

Application of VE in Healthcare Services: An Overview of Healthcare Facility

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Abstract : In Healthcare facility designing, Efficient MEP services are very crucial because the built environment not only affects patients and family but also Healthcare staff and their outcomes. This paper shall cover the basics of Value engineering and its different phases that can be implemented to the MEP Designing stage for Healthcare facility optimization, also VE can improve the product cost the unnecessary costs associated with healthcare services. This paper explores Healthcare facility services and their Value engineering Job plan for the successful application of the VE technique by conducting a Workshop with end-users, designing team and associate experts shall be carried out using certain concepts, tools, methods and mechanism developed to achieve the purpose of selecting what is actually appropriate and ideal among many value engineering processes and tools that have long proven their ability to enhance the value by following the concept of Total quality management while achieving the most efficient resources allocation to satisfy the key functions and requirements of the project without sacrificing the targeted level of service for all design metrics. Detail study has been discussed with analysis been carried out by this process to achieve a better outcome, Various tools are used for the Analysis of the product at different phases used, at the end the results obtained after implementation of techniques are discussed.

Keywords : value engineering, healthcare facility, design, services

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