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| **PROFILE** | | | |
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| **Department** | : | Mathematics |
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| **Subject of Interest** | : | Fuzzy Inventory Model |
| **Publications :** | : | International:  1. “ Sylvester Matrix Equations and theirapplications in fault  tolerance in multiprocessors” in “Two dayInternational  Conference on Algebra and its applications organizedby  Department of Mathematics, PMU, Vallam held on December  14th & 15th 2011.   1. “Integrated Supply Chain Model in Deteriorating Inventory Items and Waste Reduction Contemplations through JITWith Fuzzy Approach”, International Journal of Current Research Vol. 8, Issue, 09, pp. 37871-37883, September 2016, ISSN: 0975-833X, 2. “Integrated Supply Chain Model for Deteriorating Inventory Items and Waste Reduction Contemplations through JIT with Price Dependent Demand in Fuzzy Environment”, Aryabhatta Journal of Mathematics and Informatics, Vol 8, Issue 2, July– Dec 2016, ISSN: (o) 2394-9309, pp:0975-7139, Imfact factor4.866. 3. “Fuzzy Inventory Model for deterioration Items through Just in Time with Shortages allowed” , International Conference on Emerging Trends in Engineering Science and Sustainable technologies, Periyar Maniammai University, Vallam, Thanjavur, Feb 20-21, 2017 and published in Indian Journal of Science and Research, 14 (1): 326-333, 2017 ISSN: 0976-2876 (Print), ISSN: 2250-0138(Online) 4. “Optimal Joint Total Cost of an Integrated Supply Chain Model for Deteriorating Inventory Items with backorder through Justin Time; A Fuzzy Approach”, Global Journal of Pure and Applied Mathematics, ISSN 0973-1768 Volume 13, Number 9 (2017), pp.5245-5264. 5. “Multi item Fuzzy Inventory Model with backorder throughJust in Time; Karush Kuhn Tucker Conditions Approach” International Journal of Creative Research Thoughts, Volume 6, Issue 1 February 2018 | ISSN: 2320-2882, pp.894-905. 6. “Multi Item Fuzzy Inventory Model for Imperfect Itemswith Uncertain Lead Time and Unreliable Holding Cost; A Geometric Programming Approach”, International Journal of Engineering & Scientific Research, Vol.6, Issue 4, April 2018, ISSN: 2347- 6532, Impact Factor: 6.660, pp. 104-115. 7. “Multi Item Inventory Model with Uncertain Lead Time and Varying Holding Cost via Geometric Programming; A Fuzzy Approach”, International Journal of Engineering & Scientific Research, Vol.6, Issue 4, April 2018, ISSN: 2347-6532,Impact Factor: 6.660, pp. 116-126 8. “Fuzzy Inventory Model for Deteriorating Items withShortages using Penalty cost”, International Journal of Management, IT & Engineering Vol. 8 Issue 11(1), November 2018, ISSN: 2249- 0558, Impact Factor: 7.119, pp-150-178. 9. “Optimal Joint Total Cost of an Integrated Supply ChainModel for Inventory Items with backorder using Yager Ranking Method”, American International Journal of Research in Science, Technology, Engineering & Mathematics, ISSN (Print): 2328 - 3491, ISSN (Online): 2328-3580, ISSN(CD-   ROM): 2328-3629, pp- 392-402.  11. “Production Inventory model with shortages for deteriorating  items with two uncertain rates of deterioration”, International  Journal of Scientific & Engineering Research, Volume 10,  Issue 12, Dec 2019, ISSN: 2229-5518, pp – 751-770.  12. “Fuzzy production inventory model with allowed lead time and  shortages using Yager ranking method”, Our Heritage, Vol 68,  Issue 4, January 2020, ISSN: 0474-9030, pp: 415-428.  13. “Production inventory model with allowed shortages: A fuzzy  approach”, Our Heritage, Vol 68, Issue 4, January 2020, ISSN:  0474-9030, pp: 451-462.  14. “Optimal Joint total cost of an integrated supply chain model for  perfect and imperfect items with backorder using yager ranking  method”, Our Heritage, Vol 68, Issue 1, January 2020, ISSN:  0474-9030, pp: 10274-10289.  15. “Fuzzy Production Inventory Model for deterioration items with  shortages and lead time using penalty”, JuniKhyat, Vol.10, Issue 9,  No.3, September 2020, Page No 214-224, ISSN 2278-4632, Impact  Factor 6.625, UGC-CARE Approved Group I Journal  16. “Production Inventory Models For Deterioration Items Using Penalty,  Transportation And Shortage Cost: A Fuzzy Approach”, International  Journal of Aquatic Science, ISSN: 2008 -8019, Volume 12, Issue 2,  May 2021. | |

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| **NPTEL online Certification Course** | : | Introduction to Abstract Algebra (Elite Certificate) | |
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