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## **Journal Publication**

- Kaur, R. K., Singh, L. K., & Singh, P. (2022). Dependability analysis of safety critical and control systems of NPP. Nuclear Engineering and Design, 399, 112031. **(SCI)**
- Grewal, Raj Kamal Kaur, and Babita Pandey. "An intelligent model for diagnosis of breast cancer. (2022). International Journal of Healthcare Technology and Management, **(Scopus)**
- kamal Kaur, R., Singh, L. K., & Khamparia, A. (2020). Modeling uncertainty of instrument and control system of nuclear power plant. Annals of Nuclear Energy, 139, 107207. **(SCI & SCI-E)**
- kamal Kaur, R., Singh, L. K., & Pandey, B. (2019). Security Analysis of Smart Grids: Successes and Challenges. IEEE Consumer Electronics Magazine, 8(2), 10-15. **(SCI & SCI-E)**
- kamal Kaur, R., Pandey, B., & Singh, L. K. (2018). Dependability analysis of safety critical systems: Issues and challenges. Annals of Nuclear Energy, 120, 127-154. **(SCI)**
- Kaur, Kamal R., Singh, L. K., & Pandey, B. (2017). Security Analysis of Safety Critical and Control Systems: A Case Study of a Nuclear Power Plant System. Nuclear Technology, 197(3), 296-307. **(SCI & SCI-E)**.
- Kamal Kaur, R and Pandey,B,(2015). A Systematic Survey on Safety and Security Aspects of Safety Critical System. International Journal of Control Theory and Application, 9(10)/5/2016 .

- Kaur Kamal, R., & Pandey, B. (2014). Two Level Diagnosis of Breast Cancer Using Data Mining. *International Journal of Computer Application*, 975:8887.
- Kaur, Kamal, R. & Pateriya, P. K. (2013). A rule-based approach for effective resource provisioning in hybrid cloud environment. In *New Paradigms in Internet Computing* (pp. 41-57). Springer, Berlin, Heidelberg, Springer. (**Scopus**)
- Kaur, Kamal., & Pateriya, P. K. (2012). Effective Resource Provisioning in Hybrid Cloud Environment, *International Journal of Computer Science and Informatics* ISSN: 2231-5292, Vol-1, Issue-4, 2012.
- kamal Kaur, R., Singh, L. K., Pandey, B., & Khamparia, A. (2019, December). Threat-Driven Approach for Security Analysis: A Case Study with a Telemedicine System. *Hybrid Intelligent Systems*, Springer Nature and ISBN:978-3-030-49336-3\_3, (pp. 387-397). (**Scopus**)

### **Patent**

A distributed energy resource management system with internet of things. (2024)

### **Book**

Raj Kamal et al. (2024) *Security Management for Industrial Safety Critical Applications*, Springer.

### **Conferences**

- Kaur, R. and Kaur, S. (2024) Security issue reviewed and resolved: Heart disease detection.  
In 2023 *International Conference on Artificial Intelligence for Innovation in Healthcare Industries*, IEEE, Vol.1, pp. 1-6.
- Grewal, R., and Pandey, B. (2014). Diagnosis of Breast Cancer using Integrated Rule Based Reasoning and Data mining, proceeding in *National Conference On Advances in Systems and Technologies*, held at Institute of Technology and Management, Gorakhpur. (paper presented)
- Grewal, R. K., & Pateriya, P. K. (2012). A rule-based approach for effective resource provisioning in hybrid cloud environment, *International Journal of Computer Science and Informatics* ISSN: 2231-5292, Vol-1, Issue-4, 2012. (\_Paper presented at the IRNet

International Conference on Computer Science and Engineering held at Nagpur on 3rd February, 2012).

- Kamal, R. and Pandey, B. (2014). Breast Cancer Diagnosis Using K-means and Artificial Neural Network, in Recent Trends in Computing, Information and Applications”, held at Sri Sai University Palampur, Himachal Pradesh, 2014.
  
- kamal Kaur, and Pandey, B. A. (2016). Systematic Survey on Safety and Security Aspects of Safety Critical System. I J C T A, 9 (10), pp. 551-559. Shannon, Organized by the Lovely Professional University. (Scopus)
  
- kamal Kaur, Singh, L., Pandey, B. and khampara, A. (2020) Threat-Driven Approach for Security Analysis of Safety Critical System: A Case Study with a Telemedicine System: 15th International Conference on Information Assurance and Security held at VIT Bhopal University, India (Scopus)