

# 2021 UpRising Projects

Find out how UpRising helps HSC students with their Major Design Projects and how industry can easily connect with education to create change.

## Pot Plant to improve plant growth



The main focus of this project is to design a product that will incorporate sound to increase the growth of indoor plants. Through this change of idea I am still able to make a positive impact on people all around the world. In helping people recover I am also able to help people Develop better mental health before they get into a bad situation. I would like your help in developing my idea and being able to get in contact with those who will be able to help my design develop into reality.

### Post Comment Comments

R Hainsworth @ 2021.02.17 10:44 AM

Brilliant idea Giselle. What materials are you thinking of using to create your building? Have you checked out the <https://www.architecture.com.au/> , would also recommend looking into Humanitarian Architecture, see UNSW <https://www.be.unsw.edu.au/www.be.unsw.edu.au/event/utzon-lecture-humanitarian-architecture>

Deyan Stamatov @ 2021.03.02 7:16 AM

Very interesting idea, would love to see this tested in the real world.

Olivia Tindall @ 2021.03.02 9:35 AM

Great idea Giselle, very creative. It will be very useful in withstanding weather conditions as you mentioned.

Adar @ 2021.03.04 6:19 AM

Very creative idea Giselle! This would definitely improve the quality of life of those people who live in areas suffering from intense weather conditions.

[Deyan Stamatov @ 2021.03.09 2:58 PM](#)

This reminds me of the dome house previously posted about, I'd love to see this done in the real world

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[Niloy Bal @ 2021.03.10 8:58 PM](#)

Really great idea and well thought design and will surely make a difference in earthquake prone countries.

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[Lynn Wood @ 2021.03.14 9:54 AM](#)

This idea could be useful

<https://www.ideaspies.com/posts/future-smart-building-solution-is-self-healing-living-concrete>

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[wayde@principals @ 2021.03.25 10:41 AM](#)

Hi Gisele,

A building material that is strong, light weight, flexible and sustainably grown in bamboo. It's worth looking in to the amazing work of Elora Hardy, using bamboo as a multi-storey building material in Bali and beyond. See

<https://theconversation.com/bamboo-architecture-balis-green-school-inspires-a-global-renaissance-121248> and [https://www.youtube.com/watch?v=kK\\_UjBmHqQw](https://www.youtube.com/watch?v=kK_UjBmHqQw)

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[David Hauser @ Silicon Beach @ 2021.03.29 5:01 AM](#)

Great idea, Giselle.

Do those structure have to be transportable or could it be used in permanent buildings, too, to make them more earthquake safe?

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[ReadyFundGo @ 2021.03.30 5:51 AM](#)

Well done Giselle - great idea - wishing you the best of luck.

If you get close to a prototype we would be happy to help you with crowdfunding.

With best wishes Jill

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[GreetingCardSalesman @ 2021.05.05 2:27 PM](#)

Hi Giselle,

Interesting idea. Earthquakes have a number of scary and dangerous side effects and they often appear quickly. Which features of an earthquake are you trying to protect people from?

Have you considered the benefits of the sort of technology being used in avalanche backpack airbags? Perhaps a combination of an inflatable liferaft with multiple impact absorption layers and the ability to "surf" the shakes via a rounded hull with a weighted self righting centre?

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[GreetingCardSalesman @ 2021.05.24 5:53 PM](#)

I like this idea, Giselle, i think pot plants are a great way to have a small daily connection to nature when we are feeling stuck inside. I imagine you will be designing an interesting pot? Perhaps it could incorporate, in addition to sound, some gentle mood lighting, or an interesting texture or game to encourage interaction or a way to personalise it. Or maybe a "utility belt" for the pot that includes a little watering bottle, moisture probe and food pellets, seaweed nutrients or worm juice so the owner can care for it?

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[Giselle @ 2021.06.03 5:54 AM](#)

Hello all, thank you so much for your feedback!

I have changed my project, pivoting to a pot that will incorporate sound to increase the growth of indoor plants. I am keeping the essence of humanitarianism as a key aspect but moving towards a more domestic setting as this allows for a more tangible product.

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[@Deyan Stamatov @ 2021.03.02 7:16 AM](#)

*Very interesting idea, would love to see this tested in the real world.*

[@Adar @ 2021.03.04 6:19 AM](#)

*Very creative idea Giselle! This would definitely improve the quality of life of those people who live in areas suffering from intense weather conditions.*

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A building material that is strong, light weight, flexible and sustainably grown in bamboo. It's worth looking into the amazing work of Elora Hardy, using bamboo as a multi-storey building material in Bali and beyond. See

<https://theconversation.com/bamboo-architecture-balis-green-school-inspires-a-global-renaissance-121248> and [https://www.youtube.com/watch?v=kK\\_UjBmHqQw](https://www.youtube.com/watch?v=kK_UjBmHqQw)

I may continue the research into bamboo for my new product. Thank you for this helpful response!

@David @ THNK @ 2021.03.29 5:01 AM

Great idea, Giselle.

Do those structures have to be transportable or could it be used in permanent buildings, too, to make them more earthquake safe?

Great question, if I was still continuing with this design I would be designing a transportable product. Eventually this could turn into a product for permanent building

@ReadyFundGo @ 2021.03.30 5:51 AM

Well done Giselle - great idea - wishing you the best of luck.

If you get close to a prototype we would be happy to help you with crowdfunding.

With best wishes Jill

Thank you so much for this amazing opportunity

@GreetingCardSalesman @ 2021.05.24 5:53 PM

I like this idea, Giselle. I think pot plants are a great way to have a small daily connection to nature when we are feeling stuck inside. I imagine you will be designing an interesting pot? Perhaps it could incorporate, in addition to sound, some gentle mood lighting, or an interesting texture or game to encourage interaction or a way to personalise it. Or maybe a "utility belt" for the pot that includes a little watering bottle, moisture probe and food pellets, seaweed nutrients or worm juice so the owner can care for it?

Great ideas! Thank you for this feedback. At this moment I am prototyping the pot itself and may start researching and designing some of these ideas you have mentioned such as the utility belt.

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Lynn Wood @ 2021.06.04 5:24 PM

A very interesting idea. This one looks similar and fun though unfortunately it seems COVID is a reason that it did not succeed.

<https://www.ideaspies.com/posts/a-smart-pot-that-shows-how-your-plant-is-feeling>

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Giselle @ 2021.10.11 11:16 AM

Thank you for all of your comments and feedback!

I have really enjoyed this Journey and can't wait to receive additional feedback on my final product.

1. What were two interesting things that you experienced or found as a result of being part of the UpRising?

Being part of the UpRising page was amazing! I experienced some lovely encounters with other fellow idea spies members who helped to improve my Major Design project. As a result of UpRising I was able to explore a range of different ideas and approaches to certain situations. This creativity helped to expand my own which led to the success of my project.

2. How did UpRising help you with your project?

UpRising helped me with all of the helpful feedback people provided. For my previous projects, the "dome home" and the "building to withstand all weather conditions", many people provided amazing links to help assist in the development of the project. Things like material suggestions and questions that got myself thinking were two of the things that UpRising really helped with

3. What would you like to do with your project and what would help you get there?

Although I really enjoyed this MDP journey I don't see myself continuing on with this in the future. I loved every step of the development of this project, but, it is not what I want to be doing. Next year I will be taking part in a music course and hope to continue with the study of the human body and its reaction to sound.

4. How did seeing other UpRising projects affect your designing and learning experience?

As stated in question 1, other UpRising projects influenced my own creativity. It was really amazing to see what other students had come up with. Their creativity influenced my own project in a positive way. Another students on UpRising inspired me to use the 3D printer as they were for their project. Along with this, certain approaches and solutions to different issues helped me to think outside of the box, to create something useful.

5. What would you like to see added to the UpRising initiative to better help next year's students?

Next year I would really like to see a discussion area that all UpRising students can access to talk and gain feedback from students all over NSW. I think this will be helpful as students can expand further than their own class to gain ideas and even collaborate with other students to help one another.

Thank you so much for this opportunity, it was greatly appreciated by myself and fellow UpRising students!  
Giselle S

## Rotating Pool Table/Dining Room Table



'Tables are some of the most resource and cost consuming pieces of furniture, because of the sizes of pieces used, and space that is required for a table. I have designed a solution to this problem by creating a new way of combining a pool table and dining room table. Being made almost entirely of timber, pool tables and dining room tables consume large amounts of resources to create. But by combining the two, it allows these amounts to be halved'.

Request

What changes could be made for this to be more appealing to consumers

Post Comment

Comments

**Lynn Wood @ 2021.06.04 11:48 AM**

A novel idea that looks like fun! This related idea could be helpful.

<https://ideaspies.com/posts/a-couch-that-converts-into-an-8-seater-dining-table>

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**Deyan Stamatov @ 2021.06.04 11:48 AM**

Not only would this help in the resources department but I think just having this as opposed to a dining and a pool table would save a lot of space in the home, great idea!

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**Samantha Sakr @ 2021.06.11 11:48 AM**

This is such a great idea. I think there's also an element of family/household entertainment that's encouraged here. In an era where many people have turned homes into work or educational environments - it's a great way to get people to switch off and enjoy one another's company.

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**GreetingCardSalesman @ 2021.06.16 11:48 AM**

i like this idea, I am wondering how the preferred height and space for knee room and eating from compares to playing height of a pool table. It would be important that it is comfortable to dine at. Perhaps make vertical grooves in the legs to contain those portable pool cues that you can screw together, so at first it looks like decorative legs but is actually storage.

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**GreetingCardSalesman @ 2021.06.21 11:48 AM**

Hi Jack M,

After a weekend spent quilting on my dining table I am now thinking about how much I would love a similar product but rotating into a sewing centre with half of it as a measuring and cutting board, inbuilt power for a sewing machine and iron and a quarter of it set up with woolen mat for ironing while at the table. You have certainly hit on something by noticing how space and cost and function intense a dining table can be and how a dual purpose could be good. I look forward to seeing what happens next.

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**laurenmcnamara @ 2021.08.05 11:48 AM**

This is such a creative idea! Love it :)

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**R Hainsworth @ 2021.09.08 11:33 AM**

Hi there Jack hoping you are well and you have managed to get some well earned down time. Your project looks amazing and I hope that being part of the UpRising initiative has been rewarding and meaningful for you.

As we wrap up the trial phase of the UpRising initiative and head towards the awards night in November I have a few quick questions. If you could answer these in a comment below that would be so great. We want to understand how UpRising assisted you and also help us best prepare for next year's cohort of designers.

1. What were two interesting things that you experienced or found as a result of being part of the UpRising?
2. How did UpRising help you with your project?
3. What would you like to do with your project and what would help you get there?
4. How did seeing other UpRising projects affect your designing and learning experience?
5. What would you like to see added to the UpRising initiative to better help next year's students?

One last thing, can you add in a 'Start to Finish' photo of your project? Stitch a photo of early drawing or prototype next to an image of your finished product and update your post with this image.

Congratulations once again and looking forward to seeing you in November. You have done an amazing job and we are very proud of the 2021 cohort.

See you soon

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**jackm @ 2021.09.12 4:50 PM**

Hi R Hainsworth

*To answer your questions, the two most interesting things that I experienced, whilst being part of UpRising, was the feedback that was given by the community to improve my design, and the ability to see others' posts and designs.*

*By being able to view these products, the website gave me the insight I needed in order to see the creativity of others. UpRising helped me with my project by the community giving ideas which I can use to improve any future designs. The communication between people inspired me to enhance my creative skills and think outside the box when coming up with any new possibilities for custom designs. For the future of this project, I would hopefully like to create and sell products similar to this, due to the overwhelming positive feedback I have received. However, the main hindrance to this is the cost of resources as this combined with the cost of labour is too high to be sold in order to make a profit. So therefore, extensive research would need to be made, to lower the cost of resources, as well as funding for personal woodworking equipment to decrease the time necessary to complete the project (therefore decreasing the cost of the table).*

*Something that would immensely benefit the UpRising initiative in the future would be a 'reply button' for any comments left on posts, as although small, the change would allow for deeper conversations between individuals to take place.*

This is a photo of the final product, alongside my CAD drawings

## Natural Remedy for Period Pain



Over half the world population experiences a menstruation cycle monthly and as a result, can cause severe back pain and cramps. My target market is students that believe in natural remedies and can't like ingesting artificial substances such as pain killers. My product is a discrete, flexible and wearable item that can be worn under clothes to prevent missing school and allowing students to learn to the best of their ability without the uncomfortable pain. I need help finding an internal and external material that can hold heat for an extended period of time.

What do you think?

[Logged in as UpRising](#) . [Log out?](#)

[Comment](#)

[Post Comment](#)

[Comments](#)

[Lynn Wood @ 2021.03.04 6:09 AM](#)

Examples of biodegradable packaging on IdeaSpies

<https://ideaspies.com/search?q=Biodegradable+packaging>

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[Daniella Traino @ 2021.03.04 7:38 AM](#)

Is someone working on that idea already? Sounds like a great circular economy opportunity!

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[Deyan Stamatov @ 2021.03.09 2:57 PM](#)

This sounds great, I wonder if you could source some of these things from restaurants.

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[Olivia Tindall @ 2021.03.09 3:13 PM](#)

This is a great idea and will definitely assist in eliminating food wastage.

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[Lynn Wood @ 2021.03.14 9:36 AM](#)

There may be something in this idea that's useful

<https://www.ideaspies.com/posts/orange-peel-giving-a-second-life-to-used-batteries>

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[R Hainsworth @ 2021.03.15 11:34 PM](#)

Great idea, what exactly do you need ? Can you provide a list of the ingredients you need ? 'help to source 100% natural ingredients'. This would greatly assist the community in helping you. Thank you

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[Mia @ 2021.03.17 8:53 AM](#)

I like the visuals looks very aesthetic

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[simon@principals @ 2021.03.24 5:48 AM](#)

love it ..cant believe we don't do this already perhaps create a link or partnership with boost juice

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[Madeline Cunningham @ 2021.03.24 6:56 AM](#)

Yes, great idea to get in contact with Boost Juice - they are fantastic!

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[Sinead @ 2021.03.26 8:09 AM](#)

Sounds amazing! I have recently collaborated with a local juice bar and collected all their orange waste from one day, resulting in 10kg!! I'm now on the search for biodegradable wax!

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[David Hauser @ Silicon Beach @ 2021.03.29 5:12 AM](#)

Awesome idea, Sinead. Maybe you want to reach out to Fern Ho from the Leaf Protein Co. , winner of our last pitch night at Silicon Beach. She might be able to point you in the right direction for some of your questions.

<https://www.linkedin.com/in/fernho/?originalSubdomain=au>

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[ReadyFundGo @ 2021.03.30 5:49 AM](#)

Well done Sinead - an excellent idea.

We worked with some great ladies in Melbourne who were also looking at changing packaging - they are starting to make edible coffee cups which even if you do not eat them decompose to help the issues of so many takeaway cups ( in Australia 2.4 million a day pre Covid ) going to landfill.

<https://readyfundgo.com/project/good-edi-edible-cups/>

Happy to help you if you decide that crowdfunding may help you get your idea off the ground.

If you do it is always a good idea to start small and gain experience and insights.

Best of luck Jill

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[Sinead @ 2021.06.25 9:10 AM](#)

Hi everyone, thanks for all your help! My project has moved into a new area where I'm trying to reduce period pain for students studying! I'm trying to make a discrete and wearable item that can possibly be heated up by natural sources e.g. sun, please let me know if you're familiar with anything that could aid my project! Thanks again :)

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[Lynn Wood @ 2021.06.25 1:02 PM](#)

Interesting change Sinead. You may like to contact the companies behind these two ideas i found when i searched fabric on IdeaSpies:

<https://www.ideaspies.com/posts/merino-wool-for-sensitive-skin>

<https://www.ideaspies.com/posts/warmth-you-can-control>

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[Gene @ 2021.08.27 2:03 PM](#)

Hi Sinead, this may be to late a comment, but silk is an excellent thermal regulator, additionally its extremely strong due to its long fibbers. if you could use a 50% silk 50% linen mix (linen also being a great thermal regulator) it would ensure strength comfort and thermal regulation. good luck!

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[R Hainsworth @ 2021.09.09 2:41 AM](#)

Good morning Sinead, hope all is well with you and your loved ones.

Congratulations on your MDP journey. It has been so interesting to follow the positive impacts that your project is having. We hope that being part of the UpRising initiative has been rewarding and meaningful for you too.

As we wrap up the trial phase of the UpRising initiative and head towards the awards night in November I have a few quick questions. If you could answer these questions in a comment below that would be so great. We want to understand how UpRising assisted you so that we can better help next year's cohort of designers. We are also curious to know if there is anything further you would like to do with your project.

1. What were two interesting things that you experienced or found as a result of being part of the UpRising?
2. How did UpRising help you with your project?
3. What would you like to do with your project and what would help you get there?
4. How did seeing other UpRising projects affect your designing and learning experience?
5. What would you like to see added to the UpRising initiative to better help next year's students?

One last thing, can you add in a 'Start to Finish' photo of your project? If you could 'stitch' a photo of your finished product next to your early drawing (above) and update your post with this image, that would be great.

Congratulations once again and looking forward to seeing you in November. You have done an amazing job and we are very proud of the 2021 cohort.

See you soon

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[Sinead @ 2021.10.06 8:01 AM](#)

Thanks to everyone for their extremely helpful comments and suggestions!!

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## The Disposable Mask Task



The outbreak of COVID has forced fear and caution onto the modern-day consumer who now values their safety and wellbeing more than previously. This has resulted in the overproduction of disposable face masks. These masks have found their way to the oceanfront and the elasticated strings are becoming tangled around the limbs of marine animals. My design solution involves repurposing the unused masks and cutting the strings off them to create a plant holding system using methods of crochet with the straps. These plant holders will absorb water for continuous nourishment and sustainability.

Your input/suggestions would benefit me greatly!

**Post Comment**  
Comments

[Niloy Bal @ 2021.03.10 8:54 PM](#)

This is a great idea. Looking forward to seeing this come to market.

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[Lynn Wood @ 2021.03.12 4:14 AM](#)

A similar idea from South Korea

<https://www.ideaspies.com/posts/discarded-face-masks-upcycled-into-stools>

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[Lynn Wood @ 2021.03.14 1:51 PM](#)

An article about the problem

<https://www.smh.com.au/environment/conservation/more-than-a-thousand-disposable-face-masks-wash-up-on-lord-howe-island-20210305-p57849.html>

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[Adar @ 2021.03.21 2:01 PM](#)

This is a great idea Phoebe. We should all look for ways to reduce our disposable face masks ending up in natural habitats and damaging eco systems.

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[Sabra Brock @ 2021.03.21 7:21 PM](#)

Like the idea. Please illustrate some examples, for example, a t-shirt or jacket with different colors and patterns of masks embossed on them, or a mixing bowl with the same.

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[R Hainsworth @ 2021.03.22 7:50 AM](#)

Hi there Phoebe. This is a great idea but I am not sure what your 'ask' is? How can industry help? What can businesses or community do to help? If you could clarify that would be very helpful. Thank you

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[Deyan Stamatov @ 2021.03.22 6:28 PM](#)

I wonder if they could be used for crafts, like reusable bags etc.

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[Sabra Brock @ 2021.03.22 6:55 PM](#)

The disposable bags a good idea. What would be the next steps to explore it? How about searching for organizations that make these bags. Also need to search if the idea is already being implemented.

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[Lynn Wood @ 2021.03.23 6:23 PM](#)

A related idea that could be helpful

<https://www.springwise.com/innovation/health-wellness/disposable-face-mask-sprout-flowers?>

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[lavanya@principals @ 2021.03.24 6:09 AM](#)

A very interesting idea Phoebe, addressing a really pressing issue we face today. You might find the following framework helpful when thinking about your idea -

Desirability: What's desirable from a human, environmental and organisational perspective?

Feasibility: What's technically possible? What resources do we need?

Viability: What can we do that is sustainable now and into the future?

Circular: How does it achieve the outcomes we need to see?

You have identified the problem. A great place to start is the 'Desirability' circle, try to answer the questions:

Who is your target market (i.e.) the people you are designing for? What are their needs? What value are you providing for these people (that's unique from what already exists)? For example: Are you provide more convenience to them in some way, therefore helping them save time? Are you providing security or safety that previously did not exist?

Read more about using this framework here: <https://bit.ly/3lJ6oLz>

Looking forward to seeing how you go!

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[Sabra Brock @ 2021.03.24 5:22 PM](#)

Here is an idea for mask reuse from Gov Cuomo's daily letter:

Tonight's "Deep Breath Moment": Memory quilts can be made of anything—even PPE. To honor the memory of the struggle New Yorkers endured throughout the pandemic, the Village of Mamaroneck Arts Council started a mask quilt project collecting decorated face masks from the community. The eight-foot by five-foot quilt showcases around 250 hand-painted masks designed by Mamaroneck residents as young as five and as old as 85 and is currently displayed at the Rye Neck High School Library in Westchester County.

" target="\_blank"

title="https://now.ny.gov/page/-/individual%20emails%20assets/2021/coronavirus%20email%20updates/Quilt.jpeg">">https://now.ny.gov/page/-/individual%20emails%20assets/2021/coronavirus%20email%20updates/Quilt.jpeg">

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[ReadyFundGo @ 2021.03.30 5:42 AM](#)

Well done Phoebe - it is a great idea. I completely agree it is such a problem for marine life.

I wonder if you could make some fun shopping bags - maybe string bags for people to take to the supermarkets?

Let us know if you would like to use crowdfunding at any point to help get your idea off the ground as we would be happy to help.

Best wishes, Jill

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[R Hainsworth @ 2021.04.26 1:11 AM](#)

Hi Phoebe, thanks so much for taking the chance and being one of the first to use the UpRising pathway. How have you found it so far and what can we do to improve it?

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Phoebe @ 2021.05.05 5:05 AM

Lynn Wood @ 2021.03.12 4:14 AM

A similar idea from South Korea

<https://www.ideaspies.com/posts/discarded-face-masks-upcycled-into-stool>

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Lynn Wood @ 2021.03.14 1:51 PM

An article about the problem

<https://www.smh.com.au/environment/conservation/more-than-a-thousand-disposable-face-masks-washed-up-on-lord-howe-island-20210305-p57849.html>

Lynn Wood @ 2021.03.23 6:23 PM

A related idea that could be helpful

<https://www.springwise.com/innovation/health-wellness/disposable-face-mask-sprout-flowers?>

Thanks so much, Lynn, these articles have been fabulous for the development of my design!

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Phoebe @ 2021.05.05 5:07 AM

Adar @ 2021.03.21 2:01 PM

This is a great idea Phoebe. We should all look for ways to reduce our disposable face masks ending up in natural habitats and damaging eco systems.

--> I agree, thankyou Adar so much for the support!

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Phoebe @ 2021.05.05 5:10 AM

R Hainsworth @ 2021.03.22 7:50 AM

Hi there Phoebe. This is a great idea but I am not sure what your 'ask' is? How can industry help?

What can businesses or community do to help? If you could clarify that would be very helpful.

Thank you for your support. I am hoping that people can be inspired by my idea and see the possibilities and innovation that it possesses. As a result of this, I'm hoping that people can offer me support and suggestions as to how I can further improve my design.

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Phoebe @ 2021.05.05 5:11 AM

lavanya@principals

Thankyou for this fantastic creative idea, this will be a great help for the development of my project!

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Lynn Wood @ 2021.10.14 2:42 AM

Looking forward to seeing your idea in plant nurseries soon Phoebe- very creative!

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# COVID-19 HEALTHCARE WORKSPACE



Throughout the current global context, many lives are lost every day due to the COVID-19 pandemic, specifically healthcare staff and professionals. Due to this, I have designed a tangible product - a COVID-SAFE WORKSPACE. The desk will be portable, provide protection through protective screens, electronic accessibility features for a tablet and a multitude of compartments for everyday devices/tools relating to the use of the desk.

I will require the assistance of healthcare workers (my primary target market) to assist in providing information relating to their occupation:

[https://docs.google.com/forms/d/e/1FAIpQLSewZ97DkL7A0t4GWu5PNgGzjDtxPoFS1ox6pyKoRa3fquHfnw/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLSewZ97DkL7A0t4GWu5PNgGzjDtxPoFS1ox6pyKoRa3fquHfnw/viewform?usp=sf_link)

Thank you!

Post Comment  
Comments

Niloy Bal @ 2021.03.10 8:56 PM

This is a great idea and hats off for such an unique design.

Lynn Wood @ 2021.03.14 9:27 AM

This related idea may be helpful

<https://www.ideaspies.com/posts/a-transfer-chamber-for-restaurants-offering-takeaways>

Lynn Wood @ 2021.03.16 6:07 AM

This idea is different but for the same audience so may give you ideas about implementation.

<https://www.ideaspies.com/posts/creating-safe-spaces-for-essential-workers>

Lana S @ 2021.03.18 5:03 AM

Thank you for your feedback and links Lynn and Niloy!

Lynn, the safe space for essential workers link was a really great crossover of physical health and mental health of healthcare stuff as that is just as important! It is also a great idea due to the demand and prevalence around the globe of healthcare workers and that idea and my own is just two ways to assist in this area.

Thanks again.

Deyan Stamatov @ 2021.03.22 6:29 PM

I think this is definitely important in a covid world

wayde@principals @ 2021.03.24 5:10 AM

Hi Lana,

I thought the Sanitary Food Transfer Window mentioned in <https://www.architecturaldigest.com/gallery/8-innovative-design-responses-to-the-coronavirus> might be interesting for you to think about.

Part of the challenge with solid perspex screens in customer service settings is the challenge for people to communicate clearly with one another, or to transact [paperwork, payments, Medicare card checks etc]. Some form of COVID safe transactional window might be an important design consideration?

Best of luck with your project.

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[Lana S @ 2021.03.26 10:00 AM](#)

Hi Wayde!

Thank you so much for your feedback and kind words! When conversing with my target market, they too spoke about some type of window/opening needed for passing documentation/forms through safely. I am definitely going to look into incorporating that within my second prototype and your link will definitely help with my research! The sanitary transfer window will be a great inspiration for my own covid safe window design.

Thanks again for your correspondence! Lana

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[David Hauser @ Silicon Beach @ 2021.03.29 5:25 AM](#)

Lana, this is such a great prototype! So many people are struggling getting their ideas out of their heads and getting started to interact with them and learn what works and what doesn't.

You are far ahead of the game!

Looking forward to your second one.

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[ReadyFundGo @ 2021.03.30 5:55 AM](#)

Well done Lana

What a great idea - so good that you are thinking of a solution to help save the lives of the amazing help care workers who are at risk every day.

Best of luck with your project.

Jill

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[Sabra Brock @ 2021.04.02 5:56 PM](#)

Like the concept and rendering. Have you done a search to find out what else is out there and who is funding those efforts? Might be a good way to find a sponsor to implement your idea.

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[Lana S @ 2021.04.11 1:44 PM](#)

Hi David (David @ THNK) and Jill (ReadyFundGo),

Thank you for your support and feedback!

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[Lana S @ 2021.04.11 1:50 PM](#)

Hello Sabra,

Thank you for your comment!

I have been lucky enough to have a range of contacts within the hospital ranging from surgeons to porters to hospitality staff, that have been willing to assist with important information and first-hand feedback regarding my design and the concept surrounding it.

As for funding these efforts, the hospitals that I have been directing these efforts towards are obviously under the guise of NSW Health therefore it has been a bit of a challenge to get in contact with a sponsor or something/someone who fund efforts much like these. I definitely think that this will be a great thing to look into for the long-term benefit of my design!

If you or anyone out there reading this knows of such, please do not hesitate to get in contact with me! Many thanks, Lana

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[R Hainsworth @ 2021.04.28 11:26 AM](#)

Good afternoon Lana

How is the project going? Have you been able to test your prototype in the 'field' yet? Would be a great way to get user feedback?

What assistance do you currently need from your team at this point?

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[Lana S @ 2021.10.14 6:37 AM](#)

*Good Day Mr Hainsworth! Thank you so much for your comment and the interaction on my post! I am doing well, as is my loved ones, hope your team are doing well too!*

Thank you very much for your kind words, it was quite the journey but we got there in the end! UpRising was such a great opportunity to be a part of so I would like to thank you for that firstly. As for your questions, hope this helps!

1. Two interesting things that I was able to experience as a result of being part of the UpRising were both to do with connectivity. I feel that UpRising has such a large potential to bring likeminded and innovative students together to create some real damage in the design world. This being not only within my class room but the wider community in collaboration with IDEASPIES! I also found that it gave my own design a push as I was able to view what others were creating which furthermore drove me in the production of my own product.

2. UpRising helped me communicate with industry and other again likeminded people who share a passion for all things design and creation. I just wish that more people could be a part as I feel that everyone could benefit with their own projects.

3. As just an 18 year old girl finishing school, taking a gap year and heading to University in the following year. I clearly do not have that many connections or knowledge on the works of industry and where someone like me can take their project after its completion. I personally would love to help as many healthcare workers and take my project to the ends of the earth but of course I would need someone there to assist. As for this very moment, I would love to focus on my studies but possibly take my project somewhere in the future!

4. Like i mentioned previously, seeing other UpRising projects deeply affected my designing and learning experience as I was able to communicate with people much like myself with all aspects of my design, whether that was product or portfolio work.

5. This question is a toughy. Seeing as the UpRising initiative tis so new to the wider community, it of course needs to start somewhere. In saying this the initiative as a whole is such a great concept that I believe can't truly succeed without that sense of community. Therefore to better help next year's students I think that more people should get involved!

Hope those answers helped! Have a great day. Speak soon.

Lana

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## An Online Kindness Bank



In Australia over 13 million people are without a financial backup plan for emergency situations. Many Australians struggle with their bills and have no way out in the event of a personal financial crisis. Therefore I propose the idea of an online kindness bank which will allow people all over the world to contribute to others whilst others contribute to them in the event of a financial crisis. This will be developed into an app to allow more people to have access and get involved in the generosity of humanity.

Post Comment  
Comments

Pool Buddy @ 2021.03.15 4:56 PM

Hi Mia, Your idea is excellent. Interested to know your thinking on how people would apply for or become eligible to receive funds?

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Jennifer Harrison @ 2021.03.21 11:06 AM

Mia,

I love your idea. It embodies principles such as "pay it forward" and "radical kindness," and appeals to our desire to help people in their time of need.

It's also somewhat aligned with a process that utilities, telcos, banks, regulated credit providers and insurers have to offer their customers who experience "financial hardship" due to something unexpected like redundancy, natural disaster or illness (rather than an inability to manage money).

Some thoughts:

- 1) For collections, you could operate a round-up function whereby people contribute as they shop (like Raiz) (IdeaSpies fintech editor Ben Ford is an expert on this)
- 2) You could register this as a charity so that donations are tax deductible, although this adds to the complexity of the set-up and governance (see [acnc.gov.au](http://acnc.gov.au)) (I'm sure there are plenty of contributors to IdeaSpies who have experience of governance in the Not For Profit / Charity space)
- 3) The criteria for deciding if people are eligible for help needs to be very clear and easy to assess (or else you will have a lot of complaints from people)
- 4) The process for beneficiaries to apply for help needs to be easy but at the same time have appropriate safeguards against fraud
- 5) You will need a cost-effective solution for collections and payments to get the money IN and OUT (I have some connections in the payments industry; I will do a shout out on LinkedIn)

Kind regards,

Jennifer :-)

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Deyan Stamatov @ 2021.03.22 6:27 PM

This sounds like a really nice idea, maybe include some sort of membership program where individuals can schedule a few dollars to be taken from them monthly.

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Mia @ 2021.03.24 3:50 AM

Dear Jennifer,

Thank you for your brilliant ideas for my project, it has really helped me consider all the factors and areas in creating my project. I would love to work further with you in helping my idea turn into the real thing. If you know of any examples of pieces of software and other factors to consider that can help my idea please let me know cause this will be great for my project. If you could comment your email that will be great for us to get further in touch.

Kind Regards,

Mia

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Kristofer Rogers @ 2021.03.25 2:26 PM

Mia,

Congratulations on seeding this idea. I've been fortunate to have been involved in various social-impact tech projects over the past 20 years, including launching GoFundraise and SimplyGiving across APAC, which are peer-to-peer fundraising platforms. I think we still have a way to go, led by people like you.

But you are obviously inspired to think beyond donations.... I am now part of the team at Mambu - a core banking platform... we deal with the very 'core' of banking that manages deposits, lending and transaction products. As such, let me encourage you to think bigger:

1. Explore concepts such as sharia-compliant banking where interest accrual is replaced with sharing profits amongst those who can benefit from them (in your case, those in need)
2. Instead of asking people to give (which is quite a tired mechanism of supporting those in need these days) offer a great everyday banking product that has 'giving' embedded within.
3. For Australia's youth, everyone needs a debit card and even a loan of some sort. If they know that interest earned through this financial services are being pooled to help people in the time of need, they would gravitate towards it.

Anyway, congratulations, and dream big! I am always happy to provide advice and mentorship if it would help.

Sincerely

Kristofer Rogers

General Manage, Australia & New Zealand

Mambu, the World's leading cloud-native core banking platform.

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Adam Caines @ 2021.03.25 4:35 PM

Fantastic idea Mia, I love the thinking of giveback and community in Financial Services.

I think there would be some challenges with how funds are distributed, as per Jennifer's comments relating to fraud. If you think about some of the issues GoFundMe have had with fake funds and people being taken advantage of, so that is something to think about.

There is a practice in some cultures to have a saving club and when one of the members is in need they can "borrow" from the club and pay it back over time, perhaps a similar concept could solve any hesitance to contribute and enable empowered distributions of funds in a time of crisis.

From a broader perspective I remember an initiative in a supermarket in the UK whereby they give you a token and on the way out you put it one of 3 boxes which all related to local charities or a Scout group or similar. Perhaps this could be another mechanism for local or broader contributions as a user chooses where their contributions go.

Or for example with the fires in 2020 in Australia, a comedian ended up setting up a CrowdFund which had all sorts of issues with tax and distributions. Donations in a time of crisis and real-time distribution is a real problem to solve. If I knew my roundups or contributions were being sent to people in need in those communities instantly as I've contributed to a fund that can be used for crisis, then I would certainly sign-up to your bank today.

Good luck with your idea, never stop thinking or writing down ideas.

Adam

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Michael Joyce @ 2021.03.26 4:55 AM

I love the thought behind this!

Any successful tech should learn from real-life analogue equivalents. The first most relevant here might be "Give a penny, take a penny" bowls in retail stores - people put their loose change into them, then take loose change from them if they're short. They're not really a thing here in Australia since we're almost cashless!

The other is ROSCAs (rotating savings groups) which exist in probably every emerging country.

Everyone gives, everyone takes in rotation. Adam Caines mentions this in a comment below.

Facebook Good Karma networks could also be a great avenue to seed this sort of activity - it would necessarily be local, rather than global but that might work too.

I've got 10 years+ of working on financial inclusion in Australia and globally and would be happy to help.

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Victoria Richardson @ 2021.03.26 2:51 PM

Hi Mia

This is a great idea.

To build on comments already made, and in particular to build on Jennifer's comments about criteria for eligibility, developments with the Consumer Data Right work in your favour here. Under the Consumer Data Right <https://www.cdr.gov.au/individuals> can instruct their bank to share account information, including balance (which could be used as clear evidence of financial hardship) with accredited organisations.

Additionally we ran a data hackathon a few years back with the major banks at Stone and Chalk and one of the winning products at the end of the weekend was an app to enable disbursement of funds to people impacted by bushfires and natural disasters. They were able to build the app with widely available government APIs and dummy CDR APIs.

I'm happy to chat if useful as you build out your idea. Find me on LinkedIn if you would like to follow up.

Keep going!

All the best,

Victoria Richardson

[vrichardson@auspaynet.com.au](mailto:vrichardson@auspaynet.com.au)

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Mia @ 2021.03.26 10:15 AM

Good afternoon all and thank you so very much for your support and interest.

Some quick follow ups.

@ Kristofer Rogers, thank you so much. I have been thinking about your suggestions all week, and have learnt a lot from the research and I have been doing into Mambu. A fantastic concept. I am very interested in taking up your offer of mentorship. How would this work.? If you could provide an idea of what this would like to help with expectations for both sides that would be great. Once I discuss this with my parents I will get back to you. Thank you again for your wonderful offer.

@ Adam Caines

Thank you, great ideas relating to fraud and the issues GoFundMe. Yes I have been struggling with this one. Disturbing funds and an easy safe mechanism is what I am currently looking for. The supermarket concept is so clever and simple. It makes me believe that this is actually possible. I wonder if BlockChain technology could help with this?

@Michael Joyce

Give a penny, take a penny" bowls in retail stores - Australia cashless! This is an amazing idea and really helps me understand how simple it can be and at the same time consider the local context Facebook Good Karma networks could also be a great avenue to seed this sort of activity. (Great idea I will search them up now) - it would necessarily be local, rather than global but that might work too. Yes starting local is a great idea. Do you have any connections to developers that could help or know of any ready made app that I could modify?  
I've got 10 years+ of working on financial inclusion in Australia and globally and would be happy to help. It would be fantastic to get your insight and technical expertise on this.

@Victoria Richardson

Thank you so much Victoria. CDR would be incredibly helpful as third party governance, would be really important for everyone. I will look into this.

Thank you Victoria I would love to follow up on this. Do you have a work email address you could send me as I would love to learn more. Also do you think Stone & Chalk would allow me to connect with the winning team. Do you think both parties would be interested in collaborating?

Thank you everyone for your wonderful help this week with my project, it is so fulfilling to see everyone contribute and give me the encouragement for my project to be developed!

Sincerely,  
Mia

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[Aaron Roberts @ 2021.03.29 6:46 AM](#)

Hi Mia,

Really nice idea to help support those in financial need, especially in the turbulent times we're in now that don't seem to be going away anytime soon.

Have you built a prototype of the solution / app to test with your customers?

As well as the benefits of testing, I find that creating prototyping provides another way to think and explore the challenge from a different perspective.

There are heaps of good / free tools out there

- paper prototypes: draw screens on paper and show them to people for feedback. The benefit of this is that it's super quick and free!!!

- PowerPoint or Google slides are great for drawing basic prototypes too.

- figma: once you've moved passed paper prototypes, download figma (free), and you can have some fun making the app look closer to the real thing. A bit more complex though.

I hope this helps and best of luck!

Az

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[Anthony Passe-de Silva @ 2021.03.30 1:57 AM](#)

I think there is an interesting idea in here but potentially the starting challenge will be funding - those who are in a position that have sufficient funds for an emergency are the ones who could provide that funding upfront. It may be possible to source alternative funding through vehicles such as social impact bonds if you could prove your business has generated a social gain - these bonds have structures which then generate tax & other return structures that make them attractive.

You could also partner with a financial services group who could argue a facility like this may help lower their credit risk - this could also help when you get a "surge" event like a major natural disaster when many could come forward looking for support. Financial services providers with specific ESG mandates may also see a way of facilitating a platform like this.

I also wonder if money is the only thing the bank could "pay out". In many stress situations, it could be that certain goods & services may become harder to access. As such, rather than a financial payout like you get with insurance, perhaps the bank could have packages of goods & services that are available.

There is something novel in this that merges being a "good neighbour", charitable giving and insurance.

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[Kristofer Rogers @ 2021.03.30 3:42 AM](#)

Good morning @Mia

Wonderful to see more contributions and encouragement, I hope it's inspiring you!

Sorry for not dropping you a quick note earlier but I would be happy to provide mentoring if it helps galvanise your thinking. The mentoring I have done before would typically be a fortnightly / monthly

call to help you shape your ideas and offer up more information. This can be a 30 minute video meeting or phone call with an open agenda - so casual mentoring to help steer you in the right direction(s).

Rather than sharing my contact details here can I ask that you (or your parents) connect with me via LinkedIn and we can go from there.

<https://www.linkedin.com/in/kristoferrogers/>

Thanks and keep on doing what you are doing.

All the best

Kris

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[ReadyFundGo @ 2021.03.30 5:38 AM](#)

Congratulations Mia on your excellent idea and also for sharing it on IdeaSpies.

One of the areas you could look at is using crowdfunding to help get your idea off the ground.

I am sure that you will probably have thought of this already but if you would like any help or suggestions about setting up a small campaign we would be delighted to help you.

I think that by running a small campaign to help people you will learn a lot and gain a lot of insights that you will be able to use as you further develop the Kindness Bank.

Let us know if you would like to discuss.

Well done again,

With best wishes Jill

[jill.s@readyfundgo.com](mailto:jill.s@readyfundgo.com)

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[Soumya Srinivasan @ 2021.03.30 9:42 AM](#)

Hi Mia,

What a beautiful idea. Given that you've had so much expert input on the many aspects, like core banking, collections, eligibility etc., let me get right to the mechanics of the payments.

You'll need a neat (and cheap!) way for participants to put money IN, somewhere to "store" it and a neat way to pay it out, and reconcile that the right amounts went to the right places.

Participation in payment networks can be very expensive, so consider a partner who can handle the complexities for you, but make all the data available so that you can see clearly what is going on (Split Payments, from whom I do some consulting are in this category).

Another thing you'll want to consider, is something we wish never happened - fraud. You'll need some rules and some tools for the following three scenarios:

1. When someone onboards to your platform for the first time, they are who they say they are.
2. The correct person is accessing the app, and
3. The correct recipient is receiving the money.

There are many tech/app-based providers in this space as well. Check out:

- Frankie Financial
- Biocatch
- Jumio
- Onfido

If you do want to spend some more time on all things payments and fraud, I'd be more than happy to chat. You can find me on LinkedIn at <https://www.linkedin.com/in/soumyasrinivasan/>

All the best!

Soumya

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[Alex Carpenter @ 2021.04.09 9:29 AM](#)

Great idea Mia, technologically speaking you could launch this with relative ease on the blockchain. A group called 1hive - <https://1hive.org> has created all the documents and blockchain protocols you would need and they are a really helpful bunch eager to support people like you to do things like this.

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[Mia @ 2021.04.23 4:55 AM](#)

Hi Aaron,

I have started prototyping and I am in the process of developing another prototype using Figma as you suggested. I have done a few storyboard sketches to see the layout and design of my app.

Thank you for your helpful feedback!

Kind Regards,

Mia

Hi Anthony,

I like your concept of giving back through goods and services, another element for me to look at and explore. I will research further into partnering with a financial services group and contacting them for further input.

Thank you for your great feedback,  
Kind regards,  
Mia

Hi Kris,  
I will further contact you on linkedin, thank you for this opportunity!  
Kind regards,  
Mia

Hi Soumya,

Thank you for your suggestions with transferring money over and fraud, I have had to consider these aspects towards my project. I will explore with the tech/app-based providers you have suggested and will get back to you on how they worked for me.

I would love to chat more with you about all things payments and frauds so I will contact you soon!  
Kind regards,  
Mia

Hi Alex,  
I have started researching into blockchain but will further research into 1hive.  
Kind regards,  
Mia

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[R Hainsworth @ 2021.04.26 12:58 PM](#)

Great work Mia, it has been very exciting seeing how you have used IdeaSpies platform. Congrats on setting up the 'In class conference' call with Jill last week. We all learnt so much from it. Thanks again Jill for your time and energy.

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[Mia @ 2021.05.13 5:54 AM](#)

<https://readyfundgo.com/project/the-kindness-bank/>  
Take a look at my campaign!

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[ReadyFundGo @ 2021.05.14 7:29 AM](#)

Well done Mia and a big thank you to Jennifer Harrison who made the suggestion.

Mia has now created a crowdfunding page to test support for her idea.

Often people tell friends they like their idea but it is different when they are asked to contribute a little to support it.

Mia is trying to test out if people are willing to help by sharing her campaign page with her friends and family.

Here is the page she has made:

<https://readyfundgo.com/project/the-kindness-bank/>

Well done Mia and keep up the good work of asking for ideas and feedback to grow your reach.

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[Dave Ellis @ 2021.05.18 5:08 PM](#)

Love it! Think about criteria for people to access this money.

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[Lynn Wood @ 2021.05.26 3:07 AM](#)

A book that could be helpful

<https://ideaspies.com/posts/the-kindness-revolution>

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[Glenn Barnes @ 2021.05.26 5:56 AM](#)

Mia,

Great idea. This is how mutual societies started circa 200 years ago. They evolved into insurance companies, building societies and banks that did a lot of public good. Public and corporate greed in the 1990s and early 2000s resulted in a lot of these groups becoming public companies and, to large extent, their social and commercial value destroyed.

The world would be a better place if your idea is embraced and a new era of 'mutual support' groups evolved.

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Mia @ 2021.06.07 7:19 AM

Hi everyone,

Just wondering if you would like to interact with my prototype, it's not fully finish, but just as a way to gain interaction and to provide feedback for me. Any changes and suggestions are great!

<https://www.figma.com/file/zemcPNQImuY955HELGdYWF/Untitled?node-id=0%3A1>

Kind regards,  
Mia Majewski

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R Hainsworth @ 2021.09.09 2:09 AM

Good morning Mia, hope all is well with you and your loved ones.

Congratulations on your MDP journey. It has inspired a lot of discussion and thought. We hope that being part of the UpRising initiative has been rewarding and meaningful for you too.

As we wrap up the trial phase of the UpRising initiative and head towards the awards night in November I have a few quick questions. If you could answer these questions in a comment below that would be so great. We want to understand how UpRising assisted you so that we can better help next year's cohort of designers. We are also curious to know if there is anything further you would like to do with your project.

1. What were two interesting things that you experienced or found as a result of being part of the UpRising?
2. How did UpRising help you with your project?
3. What would you like to do with your project and what would help you get there?
4. How did seeing other UpRising projects affect your designing and learning experience?
5. What would you like to see added to the UpRising initiative to better help next year's students?

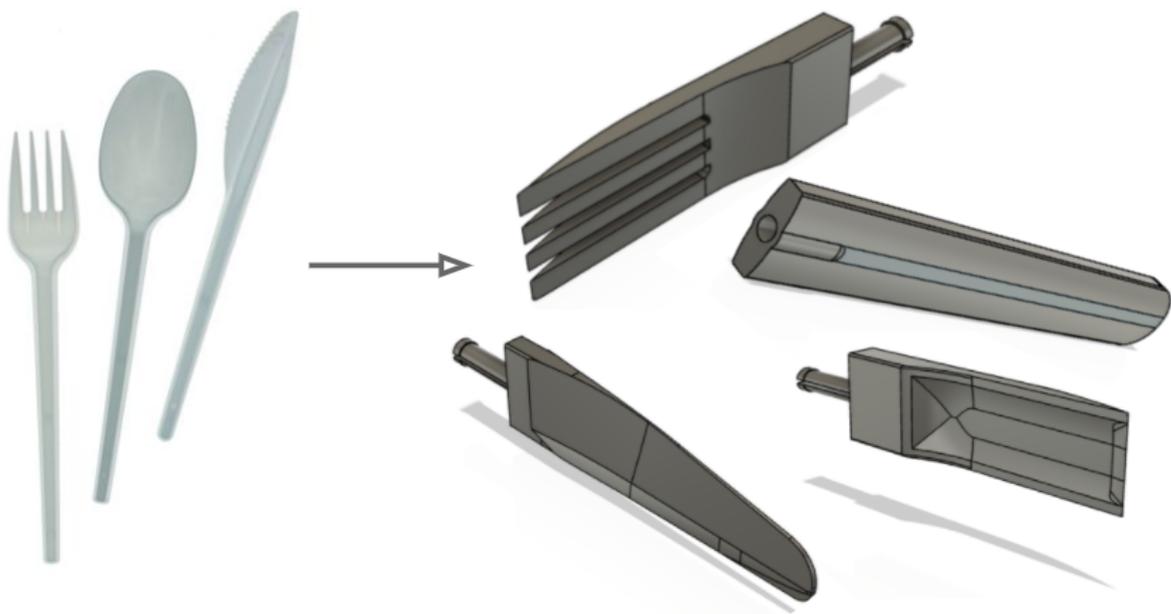
One last thing, can you add in a 'Start to Finish' photo of your project? If you could stitch an image of your finished project (Wireframe) next to your visualisation above and update your post that would be great

Congratulations once again and looking forward to seeing you in November. You have done an amazing job and we are very proud of the 2021 cohort.

See you soon

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## A reusable cutlery solution, replacing the need for single-use plastic cutlery.



The overuse of single-use plastic cutlery has led to a declining ecological condition of the Earth. My design is a reusable cutlery solution that allows for easy use of a knife, fork, and spoon in a single and interchangeable system of items, which are easily used and comfortable for the end-user. This project will focus on creating a product consumers will want to reuse rather than dispose of after use

as with single-use plastics. System multifunctionality and interchangeability will deter customers from their usual purchase of many items.  
Any feedback or suggestions would be appreciated.

**Post Comment**  
Comments

**ReadyFundGo @ 2021.04.27 11:56 AM**

We like your idea as even if after time you may dispose of the end being eaten off there is a higher chance you will keep the handle so reduce the amount of waste.  
Well done.

If you decide to move forward and produce the cutlery you could use crowdfunding to get your project off the ground depending upon how much funding you will need to raise and how many sets you will need to pre sell in advance.  
Best of luck.

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**Deyan Stamatov @ 2021.05.05 11:56 AM**

Seems like plastic cutlery is something that should be left in the past, this is a great solution to the vast environmental problems that can occur from single-use plastics.

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**R Hainsworth @ 2021.09.09 7:14 AM**

Good morning Takoda, hope all is well with you and your family.  
Congratulations on getting to this part of your MDP journey. Your project looks amazing and I hope that being part of the UpRising initiative has been rewarding and meaningful for you.  
As we wrap up the trial phase of the UpRising initiative and head towards the awards night in November I have a few quick questions. If you could answer these in a comment below that would be so great. We want to understand how UpRising assisted you and also help us best prepare for next year's cohort of designers.

1. What were two interesting things that you experienced or found as a result of being part of the UpRising?
2. How did UpRising help you with your project?
3. What would you like to do with your project and what would help you get there?
4. How did seeing other UpRising projects affect your designing and learning experience?
5. What would you like to see added to the UpRising initiative to better help next year's students?

One last thing, can you add in a 'Start to Finish' photo of your project? Your current image is a great visualization of the start and the middle of your journey. Is there a third image / photo that you could stitch next to these that shows the last stage of your solution?

Congratulations once again and looking forward to seeing you in November. You have done an amazing job and we are very proud of the 2021 cohort.  
See you soon

---

**Takoda. @ 2021.09.16 5:02 AM**

Hi Richard,  
I hope this could help:

1. a) There were a number of interested individuals who provided great feedback to myself and others concerning their posted projects on the Ideaspies website.  
  
b) Exploring the social network of other students' ideas was good for ensuring that my product had a high level of finish when completed.
2. Involvement in UpRising through Ideaspies was useful for confirming project directions through positive comments on my post. This initial praise for my idea enabled greater confidence to be possessed for the remainder of the project development and completion.
3. Through engaging with the major design project, the intrinsic flaws associated with my design ideas were revealed, and would definitely require reworking if this design is to be pursued further.
4. Viewing a range of products, systems, and environments through Ideaspies' UpRising program was useful to attaining a more holistic understanding of the parameters of the MDP, and the different perspectives and approaches of other students.
5. The current state of the UpRising program is quite effective in providing immediate feedback upon student works and ideas, so opportunities for improvement are less evident.

Thanks,  
Takoda.

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P.S. Here are some images of the final stage of production, as requested, and my presentation board.

<https://ibb.co/mc3wfBf>  
<https://ibb.co/p17XQ2F>  
<https://ibb.co/MVg0yN4>  
<https://ibb.co/yqYfbf6>

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**R Hainsworth @ 2021.11.20 8:55 AM**

Congratulations on all of your hard work this year and for being the first year 12 design students to be part of The [UpRising](#). The 8 judges have been busy going through all the major design projects to decide which projects should be awarded hundreds of dollars in seed funding and mentoring, to take their project to the next level. The judges have used a points system, 3 points for the project they felt was the most impressive, 2 points for a second outstanding project and 1 point for a project that really resonated with them. Three projects will be awarded Seed funding and mentoring

- First Place \$1000 Seed funding
- Second place 750
- Third place 500

The winners will be assisted with the continued development of their project next year by the very cool company [Nectir](#).

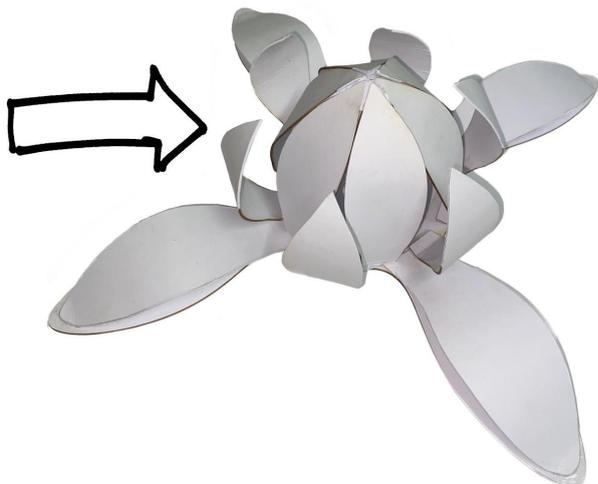
We are holding an Awards night to announce the winners and we would love to have you all there. It's online so you can join in from wherever you are. 6pm - 7pm Thursday evening 9th December.

[Click here](#) to get your tickets.

Looking forward to seeing you there.

Wishing you the best of luck with your final exams. Awards night is on the 9th December

## Waratah inspired Western Sydney International Airport design



With the release of the new Western Sydney International Airport featuring a traditional rectangular structured terminal, I propose an alternative exterior design for the terminal.

The design inspired by the Waratah plant which is an iconic native Australian flora represents Australia's unique diverse culture. The final design will be dynamic, sustainable, aesthetically pleasing and designed to provide efficient travel. This will address the needs associated with the local

community, rapid increase in immigration, international air travel and the expansion of Western Sydney.

I seek expertise from Architects to assist in evaluating and improving my design, any feedback will be greatly appreciated.

Post Comment  
Comments

**R Hainsworth @ 2021.04.27 7:01 AM**

Brilliant idea Nomunzal

Found this, thought it might be of interest?

<https://reneweconomy.com.au/australian-airports-are-ideal-hosts-for-large-scale-solar-installations-researchers-say/>

All the best with your project.

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**wayde@principals @ 2021.04.28 7:01 AM**

What a terrific idea Nomunzal. I'd encourage you to follow Rafat Ali, a travel writer, who describes airports by nature as massive, stressful and confusing "non places". Rafat argues it's time for airports to develop a sense of place and connectedness to local culture. Your design would definitely achieve that!

(99+) [It's Time To Rethink How We Think About Airports | LinkedIn](#)

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**Gillian Corban @ 2021.04.29 7:01 AM**

I think nature and this plant concept is a great way to look at the structures we move within. I will be interested to see how you facilitate the flow of customers and needs of the airline staff and the many activities that will take place in the Airport. It is a really good way to illustrate & tell our unique Australian stories.

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**Lynn Wood @ 2021.05.09 7:01 AM**

Your design reminds me of the Sydney Opera House Nomunzal. This exhibit I saw today could give you some ideas. The shells are of ceramic tiles.

<https://ideaspies.com/posts/the-key-to-the-shells-of-the-sydney-opera-house>

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**Miguel Carrasco @ 2021.05.31 7:01 AM**

Hi Nomunzal - I love the idea. For my year 12 HSC project many years, I took on the ambitious task of designing a new terminal for the new airport at badgerys creek. My design was a very boring rectangle. I love your concept. There are some great example of this kind of architecture in asia - check out the lotus buildings in China and India for example.

One thing to keep in mind. The control tower needs to be able to have complete visibility of the whole airfield, runways and apron areas. you might need to think about placing that in the middle of the 'flower' ?

good luck with it.

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**Nomunzul @ 2021.06.16 9:19 AM**

Miguel Carrasco @

It's great to hear that you have done something similar for your MDP too, do you still have the project laying around? I would love to have a look at the end product and see what you included in the architecture project (as in floor plans, rendered, presentation boards etc), if you could send the reference/photos of the project to [nuella-joy.lancaster@det.nsw.edu.au](mailto:nuella-joy.lancaster@det.nsw.edu.au), it would help greatly.

yes, I am drawing great inspiration from diverse international terminal designs and keep in mind the location of the control tower.

thank you

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**R Hainsworth @ 2021.09.09 1:58 AM**

Good morning Nomunzul, hope all is well with you and your loved ones.

Congratulations on your MDP journey. It has been fantastic to follow the evolution of your project. We hope that being part of the UpRising initiative has been rewarding and meaningful for you.

As we wrap up the trial phase of the UpRising initiative and head towards the awards night in November I have a few quick questions. If you could answer these questions in a comment below that would be so great. We want to understand how UpRising assisted you so that we can better help next year's cohort of designers. We are also curious to know if there is anything further you would like to do with your project.

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4. How did seeing other UpRising projects affect your designing and learning experience?
5. What would you like to see added to the UpRising initiative to better help next year's students?

One last thing, can you add in a 'Start to Finish' photo of your project? Your current image is a great visualization of the start and the middle of your journey. Is there a third image / photo that you could stitch next to these that shows the last stage of your solution? If not no worries.

Congratulations once again and looking forward to seeing you in November. You have done an amazing job and we are very proud of the 2021 cohort.  
See you soon

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**R Hainsworth @ 2021.11.20 8:37 AM**

Congratulations on all of your hard work this year and for being the first year 12 design students to be part of The [UpRising](#). The 8 judges have been busy going through all the major design projects to decide which projects should be awarded hundreds of dollars in seed funding and mentoring, to take their project to the next level. The judges have used a points system, 3 points for the project they felt was the most impressive, 2 points for a second outstanding project and 1 point for a project that really resonated with them. Three projects will be awarded Seed funding and mentoring

- First Place \$1000 Seed funding
- Second place 750
- Third place 500

The winners will be assisted with the continued development of their project next year by the very cool company [Nectir](#).

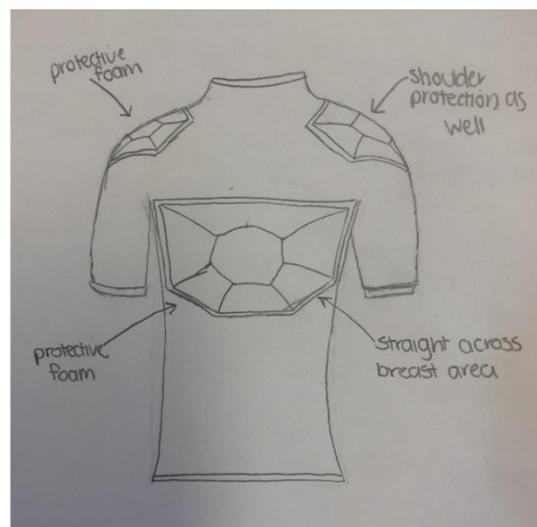
We are holding an Awards night to announce the winners and we would love to have you all there. It's online so you can join in from wherever you are. 6pm - 7pm Thursday evening 9th December.

[Click here](#) to get your tickets.

Looking forward to seeing you there.

Wishing you the best of luck with your final exams. Awards night is on the 9th December

## Gender inequality and injuries in women's contact sports.



Womens sport went professional more than 40 years ago and yet it is still heavily unfunded and supported. At the same time players are much more vulnerable to injury due to the lack of protective equipment due to gender bias around available products and designs.

The focus for my project is to create a solution to reduce the risk of breast injuries in women's contact sport. I am designing a women's protective chest pad. I'm looking to find the right technical support (what materials would be the most protective) and suitable manufacturers to bring this idea to life.

Thank you

Post Comment  
Comments

**Madeline Cunningham @ 2021.03.25 11:11 AM**

Speak to the awesome Australian owned business by husband and wife team Brad and Donna Johnson at Zena Sport.

Together they have been actively involved with the AFL for the past 25 years. Brad is a former Captain of the Western Bulldogs and club games record holder, having played 364 games. Zena have developed working partnerships with leading bodies in the AFLW, Deakin University and Sports Medical Researchers.

<https://zenasport.co/pages/about-zena>

<https://www.linkedin.com/in/brad-johnson-680839195/>

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**jen@principals @ 2021.03.28 2:33 AM**

Hey Bronti

Love this!

Might be worth reaching out to these guys for some further inspo:

<https://www.boobarmour.com.au/pages/aflw-protective-equipment>

gender equality in sport certainly has come a long way, but still a way to go!

Good luck!

---

**David Hauser @ Silicon Beach @ 2021.03.29 5:31 AM**

I'm wondering if the protection does have to be integrated in the outer layer of the clothing?

Would one size fit all?

Would it make sense to combine it with a sports bra?

---

**ReadyFundGo @ 2021.03.30 5:53 AM**

Well done Bronti what an excellent idea!

It sounds like you have lots of people offering to help which is great.

If you would like to look at crowdfunding at some point let us know and we would be happy to help.

With best wishes Jill

---

**Deyan Stamatov @ 2021.03.30 8:28 PM**

I think fixing the issues caused by gender bias within professional sports is a great idea. I think you'd have to look at the weight of any material used in the chest pad and how it impacts players as well.

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**Haroon Shahab @ 2021.04.17 12:01 AM**

Hi Bronti, I appreciate your idea to design something that can avoid injuries to women. I hope you fulfill your dream to design protective equipment for women. Hope for the best

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**bronti @ 2021.04.22 5:59 AM**

@Madeline Cunningham

Hey Madeline, I have just emailed and now I'm just waiting back for a response. Thank you so much for suggesting them it has been a great help to my design

@jen@principals

Thank you Jen, I emailed <https://www.boobarmour.com.au/pages/aflw-protective-equipment>. And have called them as well. They are perfect for the protective components for what I am after, a fantastic link. Thank you so much for this. Suzie is amazing 'Gender equality in sport certainly has come a long way, but still a way to go!' Yep, a long way to go but I am really interested to see how I can break the cycle of low participation due to poorly designed gender bias products. Fingers crossed. for this link. Will let you know how I get on but a huge piece of the puzzle is solved because of your suggestion. Thanks so much Jen

David @ THINK

Thank you David, good questions, only one way to find out and that is through prototyping and testing. THINK looks like an amazing organization, is there a location in Australia that I could get in contact with?

Jill @ ReadyFundGo

Thank you Jill, I had not even thought about funding my design. So thank you - Ready Fund Go would be a great platform to not only test financial support but would help get my message out there. So yes please I would love to learn more about crowdfunding through REadyFundGo, especially since you are based in Australia and being carbon neutral. I feel this really ties into what I am trying to achieve. If you could maybe so i could connect with you - send your email.

Deyan Stamatov @

Thank you Deyan, yes will need to test materials and techniques to find the best combinations. Do you have anyone in sports textiles or in industrial textiles manufacturing that you know of that would be interested in collaborating with me?

Thank you everyone for your great suggestions and thoughts so far. Please feel free to send my idea out to anyone you think may be able to help protect our athletes and remove built in bias. Stay tuned for more to come. Bronti

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**David Hauser @ Silicon Beach @ 2021.04.22 7:30 AM**

Hi Madeline,

happy to have a chat with you and explore how THNK.innovation could possibly assist you with the product development.

Feel free to shoot me a mail on davidh@THNKinn.com.au

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**Madeline Cunningham @ 2021.04.22 8:17 AM**

Hi Bronti - get in touch with THNK.innovation davidh@THNKinn.com.au

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**R Hainsworth @ 2021.04.26 12:01 PM**

Great idea Bronti. What are your next steps? Have you started prototyping?

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**bronti @ 2021.04.26 12:18 PM**

R Hainsworth @

Hi Mrs Hainsworth, great question. Yes I have started to prototype my idea and seeing it come to life is very surreal!! Because my prototyping is with fabric that im not using for my MDP my next steps are to research and order the correct fabrics and materials. Also still trying to work out my final design for my idea which is why ive done multiple prototypes. Thanks Bronti

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**Dave Ellis @ 2021.05.18 5:07 PM**

Great timing for a project like this. Do you have evidence of this problem of sport related breast injuries? It would be great for you to have a famous female athlete to be the 'user' you can work with. Check out GWS Women's AFL team for possible users.

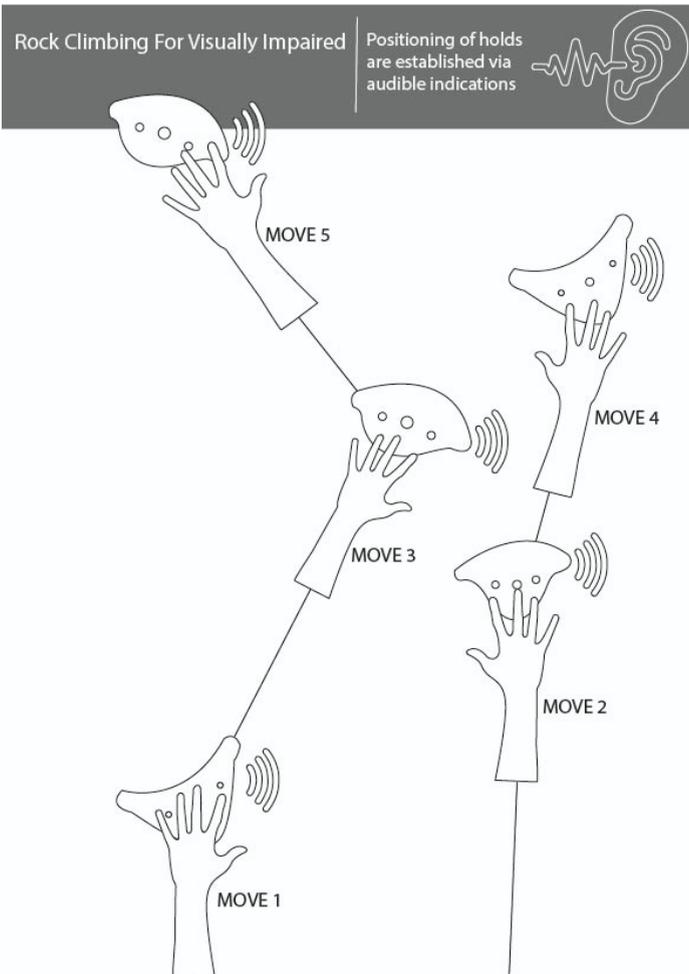
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**Lynn Wood @ 2021.09.10 12:50 PM**

Bronti- I just spoke with a Professor about your idea and he sent me this video link highlighting the problem you are trying to solve

<https://www.abc.net.au/news/2021-09-08/elite-athletes-reporting-breast-pain-due-to-lack-of-support/13531888>. Congrats on having a very topical idea!

## Rock Climbing for the Vision Impaired



It is estimated there are 575 000 people in Australia blind or visually impaired in 2020, this massive demographic of individuals are severely impacted through the limitations they face surrounding recreational sports and physical activities. Exercise has a crucial impact to healthy living, having a wide range of positive mental and physical effects on individuals. I intend to produce a sound activated climbing system, allowing visually impaired individuals to hear via audio based cues where the holds are placed and where the limbs are to be moved being an accessible recreational sport. I'm seeking technological and opinionated advice towards the project.

#### Post Comment Comments

**Pascal @ 2021.05.02 10:16 AM**

Hi Gene,  
as rock climber and director of the SMART infrastructure Facility (University of Wollongong), I'm happy for our team to brainstorm on your project...:-)  
<https://www.uow.edu.au/smart/>  
cheers  
pascal

**R Hainsworth @ 2021.05.03 10:16 AM**

A brilliant concept Gene. I can only imagine the incredible challenges someone would face doing simple sports. At the same time I am thinking this would be a whole new sensation for someone who was visually impaired.  
I am not sure if you are on LinkedIn but your idea has been picked up and shared in there. Lots of people excited about it, 30 likes and 12 comments so far.  
The amazing thing about IdeaSpies platform is that there are so many wonderful people scanning the ideas that get POSTED and they love to share them with their business and industry networks.  
Great work, I can't wait to see your project come alive. What would you do if someone gave you \$1000 to spend on your project?

**Gene @ 2021.05.05 10:16 AM**

Thank you Pascal, I would greatly appreciate feedback from your teams brainstorm.

**Gene @ 2021.05.05 10:16 AM**

Thank you R Hainsworth for the encouraging and kind feedback, I'm not currently on LinkedIn but I'm definitely going to get involved and view all the comments that have been made. If someone gave me \$1000 for my project I would further develop my design and hopefully implement it into climbing gyms around Australia.

---

**Gene @ 2021.05.05 6:39 AM**

Pascal I also wanted to add that at the moment the main challenge I'm facing surrounds the technology used to consistently detect whether the climbing hold is being held, as it has to fit inside the climbing hold, use little electricity, and be within a reasonable price range.

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**GreetingCardSalesman @ 2021.05.05 6:39 AM**

I love this idea, Gene,

At first I thought it was braille numbers on the handholds, then I looked more carefully and understood. Have you considered having the ability to select levels of commentary from very detailed and encouraging to hints or reminders for the experienced climber? Or an insulting voice over like John Cleese or untrustworthy one like GLaDOS from Portal for those who like to laugh while they climb?

Good luck, I am curious what the target market think.

---

**GreetingCardSalesman @ 2021.05.05 6:39 AM**

Hmm, Gene, does it have to detect whether it is being held, or a hand is near it? A voice that says 'warmer, warmer, ..' would tickle my sense of humour.

If you wanted haptic rather than auditory content, and had a signal receiver on the climber's gloves that buzzed a little as it got closer to weak and static signal output might be helpful.

---

**Gene @ 2021.05.05 6:39 AM**

Hi GreetingCardSalesman, I like what you're thinking, it sounds humorous although I have established that for the sound being emitted from the holds motor vibrators would be the most suitable equipment as it requires little energy and can be easily fitted inside the climbing hold as size constraint is a large issue, it can also easily be detachable from inside the hold, also being important as every month at most climbing holds need to be power washed and soaked to remove the clotted chalk from the holds as they lose textural grip after a while. The detachability is also important as it would be suitable if my design could be attachable to various holds. In terms of range of difficulty, that will be determined through which holds get buzzed, as a hold further away may be the next move, although the method to determine difficulty is still something I need to clearly figure out. Also the glove idea could work thanks for your help I will investigate that idea further.

---

**GreetingCardSalesman @ 2021.05.05 6:39 AM**

Oh, first, ew, yuck, I did not know that about the chalk, second, my apologies as I still don't understand your plan. I was making guesses from the pictures and was thinking of things like an ear piece tuned to a broadcast channel for that wall that activated the relevant clue when you waved your hand past a block, much like when you go to an art gallery you can select the audio description you want to hear if you like a specific painting. It sounds like your plan is to have the weight on a rock activate a series of options to make sounds. Perhaps then there could even be different tones for difficulty? Maybe time delayed for each difficulty so there is time to hear the options? No idea, just having fun imagining all the ways this could work and how it would be funded for the user.

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**Gene @ 2021.05.05 6:39 AM**

Yes GreetingCardSalesman there are definitely a lot of interesting variables affecting how my design will function, can't wait to piece them together and experiment myself :)

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**Pascal @ 2021.05.05 6:39 AM**

Hi Gene,

Like GreetingCardSalesman, our team thought that haptic feedback system coupled to ultra sonic sensors to detect hold's location. Climbing gyms are often very noisy and audio cues aren't ideal. Besides, verbal or simple sound cues corresponding to at least three or four contact points might be overwhelming. Four small haptic receptors (two wrist ones and two ankle ones) can provide much clearer information to the climber.

Your point about regular cleaning of rock faces is essential! It makes me think you should try to avoid placing any sensor on/into holds. Haptic sensors could be informed by pre-recorded high res 3D mapping of the rock face. Routes could be predetermined according to climbing experience. Another approach could be to use AR technology whereby haptic sensors are informed in real time by (automated) video analysis of the climb.

Anyway, two things to keep in mind, regardless of the technological solution:

1) In climbing gyms/caves, rock faces are jam packed with holds corresponding to intertwined routes of various grades. How will system indicate to climber that he/she's grabbing the right hold?

2) climbing is an art and same climb can be achieved through very different sequence of moves and holds, depending on experience, morphology or even 'feeling'. How can your system still provide this sense of 'freedom' and creativity that most climbers enjoy?

cheers  
pascal

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**Cass @ 2021.05.12 6:39 AM**

Hey, cool idea! As someone who is blind (although not a rock climber) I thought I'd chime in here. I am leaning towards some sort of wearable device with haptic feedback being the best option here. If you were relying on sounds emitting from the holds, I worry that you wouldn't be able to tell where to put your feet. It would be easy enough (I assume) to hear the sound to tell me where to put my hands, but when the sound would be coming from below my head it would be hard to judge the distance and direction. I hope this makes sense. Someone else mentioned about devices on your wrists and ankles which could vibrate. This sounds like it is heading in the right direction to me, although how you tell the climber where to move the vibrating limb I don't know...

I also wondered about an app. The climber could select the level of difficulty they want, and then wear a headset to receive audible directions such as "move your left foot approximately 50 cm up and 20 cm right". Something like that. Perhaps it could incorporate a verbal prompt to go to the next step (something like hey Siri). So when I have moved my left foot and am ready for the next direction I could just ask "Hey climb buddy, next step". As I mentioned, I am not a climber, but you usually have a spotter who remains on the ground right? Another possibility could be that the spotter presses a button which makes the app announce the next step once the climber is ready. This would also avoid the need to remove the sensors for washing, but may involve a lot more work than you were expecting. Food for thought anyway!

Good luck!

PS: I would super love it if you could use the phrase "vision impaired" rather than "visually impaired" as this is the correct term in Aus! No biggie though.

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**Gene @ 2021.05.12 6:39 AM**

Thank you Pascal for your advice and sorry for the late reply. I am unsure about the use of a haptic feedback system. As climbing's difficulty and freedom like you were talking about mostly relies on the process of making the move, as you can choose as to which way you will make the move (dino, palm press, dynamic, static, heel hook, etc) I feel as though if you have a vibrator in the hand getting strong when your hand moves closer to a hold you will not have a determined move to reach that hold, instead you will be attempting to find the position of the hold, making climbing a harder process and limiting creativity. What do you think?

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**Gene @ 2021.05.12 6:52 AM**

Thanks Cass, they are some really good and helpful ideas. Thank you for educating me on the term vision impaired and the concerns of sound cues from below your body. I will experiment with these ideas on the rockclimbing wall whilst blindfolded having a person giving me cues and also them tapping holds to see what methods are effective.

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**Wombat @ 2021.06.02 7:05 AM**

Hi Gene,

I am currently in year 12 and am undertaking my year 12 major project. I identified vision impaired climbing as the problem I would try and solve and am currently building my solution which differs from yours in many ways. If you would like to chat about my findings I would be more than happy to!

Regards  
Zac

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**Nuella @ 2021.06.04 7:05 AM**

I look forward to the results of your experimentation and testing Gene.

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**Gene @ 2021.06.09 7:05 AM**

Hi Zac, it would be awesome to talk about our projects, thanks Gene you can email me on the following email [nuelle-joy.lancaster@det.nsw.edu.au](mailto:nuelle-joy.lancaster@det.nsw.edu.au)

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**R Hainsworth @ 2021.06.21 12:37 PM**

Hi there Gene. Hope your project is going well. Wondering if you and Zac have had a chance to connect and discuss your projects. Would love to hear how you are both going and if you have had a chance to collaborate.

Great that you are both benefiting from Cass's comment.

Ciao

---

**Gene @ 2021.08.27 12:37 PM**

Hi R Hainsworth apologies for the late reply, its been a very, very busy couple of months due to all my major works that I'm working on. Unfortunately Zac did not get back to me, would have been great to hear his position.

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**Wombat @ 2021.08.28 12:37 PM**

Hi Gene

Zac here, I tried to email you but the email provided did not work. Do you have another one?

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**Gene @ 2021.09.01 12:43 PM**

Hey Wombat, you can contact me through my email, gene.ralph@education.nsw.gov.au

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**R Hainsworth @ 2021.09.09 1:48 AM**

Hi there Gene, hope all is well with you and your loved ones.

Congratulations on your MDP journey. It has been fantastic to follow the evolution of your project. We have learnt so much by being a part of it. I hope that the UpRising initiative has been rewarding and meaningful for you too.

As we wrap up the trial phase of the UpRising initiative and head towards the awards night in November I have a few quick questions. If you could answer these questions in a comment below that would be so great. We want to understand how UpRising assisted you so that we can better help next year's cohort of designers. We are also curious to know if there is anything further you would like to do with your project.

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One last thing, can you add in a 'Start to Finish' photo of your project? Stitch a photo of early drawing or prototype next to an image of your finished product and update your post with this image.

Congratulations once again and looking forward to seeing you in November. You have done an amazing job and we are very proud of the 2021 cohort.

See you soon

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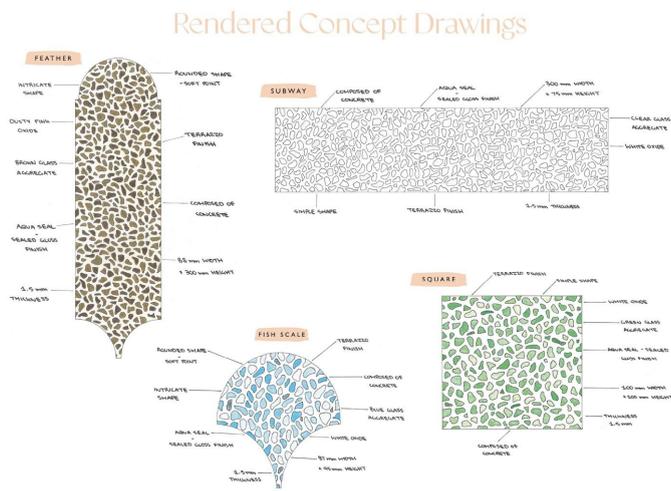
**Gene @ 2021.09.17 5:15 AM**

Hi R Hainsworth, here is my comments following your prompts.

1. Through contacting Pascal and his team I learnt the manors in which they undergo projects, which aided my own development of design. Another interesting thing I learnt was the correct phrase used is vision impaired not visually impaired for Australians.
2. Uprising helped me connect with a wider audience, It enabled me to step out of my small bubble of school and broaden my connections to people I otherwise would not have contacted.
3. I want to further develop my product, my goal is to have my design being used in rock climbing gyms around Australia. to do this ill defiantly need COVID-19 to be less of a restriction and help from others.
4. Honestly seeing other uprising projects did not have an effect on my own design, although being able to help others provided a sense of community and comradery which was nice.
5. It would be helpful if the website could easily upload images, potentially in the comments section, or have multiple images displayable for the project

Thank Hainsworth for the opportunity you provided, it is a great initiative and it was amazing being able to communicate with various individuals on my project.

## **Concrete Terrazzo Wall Tiles - Upcycling Glass Bottles**



Waste is an expanding issue, but what if we could give waste another purpose?  
 Glass bottles due to their limited demand, low value and the high cost of recycling processes have become a waste product that is being landfilled. It is from this I have designed tiles that can carry forward the need for raising awareness in society on upcycling and seek to minimise landfill growth. The upcycling of glass bottles as the aggregate within my tiles, provides an opportunity for interior and alfresco spaces to showcase the aesthetic nature of what may be considered by many as “waste”.  
 Thoughts?

### Post Comment Comments

**R Hainsworth @ 2021.05.03 5:36 PM**

I love the idea Tess, but what do you need from industry, business or community? Are you looking to connect with council to access the waste streams they manage or recycling machinery /companies to get access to quantities of crushed glass? Creating and building circle economies is critical to the planets chances of survival. Your project is so important.

Great video

\* Recycling revolutionary shows how you can turn old clothes into kitchen tiles | Australian Story  
<https://www.youtube.com/watch?v=4fkbQynfSyY>

**Lynn Wood @ 2021.05.05 5:36 PM**

Your idea reminds me of our trip to Barcelona where we saw wonderful work by the famous architect Gaudi.

<https://mozaico-art.medium.com/the-best-gaudi%C3%AD-mosaics-from-around-the-world-971f75a7bc9a>

**Pascal @ 2021.05.05 5:36 PM**

Hi Tess,

I agree with R. Hainsworth, you need to get inspiration from the Australian Story about Veena. You might even want to contact her?

**wayde@principals @ 2021.05.07 9:48 AM**

I love your idea Tess of capitalising upon the appealing colour and textural qualities of waste glass and bringing it back to life in a new and beautiful form. Your post reminded me of an article I read recently about harnessing waste glass as an additive to cement to ease landfill, reduce the depletion of sand stocks and reduce the energy and carbon intensity of the concrete industry. While this might be a less aesthetic application of your glass re-use idea, some of the environmental benefits might be worth reviewing for your project... [Recycling of waste glass as aggregate in cement-based materials - ScienceDirect](#)

**Tess @ 2021.05.07 9:48 AM**

Hi everyone,

I will definitely take into consideration your thoughts and make use of these links. Thank you for the suggestions they are all very helpful and I will use such input to revisit in my Major Design Project.

Kind regards,

Tess.

**R Hainsworth @ 2021.09.09 7:53 AM**

Good morning Tess, hope all is well with you and your loved ones.

Congratulations on your MDP journey. We hope that being part of the UpRising initiative has been rewarding and meaningful for you.

As we wrap up the trial phase of the UpRising initiative and head towards the awards night in November I have a few quick questions. If you could answer these questions in a comment below that would be so great. We want to understand how UpRising assisted you so that we can better help next year's cohort of designers. We are also curious to know if there is anything further you would like to do with your project.

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One last thing, can you add in a 'Start to Finish' photo of your project? It looks like we have your very professional finished product but it would be awesome if you could stitch a photo of early drawing or prototype next to this image and update your post. No dramas if its not possible at this stage  
Congratulations once again and looking forward to seeing you in November. You have done an amazing job and we are very proud of the 2021 cohort.  
See you soon

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**Tess @ 2021.09.09 8:34 AM**

*1. What were two interesting things that you experienced or found as a result of being part of the UpRising? One interesting thing that I found whilst being part of the UpRising were the ideas that people brought to me that I had not thought about prior to their comments in terms of how I would create the tiles, where I could gather inspiration from and what could assist me. Another thing that I found interesting was having the opportunity to see others submissions, the wide range of designs and what path their projects were taking.*

*2. How did UpRising help you with your project? UpRising enabled to gain instant feedback on my major from people within the industry, providing me with helpful links, ideas that I should consider or think about incorporating when designing and manufacturing my tiles.*

*3. What would you like to do with your project and what would help you get there? It is from my project that I would like to create more sustainable designs and products - whether this be tiles, homewares or furniture such as coffee tables etc. However, in order to continue this design process funds to buy materials would be needed and to make the manufacturing stage efficient, especially when working with concrete and glass, I think that I would require assistance from others.*

*4. How did seeing other UpRising projects affect your designing and learning experience? By being able to view other UpRising projects, this provided me with the ability to look at the comments made on others projects that incorporated sustainable aspects. As a result, this enabled me to think about whether such comments could be implemented into the design and manufacture of my tiles.*

*5. What would you like to see added to the UpRising initiative to better help next year's students? I think future UpRising students should have the ability to upload more photos to show the development of their design and to demonstrate how they have modified their design accordingly from the feedback acquired.*

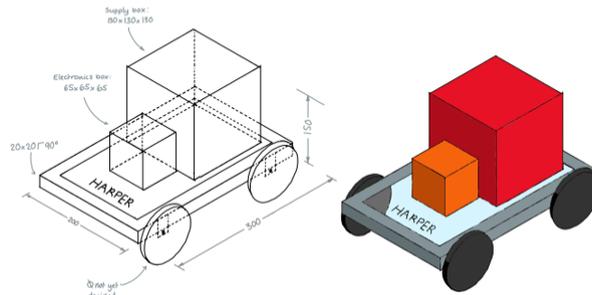
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**Tess @ 2021.09.10 5:14 PM**

Also please feel free to take a look at my Versa Tile Instagram page that I have used to raise awareness on upcycling & promoted my collection of tiles.

[https://instagram.com/versa\\_\\_tile?](https://instagram.com/versa__tile?)

## **Robotic rover for safe delivery of humanitarian aid in warzones**



As a result of increasing conflict in areas such as the Middle East and Africa, humanitarian organisations are being pushed to their limits; manned missions to deliver humanitarian aid to war-affected countries are becoming increasingly dangerous, if not fatal. HARPER (Humanitarian Aid Robotic ProvidER) is a remotely controlled, semi-autonomous rover for the purpose of accessing at-risk communities and providing them with essential resources such as food, water, and medication. It provides humanitarian organisations with a much faster, safer, and more efficient means of supporting those who need it most.

More information can be found in the comments.

#### Post Comment Comments

**Lynn Wood @ 2021.05.20 6:54 AM**

A vey interesting and worthwhile idea. You may find these ideas useful in developing yours when you search the keyword Mars on IdeaSpies <https://www.ideaspies.com/search?q=mars>

**R Hainsworth @ 2021.05.20 6:54 AM**

Awesome idea Nat, what do you need to make this happen? If you could list 2 or 3 things, such as materials or technology that you need to make this happen, industry and business will be better able to help you.

**Narelle Hooper @ 2021.05.22 6:54 AM**

A great idea - wonder is this something Engineers Without Borders would be interested in <https://ewb.org.au/>

**Monique Hegarty @ 2021.06.02 6:55 AM**

Amazing idea, would be so resourceful for developing countries.

**Nat B @ 2021.06.02 6:58 AM**

Thanks Narelle! I will definitely check out EWB as I think they're definitely the sort of organisation that could both help me in my design as well as benefit from my design. Do you know if there is any way that I could directly get in contact with them? Or would it be most beneficial to just explore their webpage?

**Nat B @ 2021.06.02 7:04 AM**

Thank you R Hainsworth! At the moment I am planning on constructing my design from an aluminium/3D printed frame and creating the electronic systems from Arduino. I think the most important consideration for me at the moment is what motors I will need to use for the wheels (many heavy-duty ones are quite expensive!), and if I had more time I'd be interested in making it

autonomous - something which might require more coding expertise than I possess. I would also like to use 3D printing for more components (such as the actual box to house the resources/electronics) yet I am limited by the size of the printers I have access to in the classroom. However, I can overcome this by printing a selection of smaller pieces to assemble into the final product.

---

**Don Coutts @ 2021.06.02 9:39 AM**

Great idea combining humanitarian and technological ideas, who would have thought to do this but the next generations.

---

**Donna Kuper @ 2021.07.30 5:38 AM**

Proud of you Natalie - greta invention :)

---

**Vicky Boyd @ 2021.07.30 5:41 AM**

Fantastic idea Nat. Really looks to improving humanitarian aid and helping our global community. Love it.

---

**Lindsey Wright @ 2021.07.30 5:46 AM**

Fantastic idea. I hope it becomes a reality.

---

**Rosie R @ 2021.07.30 5:47 AM**

This is such a terrific idea. I can see this could work very well.

---

**Rob Farr @ 2021.07.30 5:50 AM**

If Uber eats can deliver your meal by drone - this is a very do-able thing Nat! Think of so many countries where this would be used - including Afghanistan, Myanmar, Congo etc. Well done!

---

**Sharon Cimen @ 2021.07.30 8:08 AM**

Great idea Nat. Well done.

---

**Leone Smyth @ 2021.07.30 8:35 AM**

Such a worthwhile, versatile idea that could potentially help so many people around the world. Great job Natalie!

---

**Pete Yates @ 2021.07.31 5:11 AM**

Great to see youthful energy and passion directed towards a problem that should be owned by all.

---

**Nat B @ 2021.08.02 7:55 AM**

A brief overview of my MDP.

Construction:

The frame of my rover consists of aluminium extrusions (chosen for high strength-to-weight ratio) connected by 3D printed connectors which help absorb shock at the corners. A clear acrylic baseplate is attached to this frame with laser-cut holes to attach the supply crates and electronics housing (clear acrylic allows the HSC markers to observe the internal workings of my design, but wouldn't be used in industry applications). The crates to house the supplies and electronics are both 3D printed and can be secured into the holes in the baseplate.

Functionality:

I have used Arduino for the electronic systems and have written my own code to pair my rover with an upcycled PlayStation controller, allowing me to control it remotely. However, there are also backup distance and rotation sensors that can be used for navigation if remote connection is interrupted. I am currently investigating a way to open the box with Arduino as well as a more accessible user interface (such as an LCD screen to display instructions) and potentially a camera mount.

Aesthetics:

I am looking into the possibility of different camouflage coverings to help the rover avoid detection by groups opposing the delivery (for example, some governments might intentionally limit access to food and water and therefore may try and intercept any deliveries of food and water).

Future plans:

My MDP is a fully functional prototype; however, it would likely need to be upgraded for use in real life (e.g. better electronics, larger size, more powerful motors). It could also be innovated to provide aid to other areas, such as those affected by natural disasters.

Questions/advice:

If anyone has any advice on pairing a PS3 controller with an ESP32 and L298N motor driver with Arduino, please let me know!

---

**CaitlinC @ 2021.08.02 7:55 PM**

This is a great idea Nat, and it is wonderful to see your emphasis on STEM for humanitarian aid. I like how you have identified the potential for HARPER to be of substantial benefit to communities who have suffered from natural disaster. The environmental changes and large-scale population

displacement associated with natural disasters increases the risk of outbreaks, and HARPER may be able to mitigate the spread of disease by transporting essential sanitation and medical supplies where they are required.

I also see this being of great benefit during the SARS-CoV-2 pandemic, particularly for the COVAX initiative where vaccines need to be distributed to every community across the globe before widespread human interaction can recommence safely.

It would be fantastic to see your design implemented in society.

---

**R Hainsworth @ 2021.09.08 5:28 PM**

Hi there Nat, hope all is well with you and your family.

Congratulations on your MDP journey. It was so great to see your latest photo pop up. Your project looks fantastic. We hope that being part of the UpRising initiative has been rewarding and meaningful for you.

---

**Nat B @ 2021.09.08 6:11 PM**

Hi R Hainsworth! Thank you so much for your comment, it means a lot!

To answer your questions:

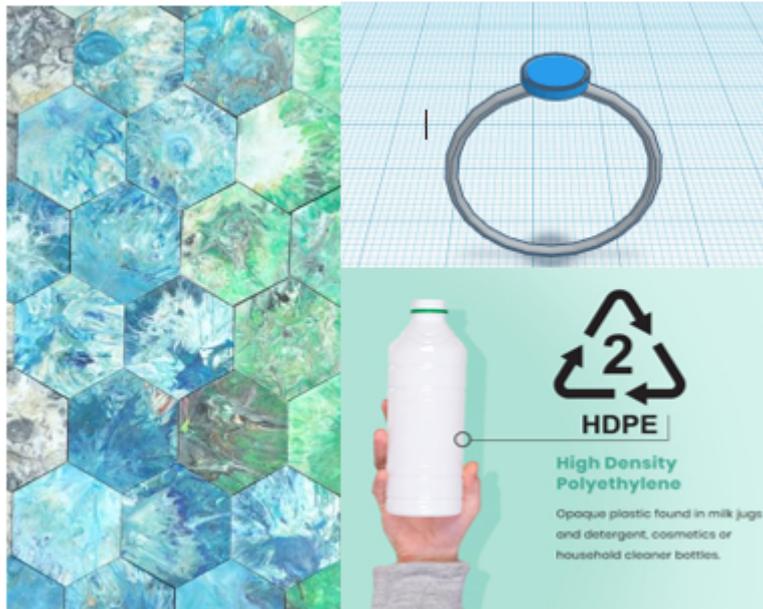
1. The thing I found the most interesting about UpRising was actually nothing to do with my own project - every design that was uploaded to the website is so unique and fascinating, and it is truly amazing to see the ideas that my fellow students have come up with. Another thing I found interesting was that for the first time in my life, I felt like my ideas had a 'following'; I have never seen so many people interested in something I have created, and it has provided me with so much motivation and confidence!
2. In the midst of a pandemic, I was very worried as to how I could interact with both my target market and industry professionals. This was something I had a lot of issues with as I was actually unable to secure an interview with any of the humanitarian organisations I was researching. But this is where UpRising has helped most of all - it has connected me to a community of designers willing to provide feedback on my design and help me with any questions I may have. Having access to such a knowledgeable group of people at my fingertips has been extremely helpful throughout the design project, and I wouldn't have had access to it had it not been for UpRising and IdeaSpies.
3. Ultimately, I would like to turn HARPER into a fully functional model for use in the real world. Although my MDP prototype is functional, it still falls short in many important areas that would need to be addressed before it could actually be utilized properly (e.g. The code needs further development, the body needs to be more robust). I am hoping to pursue a degree in mechatronic engineering next year which should hopefully give me the skills and knowledge I need to complete this project; however, the constraints I experienced during my MDP (time, budget, resources, etc.) would still be an issue in the real world. I would likely need to buy specialised equipment/resources (such as stronger motors, better aluminium for the framework) and hire others to help me machine it (I don't have access to all the tools required). I would also need plenty of time to continue to develop my knowledge of programming, something I can hopefully do in conjunction with my university course. In short, I want to turn my idea into a reality but must consider constraints such as time, money and resources.
4. Like I mentioned above, being able to see some of the other designs on the UpRising page may not have directly influenced my design process, but it was so fascinating and inspiring to see students just like me creating these amazing, world-changing designs. Especially during a year as difficult as this one has been, seeing the constant updates on these projects has shown me the passion and perseverance that these students possess, and it brings me hope both for my own design journey and for the future of design in Australia.
5. If there was one thing I found a little difficult about my UpRising experience, it would be the inability to directly respond to the comments left by other people on my design. Many social media sites offer the function to 'reply' to a comment, and I believe this would make conversing with the designers a lot easier and ensure that no message is missed. Unless this is already a feature and I just don't know how to use it!

I will try and stitch together a photo some time tonight!

Thank you once again, this has been an amazing journey :)

- Nat B

## Sustainable Jewellery



I am creating a range of sustainable jewellery manufactured out of recycled High-Density Polyethylene (HDPE) plastics found typically in household packaging such as shampoo/milk bottles, bread-tags and bottle lids. The jewellery would be crafted from 100% recyclable materials that have high durability and resistance to harsh conditions and environmental impacts, are aesthetic, fashionable, sustainable and toxic free to manufacture, and can be recycled eliminating harm done to the environment which would never degrade, yet by repurposing the material, we create a new, original and unique piece that is far from obsolete.  
New photos coming soon!

**Post Comment**  
Comments

**ReadyFundGo @ 2021.05.08 8:27 AM**

Well done Rosalie this is a great idea.  
Your friends will be lucky to get beautiful birthday presents that are great for the environment.  
If you are thinking about selling your pieces you could set up a small crowdfunding campaign with Australian platform [www.ReadyFundGo.com](http://www.ReadyFundGo.com)  
It is quite simple to set up a campaign and you can e mail us any questions.  
Best of luck and well done again,  
Jill

**Lynn Wood @ 2021.05.09 8:27 AM**

Lovely idea Rosalie. These posts mentioning sustainable plastic may give you some ideas for your project.  
<https://www.ideaspies.com/search?q=Sustainable+plastic>

**Dave Ellis @ 2021.05.18 8:27 AM**

Love the reuse of HDPE. I have worked with it before, and find it versatile. Think about designs that dont require too much 'processing' (less energy needed). Also have a look at vitamin and body builder containers for excellent colours.

**Rachel Worsley @ 2021.05.19 8:27 AM**

Love this idea. Do you take donations of HDPE? I'm sure I'll have some to donate.

**Narelle Hooper @ 2021.05.22 8:27 AM**

Great idea & love the suggestions coming through.  
Some  
Etsy is a great marketplace <https://www.etsy.com/au/> and Terracycle might be a source of supply info if neededZ  
<https://www.terracycle.com/en-AU/brigades>

**Rosalie @ 2021.05.27 7:50 AM**

ReadyFundGo @ 2021.05.08 8:27 AM  
Hi Jill,

Thank you so much for the support! This sounds like an extremely helpful website for the future of my project to create unique and sustainable pieces that are tangible to public! It would also be a great

way to spread awareness of the negative environmental impact of plastics, turning a negative into a positive, and educating people on the ways we can recycle used household waste to better the environment!

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**Rosalie @ 2021.05.28 7:50 AM**

Lynn Wood @ 2021.05.09 8:27 AM

Hey Lynn,

Thank you so much for these helpful related posts, you will definitely assist me in the progression of my progress!

---

**Rosalie @ 2021.05.28 7:50 AM**

Hi Dave,

Yes, HDPE is extremely versatile and allows me to create really unique designs! I have ensured that I use processes that involve very limited electrical process as to ensure minimum to no amount of negative environmental harm. I haven't been able to get my hands on any vitamin/body builder containers, though I have acquired quite the collection of milk bottle caps that come in a vast array of colours!

---

**ReadyFundGo @ 2021.06.02 7:50 AM**

Hi Rosalie

I am sorry it has taken me a few days to reply to your comment.

Yes, as you say it is an easy way to be able to sell your pieces to the public or have an online payment mechanism set-up for you.

If you have any questions about how it works, please feel free to reach out to me at [jill.s@readyfundgo.com](mailto:jill.s@readyfundgo.com)

With best wishes Jill

---

**Rosalie @ 2021.06.03 7:50 AM**

Rachel Worsley @ 2021.05.19 8:27 AM

Hey Rachel,

Thank you so much for supporting my idea! Donations for HDPE would be greatly accepted; I would probably be able set up a drop of system at my school for any donations people have!

---

**Rosalie @ 2021.06.03 7:50 AM**

Narelle Hooper @ 2021.05.22 8:27 AM

Hi Narelle,

Thank you for the suggestions! Etsy is a great E-commerce site that could definitely aid me in the future of my project so that the sustainable pieces could become accessible to the community!

Terracycle also seems like a great community platform where I can collect pieces to craft the jewelry!

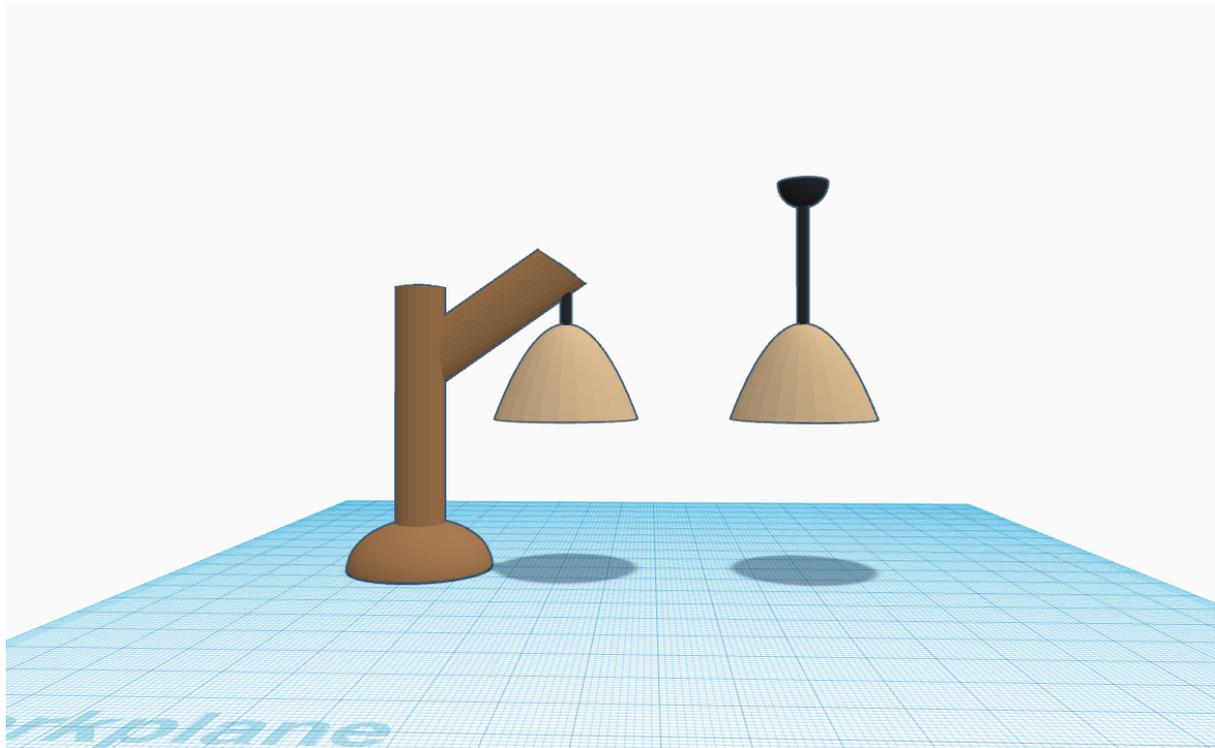
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**Rosalie @ 2021.06.11 3:01 AM**

*Here is the progress I have made with my project so far!*

Currently, I am still designing the new pieces and practicing forming the many prototypes I have manufactured, and preparing to form the final pieces that I will ensure are clean and consistent. The prototypes I have manufactured consist of rings, earrings and necklaces, all varying in a range of colours and metal jewellery elements, and I still continue to melt and collect sheets of marbled plastics to craft my jewellery from. Thank you to those who have provided feedback and improvements, as well as for the ongoing positive support of my project!

## Recycled Seaweed Lamps



Seaweed is a versatile plant-like organism that is undervalued in its capabilities. My MDP is a range of recycled seaweed lamps. The shade components will be manufactured using a combination of seaweed, recycled paper and agar dried to form a fabric type material. The base of the lamps will be driftwood collected along our beaches. The aim of this project is to repurpose unwanted beach materials that otherwise would be left to rot on our shores and to create an aesthetically pleasing homeware with minimal cost and impact on the environment. I look forward to hearing your feedback.

What do you think?

[Logged in as UpRising](#) . [Log out?](#)

[Comment](#)

[Post Comment](#)

[Comments](#)

---

**Lynn Wood @ 2021.05.05 11:41 AM**

Very imaginative. This idea on IdeaSpies when you search "lamp" could give you more ideas to develop yours <https://www.ideaspies.com/posts/turning-plants-into-batteries-and-house-lamps>

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**R Hainsworth @ 2021.05.05 12:46 PM**

Brilliant concept Jess. What type of manufactures would be most helpful?

Have you considered contacting beach side councils that are in charge of grading the beaches in the mornings?

Can't wait to see this develop.

---

**GreetingCardSalesman @ 2021.05.05 2:09 PM**

hi Jessica,

I like the idea of these materials being recycled. Driftwood bases sound very bespoke and romantic. I would want you to reassure me that the new fabric wont be attractive to pets to eat, be a fire hazard or smell funny. I am curious as to whether you will design shades that echo seaweed in their shape and colour or plan to make them indistinguishable from other sorts of fabric.

---

**Pascal @ 2021.05.05 4:37 PM**

Hi Jessica,

driftwood is definitely in fashion with interior designers; so, you might have a market!

I wouldn't consider seaweed and driftwood as 'unwanted' on our beaches, they are part of this ecosystem...plastic waste polluting our beaches are definitely 'unwanted'. This said, I agree there is plenty of it, so better make something out of it!

have you thought about the logistics associated with the sourcing and transformation of the material (driftwood and seaweed)? what is a nice and environment-friendly solution for a dozen of lamps might become a supply chain nightmare for thousand of them...

cheers

---

**Sabra Brock @ 2021.05.05 5:37 PM**

Like the idea. What will the bases be made of? Driftwood? Add shells for a nautical theme?

---

**ReadyFundGo @ 2021.05.08 12:47 AM**

We like the idea of using recycled paper and also seaweed as seaweed can be grown as well if you were to grow to such a scale that you needed very large quantities. The drift wood may be limited and some people see it as part of our ecosystem.

We look forward to seeing your first creations. If you are thinking about selling them you could add them to our platform [www.ReadyFundGo.com](http://www.ReadyFundGo.com) where you could sell a few.

Best of luck with your venture and well done.

Jill

---

**wayde@principals @ 2021.05.13 12:00 PM**

You're tapping in to a big movement around seaweed upcycling. While it's a bit left-field I thought I'd pass on this link to a Scottish textile designer [and recent design graduate] Jasmine Linington, who is making beautiful fabrics and high end fashion pieces harnessing an Austrian textile called SeaCell. Seaweed fibre is the magic ingredient in this fabric. I thought the article might spark some ideas for you about the creative possibilities for the light shades. [Jasmine Linington uses seaweed to make couture clothing \(dezeen.com\)](https://www.dezeen.com)

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**Madeline Cunningham @ 2021.05.17 9:11 AM**

Very interesting article on seaweed farming with the Climate Council, CSIRO, Future Feed and more. <https://www.afr.com/companies/agriculture/why-this-fashion-designer-turned-to-seaweed-farming-20191112-p539uw>

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**Madeline Cunningham @ 2021.05.17 9:27 AM**

Very interesting article on seaweed farming with the Climate Council. CSIRO. Future Feed and others <https://www.afr.com/companies/agriculture/why-this-fashion-designer-turned-to-seaweed-farming-20191112-p539uw>

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**Gillian Corban @ 2021.05.18 5:56 AM**

You could try talking to owners of Homewares type stores who value our need for climate action. You could try Chris Tourgelis at Opus Design Store in Paddington for his feedback.

OPUS design P/L

354 Oxford St, Paddington NSW 2021

Ph: +61 2 9360 4803

[opusdesign.com.au](http://opusdesign.com.au)

---

**Dave Ellis @ 2021.05.18 5:02 PM**

I like the idea. Why lamps? Are there any specific characteristics of the material that point towards lamp shades?

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**Rachel Worsley @ 2021.05.19 11:15 AM**

What a great idea! I'll be keen to follow your project as it develops.

---

**GreetingCardSalesman @ 2021.05.21 7:14 AM**

Hi Jessica,

depending on how interested you are in seaweed in general, you may find it interesting to see what Pia Winberg is doing in the local industry.

<https://www.linkedin.com/in/pia-winberg-37049930/>

<https://www.goodnewsnetwork.org/australian-kelp-farming-helps-climate-change-agriculture-and-more/>

<https://www.venusshellsystems.com.au/about-us/>

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**Jessica @ 2021.06.17 4:48 AM**

Lynn Wood

Thank you for your feedback on other lamp designs and development. The link is greatly appreciated.

Jessica

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**Jessica @ 2021.06.17 4:56 AM**

R Hainsworth

I have done research on collecting seaweed from beaches and there are no rules or guidelines in regards to taking items from local beaches in the eastern suburbs. Thank you for your concerns.

Jessica

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**Jessica @ 2021.06.17 5:37 AM**

GreetingCardSalesman

Thank you for commenting on my design for uprising.

Once the seaweed is fully dried out, there is not a funny smell. Also due to the materials the lamp will have unique texture and colours from drying out the seaweed. I also appreciate the link Pia Winberg. Thank you for sharing your concerns.

Jessica

---

**Jessica @ 2021.06.17 5:12 AM**

Pascal

Due to the sourcing and transporting of the seaweed and driftwood, I collected a reasonable amount of seaweed on my walks throughout the weeks according to my design time plan to follow for my MDP. Thank you for sharing your concerns.

Jessica

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**Jessica @ 2021.06.17 5:14 AM**

Sabra Brock

Yes the base of the seaweed lamp will be made from driftwood to complete the natural and unique lamp. Thank you for commenting to my uprising design.

Jessica

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**Jessica @ 2021.06.17 5:22 AM**

ReadyFundGo

Thank you for commenting on my uprising design.

Jessica

---

**Jessica @ 2021.06.17 5:38 AM**

wayde@principals

Thank you for the link. It will be really helpful in my final stages of my manufacturing of my seaweed lamp.

Jessica

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**Jessica @ 2021.06.17 5:40 AM**

Madeline Cunningham

Thank you for the website links to help with the research and manufacturing of my seaweed lamp.

Jessica

---

**Jessica @ 2021.06.17 5:43 AM**

Gillian Corban

Thank you for supporting and commenting on my uprising design project for my MDP. I will look into this store for climate action.

Jessica

---

**Jessica @ 2021.06.17 5:46 AM**

Dave Ellis

The lamp allows people to feel connected to nature and the beach. This enables people close or far away from the beach allow them to remember memories or reflect.

Jessica

---

**Jessica @ 2021.06.17 5:47 AM**

Rachel Worsley

I appreciate you following my design and through the manufacturing process.

Jessica

---

Wishing you the best of luck with your final exams. Awards night is on the 9th December

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**Lynn Wood @ 2021.11.26 3:05 AM**

Just saw this lamp Jessica that's similar to yours in some ways. Good luck in the judging and developing your product further next year.

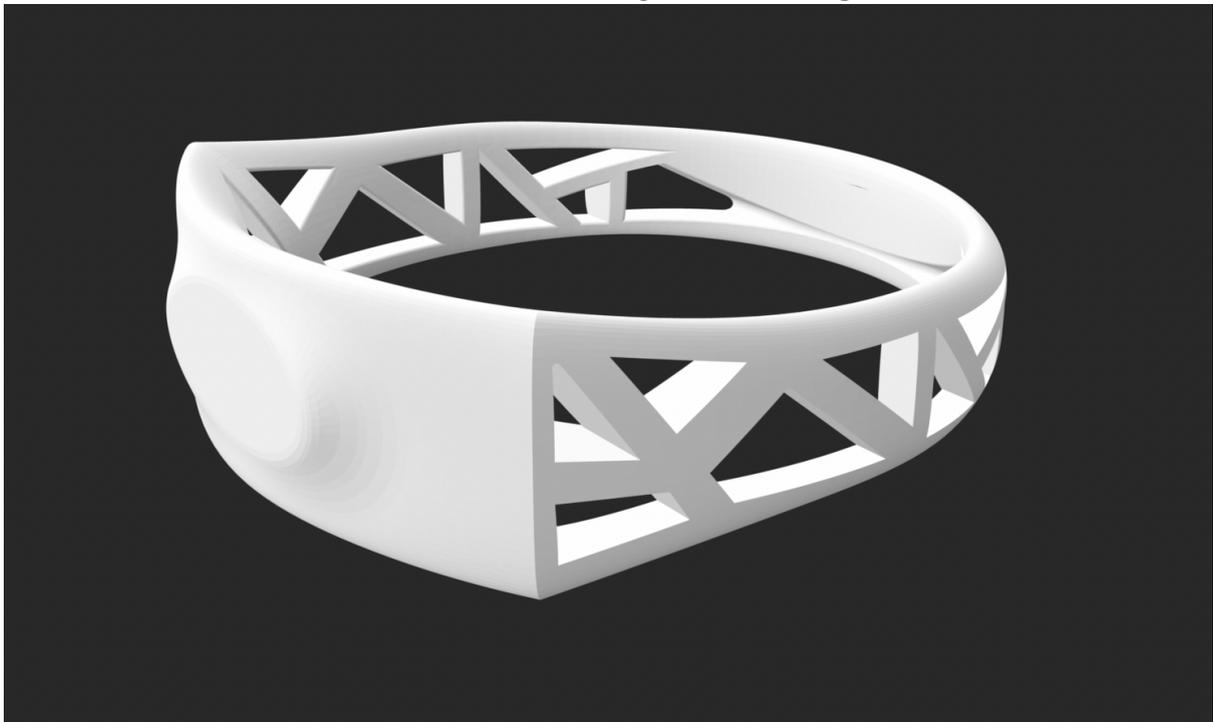
<https://heliograf.com/lightsoy/>

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**Gillian Corban @ 2021.11.26 3:46 AM**

This is a terrific idea

## Re-useable jewellery



Yearly, around 7 million tonnes of building waste materials are sent to waste disposal. My product enables me to counter that, being a fashionable clothing accessory, that incorporates a bottle cap opener. This product could be manufactured with waste products, such as stone, metals or wood. As fashion goes through seasons, it incorporates a overhang, which can be used to take off beer bottle caps, which saves other products from being manufactured. It may also be an accessory which could be put on necklaces. Rings are also very easy to design, meaning new designs could be manufactured constantly.

### Comments

**Lynn Wood @ 2021.06.04 12:47 PM**

Useful jewellery looks like a very practical idea that could be fashionable. This idea posted by our IdeaSpies [Artistic Editor](#) may be helpful in your thinking.  
<https://www.ideaspies.com/posts/bottletop-designer-bags>

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**Gillian Corban @ 2021.06.04 12:09 PM**

This is a good idea and we need more people like you having ideas to make things to be novel and have various uses. Rings need to be designed with meaning as well as be beautiful. Everything we create needs to have a purpose- useful or aesthetic to justify using precious resources. Good on you.

---

**Deyan Stamatov @ 2021.06.04 6:17 PM**

I think an important thing about sustainable products, especially with items like jewelry or clothing is to ensure you don't take away from looks. This idea has sustainability but keeps a pretty good design that I wouldn't mind owning myself. Great job!

---

**Gillian Corban @ 2021.06.11 3:10 AM**

Great idea have you considered the sales channels you could sell through. Gillian

---

**April Chepovskygold Harvey @ 2021.06.11 3:57 PM**

I think it would be interesting to propose your idea to Plastic Bank. David Katz heads that .

---

**GreetingCardSalesman @ 2021.06.16 1:09 PM**

I like the idea of useful wearables.

Have you thought of other functions or other wearables? 7 Million tonnes is a lot of room for recycling ideas.

I would love it if my chemist purchased glasses had recycled plastic frames that I could interchange my lenses into.

## Affordable fidget jewellery



My project targets youth struggling with mental health by giving them an outlet to use their nervous energy and help them focus in a discreet way. It does this through allowing them to fidget in a non-distracting way which can help with focus during school and assist their endeavours in having good mental health.

**Post Comment**  
Comments

**Lynn Wood @ 2021.06.04 12:41 PM**

Charities use wristbands as fund raisers. Maybe it would be worth contacting this company and a mental health charity to develop something different from what's already available

<https://www.exelprint.com.au/wristbands-for-charity-fundraisers?>

You could also contact this company that had a great wristband idea however COVID has killed it  
<https://ideaspies.com/posts/a-digital-game-for-kids-that-encourages-outdoor-play>

---

**Samantha Sakr @ 2021.06.11 11:22 AM**

This is a good concept. The band can also help raise awareness of mental health. It can also encourage people going through similar situations to start conversations with one another and help form a supportive community.

---

**Jeremy Ungar @ 2021.06.16 6:50 AM**

Excellent concept, have you seen Jock from Masterchef championing such jewellery?  
<https://www.dailymail.co.uk/tvshowbiz/article-8519373/Jock-Zonfrillo-explains-carries-beads-MasterChef.html>

---

This idea has a long history.

---

**GreetingCardSalesman @ 2021.06.16 1:12 PM**

This is cool, I would love to see what features you incorporate, eg ball bearings in a maze I could chase around a mandala groove, or repoppable cells like that repoppable pop paper made from plastic, Or rough smooth textures. Have you researched what sorts of features people find helpful?

---

**R Hainsworth @ 2021.09.08 5:14 PM**

Hi Amy, hope all is well with you and your family.

Congratulations on getting to the submission point of your MDP journey. Your project looks fantastic and I hope that being part of the UpRising initiative has been rewarding and meaningful for you.

As we wrap up the trial phase of the UpRising initiative and head towards the awards night in November I have a few quick questions. If you could answer these in a comment below that would be so great. We want to understand how UpRising assisted you and also help us best prepare for next year's cohort of designers.

1. What were two interesting things that you experienced or found as a result of being part of the UpRising?

2. How did UpRising help you with your project?

3. What would you like to do with your project and what would help you get there?

4. How did seeing other UpRising projects affect your designing and learning experience?

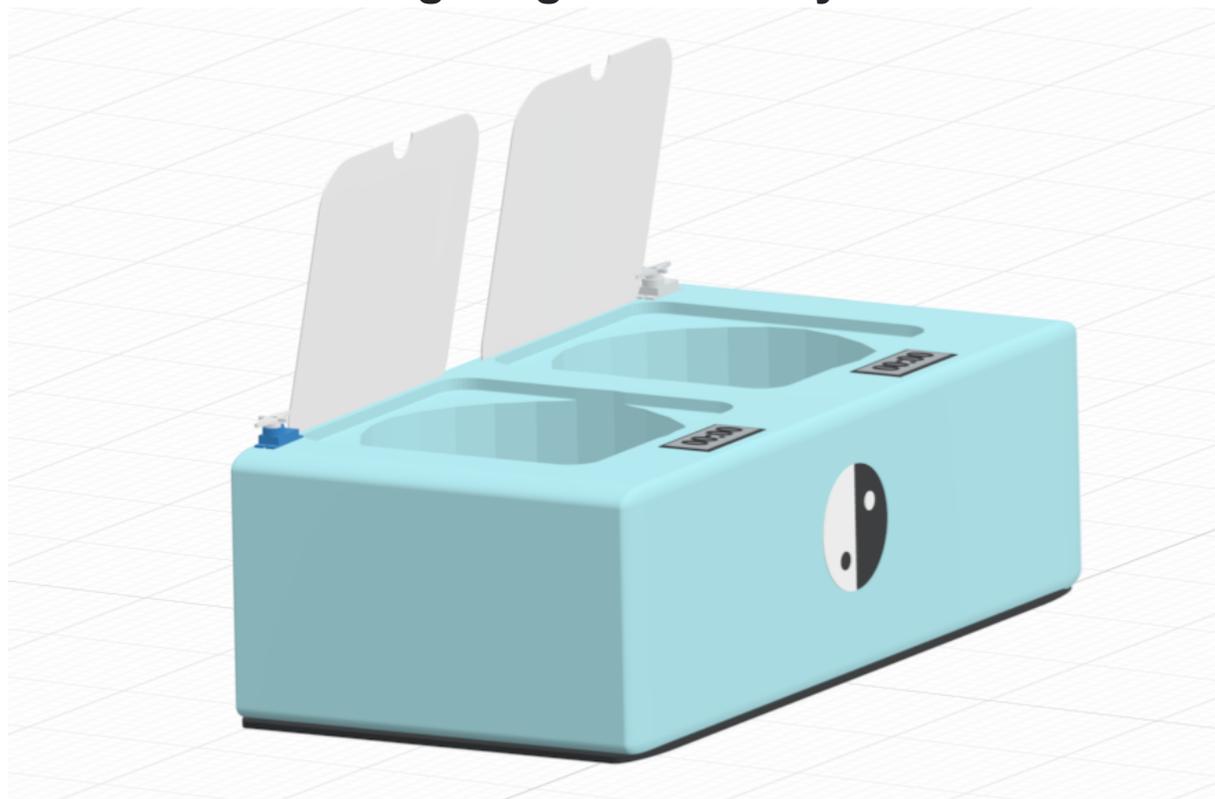
5. What would you like to see added to the UpRising initiative to better help next year's students?

One last thing, can you add in a 'Start to Finish' photo of your project? Stitch a photo of early drawing or prototype next to an image of your finished product and update your post with this image.

Congratulations once again and looking forward to seeing you in November. You have done an amazing job and we are very proud of the 2021 cohort.

See you soon

## Fighting Pet Obesity



Pet owners are becoming increasingly preoccupied with increased work hours, social media and technology leading to 40% of domestic animals suffering from obesity. My product is a modified dual food and water pet feeder incorporating an RFID operated lid linked to the pets collar, inbuilt scales in the bowls. The data is recorded and transmitted to the corresponding app allowing owners to easily monitor and track their pets nutritional intake, water consumption and engagement with the feeder.

This allows owners to make informed decisions about their pets meal plan. Any suggestions, feedback or help with RFID/Arduino would be appreciated.

---

**Post Comment**  
Comments

**Jess @ 2021.05.31 7:33 PM**

This is such an innovative idea, my pets would definitely benefit from this!

---

**Lynn Wood @ 2021.06.01 11:15 AM**

Well done Grace! These related ideas on IdeaSpies may give you more ideas and connections:  
<https://www.ideaspies.com/posts/a-dog-collar-that-detects-emotions>

<https://www.ideaspies.com/posts/new-smart-collar-for-pets>

<https://www.ideaspies.com/posts/your-pets-new-best-friend>

<https://www.ideaspies.com/posts/a-new-way-to-keep-in-touch-with-your-pampered-pet>

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**Natalie Ollis @ 2021.06.11 12:52 PM**

This would save pet owners (like myself) so much time in measuring out food - love it!

---

**GreetingCardSalesman @ 2021.06.16 6:00 AM**

Sounds interesting. My problem was that the fat cat ate the thin cats food. If i separated the bowls from each other and the bowl only opened for the thin cat when it was near this could help reduce the fat cats food consumption, Would that be possible?

---

**Madeline Cunningham @ 2021.07.01 9:40 AM**

This is a great idea, Grace. The recently launched Nestle Purina CHEKR Bluetooth dog bowl may help develop your idea further.

<https://www.theaustralian.com.au/life/gadgets/bluetooth-dog-bowl-fetches-data/news-story/e8730d9b3de3d7a37a89a48992951301>

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**David Hauser @ Silicon Beach @ 2021.11.16 1:13 AM**

Hello Grace,

living with a well rounded kitten here myself, I do see great value in this.

The technology that you are looking for is quite common in the dairy industry already. You might be able to get some inspiration from it.

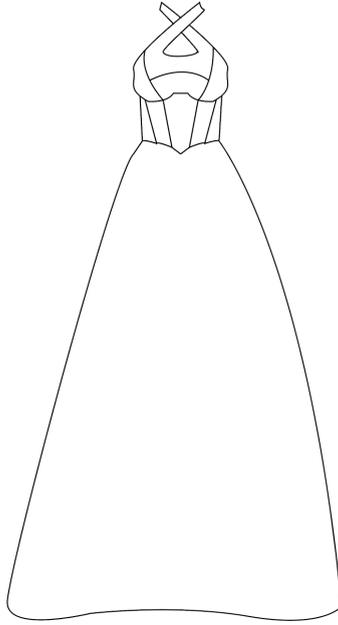
<https://www.queenslandcountrylife.com.au/story/7281599/smart-collars-for-dairys-digital-transition/>

Cheers,

David

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## **Recycling fabrics By Using Second-hand Textiles**



I am creating a cheaper, durable, and sustainable alternative for a formal dress made from thrifted and deconstructed fabrics. 800,000 tonnes of Australian clothing and textiles are discarded each year, attributed to the effects of fast fashion which at times takes qualitative shortcuts for an expensive price. My solution aims to minimise fabric wastage while also reinforcing it through use of different stitches and patterns. The garment will be adjustable, and due to its sourcing from charity stores, the expenses will help marginalised groups.

Could I please have some advice on ameliorating the conditions of used fabrics?

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Comments

**Madeline Cunningham @ 2021.05.31 4:19 PM**

Are you planning on wearing the dress to your Year 12 formal?  
Check out these two 'textile' ideas on IdeaSpies:

1. Australian textile startup Upparel  
<https://ideaspies.com/posts/upcycling-fashion-to-battle-pollution> and
2. BlockTexx <https://www.ideaspies.com/posts/unlocking-value-in-textiles-at-a-fibre-level>

Also, reach out to CEO Camilla Schippa, or our Artist Editor [Gillian Corban](#) who could provide an introduction, at the Social Outfit <https://thesocialoutfit.org/>  
Can't wait to see the finished product!

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**GR998 @ 2021.06.03 5:58 AM**

Hi, the BlockTexx link is dead.

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**Lynn Wood @ 2021.06.04 4:13 PM**

Thanks for noticing @GR998 the BlockTexx link has been corrected.

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**Gillian Corban @ 2021.06.07 3:47 AM**

This is a terrific idea and so necessary. You could try talking to the women at THE SOCIAL OUTFIT in Newtown. [thesocialoutfit.org](https://thesocialoutfit.org) they do wonderful things with fabrics.

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**Madeline Cunningham @ 2021.07.01 9:47 AM**

Hi Cassie - Enes Can from Turkey responded to your idea on LinkedIn. They are a manufacturer of recycled yarn and knitted fabrics.

Else Textile Turkey  
[enes.can@else.com.tr](mailto:enes.can@else.com.tr)  
0090 532 792 66 58

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**laurenmcnamara @ 2021.08.05 1:46 PM**

This is awesome! A simple yet effective contribution to the environment..

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