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- [151] L.K Singh., G. Vinod, A.K. Tripathi, “Early prediction of software reliability: A case study with a nuclear power plant system”, *Computer* 49 (1), pp. 52–58, 2016.

Appendix A

List of Publications

Refereed Journal Publications

- **Vinay Kumar**, Lalit singh, and A.K. Tripathi, “A Probabilistic Hazard Assessment Framework for the Safety-critical and Control Systems: A Case Study For a Nuclear Power Plant”, Nuclear Technology Journal ISSN 0029-5450 (ANS), volume: 197 no. 1 (January 2017), pp. 22-28. [SCIE, Impact factor: 0.60].
- **Vinay Kumar**, Lalit singh, and A.K. Tripathi, “Transformation of deterministic models into state space models for safety analysis of safety critical systems: A case study of NPP”, Annals of Nuclear Energy, Elsevier Journal ISSN 0306-4549, volume: 105 (July 2017), pp. 133-143. [SCIE, Impact factor: 1.312]
- **Vinay Kumar**, Lalit singh, Pooja Singh, and A.K. Tripathi, “Analysis of safety critical systems using transformation of UML into state space models: A Case Study of NPP”, IEEE Software ISSN 0740-7459, volume: 34, no. 4 (July 2017), pp. 38-47. [SCI, Impact factor: 2.19]

- **Vinay Kumar**, Lalit singh, and A.K. Tripathi, “Reliability Analysis of safety-critical and control systems: A state-of-the-art review ”, IET Software, ISSN 1751-8814, (Published online, August 2017), pp. 1-35. [SCIE, Impact factor: 0.733]
- **Vinay Kumar**, Lalit singh, and A.K. Tripathi, “Reliability Prediction Methods for Electronic Devices: A state-of-the-art review”, IETE Technical Review, ISSN 0256-4602. [Under Revision]
- **Vinay Kumar**, Lalit singh, Pooja Sing, and A.K. Tripathi, “Early Reliability Prediction: A case study of consumer electronics”, IEEE Consumer Electronics Magazine, ISSN 2162-2248. [Under Revision]
- **Vinay Kumar**, Lalit singh, Ashish Kumar Maurya, Pooja Singh, Karam Veer Singh and A.K. Tripathi, “Safety Analysis of safety-critical and control systems: A state-of-the-art review”, ACM Transactions on Software Engineering and Methodology (TOSEM), ISSN 1049-331X. [Under Review]