



RNS Institute of Technology

(VTU Affiliated, AICTE Approved, NAAC 'A' Grade Accredited)

Dr. Vishnuvardhan Road, Channasandra, RR Nagar Post, Bengaluru – 560098

Department of Electrical and Electronics Engineering

(NBA Accredited for the Academic Years 2018-19, 2019-20, 2020-21 and 2021-22)

Project: Stair lift

Title	Stair lift	
Student's name	1RN16EE046 1RN16EE049 1RN16EE050	Tejaswi KK Vikash Kumar Vikram V
Guide	Mrs. Kokila R	
Year	2019-2020	

A staircase elevator is a platform that glides up and down a staircase on a motorized rail. While going up and down the stairs, safety, comfort, and ease of use are of utmost importance. Staircase is a barrier for elderly and physically disabled people. Hence a prototype model for helping such people has been built. This model can be installed in residential places and offices to help such people. It can also be used in small scale industries to lift heavy loads. This model is built in such a way that a person can stand on it or load can be placed on it and the platform glides on the railing thus helping people move up / down the stairs. The prototype model built can lift smaller loads of up to around 20kg. The model can be used in places where it is difficult to install an actual elevator or an escalator due to insufficient availability of space or low budget.