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(57) Abstract :
To achieve the aim of producing a functional and convenient multipurpose container. We and as well synthesized the different possible design solution and concepts. We carried out the analysis of different container component part of the container to determine their design's based on working and functions. We used available local material and tool from a store workshop. Next, the parts were assembled and fabricated to the working condition. To ensure the achievement of best performance, interactive procedures, were carried out. To achieve this preliminary experiment was carried out to determine the optimum heating, cooling, rpm of mixer blade and the wavelength of the UV-C light of this container's various design alternatives for achieving the design solution were synthetized and a choice of an economic method which would satisfy the efficiency was made. Based on the principles guiding the performance and efficiency of the Container, the designs, dimensions, sizes and position of the various components were established. Then, the container was then assembled.

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