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List of Publications: (Last 5 years)

1. Ayyappan G, Karpagam S,"An $M^X/G(a, b)/1$ queueing system with server breakdown and repair, stand-by server and single vacation, International Journal of Mathematics in Operational Research," February, 2019.
2. Ayyappan G, Supraja R," Analysis of an $M^X/G(a,b)/1$ Unreliable G-queue with Loss, Instantaneous Bernoulli Feedback, Vacation and Two Delays of Verification", International Journal of Mathematical, Engineering and Management Sciences, February, 2019.
3. Ayyappan G, Deepa T," Analysis of Bulk Queue with Choice of Service Closedown Multiple Vacation Server Breakdown and Repair", International Journal of Mathematics and Statistics,January, 2019.
4. Ayyappan G, Udayageetha J," Analysis of Pre-emptive Priority Retrial Queueing System with Starting Failure, Modified Bernoulli Vacation with Vacation Interruption, Repair, Immediate Feedback and Impatient Customer's, Int. J. Math. And Appl., December, 2018.
5. Ayyappan G, Deepa T," Analysis of batch arrival bulk service queue with multiple vacation closedown essential and optional repair, Applications and Applied Mathematics: An International Journal (AAM), December, 2018.
6. Ayyappan G, Supraja R," Batch arrival bulk service queue with unreliable server, second optional service, two different vacations and restricted admissibility policy, Applications and Applied Mathematics: An International Journal, December, 2018.
7. Ayyappan G, Udayageetha J," Transient analysis of $M[X1], M[X2]/G1, G2/1$ retrial queueing system with priority services, Collisions, Orbital Search, Working Breakdown, Startup/Close down time, Feedback, modified Bernoulli vacation and Balking", International Journal of Applied Engineering Research, November, 2018.
8. Ayyappan G, Udayageetha J," Analysis Of Mixed Priority Retrial Queueing System With Two Way Communication, Bernoulli vacation, Working Breakdown, negative arrival and reneging", Journal of Mathematical Modelling, August, 2018.
9. Ayyappan G, Karpagam S," An $M^X/G(a,b)/1$ Queueing System with Breakdown and Repair, Stand-By Server, Multiple Vacation and Control Policy on Request for Re-Service", Mathematics, June, 2018.
10. Ayyappan G, Supraja R." Analysis of an $M^X/G(a,b)/1$ queueing system with three phases of service, Bernoulli l-optional vacation, delay time to repair, setup time, state dependent arrival, International Journal of Applied Engineering Research, June, 2018

11. Ayyappan G, Deepa T," Analysis of batch arrival single and bulk service queue with two phases of service multiple vacation closedown and balking", Advanced Modeling and Optimization,May, 2018.
12. Ayyappan G, Supraja R," Transient Analysis of $M^X/G(a,b)/1$ queueing system with Balking under Bernoulli Schedule Vacation and Random Breakdown", Journal of Computer and Mathematical Sciences,May, 2018.
13. Ayyappan G, Karpagam S," An $M^X/G(a, b)/1$ Queueing System with Breakdown and Second Optional Repair, Stand-by Server, Balking, Variant Arrival Rate and Multiple Vacation", International Journal of Mathematics And its Applications,April, 2018.
14. Ayyappan G, Supraja R," Analysis of an $M^X/G_1(a,b),G_2(a,b)/1$ unreliable G-queue with optional re-service, Bernoulli vacation, delay time to two phase of repair", Malaya Journal of Matematik,April, 2018.
15. Ayyappan G, Deepa T," ANALYSIS OF BATCH ARRIVAL BULK SERVICE QUEUE WITH THREE STAGES OF HETEROGENEOUS SERVICE MULTIPLE VACATION SETUP TIME AND BALKING", Mathematical Sciences International Research Journal,March, 2018.
16. Ayyappan G, Supraja R," An $M^X/G(a,b)/1$ Queueing System With Two Fluctuating Modes Of Service Under Bernoulli Vacation Schedule For Unreliable Server and Delaying Repair", International Journal of Pure and Applied Mathematics,February, 2018.
17. Ayyappan G, Udayageetha J," Analysis of $M[X_1], M[X_2]/G_1,G_2/1$ Retrial QueueingSystem with Priority Services, Working Breakdown, Non-Persistent Customers,Modified Bernoulli Vacation, Emergency Vacation and Repair", International Journal of Statistics and Systems,January, 2018.