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| Date | 10 September 2022 |
| Team ID | PNT2022TMID04908 |
| Project Name | Inventory Management System For Retailers |
| Maximum Marks | 4 Marks |

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| S.no | Title | Author | Year | Methodology | Pros and Cons |
| 1. | Inventory management for retail companies: A literature review and current trends. | Cinthya Vanessa Muñoz Macas,jorge Andrés Espinoza Aguirre,Rodrig o  Arcentales-Car riónMario Peña | March,2 021 | They focused on solving all the retail issues that happened from 2015 to 2019  through different systems and software. | Pros: They addressed almost 22 issues that retailers faced.  Cons: All the software and methodologies they suggested were not cost effective and couldn't be used by small scale retailers. |
| 2. |  | Abu Hashan | Septem | This study | Pros: |
|  |  | Md | ber,2022 | investigates how | This study |
|  | Inventory decisions on | Mashuda,Suja |  | intensification of | considers product |
|  | the transportation | nMiah,YoefDar |  | the COVID-19 | deterioration, |
|  | system and carbon | yantoc,Ripon |  | affects the | time-dependent |
|  | emissions under | K.Chakrabortty, |  | retailer's profit. | holding costs, |
|  | COVID-19 effects: A | S.M. |  | • | price-dependent |
|  | sensitivity analysis | MahmudulHas |  | Study about the | demands, and |
|  |  | an,Ming-Lang |  | interrelation of | carbon emissions |
|  |  | Tseng |  | vaccination and | from vehicle |
|  |  |  |  | covid outbreak in | operation and |
|  |  |  |  | transportation. | intends to establish |
|  |  |  |  | • | a harmonious |
|  |  |  |  | This model | relationship among |
|  |  |  |  | provides the | these attributes. |
|  |  |  |  | decision making | Cons: |
|  |  |  |  | on efficient uses | This study failed to |
|  |  |  |  | of green | show how |
|  |  |  |  | technology. | COVID-19 affects |
|  |  |  |  |  | customers’ |
|  |  |  |  |  | purchases instead |
|  |  |  |  |  | of the effects on the |
|  |  |  |  |  | transportation |
|  |  |  |  |  | system. |
| 3. | Two-stage inventory | TianyunLi, | Februar | The paper | Pros: |
|  | management with | WeiguoFang, | y,2021 | presents a | This research |
|  | financing under demand | MelikeBaykal- |  | recourse | incorporates the |
|  | updates | Gürsoy |  | approach to solve | financial and |
|  |  |  |  | the two-stage | operational |
|  |  |  |  | optimization | decisions into |
|  |  |  |  | problem and | demand updates, |
|  |  |  |  | derive the optimal | and brings new |
|  |  |  |  | inventory/financin | managerial results |
|  |  |  |  | g policies | and insights. |
|  |  |  |  |  | Cons: |
|  |  |  |  |  | due to the |
|  |  |  |  |  | complexity of the |
|  |  |  |  |  | objective function, |

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|  |  |  |  |  | we do not have simple formulas for the optimal procurement policies, we provide the complete analytical description of the optimal solutions |
| 4. | Internet of things for perishable inventory management systems: an application and managerial insights for micro, small and medium enterprises | Pratik Maheshwari, Sachin Kamble, Ashok Pundir, Amine Belhadi, Nelson Oly Ndubisi & Sunil Tiwari | 2021 | The study aimed to investigate the impact of IoT on existing operating parameters (holding cost, selling cost, deterioration rate, shortage cost, goodwill cost, unit purchase cost) and how it can increase the overall profit of retailers by reducing spoilage. | Pros:  we formulated and analyzed IoT implementation costs in the retailer warehouse  Cons:  They only focused on retailer benefits. They only considered deterministic demand rates with zero lead time.. |
| 5. | DESIGN AND IMPLEMENTATION OF A COMPUTER  BASED HOUSEHOLD INVENTORY SYSTEM | Laff non Stop, Yonas Kebede | March,2 021 | The research work embraces all activities of household inventory management valuation feasibility and liability but our study is narrowed down to  the valuation of property as a way of bringing the work home | Pros:  home.It is focus on valuation  because the field area of household inventory is generated to acknowledge the importance of household inventory to individual and the society at large.The Cons:  It doesn’t support the small scale industry which couldn't afford a computer. |