



CREATIVE MINDS

IDEA OF A NOVEL FRUGAL
PRODUCT



OUR TEAM

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MOTIVATION

25000

passengers use stairs in
railway stations

47%

Luggage among overall usage
of bags



Osteoarthritis

Joint pains from carrying heavy
luggage

Inconvenience

Due to fixed structure of hard
trolleys



PROBLEM STATEMENT & OUR GOALS

➤ To help people lift their heavy bags easily

➤ To prevent falling off the hand trolley when it gets out of control

➤ To decrease human labour and damage to trolley



OUR PRODUCT

COMPONENTS

Conveyor Belt Rollers

Coupler

Buckle Belts

Metallic Plates

Tilting Handle

MATERIALS USED

01

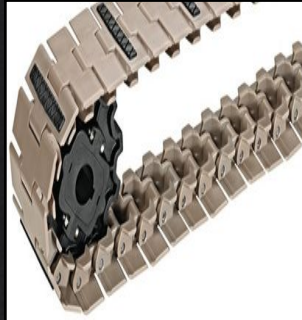


Plate

Aluminium

Rs. 1560/sqm

02



**Wheels +
Conveyor**

Polyurethane

Rs. 850/sqm

03



Handle

Aluminium,
Plating: ABS

Rs.150/piece

04



**Buckle +
Belt**

Nylon

Rs.100/piece

05



Coupler

Steel

Rs.35/piece

COST STRUCTURE

Material	Units	Cost (in Rupees)
Aluminium plate	256 sq cm	40
Conveyor belt	240 sq cm	530
Wheels	10 per plate	100
Buckle+Belts	2	200
Coupler	2	70
TOTAL		940

THANK YOU