



BENGALURU CITY UNIVERSITY

Graduation Project Report On

Doro Personal Transporter

by

JOEL JOHN JOHNSON

Submitted in partial fulfilment of the requirements for
the degree of Bachelor of Visual Arts, Product Design

ACHARYA SCHOOL OF DESIGN

2018-2022

Under the guidance of Project Coordinator



BENGALURU CITY UNIVERSITY

DEPARTMENT OF PRODUCT DESIGN

DESIGN STUDIO PROJECT REPORT

DORO PERSONAL TRANSPORTER

BACHELOR OF VISUAL ARTS

8TH SEMESTER- 4TH YEAR

ACHARYA SCHOOL OF DESIGN

UNDER THE GUIDANCE OF STUDIO PROJECT CORDINATOR

Prakash

ABSTRACT

Personal Mobility is an ever-expanding domain and has gained more relevance in the post covid, socially independent yet interconnected society, where people are showing preference to fulfil tasks independently.

DORO - Domestic Rover Personal Transporter is designed to facilitate quick and accessible transportation for individuals in and around suburban housing projects, corporate and educational campuses, hospitals and transportation terminals. An ecosystem of independent, easy to use personal transporters to ferry users and their carry-ons for short distances, one at a time, is what is conceptualised here with the DORO project. Featuring a cluster of electric, stackable single user personal transporters, the DORO is aimed at enabling the next step in accessible, personal mobility for young adults and seniors alike.

Table of Contents

1. Acknowledgement
2. Abstract
3. Synopsis
 - 3.1. Domain -Personal Mobility
 - 3.2. Aim/ Objective
4. Table of Contents
5. Methodology
 - 5.1. Definition
 - 5.1.1. Personal Mobility Market
 - 5.1.2. Indian Public Transport
 - 5.1.3. Market Study/ Benchmarking
 - 5.1.4. User Demographic
 - 5.1.5. Design Statement
 - 5.2. Ideation
 - 4.2.1 Brainstorming
 - 4.2.2 Sketches
 - 4.2.3 Concept Creation
 - 4.2.4 Concept Evolution
 - 4.2.4 CAD
 - 4.2.5 Bill of Materials
 - 4.4. Prototyping
5. User Testing
6. Potential Iterations
7. Bibliography