Dr Priyesh Kanungo
Flat No 5, Multi No-1,University Professors' Qtrs
Khandwa Road (Takshila Campus), Indore, India-452001
Email: priyeshkanungo@hotmail.com

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1. *Qualifications*

- **Ph. D. (Computer Engg.)** from I.E.T., D.A.V.V. in May, 2007
- **M.E. (Computer Engg.),** SGSITS in Ist Div with Distn in 1988 **received GATE Scholarship.**
- **B.E. (Industrial and Production Engg.),** SGSITS in Ist Div with Distn in1986 (**II Position in University**), Received **National Merit Scholarship** for five Years for pursuing BE.
- **HSSC exam from MP Board, Bhopal** in Ist Div (with Distn in 4 subjects), Received **M K Kulkarni** award

Additional Qualifications

- **M. Phil (Computer Sc.), SCS DAVV,** in Ist Div with Distn in 1992

2. *Experience***:**

(i) **Present Post: Professor and Senior Systems Engineer** SCSIT, DAVV, Indore in grade 37400-67000+AGP Rs 10000/- (Since June 2001)

(i) Past *Experience***:**

- **Principal,** Patel College of Science and Technology, Ralamandal, Indore-452020 from 23-09-2009 to 21-09-2011 (on Two years leave from DAVV).
- **Professor and Head (Computer Centre), DAVV, Indore** from 02 April 2008 to 23 Sept 09 (1.5 years).
- **Reader and Systems Engineer** in SCS, DAVV from 01-06-93 to 01-06-2001 (08 years).
- **Lecturer and Software Engineer/Maintenance Engineer in SCS, DAVV** from 19-01-88 to 30-04-93 (05 years).
- **Total Teaching exp: More than 25 years in BE, ME, M Tech, Ph D, MCA, MSc (CS) and MBA etc. courses.**

3. *Teaching and other Academic Activities*:

- Ph. D. Coursework classes in Computer Engineering (IET-DAVV), Computer Science (SCSIT), Management (Institute of Management Studies), Future Studies (School of Future Studies), Commerce (School of Commerce) etc.

- M Tech.(Computer Sc/ Network Management/Software engineering), M.C.A., M.Sc.(CS), MBA, B.E. and various other courses conducted by DAVV.
- *Subjects Taught*: *Advance Operating Systems, Cloud Computing, Artificial Intelligence, Distributed Computing*, Data Structures, Systems Programming, Operating Systems, Database Management System, Systems Programming, Management Information Systems, System Analysis and Design etc.
- Course Design, Paper setting, valuation, practical exams etc. in various post-graduate and under-graduate and Ph. D. exams.
- Guiding projects of M. Tech., M.C.A., M.Sc., M.B.A. etc.

4. *Research Activities*

- *Ph. D. Supervisor in Faculty of Engineering (Computer Engineering) and Faculty of Engineering Sc (Computer Science) at DAVV, Indore.*
- Research Areas include Distributed Scheduling, Cloud Computing, IT based Service, e-Governance etc.
- Published over 58 Research Papers in reputed journals and conferences and 03 books.
- Convener, Program Chair/Co-Chair , Editorial Board Member, Keynote Speaker and Session Chair of a number of workshops and conferences
- Resource Person for Expert Lectures in Various Institutions including Engineering and Management Colleges.

5. *Other Responsibilities Held*

- Chairperson, Infrastructure Development Committee, SCSIT
- Member departmental committee SCSIT, DAVV, Indore
- Member, Research Committee, SCSIT, DAVV
- Member, Discipline, Grievances and Complaint Committee, SCSIT
- Member, Technical Committee, SCSIT, DAVV
- Coordinator Professional Development Program, MSC(IT) and Compute Management Course

6. *University/State/ National Level Academic Activities*

- Member of College Inspection Committees of DAVV, Indore as Comp Sc. Expert
- UGC Expert in Computer Science and Applications
- NBA Expert for B.E./M.E. CSE/IT programs

- Expert in MPPSC as Computer Sc Engineering expert
- M Tech, Ph D Examiner, RDC in various reputed universities e.g. Mysore Univ., Kadi Serva University, Anand, GTU Ahmedabad, Krishnakumarsinhji Bhavnagar University, Bhavnagar etc.
- Active Life Member of CSI (LM0030696) as Vice Chairman, Chairman and other important responsibilities
- Life Memeber ISTE,
- Life Member Institution of Communication Engineers and Information Technologists (ICEIT), (SM 15 00 520 L)

7. *Books Published*

- Priyesh Kanungo, Scheduling in Distributed Computing Environment using Dynamic Load Balancing, .Pdf e-book: . ISBN 978-3-96067-546-4.
- Rajkumar Sharma and Priyesh Kanungo, Load Balancing in Multi-Core Based Clusters, ISBN-13:978-3-659-88887-8ISBN-10: 3659888877
- Priyesh Kanungo and Aditya Makwe, Resource Management in Cloud Computing, ISBN: 978-1-5305-7376-2

8. *Papers Published*

List of Conference Papers Publications

2016-17
[1] More A. and Kanungo P., Use of Cloud Computing for Implementation of e-Governance Services, VirtualCom-2016: International Virtual Conference on Computer Science, Engineering and Technology, 25-28 Dec, 2016.

2015-16
[2] More A. and Kanungo P., Various e-Governance Applications, Computing Architecture and Implementation Barriers, Proceedings of the International Congress on Information and Communication Technology (ICICT), Advances in Intelligent Systems, Volume 439 2016, pp. 635-643Udaipur, 09 June 2016, ISBN: 978-981-10-0754-5 (Print) 978-981-10-0755-2 (Online) (published by Springer, Singapore).
[3] Makwe A. and Kanungo P., Scheduling in Cloud Computing Environment Using Analytic Hierarchy Process Model IEEE International Conference, Medicaps Institute of Technology and Science, Indore 10-12 Sept 2015(Paper Available on IEEE Explore).
[4] Awasthi C. and Kanungo P., Resource Allocation Strategy for Cloud Computing Environment, IEEE International Conference, Medicaps Institute of Technology and Science, Indore 10-12 Sept, 2015 (Presented and to be published on IEEE Explore).

2014-15
[5] More A. and Kanungo P., Elements of e-Governance for Modern Educational Institutions, International Conference on Innovative Trends in Engineering , Science and Management (ITESM), 2015 at Patel College of Science and Technology, Ralamandal, Indore, India, 12 & 13 March 2015 (ISBN:
[6] Awasthi C. and Kanungo P., Client Requirement Modeling using Resource Broker Architecture in Cloud Computing Environment , **IEEE** International Conference on Cloud Computing for Emerging Markets (CCEM- 2014), Oct 15-17, Bangalore.
[7] Makwe A. and Kanungo P., An Efficient Implementation of Multiple Tasks using Cloud Computing Environment, National Conference on Challenges of Globalization and Strategies of Competitiveness, Shri Vaishnav Institute of Management, 17 Jan., 2015, pp 23-31 (ISBN:978-93-84935-08-5, paper presented)

[8] Shringi D. and Kanungo P., Graph Implementation and Vertex Cover Problem using Greedy Algorithm, National Conference on Challenges of Globalization and Strategies of Competitiveness, Shri Vaishnav Institute of Management, 17 Jan., 2015, pp 85-93 (ISBN:978-93-84935-08-5, paper presented)

2012-13

[9] Tiwari A. and Kanungo P., " A Model for Dynamic Load Balancing in Open Source Software for Distribute Computing Environment," CSI 6th international Conference of Software Engineering (CONSEG 2012), Organized by IEEE MP subsection and IET DAVV, Indore, 6th - 7th Sept, 2012 (Proceeding Available on IEEE, Xplore).

[10] Sharma R K, Kanungo P. and Chandwani M., "A Destination Capability Aware Dynamic Load Balancing Algorithm for Heterogeneous   Computing Environment. High Performance Architecture and Grid Computing July, 20112011, pp. 186-191. Book published by Springer Verlogue, Berlin, Heidelberg (DOI: 10.1007/978-3-642-22577-2).

2011-12 and before

[11] Sharma R K, Kanungo P. and Chandwani M., "A Intelligent Cloud Computing Architecture Supporting e-Governance," International Conference on Automation and Computing, University of Huddersfield, Huddersfield, United Kingdom, Sept. 2011.

[12] Sharma R K, Kanungo P. Performance Evaluation of MPI and Hybrid MPI+OpenMP Programming paradigms on Multi-core Processor Cluster , IEEE International Conference on Recent Trends in Information Systems, Kolkata, 21-23 Dec, 2011, 137-140. Print ISBN. 978-1-4577-0790-2.

[13] Mehta H., Kanungo P. and Chandwani M., "EcoGrid: A Dynamically Configurable Simulation Environment for Economy-Based Grid Scheduling Algorithms," 3rd ACM Annual Conference Compute-2011, Bangalore, March 25-26, 2011(ISBN: 978-1-4503-0750-5).

[14] Mehta, H., Kanungo P. and Chandwani M., "Distributed Database Caching for Web Applications and Web Services," ACM International Conference and Workshop on Emerging Trends and Technology (ICWET 2011), Organized by Thakur College of Engineering and Technology, Mumbai, February 25-26, 2011.

[15] Mehta H., Kanungo P. and Chandwani M., "Decentralized Content Aware Load Balancing Algorithm for Distributed Computing Environments," ACM International Conference and Workshop on Emerging Trends and Technology (ICWET 2011), Organized by Thakur College of Engineering and Technology, Mumbai, February 25-26, 2011.

[16] Mehta H., Kanungo P. and Chandwani M., "Performance Enhancement of Scheduling Algorithms in Clusters and Grids using Improved Dynamic Load Balancing Techniques," 20th International World Wide Web Conference 2011 (PhD Symposium), Hosted by **IIIT, Banglore** at Hyderabad, 28 March-01 April 2011, pp. 385-389, Awarded NIXI (National Internet Exchange of India) Fellowship.

[17] Mehta, H., Kanungo, P. and Chandwani, M., "Towards Development of a Distributed e-Learning EcoSystem," [2nd] *International Conference on Technology for Education (TforE-2010)*, IIT Mumbai, July 1-3, 2010.

[18] Mehta, H., Kanungo, P. and Chandwani, M. "On Trust Management and Reliability Issues in Distributed Scheduling Algorithms," International Conference on Advance Computing and Utility and Cloud Computing (ICoAC), 14-16 December, Anna University, Chennai in Association with IEEE Chennai section 2010.(Paper available on in IEEE Xplore and received best paper award of the conference).

[19] Mehta, H., Kanungo, P. and Chandwani, M., "Performance Evaluation of Grid Simulation using Profilers*," 2nd International Conference on Computer and Automation Engineering (ICCAE 2010 (IEEE))*, Singapore (Co-sponsored by IEEE), 26-28 February, 2010, Vol. 2, pp. 74-77, ISBN: 978-1-4244-5585-0 (Paper Available on IEEE Xplore). Digital Object Identifier: 10.1109/ICCAE.2010.5451385.

[20] Mehta, H., Kanungo, P. and Chandwani, M., "Maximum Utility Meta-Scheduling Algorithm for Users of Economy Based Grid Scheduling Environment," *3rd International Conference on Contemporary Computing (IC3-2010), August 9-11, 2010*, Jaypee Institute of Information Technology, Noida and University of Florida, (Conference Springer in Communications in Computer and Information Science (CCIS) ISSN: 1865-0929).

[21] Mehta, H., Kanungo, P. and Chandwani, M., "A Modified Delay Strategy for Dynamic Load Balancing in Cluster and Grid Environment," *International Conference on Information Science and Applications (ICISA 2010 (IEEE))*, April 21-23, 2010, Seoul, South Korea, Technically sponsored by IEEE, (Paper Available on IEEE Xplore). Digital Object Identifier: 10.1109/ICISA.2010.5480583.

[22] Tiwari A. and Kanungo P., "Dynamic Load Balancing Algorithm for Scalable Heterogeneous Web Server Cluster with Content Awareness," 2nd International Conference on Trendz in Information Sciences & Computing, (TISC) 2010, Satyabhama University, Chennai, India, pp. 143-148 (Print ISBN: 978-1-4244-9007-3, Paper available on IEEE Xplore, Digital Object Identifier: 10.1109/TISC.2010.5714626, received best paper award of the session).

[23] Kanungo S. and Kanungo P. "Small and Medium Enterprises in Madhya Pradesh: Issues and Challenges," *3rd National Conference on Contemporary Management Research, NACCMAR-2010*, Apeejay School of Management, New Delhi, India, 14 May 2010, ISBN 978-81-906991-0-5 (Paper Presented).

[24] Mehta, H., Kanungo, P. and Chandwani, M., "A Content Aware Dynamic Load Balancing Algorithms for Grid Computing Environment," *3rd CSI National Conference on Education & Research (ConfER2010)*, Jaypee Institute, Guna, 6-8 February, 2010.

[25] Tiwari A. and Kanungo, P., "Managing Information Overload", 4th National Conference on Computing for National Development, (INDIACOM-2010") 25-26 Feb., 2010, Bharti Vidyapeeth, New Delhi, ISSN 0973 - 5658.

[26] Sharma, R.K., Kanungo, P. and Chandwani, M., "Performance enhancement of Network of Workstations using Dynamic Load Balancing," *Bhartiya Vigyan Sammelan, Indore*, 1-3 December, 2009.

[27] Sharma, R.K., Kanungo, P. and Chandwani, M., "A Comparison of Computation Intensive and Data Intensive in Heterogeneous Nodes in Network of Workstations," 3rd CSI National Conference on Education & Research (ConfER2010), 6-8 February, 2010.

[28] Mehta, H., Kanungo, P. and Chandwani, M., "Performance Enhancement in Scheduling Algorithms in Web Server Cluster using Improved Dynamic Load Balancing Policies," *INDIACOM-2008, 2nd National Conference on Computing for National Development*," 8-9 Feb., 2008, Bharti Vidyapeeth, New Delhi.

[29] Kanungo, P. (2005), "Performance Implications of Thread Management in Multiprocessor and Distributed Systems," *COMPUITNG-2005: CSI National Conference on Transferring Dreams into Reality,* May 14-15, Shri Vaishnav Institute of Technology and Science, Indore (Paper Presented).

[30] Kanungo, P. (2002), "Micro Kernel and its Services in Distributed Processing," National *Conference on e-Business at Institute of Management Studies*, Devi Ahilya Vishwavidyalaya, Indore, May (Paper Presented).

[31] Vyas, N. and Kanungo, P. (2002), "Security and Authentication–Biometric Technology," *XXXVII National Convention on Harnessing and Managing Knowledge, CSI, Banglore*, Oct., Contributed/ 120.doc.

[32] Kanungo, P. and Vyas, N. (2002), "Dynamic Load Balancing in Distributed Systems," *International Conference on Knowledge Management (i-Maze)*, Oct. 21-22, IIPS, DAVV, Indore, (Paper Presented).

List of Journal Papers Published

2015-16

[33] H. Mehta, P. Pawar, and P. Kanungo, "A Two Level Broker System for Infrastructure as a Service Cloud," Wireless Personal Communication, **Vol. 88 Issue 313,** pp 1-13, 03 June 2016. An International SCI Journal by Springer Publication, ISSN: 0929-6212 (Print) 1572-834X (Online) DOI: 10.1007/s11277-016-3382-x, Impact Factor 0.653 **(SCI Publication)**

[34] Kanungo P. Efficient Resource Management in Cloud Computing Using Virtualization. International Journal of Advance Research in Computer andCommunication Engineering. 5(4), 650-652, April 2016. ISSN Online 2278-1021. IF 5.332. DOI: 10.17148/IJARCCE.2016.54158

[35] Kanungo P.The Changing Business Scenario for Small Enterprises in India and Possible Solutions. International Journal of Engineering and Management Research (IJEMR). 6 (2). March-April, 2016.,490- 493. ISSN (Online): 2250-0758.

[36] A. Makwe and P. Kanungo, A Survey of Scheduling Policies in Cloud Computing Environment. International Journal of Computer Trends and Technology (IJCTT). Vol. 34 No. 4,169-173 April 2016. **E**-ISSN: 2231-2803. DOI: 10.14445/22312803/IJCTT-V34P131

[37] Kanungo P., Towards the Development of Cloud Operating systems International Journal of Computer Science and Engg. Tech., 2016, 7(5). May 2016. (**ISSN: 2229-3345)**

[38] Kanungo P., Design Issues in Federated Cloud Architecture, International Journal of Advance Research in Computer and Communication Engineering (IJARCCE), 2016,), 5(5), May 2016. **ISSN Online 2278-1021. IF 5.332.**

[39] Kanungo P., Load Balancing in Cloud Computing Environment (Renamed as Efficient Scheduling in Federated Cloud Computing Environment using Dynamic Load Balancing), Int. Journal of Ad. Research in Comp. Sc. and Soft. Engg., 6(4), May 2016 (ISSN: 2277-128X).

2014-15

[40] Tiwari A. and Kanungo P. Challenges and Opportunities in Dynamic Load Balancing. International Journal of Science Engineering and Management," June, 2015. .ISSN: 2250-0596.

[41] Kanungo P. Evolution and Essentials of Cloud Computing. Evolution and Essentials of Cloud Computing. International Journal of Science Engineering and Management," June, 2015. .ISSN: 2250-0596.

2013-14

[42] Kanungo, P. "Study Of Server Load Balancing Techniques," IJCSET, Vol 4 Issue 10, 2013 (ISSN: 2229-3345).

[43] Kanungo, P. Load Measurement Issues In Dynamic Load Balancing In Distributed Computing Environment," International Journal of Advanced Research in Computer Science and Software Engineering 3 (4), October - 2013, pp. 1-6, Impact Factor 2.080.

[44] Kanungo, P. Scheduling Algorithms in Web Servers Clusters," International Journal of Computer Science and Mobile Computing Vol.2 No.12, December- 2013, pg. 1-4, ISSN: 2320-088X

[45] Kanungo, P. Measuring Performance Of Dynamic Load Balancing Algorithms In Distributed Computing Applications, "International Journal of Advanced Research in Computer and Communication Engineering Vol. 2, Issue 10, October 2013. ISSN (Print) 2319-5940, ISSN (Online)2278-1021. Impact Factor: 1.770.

[46] Kanungo, P. Exploring DLB to Solve Problems in DLB," International Journal of Computer Trends and Technology (IJCTT) – Volume 4 Issue 10–Oct 2013, ISSN: 2231-2803

2011-12 and before

[47] Kanungo P. and More A "Design of Networking Infrastructure for Academic Institutions with Special Reference to Wireless Networking," International Journal of Science Engineering and Management," Vol. I, January 2012, pp. 82-86 (ISSN: 2250-0596).

[48] Mehta H., Kanungo P. and Chandwani M. "Dependency Free Distributed Database Caching for Web Applications and Web Services," International Journal of Computer Applications, (IJCI) Proceedings on International Conference and Workshop on Emerging Trends in Technology (ICWET) No. 9 pp. 27-32, 2011. Published by Foundation of Computer Science, Newyork, USA, ISBN: 978-93-80747-72-8.

[49] Mehta, H., Kanungo, P. and Chandwani, M., "Generic Data Access and Integration Service for Distributed Computing Environment," International Journal of Grid Computing and Applications

[50] Sharma R K, Kanungo P. and Chandwani M., "A Dynamic Load Balancing Method using

[51] Workstation Priority," International Journal of Engineering Sc. & Tech, April, 2011, ISSN NO: 0975-5462.

[52] Sharma R K, Kanungo P. and Chandwani M., "A New Dynamic Load Balancing Algorithm Based on Workstation Priority in Network of Workstations using MPI Environment," Journal of Institution of Engineers, Computer Engineering, Vol. 92, May, 2011.

[53] Sharma R K, Kanungo P. and Chandwani M., "Performance Evaluation of Parallel Applications using Message Passing Interface in Network of Workstations of Different Computing Powers," *Indian Journal of Computer Sc. & Engineering,* Vol 2, No 2, April-May, 2011 **ISSN:0976-5166**.

[54] Kanungo S. and Kanungo P. "Setting up of Small and Medium Enterprises in Madhya Pradesh," *Oorja Journal of Management and IT*, 2010, International School of Informatics and Management, Jaipur, India, 14 May, ISSN 0974-7869,Volume 8, No. 1, pp. 40-46, 2010.

[55] Tiwari A. and Kanungo, P., "Overview of Routing Algorithms and Major Design Issues in the State-of-Art Routers," Feb., 2009, *Strategies of Organizational Excellence*, Ist Edition, New Delhi, 2010, ISBN 978-81-7446-784-3.

[56] Kanungo, P. and Samy, V.S. (2003), "Asynchronous Transfer Mode Networks," *Journal of Innovative Computing*, Gurunanak Engineering College, Hyderabad.

[57] Kanungo, P. and Vyas, N. (2002), "Cyber Security," Pioneer Management Research Journal of Excellence.

[58] Kanungo, P. and Chandwani M., "A Process Migration Methodology for Dynamic Load Balancing in Distributed Computing Environment," *Indian Journal of Computing Technology*, Vol. 1 No. 1, May 2006, pp. 11-21.