

ABSTRACT

World Health Organization (WHO) defined stroke as a "neurological deficit of cerebrovascular cause that persists beyond 24 hours or is interrupted by death within 24 hours". In the busy world the stroke patients are been neglected and due to their disability. The victims always need to depend on someone for their every day today life activity. Generally, a stroke patient has to do exercises 3 times a day, but visiting physiotherapist 3 times a day is impossible. So to help them, an idea has been developed and named Strenuous Therapist to overcome this practical problem. Foremost objective of this design is to self-help the stroke patients to overcome their disability through this automated device and to develop their self-confidence. This device is made for the concern of the stroke patients. It provides passive exercises for hands. This device can do exercise by bending and stretching the elbow. This device helps the patients to do their exercises on their own without depending upon others.

Key words: Strenuous Therapist, stroke patients, automated device for stroke patients, etc.