

MOTORIZED WALKING STICK

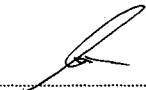
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A project report submitted in partial fulfillment of the requirements for the award of the degree of Diploma of Electrical Engineering (Electronics / Telecommunications / Instrumentations / Computer)


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“I declare that this report entitled “Motorized Walking Stick” is the result of my own group research except as cited in the references. The report has not been accepted for any degree and is not concurrently submitted in candidature of any other degree.”

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ABSTRACT

The motorized walking stick is designed to help people with walking disabilities travel more quickly and while exerting energy. Today, the existing walking stick is used by the elderly and handicap with walking difficulty. Using the existing walking stick is somewhat troublesome because they need to use a lot of energy lifting the walking stick forward. The existing walking stick is also of a significant weight which would be considered heavy for an older, weaker person to lift repeatedly. The motorized walking stick project is the solution which the elderly and handicap can use as a walking aid. The motorized walking stick is a project which is based on the existing 4 legged walking stick, also known as a reciprocal walker. It is then outfitted with a system which allows it to move by simply utilizing 3 buttons. The motorized walking stick also has a standing platform which allows the user to travel while standing on it.

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