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Guided By

**PROF. J. B. PATEL/
PROF. H. C. PATEL**

SMT. S. R. PATEL ENGINEERING COLLEGE, UNJHA

Project Title

DESIGN AND DEVELOPMENT OF AUTOMATIC WHEELCHAIR AND BED FOR OLD-AGE HOME

Abstract:

The need for automatic Wheelchair is especially present in care of immovable people (people with persistent vegetative state, paraplegia, stroke and spinal cord injuries), where the care requires a lot of time and manpower. This report is the result of a design and development of an automated multifunctional Wheelchair that would perform all functions present in today's Wheelchair (Wheelchair with adjustable portion of back rest and leg rest and also convert to bed to wheelchair and vice versa and also remote control with which we can provide all necessary movement) as well as new functions of appropriate Wheelchair sections (leg positions adjusting). It is expected that this new automatic Wheelchair would enable people's better medical care, and would greatly reduce time and manpower to the old-age home staff.

Prepared By:

Sr. No.	Student Name	Enrollment No
1	RUSHABH J. SHAH	110780119038
2	JIMMY R. PATEL	110780119042
3	HIREN M. PATEL	110780119002
4	HARDIK B. PATEL	110780119047

