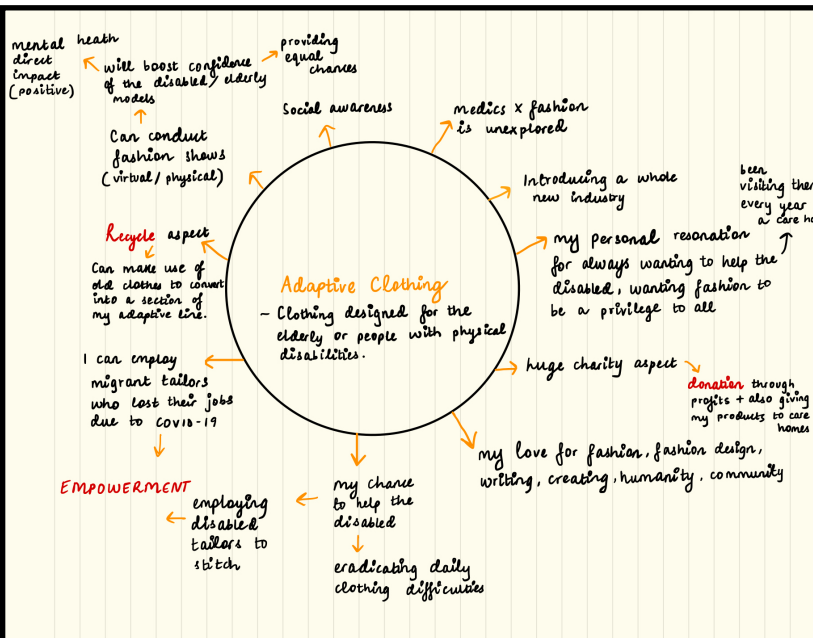
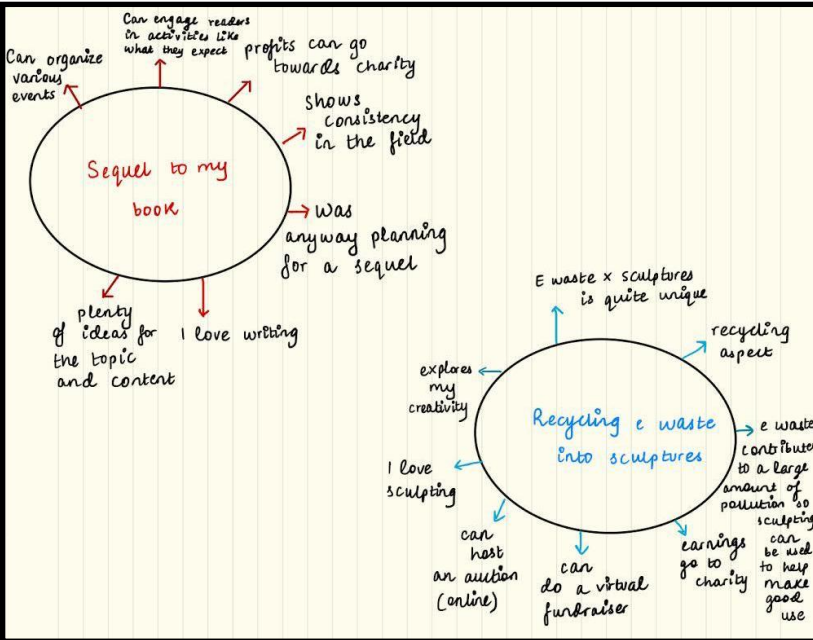


Appendix:

A1- Prior Ideas Comparisons:



A2- Survey form for Doctors, Patients, Caretakers

Questions Responses 18

Questionnaire for my Adaptive Clothing Range

Hello! Could you please spare a few moments to help me for my survey. Thank you!

Email address *

Valid email address

This form is collecting email addresses. [Change settings](#)

What is your full name? *

Short answer text

Which category do you belong in? *

☐ Doctor

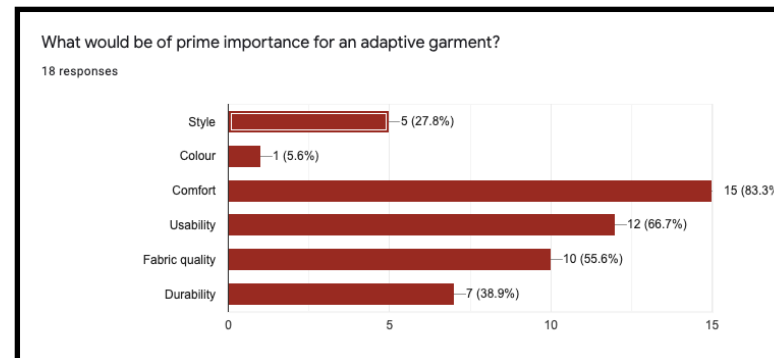
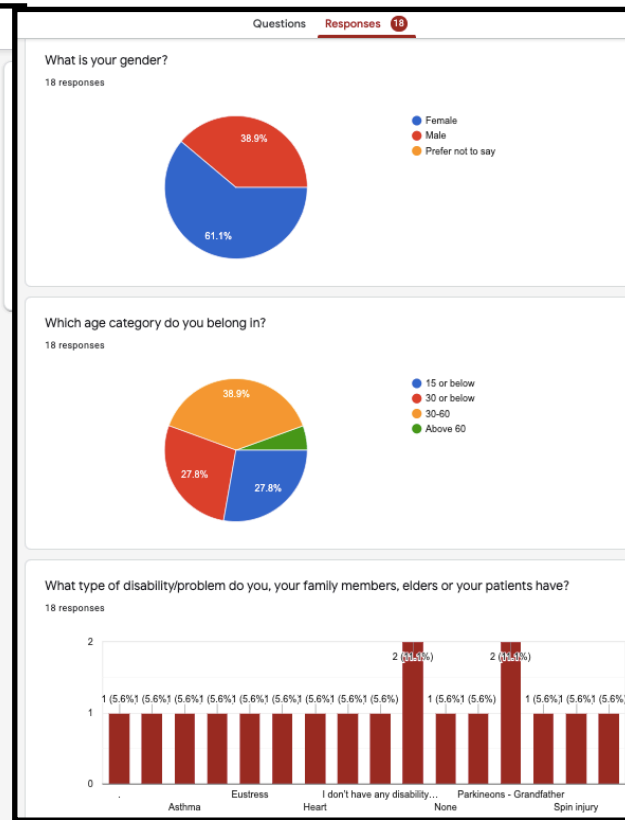
☐ Patient

☐ Caretaker/Family

☐ Other...

What is your gender?

☐ Female

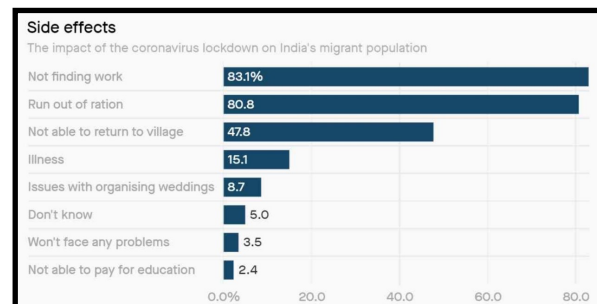


A3- Need Assessment for Adaptive Clothing, Recycle, Empowerment

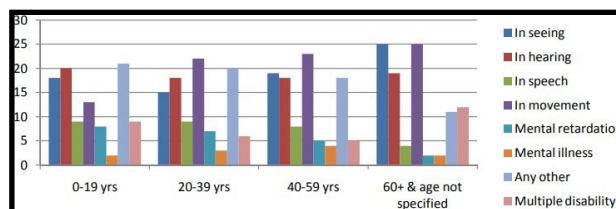
Need for recycle
Where do you discard your clothes?- Garbage
Have you ever worn recycled clothes? - NO
Do you know where your discarded clothes end up? - NO
Have you ever seen a landfill? - NO
Have you ever donated your old clothing? - NO
Do you believe in recycling for betterment of the environment? - YES

Need for disabled clothing
Can you dress independently? - NO
Have you ever used functional clothing? - NO
Is stylish clothing available for your disability? - NO
Are you socially involved in activities? - NO
Do you feel that clothes affect your mental state? - YES
Do you engage in physical activities? - YES
Do you believe that clothes play an important role in wellbeing? - YES
Do you feel you blend in your environment - NO

Need for empowerment
Have you lost your job due to the pandemic?- YES
How are you managing daily expenses? - Through donation
How many members of your family are dependent on you? - 5
Do you need a job to support you? - YES



A3.1



A3.2

DISABLED TYPE	MALES	FEMALES	TOTAL
In Seeing	2639028	2394403	5033431
In Hearing	2678584	2394330	5072914
In Speech	1122987	875705	1998692
In Movement	3370501	2066325	5436826
Mental retardation	870898	635066	1505964
Mental Illness	415758	307122	722880
Multiple Disability	1162712	953986	2116698
Others	2728125	2199464	4927589

A3.3

A3.4- SMART GOAL



I want to accomplish the design, production, profit generating sales of easy wear clothing for patients/elders. I'm planning for a global outreach through recycling of clothes, donation towards a cause as well as empowerment of tailors affected due to pandemic. The clothes collection and production will be done in Mumbai alongside offering global online sales of this adaptive clothing. I want to create adaptive clothing to help patients overcome the struggles of daily dressing and to promote easy wear. My biggest constraint is the pandemic as there are many limitations such as lockdown in my city.

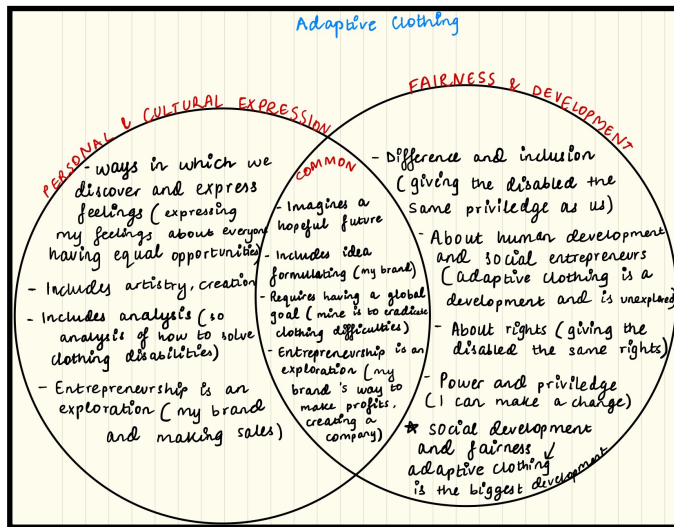
I will pitch to donate my first lot of adaptive clothing to an ngo by September. I will finish sampling 10 products within the next one month. I will know that I have attained my goal when I donate 20,000 rupees to a hospitable trust by the end of January.

I could not take measurements of patients in the ngo due to the pandemic and social distancing so I decided to use standard sizes. I also could not have all my tailors under one roof due to the pandemic and so we decided to work remotely across India. Thus, my goal is attainable.

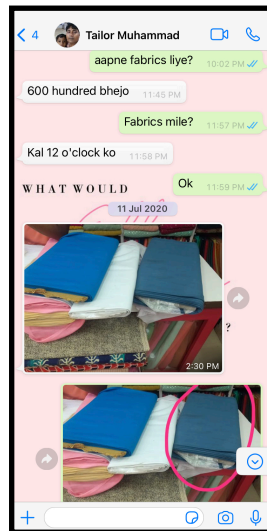
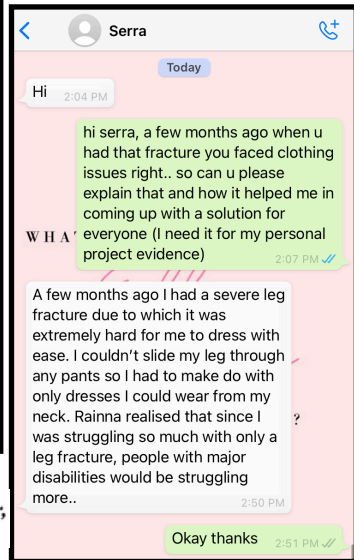
The goal is realistic as India lacks an adaptive industry and therefore I'm contributing to a huge missing factor. Due to the pandemic, coming together for a fashion show would be difficult and hence I would be conducting a virtual fashion show instead.

I plan to accomplish the goal by November by making enough sales to gather the profit which would then provide for the donation for the needy disabled. The initial investment however, needs to be gathered through family sponsors by August via an online fundraiser conducted by me.

A4- Comparison Between Two Global Contexts



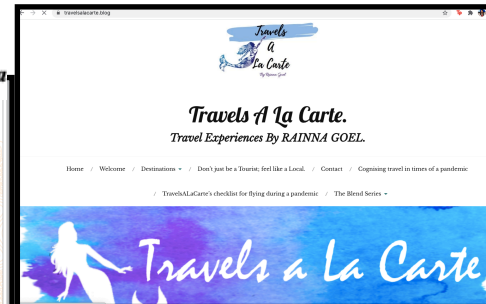
A5- Personal Interest A6- Communicating



A7- Prior Learning



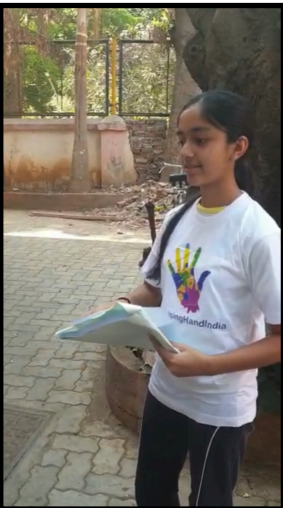
A7.2-Runs a travel blog



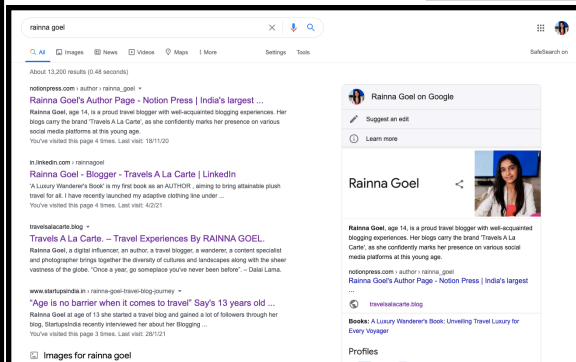
A7.9-'Academic & Business Writing' course by UC Berkeley



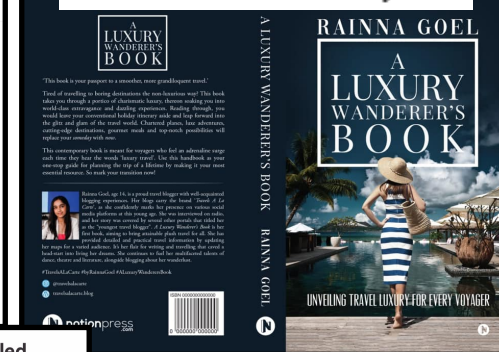
A7.6-Active volunteer at an NGO



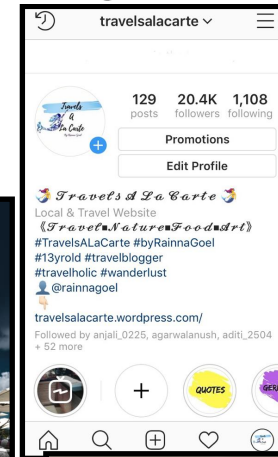
A7.3-Been a travel blogger, digital influencer, content specialist (past 3 years)



A7.4-Written a book on luxury travel



A7.5-Experience with social media



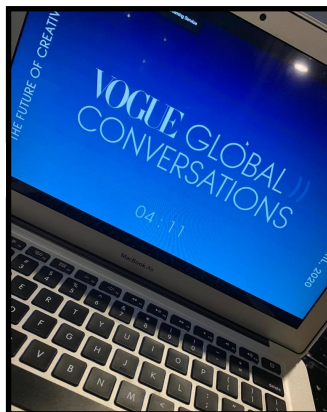
A7.7-Assisted in product photoshoot for 'Redone It'



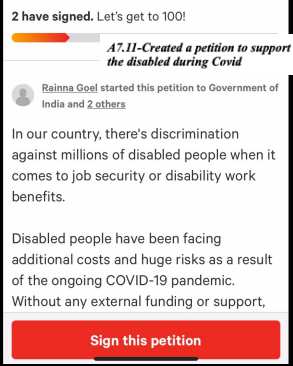
A7.12-Visited an autism school, interacted with the children



A7.10-Webinar with Vogue Global Conversations and Anna Wintour



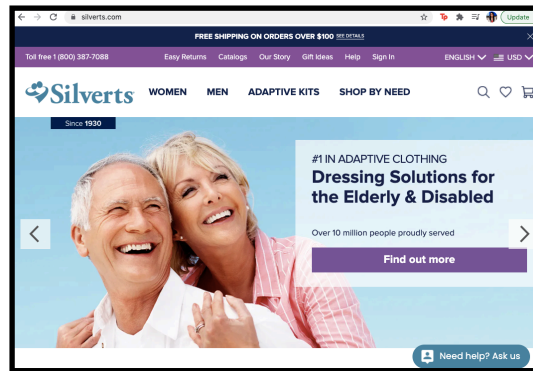
Supporting the disabled during the time of COVID crisis



A7.8-Assisted in product selection for 'Everything Scube'



A8 - Analysing Existing Products



A10- Subject Specific

Mathematics:

$$\bullet \text{ SP} = \frac{100+P}{100} \times \text{CP}$$

$$\bullet \text{ SP} = \frac{100-L}{100} \times \text{CP}$$

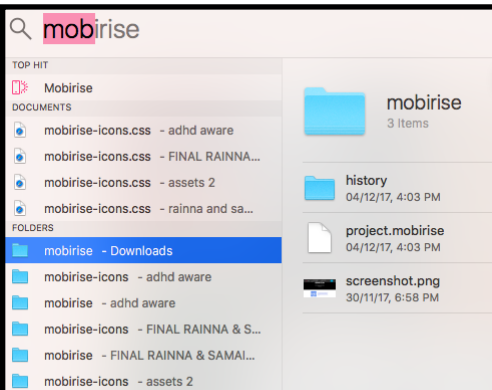
$$\bullet \text{ CP} = \frac{100}{100+P} \times \text{SP}$$

$$\bullet \text{ CP} = \frac{100}{100-L} \times \text{SP}$$

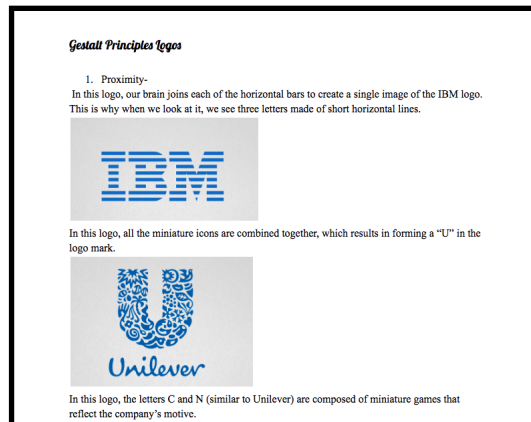
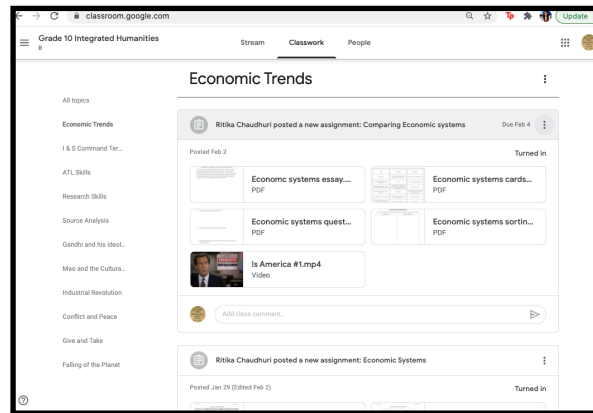
$$\bullet \text{ Discount} = \text{MP} - \text{SP}$$

$$\bullet \text{ SP} = \text{MP} - \text{Discount}$$

Design:



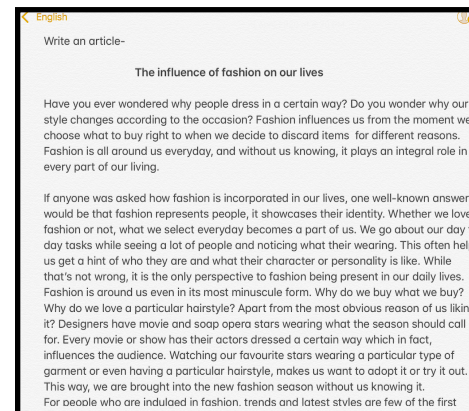
Integrated Humanities:



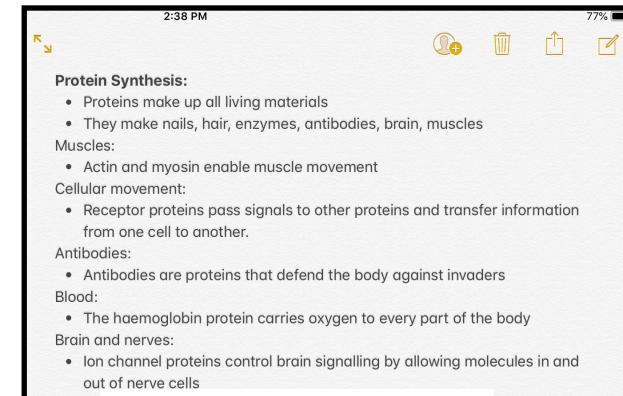
A9 - Goal development

Initial Goal	Final Goal
To research disabilities and thereby innovating functional yet modish adaptive clothing wear for individuals with medical conditions in order to help them overcome difficulties of daily dressing. Alongside, recycling old garments by empowering unemployed pandemic-stricken migrants, disabled tailors for earning profits of 20,000 rupees through sales for donation to Spark home for the disabled.	To research physical disabilities and thereby create adaptive wear for individuals with medical conditions by up-cycling old clothes through the empowerment of pandemic-stricken disabled migrant workers. Thus, earning profits of 20,000 rupees by selling the clothing and using it for creation of more adaptive wear to donate as patient clothing to the charitable foundation hospital trust.

English:



Biology:



Appendix B3- Defining Goals

Appendix B1- Denim Recycling



Short-term goals

1. Run a survey through doctors and differently abled individuals for clothing needs.
2. Branding and social media existence
3. Run a collection drive for old clothes
4. Upcycle the collected clothes into adaptive style samples.
5. Finalising tailors and sampling their work.
6. Understanding requirements of medically comfortable fabrics and sourcing them.
7. Creating the initial sampling and finetuning the sizing.
8. Garment photoshoot for the social media and website.

Long-term goals

1. Create the whole collection and categorize them as per need and ailment with reference of survey results.
2. To design 20-30 upcycled garments out of the donated clothes and list them in the preloved category on the website.
3. To empower 8-10 disabled tailors through job creation.
4. Set up the website and incorporate online purchase.
5. To donate 80-100 patient garments to charitable hospital trusts.
6. To conduct a virtual or physical fashion show depending on the pandemic situation.

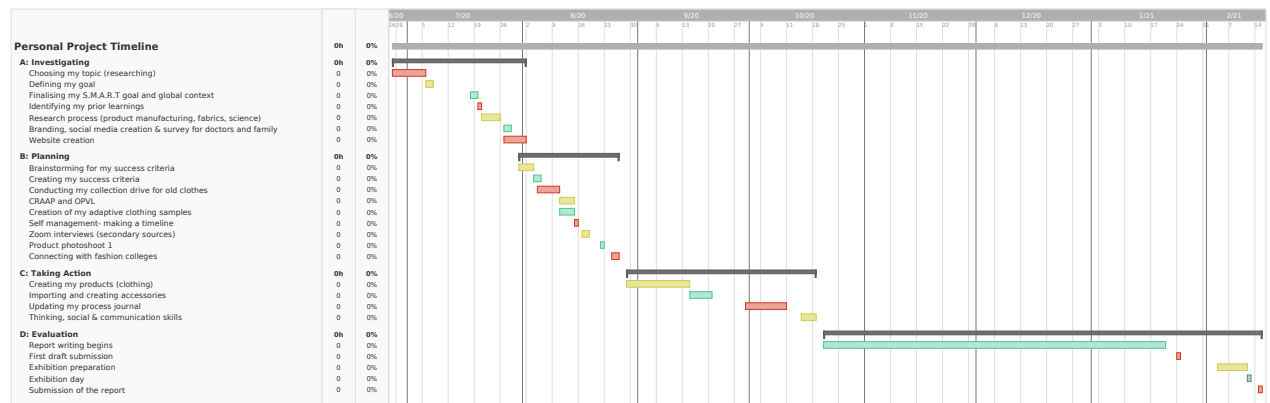
Appendix B2- Success Criteria

Criteria	0	1-2	3-4	5-6	7-8
Aesthetics	-Visually unappealing product -Dull colours -No adaptive features	-Bright colour tones -Adaptive features like velcro	-Clothes are of printed fabrics -Have multiple adaptive features	-Clothes have extensive aesthetic value and visual appeal -Garment adaptive implications are on point	-Extensive, multiple adaptive features -Designer fashion element -Problem solving focus -Easy to put on & off -Long lasting durability & usability
Cost	-Zero sales -Zero profits -High costs	1y-High pricing -1 to 2 sales	-Few sales -Loss	-Cost recovery -Labour wages cleared	-Higher sales -Profits made -Cost recovered -Donations made -Capital generation -Labour expansion -Lower costs
Customer/ Target Audience	-No specified audience -Products made without specifics	-Elderly and disabled audience -No age range	-Disabled children & adults -Consumer needs not researched	-Market value and consumer needs defined -Disabled audience	-Disabled children, adults, elderly -Consumer needs researched -Preferences considered
Sustainability	-Not environmentally friendly.	-Only recycle aspect from the 6 R's	-Recyclable -Less landfill pollution	-Less landfill pollution -Not sustainable	-All 6 R's included -Eco friendly -Sustainable
Size	-Size isn't wearable	-Standard size clothing -Less options for customers	-Small, medium, large -Not comfortable	-Comfortable -Sizes aren't customizable	-Customized sizes -Measurements taken -Very comfortable
Safety	-Some parts are hurtable -Choke hazard	-Known hazards -Some parts could still hurt	-Loose ends of product -Velcros could poke -Hazards made aware of	-No risks -However, easily broken	-Fully safe -0 to 1 hazards -Clothes reusable, nothing breaks
Function	-Function not defined	-Function: to make dressing easier for the disabled -Fasteners don't work	-Function defined -Basic features like buttons work	-Function defined -Fashionable & trendy -Features like velcros work	-Function defined -Clothes function -Innovative features: magnetic closures, fasteners
Material	-Material isn't usable	-Basic cotton -Easy to wear	-Bright cotton -Aesthetic appeal decor	-Pure cotton medically approved -Printed fabrics for aesthetic	-Crease free 100% cotton -No difficulties in dressing -Sourced from manufacturers -Aesthetic appeal
Website	-0 clicks -Not functional	-Basic layout -Basic function	-10 to 15 clicks -Not user friendly	-Over 50 clicks -Good technicality	-Atleast 200 clicks -Very attractive

B4- Source Analysis

SECONDARY SOURCE ANALYSIS	1- https://www.washingtonpost.com/health/for-people-with-disabilities-finding-clothing-that-is-stylish-and-meets-their-needs-is-getting-easier/2019/08/02/1889990a-87cf-11e9-98c1-c945ae5d8d1b_story.html	2- https://www.forbes.com/sites/deborahweinswig/2018/04/23/adaptive-clothing-designers-are-innovating-like-amazon-by-putting-the-customer-first/3042b62d6f07
C-	Published on August 3rd, 2019. It is a recent cover for my topic of adaptive wear and all its links are functional.	-Published on April, 23, 2018, it is applicable to my topic and current as well and the links are functional too.
R-	This Washington Post article is relevant & reliable for my topic as it talks about fashion forward adaptive clothing & its importance. The intended audience is those with disabilities & those in or looking into the fashion industry. The author of the article has used primary sources through interviews of people in the field of adaptive clothing & Washington Post is well-reputed. I'm citing this as it emphasises on the unmet demand of styled lines of adaptive clothing.	This Forbes article is relevant & reliable for my topic as it talks about what adaptive clothing is, its impacts on the fashion business industry & the world, its features, case studies and pioneers in the field of this innovation. The target audience is adaptive clothing customers & people in the fashion industry or those looking to enter the adaptive field. The author of the article has included primary sources through interviews of people like designers & customers; has cited other sources as well. It's very evidential, factual, references provided.
A-	Author is Annie Groer, an experienced journalist writing for a reputed magazine. Focuses on arts, design & politics & has written for magazines & newspapers like The Huffpost, The Independent, National Post, New York Times and The Washington Post itself. This shows that she's qualified. She provides several sources like an interview with the famous Canadian designer, Izzy Camilleri. Contact info is given at the bottom of the page.	Author is Deborah Weinswig, a proficient journalist, writing for Forbes, the best business mag. She writes about retail (clothes, beauty etc.) which shows that she's qualified to write about this topic. She's an award-winning global retail analyst and a specialist in retail innovation & technology. She provides references to interviews she conducted with designers & also cites the US Census Bureau. Info about her is given at the bottom of the page.
A-	There are reliable sources like interviews with fashion designers & psychology professors from universities like John Hopkins. The info can be verified from brands like Tommy Hilfiger who also have an adaptive clothing line. It's unbiased because it's a compilation of people with adaptive and garment design expertise. There are no typographical errors.	The most reliable source, the US Census Bureau, is cited in the article, as are case studies about fashion designers like Camila Chiriboga. The info can be verified from other sources. It's unbiased as it contains case studies and first-hand interviews. There are no typographical errors.
P-	The purpose of this is to familiarize everyone with the need & demand of adaptive clothing. The information is based on facts & insights from people who work in this field & have experience in this avenue. The detailed functionality of velcro fasteners and magnetic buttons states in-depth understanding of the garment needs.	The purpose of the information is to showcase the impact of adaptive clothing on the market, its market value, its background and uniqueness. The info is fully based on facts and knowledge from people who are experienced in the adaptive clothing field. There is no bias in this article.

PRIMARY SOURCE ANALYSIS	1: https://www.youtube.com/watch?v=WlsTT2fFY9E	2: https://www.youtube.com/watch?v=c2Ma-l7SNKw
Q:	It's an interview of 3 people living with disabilities and the stories of their brands that revolutionized clothing for the disabled. It's by 'CNBC Make It', a famous business channel. Published on 19th September, 2018.	Talks about the technology of adaptive clothing and how popular brands are mainstreaking it to make a great revolution in the fashion industry. It's by 'Wall Street Journal', a top-tier American newspaper. Published on 6th July, 2016.
P:	The purpose of the collection of 3 interviews was to show the world how fashion can be fixed for people with disabilities. The intended audience was design & clothing companies, the fashion business industry & the disabled population. Published as a video since it's a collection of spoken interviews. Shown as a video to let the audience see how the disabled population struggles with clothing on a daily basis. It's unbiased however it is based on an amalgamation of statistics and opinions.	The purpose of this interview was to introduce adaptive clothing to the world, explaining its revolutionary features and benefits for the disabled people and how the fashion industry is slowly planning to incorporate adaptive wear into every segment. The intended audience was design and clothing companies, the fashion business industry as well as the disabled population. The purpose is clear and is based on facts. It's unbiased however it does include some opinions.
V:	The info is really valuable as it shows first-hand clothing difficulties and disabled people themselves talk about their struggles. It can be applied to my topic as I can get a better understanding of the difficulties the disabled face in terms of clothing and what according to them is the optimum solution via adaptive clothing, individualistic to their needs. Can be verified from other sources.	The info is valuable as it's an interview by a WSJ fashion columnist. It can be applied to my research as it can help me understand the market, the adaptive value better and I can understand the kind of features I need to incorporate while designing my adaptive line by keeping in mind the discomforts and disabilities. The information can be verified from other sources.
L:	Really reliable as it's published on CNBC, a top-notch news/business channel. There aren't major limitations as the article is not biased. However, since they're interviews, they are subjective and have the limitation of opinion, thus the clothing difficulty could be different from person to person.	The source is completely reliable as it's published by and on Wall Street Journal, one of the best American newspapers. There aren't major limitations as the article is not biased. However, at one point, the journalist does talk about her personal experience with disabilities and thus she may be talking in favor of adaptive wear.



A Gantt chart

B5- Timeline

B Document

End of July- Samples should be ready of new clothes, survey to doctors and disabled, printables to be ready
Beginning of August- open social media
August 2nd- doctor interview
August 3rd- Collection drive banner edit
August 4th- collection drive
August 6th- zoom calls with doctors
August mid- Finalise Ngo, tie up with fashion houses
August 14th- zoom call with the disabled people
August 12th- List of prior learnings, final goal, success criteria, global context
August 15th- Collection drive clothes must be converted into samples
End of August- product photoshoot 1
September 1st- Students to submit their detailed success criteria, and also the evaluation of any 2 primary and 2 secondary sources
September 15th- Accessories must be imported
October beginning- Ngo work begins
October 2nd- Project report begins

CLIENT REQUIREMENTS

THE CUR8ABLES

FULL NAME:

PHONE NUMBER:

PROBLEM:

CLOTHING REQUIREMENT:

AGE CATEGORY:

THECUR8ABLES@GMAIL.COM

THECUR8ABLES@GMAIL.COM

@THECUR8ABLES

WHO WE ARE

ADAPTIVE
Our clothing offers unique designs keeping in mind the dressing needs of the elderly and disabled who face sensory and physical limitations.

RECYCLE
We incorporate both new and recycled garments & fabrics into our adaptive clothing range.

EMPOWER
We create employment opportunities for the migrant tailors who lost their jobs due to the pandemic.

DONATE
The Cur8ables is a non-profit concept with all our proceeds towards providing resources for the disabled.

Clothing with:

- Magnetic closures
- Elasticized Pants
- Velcro openings
- Wrap arounds
- Adjustable hems

And more for:

- Elderly
- Patients
- Physically disabled

www.thecur8ables.com

thecur8ables@gmail.com

ADAPTIVE CLOTHING FOR THE DIFFERENTLY ABLED

Swollen feet wear

Magnetic Closures

Elasticized pants

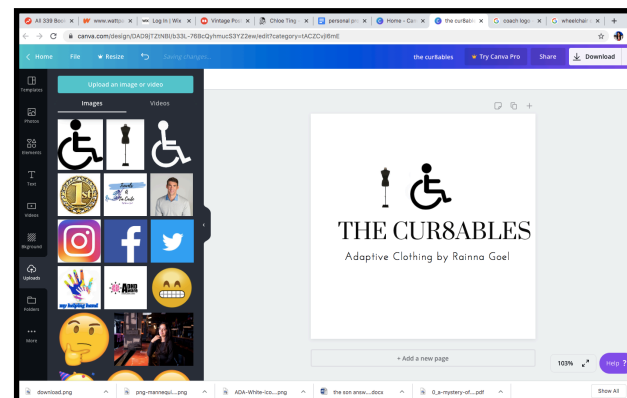
Velcro openings

- Wheelchair clothing
- Senior clothing
- Handicapped clothing
- Geriatric clothing
- Alzheimer's Clothing
- Parkinson's Clothing
- Contracture Clothing
- Shoes & Accessories

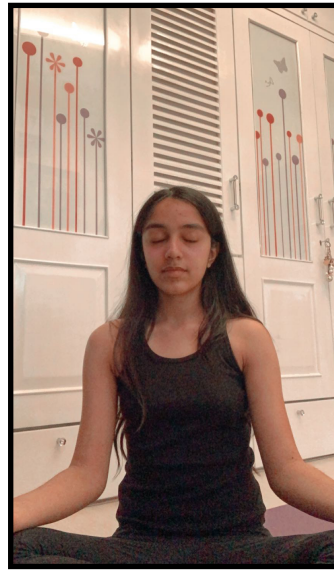
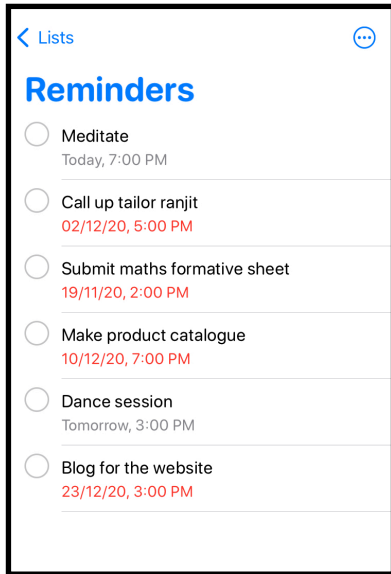
CONTACT US:
THECUR8ABLES@GMAIL.COM
WWW.THECUR8ABLES.COM
[INSTAGRAM: @THECUR8ABLES](https://www.instagram.com/thecur8ables)

OUR COLLABORATIONS

B6- Creation of posters for branding & organisation



B7- Self management technique



C1- Collection Drive & Production



Collection Drive



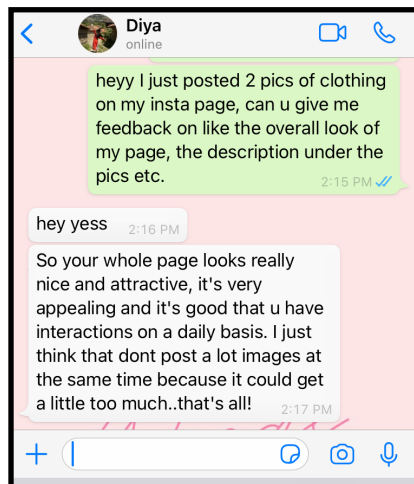
Fabric Sourcing



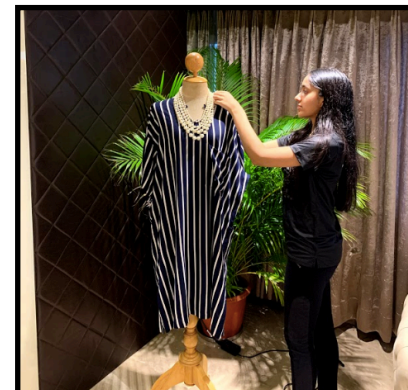
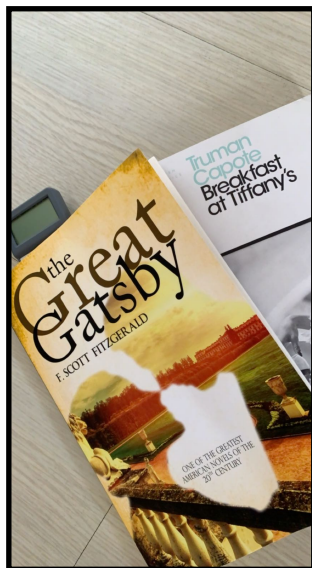
Visiting the tailors

B8- Feedback from a friend / Books I read

B8.1



B8.2



Product photoshoot



Empowerment of Tailors

C2- Costing & wages sheet under organisation

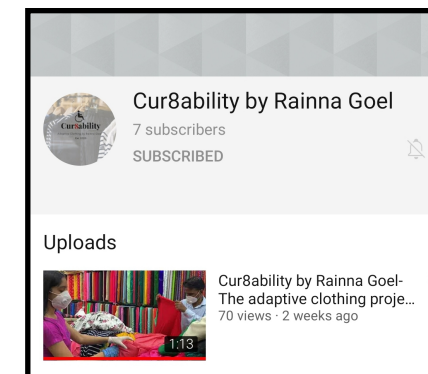
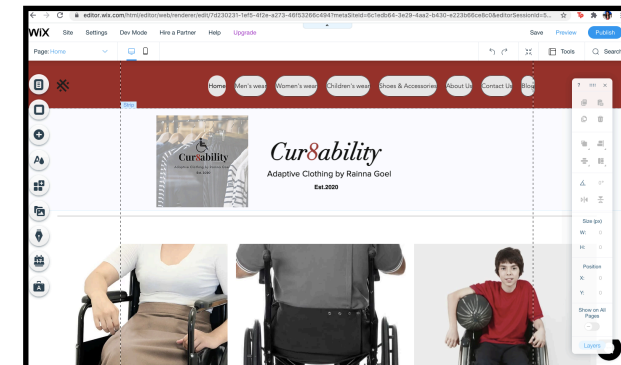
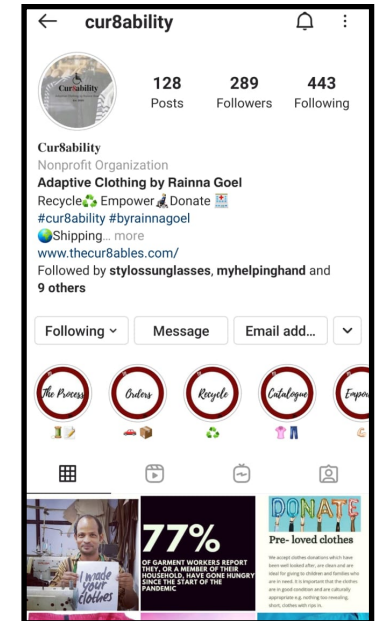
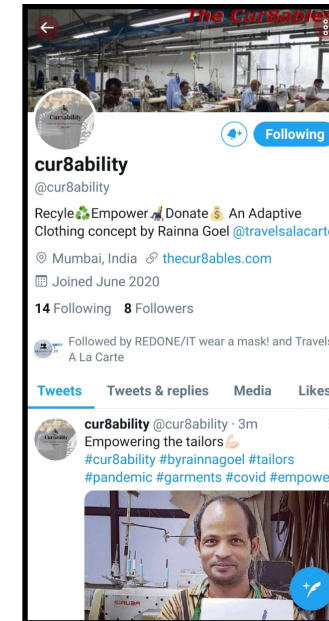
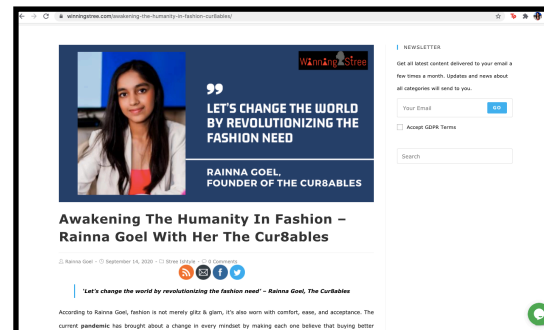
SAMPLING COSTS (Rs)			
Back flap tee for polio & paralysis (navy blue)			
	Price/unit	Total units consumed	Total cost
Fabric	150	1.5m	225
Buttons/Velcro	5	B-2	10
Rentals	100	-	100
Tailoring	600	-	600
Miscellaneous:	50 (transport)		
Grand Total=			985 Rs

Adaptive top for loco motor disability (red)			
	Price/unit	Total units consumed	Total cost
Fabric	100	1m	100
Buttons/Velcro	10	B-4	40
Rentals	100	-	100
Tailoring	580	-	580
Miscellaneous:	45 (scissors)		
Grand Total=			865 Rs

Shoulder Velcro jersey shirt (dark blue)			
	Price/unit	Total units consumed	Total cost
Fabric	150	1.5m	225
Buttons/Velcro	10	V-1.5m	15
Rentals	100	-	100
Tailoring	630	-	630
Miscellaneous:	90 (meal)		
Grand Total=			1060 Rs

Women's maxi with side opening (striped)			
	Price/unit	Total units consumed	Total cost
Fabric	200	2.5m	500
Buttons/Velcro	10	V-1.5m	15
Rentals	100	-	100
Tailoring	700	-	700
Miscellaneous:	100 (meal)		
Grand Total=			2115 Rs

WAGES CHART FOR SAMPLING (Rs-30 per hour)							
20 th -24 th July							
Name	Hours worked (Mon)	Hours worked (Tues)	Hours worked (Wed)	Hours worked (Thurs)	Hours worked (Fri)	Total hours worked	Weekly wages
Rajesh Pandey	2	3	2	2	3	12	360
Kavita Patel	1	2	2	3	2	12	360
Shilpa Sharma	2	3	2	1	2	10	300
Ram Thakur	2	-	-	3	3	8	240
Rajat Yadav	-	2	2	1	-	5	150
Sarita Mishra	2	1	2	-	1	6	180
Ramani Yadav	3	3	-	2	1	9	270
Vasudha Naik	2	-	2	3	4	11	330
Rama Mandal	1	1	-	2	2	4	120
Manit Patel	2	2	-	1	2	7	210
Natwar Kumar	2	2	2	-	-	6	180
Devi Srivastav	1	2	2	2	1	8	240
TOTAL=						2940	



C2.2- Journal Entries

11. 25th July, 2020 (Designing & Fabric sourcing)

What I did-

- Revisited the notes and sketches I made during my intensive research at the beginning of the project.
- Thorough research on fabrics in accordance with the medical aspect.

Outcomes-

- Finalised 5 initial designs to be sampled as my products.
- Drew 5 designs to be given to tailors.
- Visited the store to purchase fabrics.

Reflection-

Product sampling is a very important step in a clothing brand as it helps the customer have live examples of what they would be expecting from the brand and at the same is the testing stage for the designer herself. At the beginning of the project, I conducted intensive research and made a lot of adaptive designs. I went back to it and selected 5 of my designs to be created as samples. I visited the store to buy fabrics while maintaining social distancing and cautions due to Covid-19. I purchased 5 medically approved cotton fabrics to be sent to the tailors along with my designs.

16. 24th August, 2020 (Innovating adaptive covid masks)

What I did-

- Brainstormed on ways I could solve the issue of the impact of covid on the disabled people.
- Researched on which disabled categories were affected due to covid.
- Thought of innovative modifications to covid masks to see if that could help.

Outcomes-

- Realised that the people with hearing disabilities would have trouble using masks
- Innovated a modification of "adaptive covid masks"

Reflection-

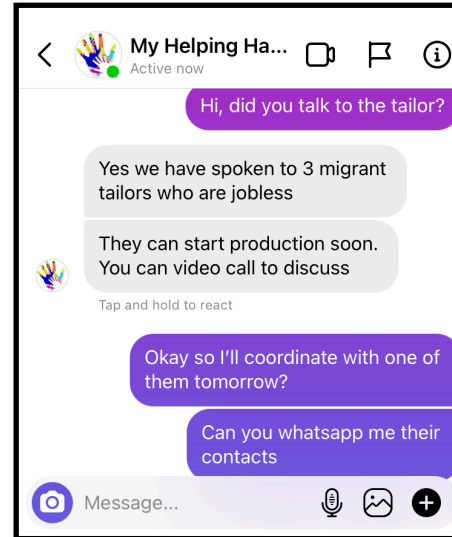
Covid-19 has impacted every one of us badly, not more than the disabled population. I decided to find a solution to this issue that can be incorporated in my adaptive brand. Wearing masks has become a norm and after researching, I realised that those with hearing disabilities would be facing a really hard time as they require reading lips to comprehend what the other person is saying. However, by having to wear masks, they would not be able to do so. Hence, I realised that I can modify the normal covid masks by making them transparent on the mouth. I thought that this way, reading lips is possible and I can manufacture and send my "adaptive covid masks" in bulk to ngos for the deaf.

C4- Go Pink (American Cancer Association)

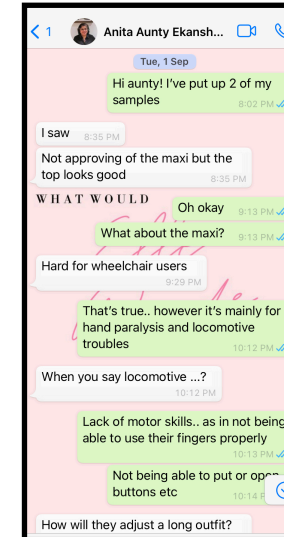


C5- Communication & Social Skills Through Networking

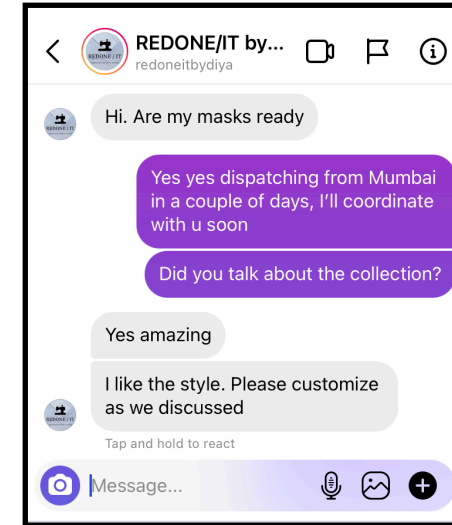
C5.1



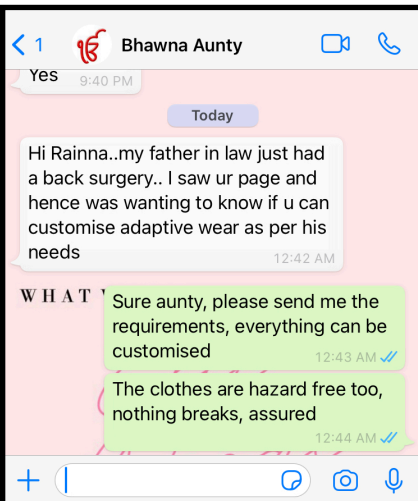
C5.2



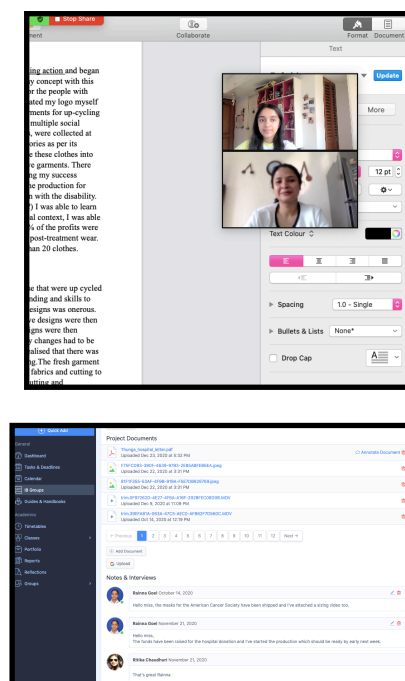
C5.3



C5.4



C5.5



D1- Final outcome of adaptive garments



D2- Goal attained

Product catalogue.pdf

MEN'S WEAR

Our men's dressing solutions include back open shirts, elastic waist pants, magnetic zipper jackets and wheelchair pants for the disabled. They are good for men recovering from an injury, surgery or those who experience paralysis, arthritis and Parkinson's etc.

WOMEN'S WEAR

Our women's adaptive clothing includes outfits with elastic waist pants featuring side zippers paired with coordinating back-snap tops, adaptive dresses, adaptive dresses etc. The clothing options feature snaps, zippers, elastic, velcro in order to simplify dressing and undressing.

OUR STORY

CURBABILITY brings together easy to wear, 'adaptive clothing' designed to address the dressing needs of the disabled. It has been curated by Rainna Goel with a goal to make dressing easier by offering a varied selection of affordable adaptive clothing, accessories and footwear.

From elastic, snaps, magnets, large buttons, easy zippers, drawstrings, velcro fasteners & custom made clothing, we carry it all!

Product catalogue.pdf

WOMEN'S MAXI WITH SIDE OPENING FOR SPINAL CORD INJURIES

Our women's side opening maxi is for wheel chair users and those with limited mobility, or spinal cord injuries. It's lined with velcro running through one side, making it fully detachable right from the shoulder through the length. Wheelchair users and people who are frail or bed ridden will find it easier to dress since the maxi provides ample scope for movement.

CUR 04

thecurables.com



Close

Chat

From Michael Gramlich to All Panelists and Attendees

Brilliant topic Rainna

From Kamlesh Dangi to All Panelists and Attendees

Liked the concept very much Rainna

From Ursula Sanghvi to All Panelists and Attendees

Very informative Rainna!

From Ritika chaudhuri to All Panelists and Attendees

excellent Rainna

From Bijal Shah to All Panelists and Attendees

Rainna well answered

From AYESHA PAWASKAR to All Panelists and Attendees

Fantastic topic Rainna

From Sonal Chabria to All Panelists and Attendees

Well done Rainna

Send to: All Panelists

Tap here to chat

Feedback From Audience