**Project Design Phase-I**

**Proposed Solution**

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| Date | 20 May 2023 |
| Team ID | NM2023TMID11307 |
| Project Name | Project - Estimation and prediction of hospitalization and medical care costs |

**Proposed Solution :**

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| **S.No.** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | Estimation of Healthcare Expenditures related to Obesity for Cost-Effective Prevention Strategies |
|  | Idea / Solution description | Medical costs are one of the most common recurring expenses in a person's life. Based on different research studies, BMI, ageing, smoking, and other factors are all related to greater personal medical care costs. The estimates of the expenditures of health care related to obesity are needed to help create cost-effective obesity prevention strategies. Obesity prevention at a  Young age is a top concern in global health, clinical practice, and public health. |
|  | Novelty / Uniqueness | 1. Focus on Younger Population 2. Comprehensive Data Collection 3. Cost-Effective Prevention Strategies 4. Incorporation of Advanced Predictive Modelling 5. Regular Updates and Refinement |
|  | Social Impact / Customer Satisfaction | 1. Public Health Improvement 2. Financial Accessibility 3. Personalized Interventions 4. Resource Allocation Efficiency 5. Long-Term Cost Savings |
|  | Business Model (Revenue Model) | 1. Data Analytics Solution 2. Subscription or Licensing Fees 3. Data Integration Services 4. Customization and Consulting Services 5. Partnerships and Collaborations 6. Data Monetization |
|  | Scalability of the Solution | 1. Infrastructure 2. Data Processing 3. Data Storage 4. Machine Learning Models 5. Automation and Self-Service 6. Modular and Extensible 7. Collaborative Ecosystem |