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| **Requirements Alternatives and Validation** | | | |  |  |  |
| **Students’ Names** | **1. Vinay Jaisinghani**  **2. Ta Seen Irtiza Rabbi**  **3. Mohammed Faisal Hossain**  **4. Akshay Kanabar**  **5.** | **Student Nos** | **1. 214053321**  **2. 215342482**  **3. 214362941**  **4. 213569605**  **5.** | | | |
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| **Group No:** |
| **21** |

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| **Assessed By:** | **Unsatisfactory** | **Pass** | **Credit** | **Distinction** | **High Distinction** |
| **Stakeholder Requirements and Problem/Conflict Identification** |  |  |  |  |  |
| **Alternative Solutions & Requirements** |  |  |  |  |  |
| **Solution Selection and Justification** |  |  |  |  |  |
| **Comments** |  | | | | **Total** |
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| **Stakeholders Requirements** | | **Explanation of conflict** |
| **Stakeholder 1:** | **Suki’s Management staff** | (A1-> C2): While the supermarket wants to unload the goods at day time which will hamper customer’s comfortable shopping during day time.  (B1->C1): Resident doesn’t want any disturbance at night time while customers are tends to shop during the day time. So keeping them happy at a same time is conflict.  (C2->B2): Technically resident wants the delivery to be done during the day time on the other hand customer wants to shop at day time. Unloading products during the day time will be convenient for the resident but inconvenient for the customers. |
| A1. Wants to unload during day time.  A2. Keep the customers happy.  A3. Keep the residents happy. | |
| **Stakeholder 2:** | **Residents** |
| B1. No disturbance at night  B2. Wants delivery at day time | |
| **Stakeholder 3:** | **Customers** |
| C1. Want to enjoy convenient and comfortable shopping.  C2. Want to shop during day time. | |
| **Alternative Solutions and their Requirements** | | |
| **Solution 1** | | **Justification** |
| The deliveries can be divided in to two slots.   * Dry goods. * Refrigerated goods. | | The dry goods can be delivered in the night time as usual, whereas, the goods that need refrigerated trucks can be delivered in day time between 10am – 1pm where the supermarkets are least busy as everyone is working during that time. |
| **Solution 2** | | **Justification** |
| Set a particular time during the day time to unload goods, during that time the customers will receive additional 10% discount on their overall invoice. | | Unloading in day time may cause inconvenience for customers but additional discount will complement them. The company will save 30% extra expenditure on oil consumption in the night time as well. |
| **Solution 3** | | **Justification** |
| Replacing the normal truck with electrical engine based truck will reduce the noise pollution drastically. | | One-time investment on trucks will eradicate the noise problem completely, keeping the residents happy. However using electricity will cut down the petrol costs for the supermarket’s logistic expenses. |
| **Selection of the best Solution** | | |
| Solution 1  By splitting the deliveries, we can achieve the goal of reducing noise pollution in the night time, satisfying the resident needs. On the other hand, it is more cost efficient as the patrol cost will be less however, the customer won’t be bothered too much as most of the deliveries will be received in the night time. | | |

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| **Assumptions** |
| * Suki makes approximately 30% of average profit on their total sales. * Most of the customers prefer shopping during day time. |