakkam

Other Publications

1. *"Knowledge Management Concepts",***K.K.Kuriakose**, Newsletter of Institution of Engineers(I), Kalpakkam chapter, February 2005

2. *"Purchase Management Information System for MRPU"*, **K.K.Kuriakose**, et al.,IGC Newsletter

3. *"Implementation of Purchase Status Information through IGCNET",***K.K.Kuriakose,** et al., IGC Newsletter

4. *"Design Development of Commissioning of Electrical Sub-system of PFBR Operator Training simulator",***K.K.Kuriakose,** et al., IGC Newsletter

5. *"Knowledge Management",***K.K.Kuriakose,** et al., IGC Newsletter.

6. *"Software Requirement Specification for Electrical System of PFBR Training Simulator"* **K.K.Kuriakose**Jemimah Ebenezer J.RajanK.VijaykumarKavithamani T.S. July-2006

7. *"Configuration of Blade Server Based Cluster using ROCKS"* V.SivasankarM.L.JayalalR.JehadeesanS.Rajeswari**K.K.Kuriakose**S.A.V.SatyaMurty IGCAR/EIRSG/CD/CSS/HPC/05 May-2013

8. *"Using Different MPI Implementations in IGCAR NEHA Cluster",* SujaRamachandranM.L.JayalalR.JehadeesanS.Rajeswari**K.K.Kuriakose**S.A.V.SatyaMurty IGCAR/CD/CSS/HPC/04 May-2013

9. *"Prototype Ethernet gateway board"* D.BaghyalakshmiSukant Kothari Jemimah Ebenezer, **K.K.Kuriakose** ,S.A.V.SatyaMurty IGCAR/EIRSG/CD WSN/32 September-2012

10. *"Signal Conditioning circuit board with multiplexer for temperature monitoring at FBTR"* D.Baghyalakshmi, Jemimah Ebenezer, **K.K.Kuriakose**, S.A.V.SatyaMurty IGCAR/EIRSG/CD WSN/33 January-2013

11. *"FBTR WSN Deployment report"* Sukant Kothari D.Baghyalakshmi Vinita DaiyaT.S.Shri Krishnan Jemimah Ebenezer S.Sridhar**K.K.Kuriakose** IGCAR/EIRSG/CD WSN/38 June-2013

12. *"Implementation of wireless sensor network for temperature and humidity monitoring"* D.Baghyalakshmi, T.Chandran, Jemimah Ebenezer M.Shanmugavel, **K.K.Kuriakose,**K.K.Rajan, S.A.V.SatyaMurty IGC/FRTG/99142/EX/3070/REV/A July-2013.

13. *"Proposal for implementing the wireless sensor network based sodium leak system in INSOT facility",* G.Sandhya Rani, T.Chandran, R.VijayaLaxmi, Jemimah Ebenezer, M.Shanmugavel, **K.K.Kuriakose,**K.K.Rajan, S.A.V.SatyaMurty IGC/FRTG/ID&SD/99136/EX/3060/REV-A July-2012.

14. *"Proposal for implementing the wireless sensor network based sodium leak detection system in INSOT facility",*G.Sandhya Rani, R.VijayaLaxmi, T.Chandran, JemimahEbeneze,rM.Shanmugavel, **K.K.Kuriakose**, K.K.Rajan, S.A.V.SatyaMurty /FRTG/ID&SD/99136/EX/3060/REV-B September-2012.

15. *"Performance report on wireless sensor networking system for sodium leak detection at INSOT during loop shut down condition"* G.Sandhya Rani, T.Chandran, R.VijayaLaxmi, Jemimah Ebenezer, M.Shanmugavel, **K.K.Kuriakose,**K.K.Rajan, S.A.V.SatyaMurty IGC/FRTG/ID&SD/IFS/99136/ON/3069/REV-A April-2013

16. *"Hardware details of Industrial grade wireless sensor node with ARM Processor and XBee-Pro Radio(IWAX)",* G.Sandhya Rani, JemimahEbeneze,r**K.K.Kuriakose,**S.A.V.SatyaMurty, IGCAR/EIRSG/CD/WSN/42 May-2013

17. *"Hardware details of Industrial grade Sodium Leak alarm PCB for IWAX",*G.Sandhya Rani, Jemimah Ebenezer, **K.K.Kuriakose,**S.A.V.SatyaMurty IGCAR/EIRSG/CD/WSN/45 June-2013

Presentations

Sl. No.	Type	Topic	Conference	Institute/College	Date
1	Conference Presentation	Knowledge Dissemination Techniques- An Overview	Recent Advances in Information Technology-2013	IGCAR Kalpakkam	19-12-2013
2	Meeting Presentation	Fast Reactor Knowledge Management at IGCAR	IAEA Technical Meeting	IAEA, Vienna, Austria	03-12-2013
3	Invited Talk	Knowledge Management : Past, Present and Future	State Level Seminar on Recent Trends in Computing	S.A. Engineering College, Chennai	06-09-2013
4	Invited Talk	Networking and Communication Technologies: Developments and Impact on Humanity	Third National Conference on Communication Networks and Sensor Technology	Hindustan University , Chennai	11-04-2013
5	Invited Talk	Knowledge Management Perspectives	Conference on Recent Trends in Computer and Networking Technologies- **Sangoshthi 2012**	BHAVINI, Kalpakkam	21-12-2012
6	Meeting Presentation	Knowledge Management: Development of a Maturity Model	CD Technical Meeting	IGCAR, Kalpakkam	19-07-2012
7	Chief Guest (Inaugural Address)	Computing, Communication and Networking Technologies	National Conference on Computing, Communication and Networking Technologies	Velammal Engineering College, Chennai	04-03-2011
8	Conference Presentation	The Role of *Ba* in Knowledge Creation and Innovation in the Context of an R&D	Recent Advances in Information Technology-2011	IGCAR, Kalpakkam	29-12-2011

		Organization			
9	Meeting Presentation	Fast Reactor Knowledge Management at IGCAR	IAEA Technical Meeting	IAEA, Vienna, Austria	07-12-2011
10	Meeting Presentation	Knowledge Management System for Computer Division	CD Technical Meeting	IGCAR, Kalpakkam	05-01-2011
11	Conference Presentation	Knowledge Management Knowledge Sharing and Coopetition- A Case Study	Recent Advances in Information Technology-2009	IGCAR, Kalpakkam	30-12-2009
12	Conference Presentation	Information Technology Challenges in Knowledge Management	Role of IT-Enabled Knowledge Management in Growth of India- **Sangoshthi 2008**	IGCAR, Kalpakkam	25-07-2008
13	Meeting Presentation	Information Technology Challenges in Knowledge Management	CD Technical Meeting	IGCAR, Kalpakkam	23-07-2008
14	Conference Presentation	Study of Critical Success Factors in Knowledge Management Implementation	National Conference on Education and Research	VIT University, Vellore	28-03-2008
15	Conference Presentation	Knowledge Communication – The Critical Process in Knowledge Management	National Conference on Trends in Information Technology and Communication	Velammal Engineering College, Chennai	14-03-2008
16	Meeting Presentation	Knowledge Management System for Computer Division	CD Technical Meeting	IGCAR, Kalpakkam	11-01-2008
17	Conference Presentation	Information and Knowledge Management System for Maintenance of Personal Computers and Peripherals of a Research Organization	International conference on Trendz in information sciences and computing	Sathyabama University, Chennai	14-12-2007

18	Conference Presentation	Modeling and Simulation of Electrical Systems of Nuclear Power Plant Training Simulator	International Conference on Trends in Intelligent Electronic Systems	Sathyabama University, Chennai	14-11-2007
19	Conference Presentation	From Management of Organizational Knowledge to Management of Organizational Memory	Recent Advances in Information Technology-2007	IGCAR, Kalpakkam	12-07-2007
20	Meeting Presentation	Knowledge Management System for Computer Division	CD Technical Meeting	IGCAR, Kalpakkam	22-02-2007
21	Conference Presentation	Enterprise Management Information System-The Challenges	Indian Conference on Intelligence Systems ICIS 07	DMI College of Engineering, Chennai	20-01-2007
22	Training Lecture	Knowledge Management	Management Development Training	IGCAR, Kalpakkam	18-12-2006
23	Meeting Presentation	Quality Circle-Concepts & Tools	CD Technical Meeting	IGCAR, Kalpakkam	28-07-2006
24	Meeting Presentation	Knowledge Management System: An Introduction	CD Technical Meeting	IGCAR, Kalpakkam	29-03-2006
25	Conference Presentation	Advances in Knowledge Management	Recent Advances in Information Technology-2005	IGCAR, Kalpakkam	14-07-2005
26	Meeting Presentation	Knowledge Management Concepts	IE Technical Meeting	Institution of Engineers, Kalpakkam	2005
27	Invited Talk	Knowledge Management : A Case Study	IEEE Seminar	Crescent Engineering College, Chennai	12-10-2004

Trainings Attended

Sl. No	Name of Training	Organization	Place	Period
1	KM-India- The Knowledge Summit	KM India	Chennai	December 2010
2	KM-India- The Knowledge Summit	KM India	New Delhi	12-14, November, 2007
3	Workshop on Knowledge Management	Central Power Research Institute & International Institute of Information Technology	Bangalore	19-20, April 2007
4	IT Enabled Knowledge Management	Administrative Staff College of India	Hyderabad	26-28, February 2007

Responsibilities in Committees

Sl. No	Name of the Committee	Position	Period
1	Value Engineering Committee (Computers&Networks)	Chairman	2012-2014
2	Committee for Information and knowledge Management, IGCAR	Member - Secretary	2011-2014
3	Knowledge Management Committee, EIG	Convenor	2011-2014
4	OCES/DGFS Selection Committee-Computer Science	Member	2009-2011
5	Committee for Integrated Materials Management	Member - Secretary	2001-2003
6	Task Force for Comprehensive Project Monitoring and Database Management System	Member	1994-2003
7	Task Force for Y2K	Member	1999-2000