

Faculty Profile



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| Name: | Dr. Vipin Khurana |
| Designation: | Professor |
| Teaching Areas: | Analytics, Advanced Business Analytics, Operations Management, BPI |
| Research Interest: | Analytics, Advanced Business Analytics, Operations Management, BPI |
| Education: | M.Sc., MBA, Ph. D |
| Work Experience: | 25 Years |

Research/Selected Publication:

1. **“Profit evaluation of a two-unit system with tiredness and two types of repairman”** published in the Journal of Indian Society of Statistics and Operation Research (**JISSOR**), Dec. 2000, Vol. XXI, No. 1-4. (2000)
2. **“Profit evaluation of a two-unit system with regular repairman & an alternative repairman whenever required”** presented in **Joint 9th National Level Conference of the Vijana Parishad of India on Applied and Industrial Mathematics and 5th Annual Conference of ISITA** held during **22nd to 24th February 2002** at NSIT, New Delhi”. (2002)
3. **“Profit evaluation of a two-unit cold standby system with alternative repair facility”** presented in the **“XX Annual Conference of Indian Society for Medical Statistics”**, held during **December 19 – 22, 2002** at AIIMS, New Delhi. (2002)
4. **“Profit Evaluation of Single Unit Programmable Logic Controller (PLC)”** **Caledonian Journal of Engineering**, Oman, Volume 01, Number 02, Oct – Dec 04. (2004)
5. **“Profit Evaluation of a two-unit hot standby Programmable logic controller”** presented in **‘International Conference of Communication Computer and Power 05 (icccp05) in collaboration with IEEE and IEE** held at Sultan Quaboos University, Sultanate of Oman during Feb 14-16, 2005.
6. **“Reliability and Availability Analysis of a two-unit Cold Standby Programmable Logic Controller”** presented in the **“Joint National Conference of Applications of Mathematics in Engineering & Technology and ISITA** held at MIMIT, Malout during 26 - 28 March 2005.
7. **“Reliability and Availability analysis of a single unit PLCs”** presented and published in the Proceedings of **Regional Conference on Trends in Maintenance Management** held at Caledonian College of Engineering, Muscat, Sultanate of Oman on 2nd Oct 2005.
8. **“Economic Analysis of a two-PLC cold standby system with four types of failure”**, **Pure and Applied Matematika Sciences**, March 2006 Vol. 63 Issue. (2006)
9. **“Reliability and availability analysis of a two-unit hot standby system with inspection and four types of failure”** presented in the National Conference on Information Technology & **8th Annual Conference of ISITA**, held at NC College of Engineering, Panipat during 18 – 20 March, 2006.
10. **“Performance of B.Tech. students in Applied Mathematics subjects during 2000-05 in U P Technical University Examinations”** – A Case Study of JSSATE, Noida is published in **Indian Journal of Technical Education**, Dec 2006 Issue.

11. "Modeling & optimization of a Single Unit PLC's" is published in **International Journal of Modeling and Simulation, Canada**, Vol 27, Issue 4, 2007
12. "Comparative Study between Profits of Models for Two Programmable Logic Controller (PLC) System with Four Types of Failures" presented in **9th National Conference of Indian Society of Information Theory & Applications (ISITA)** held during Dec 8 – 9, 2007 at GSBA, Gr Noida
13. "Reliability Analysis of a Single Unit PLC with Inspection" published in **i-manager's Journal on Future Engineering & Technology**, 3 (4), 19-26, 2008.
14. "Reliability Analysis of a Hot Standby Industrial System," **International Journal of Modeling and Simulation Canada, Vol 30, Issue 3, ACTA press** (2010)
15. Empirical Study on Predictors of Student Learning Satisfaction from Web Based Learning Systems, published in **International Journal of Advanced Research in Computer Engineering & Technology** (2012).
16. "Impact of FDI in Retail Industry" presented in **Conference of Marketing Scholars & Practitioner (CMSP)** on May 10th, 2013 at Apeejay School of Management, New Delhi (2013)
17. Simulation: An Effective Teaching Tool, presented **ISTE Delhi Section Convention held at Delhi Technological University** during Sept 5-6, 2013. (2013)
18. "SAP LAP Framework for Analyzing Technology Management and Cultural Issues in Power Distribution in Jharkhand" published in **The Brahmaputra...Rhythm of the Promises Journal of Don Bosco Institute of Management**, Guwahati, 8 (2), 53-56 (2014)
19. "Geo spatial Technology helping the utility to manage people in better way and curb dishonesty" presented in National Conference on "**Internet of Things- Technology Trends and Applications**" at ICFAI University Jharkhand during Sept 23, 2015 (2015).
20. "Website Assessment of Power Distribution Companies in National Capital Region" **IUP Journal of Information Technology** Vol XI, No. 3 (2015)
21. "Eco-system of Internet of Everything (IoE) – India Perspective" published in **IUP Journal of Internet of Things August 2016 issue** (2016)
22. "Time for Digital Economy – Demonetization Push in India Perspective", as book chapter in the **book DEMONETIZATION – What lies ahead for Indian Economy** (Feb 2017)
23. "Pull-A-Vehicle Approach for Transport with Internet of Things (IOT) based Fleet Management System (FMS)", **International Journal of Emerging Technologies and Innovative Research** (ISSN: 2349–5162) Vol 6, Issue 1 (Jan 2019)
24. "A literature based conceptual framework of factors in adopting IOT for Logistic performance", **International Journal of Advance and Innovative Research** ISSN 2394 – 7780, Volume 6, Issue 2 (IV) ISSN 2394 – 7780, (June 2019).
25. "**Key enabling factors for adopting Internet of Things in the area of Logistics**" presented in 9th International Conference on Management Practices & Research (ICMPR-2019) held on July 24, 2019 at Apeejay School of Management, New Delhi (July 2019)
26. **Adoption of Internet of Things (IOT) based Applications for Logistics**", **International Journal of Advance and Innovative Research**, Volume 7, Issue (XVIII) ISSN 2394 – 7780, 292 – 304 (2020)
27. **A framework based on Challenges & Gaps for the IOT-based platforms in Transportation & Logistics (T&L)**, presented in International Conference on Advances in Computing and Data Sciences held during April 27-28, 2023 at Brainware University Kolkata.

28. New India to the World via G 20:20 Mission, published in Samvaad Magazine, Jan-2023 Issue 1, Vol. 10 IBS Gurgaon.