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Multipurpose Wheelchair

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Abstract: *The objective of the project was to develop a low-cost multipurpose wheelchair aimed at enhancing mobility and improving the quality of life for individuals experiencing difficulty in walking. The tool enables the patient to be lifted directly from the bed, thereby assisting in the reduction of pressure injuries. In addition to lowering costs, the intention was to diminish pressure injuries and falls through the use of our device. The wheelchair can be utilized both indoors and outdoors, adding to its multipurpose functionality. Upon completion of the project, the goals were successfully achieved. In the wheelchair, what was aimed for has been accomplished. A superior multipurpose wheelchair with all necessary safety features has been created. Secure data transfer is enabled through low-cost, high quality measures.*

Keywords: Adjustable Height, Foot rest, Bed

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