



















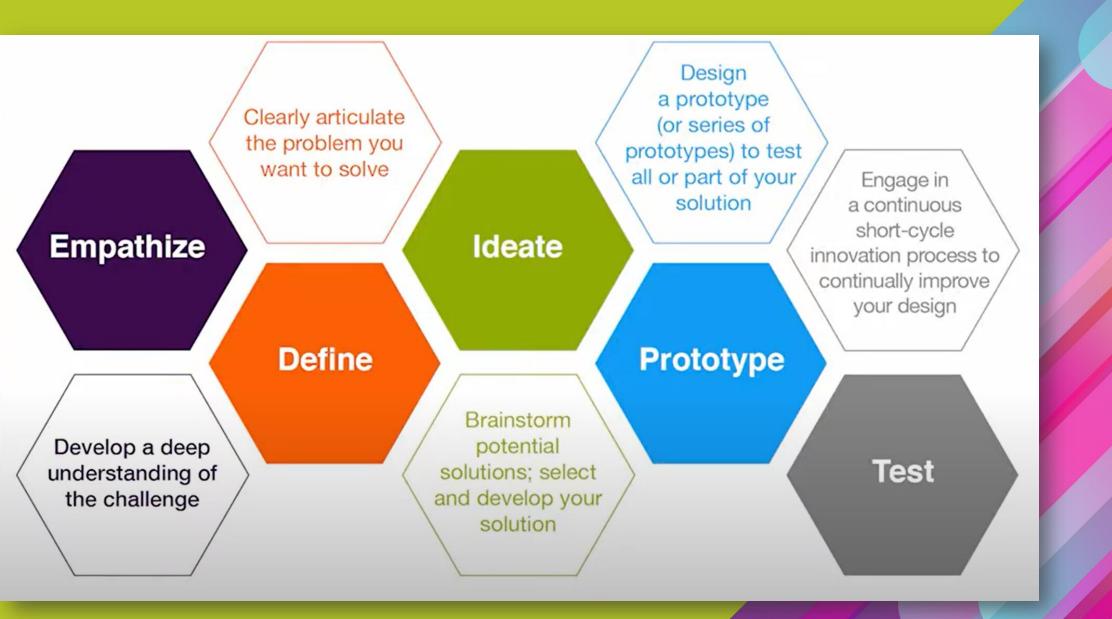


GOOD HEALTH AND WELL-BEING

Ensure healthy lives and promote well-being for all at all ages.

Goal 3 in Action

Explore the Targets



Problem: Re-integrating back into society after social distancing



EMPATHIZE:

People want to get back together with others, but do not want to spike the curve we have made progress flattening. Family gatherings, non-essential employment and schools want to meet in person, but fabric over our faces isn't enough as a make-shift short-term solution.

- · COVID-19 has required social distancing.
- Local and global economies are being impacted because people are having to social distance
- · Schools have closed
- · Socializing and human interaction has been limited
- Personal Protective Equipment is limited and need to be reserved for medical professionals and first responderes

Best solutions given for short term:

- self-quarantine
- · social distance
- shelter in place
- stay home to stay healthy

Officials and immunologists want people to stay safe and flatten the curve.







Coronavirus Live Updates

THE CORONAVIRUS CRISIS

CDC Now Recommends Americans Consider Wearing Cloth Face Coverings

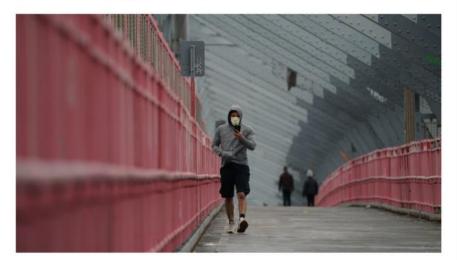
In Public

April 3, 2020 - 5:49 PM ET \vee





ALLISON AUBREY



announced they're changing the official recommendations on face masks, now urging people to wear them in public spaces to

The government is now recommending personal protection when people...

VERIFY: Is there a fabric that can kill coronavirus?

Yes, based on early research, there is a fabric with properties that can kill the coronavirus. But don't expect it at the store around the corner.



More Videos

IU Researchers Identify Fabric That Kills Coronaviruses

IU researchers have demonstrated that a fabric with an electric field kills coronaviruses -- and their discovery could revolutionize the future of personal protective equipment.

It sounds like science fiction

A fabric that smothers coronaviruses in less than a minute, its electrokinetic superpowers choking the life out of COVID-19 like Thanes squeezing the life out of Lole?

It's real, says Chandan Sen, the director of the Indiana Center for Regenerative Medicine and Engineering at the Indiana University School of Medicine in Indianapolis. And, with the number of novel coronavirus infections sitting at 4 million as of May 10, it holds tantalizing potential for the future of personal protective equipment.

He and a team of IU researchers discovered earlier this year that the novel coronavirus relies on electrostatic forces for its ability to infect. So if they could find a metaphorical kryptonite that could disrupt those forces...

The possibilities were electrifying

Then, in a study published May as in ChemRaty, a aits that houses themistry research prior to publication. Sen and his team told the world. They'd done it. They'd discovered that an electroceutical



Yes, based on early research, there is a fabric with properties that can kill the coronavirus. But...

Wearable technologies for personal protective equipment

J. Decaens, O. Vermeersch, in Smart Textiles and their Applications, 2016

23.1 Introduction

Personal protective equipment (PPE) refers to specialized garments or accessories such as clothing, helmets, gloves and so forth that fulfil a protective function against various hazards, mechanical or chemical, when worn by workers. Fit and comfort are essential when choosing a PPE since it will impact the protective performance as well as the mobility of the wearer who may expose himself to higher hazards by tripping or falling. PPE can be classified into different categories depending on the body areas that require protection (Brauer, 2006):

- Eye and face
- Head
- · Foot and leg
- · Hand and arm
- Body
- Hearing

23.1.1 The need for wearable devices in PPE

High-risk situations that involve wearing PPE are often a source of stress for the workers who are subject to dramatic increases in temperature, heart rate and respiratory rate. Therefore, it is necessary to monitor their physiological signs in order to avoid accidents and to be able to alert co-workers. In addition, the adrenaline rush has also as a consequence to trick the wearer's senses regarding the exterior environment. It has been reported (Kantor and Brown, 1996) that many firemen suffer from burns after exposing themselves for an extended period to high temperature without feeling the heat. This example raises concerns about the awareness of the wearer regarding his surroundings and demonstrates the need for PPE to be equipped with temperature and humidity sensors. Ideally, the PPE should be able to monitor itself as well and detect any failure to fulfil its



Create clothing that would protect you and allow you to integrate back into society without posing a risk of spreading the virus to others or catching a virus from others.

Fashion Design Criteria and Considerations

Create a minimum of 4 styles as thumbnails that are created for a specific demographic

Choose at least one to develop more fully

You may use digital ink, or paper

Be able to identify the research that supports the scientific and technological features of your design that protect your demographic

IDEATE

Here are examples of 4 styles as thumbnails



Who is your demographic (who will wear your designs)?

- · Infants/children
- Pets
- Teens
- Young adults
- · Students for attending school
- · Accessibility wheel chairs, hearing support, low or no vision
- Adults shopping
- · Adults working in public with people
- · Adults working in public construction
- · Adults working in public sports
- Adults exercising in public
- · Adults working with childcare or schools
- · Adults healthcare
- · Adults food service industry (restaurants/grocery stores)
- · Adults working in public research and industry

What conditions may the fashion be worn in to protect the wearer

- Will there be smart technologies connected to the fashion to decrease barriers for work?
 Fit bit/Apple watch/blood pressure/heart rate/COVID-19
 detector/Thermometer/Temperature other wearable technologies or smart fabrics?
- Outdoors
- Indoors
- · Weather protection (sun, water, wind)
- · What closures will be used to get in and out of garments?
- · What considerations are taken for breaks for eating/restroom?

What research do you have to support the science and/or technology that makes your design safe and protective of the wearer and those around them?

- · What materials will be proposed for construction?
- What scientific sources did you use to support your design and how did they influence your design (hint: see the Science Direct section of the Sway to get started)?

Design Thinking and STEAM

- · What concept test or opinions did you gather in re-design phases?
- See examples of resources for science and tech in textiles and wearables in the Sway collection below
- How would your designs/prototypes/pitch be presented to your intended audience (designer/general public/policymakers who make decisions on social re-integration)





Watch this 5 minute video on Ruth Carter, the Designer for the Black Panther Costumes on how to design and she talks...

BROOKLYN YAEL JONES

SKILLS

- Empathetic
- Great with analyzing people
- Team player
- Observant
- Good conversational skills

EXPERIENCE

Student Speaker | NCCE | 2020 March 4th-6th

Spoke at two NCCE conferences

Dog-sitting | My House | 2019-2020

Took care of two rambunctious dogs and nurtured them into calm and loving canines.

Other Experience

My mother has worked in HR for over two decades

EDUCATION

Active Student | 2018- | Renton Prep Christian School

Past Student | 2017-2018 | Five Oaks Middle School

Past Student | 2016-2017 | McKinley Elementary

Attendance Award Fall Trimester Attendance Award Spring Trimester

President's Award for Educational Excellence

Past Student | 2015-2016 | Sierra Heights **Elementary School**

Past Student | 2014-2015 | Madrona Elementary School

Past Student | 2012-2014 | Sheridan Elementary

INTERESTS

- Avid reader and writer
- Singing
- Recently: writing piano compositions





@students.agcs chool.org

brooklyn.jones 206-111-0000





Unavailable

Unavailable

VOLUNTEER EXPERIENCE

Volunteered a minimum of 5 hours

- NCCE
- Meal Packing for children in Sierra Leone
- Seattle Goodwill
- Northwest African American Museum | Martin Luther King Day

IT	Marketing	Fashion Design	Materials	Risk	Manufacturing	HR	Project Management	Law
Josh	Eden	Ayaka	Charisse	Nathanael	Sam	Brooklyn	David	Brandon
Gabe	Melay	Halle	Isaac		Krish		Sophia	Toby
Alden	Kush	Jonathan						
	Sharice	Madison						
	Mikylla	Ryan						

@mrzphd #ISTECCL



Sci-Fi and Pop Culture



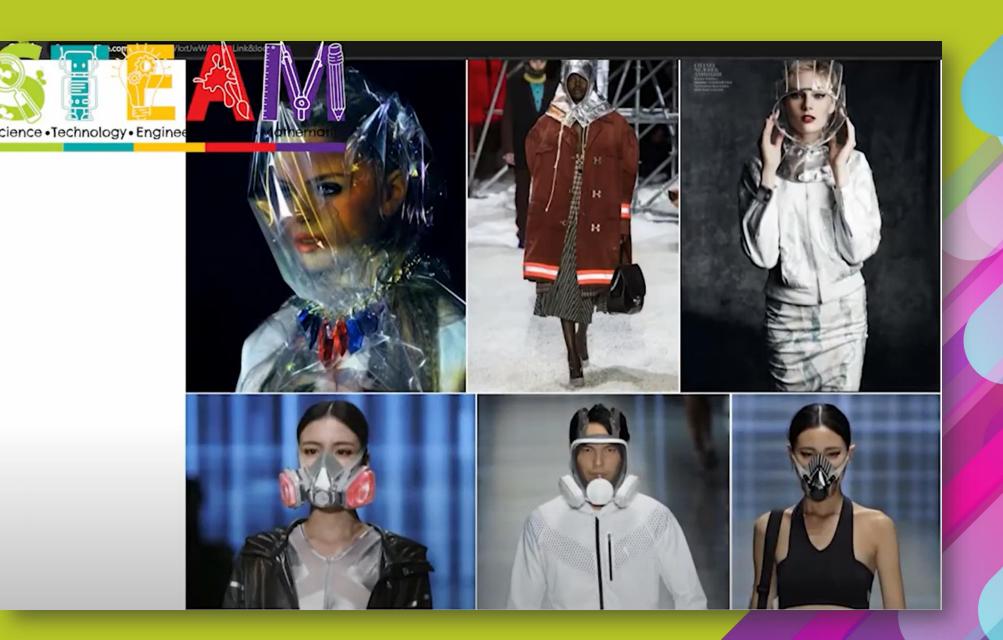


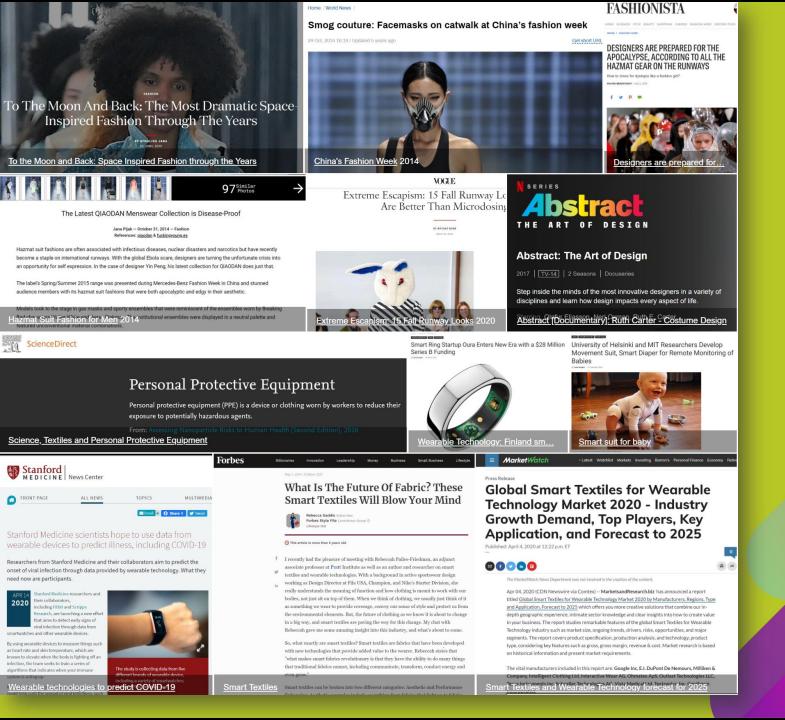


A hazmat suit (hazardous materials suit), also known as decontamination suit, is a piece of personal protective equipment that consists of an impermeable whole-body garment worn as protection against hazardous materials. Such suits are often combined with self-contained breathing apparatus (SCBA) to ensure a supply of breathable air. Aug 13 2019

Hazmat suit - Wikipedia en.wikipedia.org/wiki/Hazmat_suit



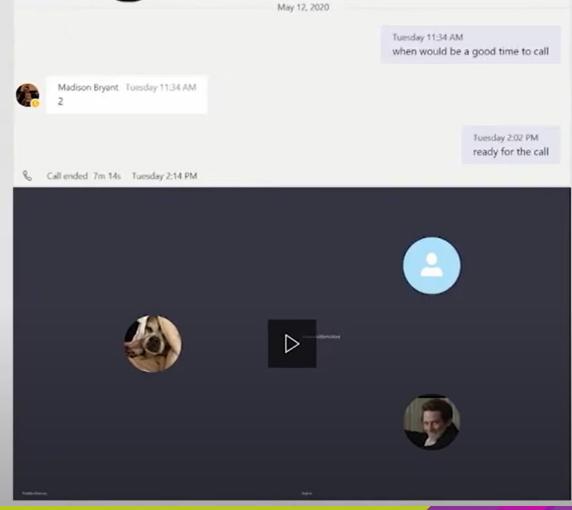




@mrzphd #ISTECCL

Project Management

Evidence of Calls



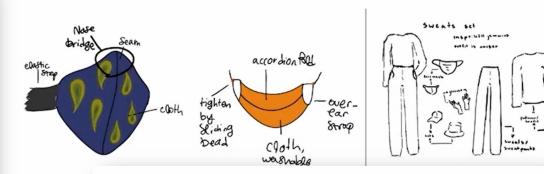
https://web.microsoftstream.com/video/fb966394-e6c8-45dd-9378b97089aff255 https://web.microsoftstream.com/ video/6f06ac03-7594-4f95-912b-32186309ccac https://web.microsoftstream.com/video/ aad1488d-178f-4ca6-9739-785c54c6b8e7 https://web.microsoftstream.com/video/bbbfbeb8-a9c4-4d8f-9511-

f04f499bf516

Fashion Design

Designs

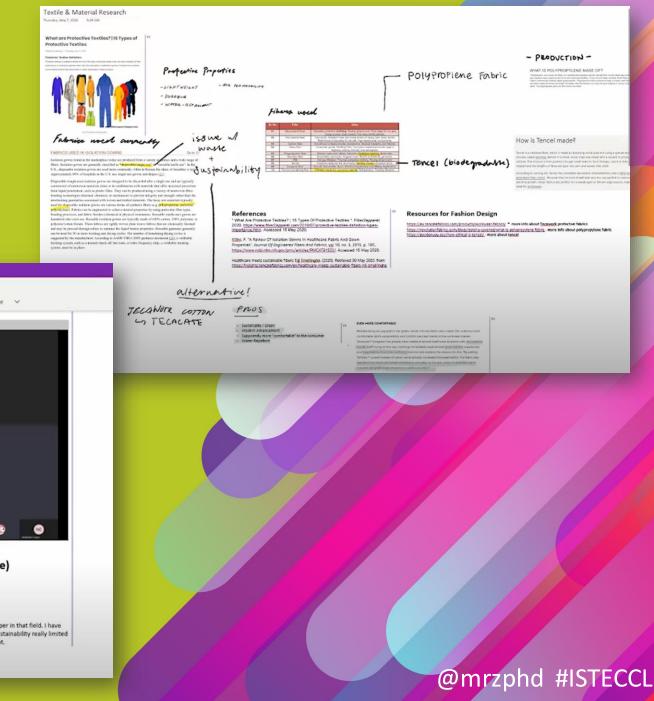


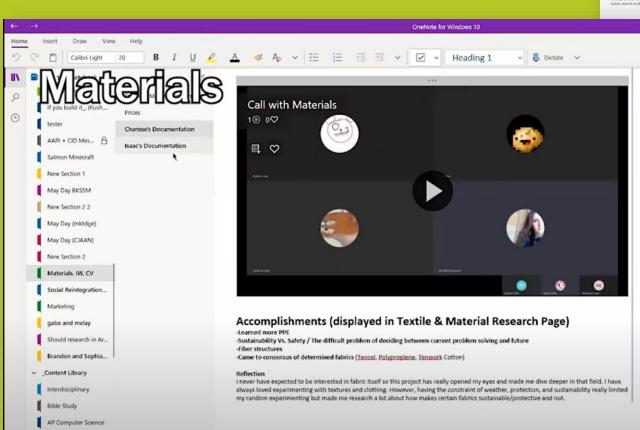


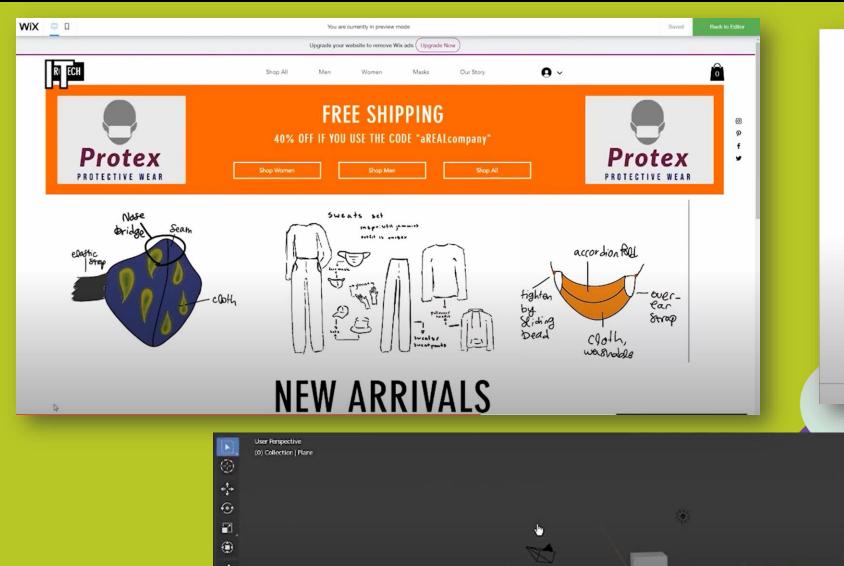












A-Accountable- Leader or person who is the main responsible

C- Consultant- Person you can consultant

I-Informed- Person you must inform and keep informed

If you want to talk to the project manager whose managing, you talk to the persons who has **A** for your group as they are your main manager.

Project Managers RACI

Task	David	Sophia	Nathanael
Overall project	RA	R	
Risk identification	CI	CI	RA
Risk Mitigation	RA	RA	CI
Marketing Team	RA	RCI	Null
Law	CI	RCI	Null
IT	RA	RCI	Null
Fashion Design	RCI	RA	Null
HR	CI	RCI	Null
Finance	RA Y	RA	Null
Manufacturing	RA	RCI	Null
Materials	RA	RCI	Null

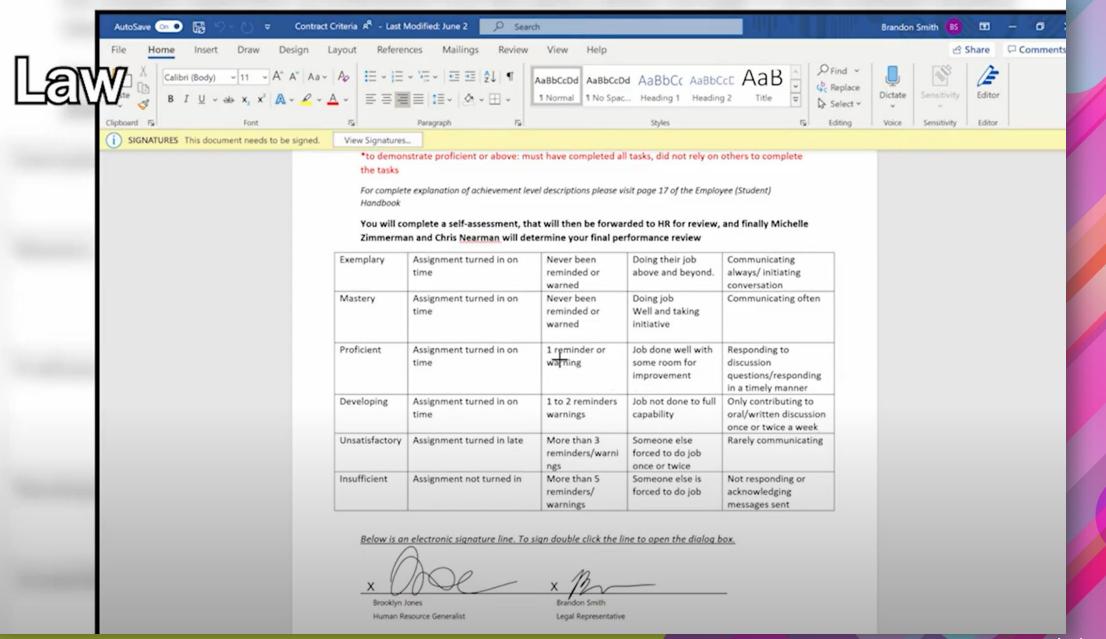
Other Groups RACI

For project managers-

If you want to talk to specific team contact the person who is A for the desired team

Task	David	Sophia	Team/team leader
Marketing Team	RCI	1	Kush - Melay (RA)
Law	CI	RCI	Brandon (RA)
IT	RCI	.1	Alden (RA)
Fashion Design	CI	RCI	Halle (RA)
HR	CI	RCI	Brooklyn (RA)
Manufacturing	RCI	1	Sam and Krish (RA
Makadala	0.04		Charles (O.1)





5/28 | Thursday First Call 12:00pm-Call with Ms. Michelle, Sophia Sta. Rosa (Project Manager), Nathanael Cooper (Risk, Consultant)

About:

Grading Criteria, Project concerns

 $5/28\,|\,$ Thursday $Second~Call~2:13pm\text{-}\,$ Call with Materials, Marketing,

Manufacturing, Project Managers, Risk, and Law

About:

Team concerns, various issues, problems with communication

5/28 | Thursday Third Call 3:00pm- Call with all of company

About:

Project Criteria, Criteria Concerns and thoughts

 $5/29\,|\,\mathrm{Friday}$ 2:23- Call with Materials, Project Managers, Ms. Michelle, Risk, Law

About:

Project concerns, lack of communication, confronting slacking teammates

Microsoft Stream

To see this content, sign in New to Microsoft Stream? sign up

Microsoft Stream

To see this content, sign in New to Microsoft Stream? sign up

each team stays productive and has no arguments. I'll be working with law on making sure that being done in the company is legal and legit. I'll be working with risk on making sure that no one is being harmful to themselves or others. I will be monitoring the productivity of each team as well as how well they follow the policies and guidelines set.

someone else. Is there a set procedure for people not meeting their goals?

What if people choose not to work together with another group for certain reasons?

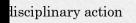
 $5/18\,|\,$ Monday $Second~Call~2:00\,\mathrm{pm}\text{-}\,$ Call with Materials, Project Managers, Law, Ms. Michelle

About:

Going through Social Reintegration Sway, clothing and fabric ideas

5/18 | Monday Third Call 5:33pm - Call with Ms. Michelle, Sophia Sta.

Rosa (Project Manager), Ayaka Pier (Fashion Design Team)



0pm - Call with Law, Risk, and Project

action

2:34pm- Call with Sophia Sta. Rosa (Project



Sta. Rosa (Project Manager)

ob as HR

Ryan Chiang and Jonathan Lee

ead, no response)

Procedures/Policies/Processes

that I've worked on

Exemplary	Assignment turned in on time	Never been reminded or warned	Doing their job above and beyond.	Communicati ng always/ initiating conversation
Mastery	Assignment turned in on time	Never been reminded or	Doing job Well and taking initiative	Communicati ng often

 Making Microsoft Teams the main platform for communication during the project

Brooklyn Jones

- · Coming up with grading criteria for the project
- · Helping to decide on disciplinary actions

5/15 11:07 AM

Hey this is 'HR', I heard that you haven't responding much in your team chat. Your team mates would really appreciate it, even a simple "okay" or "yeah" will do.

Microsoft Stream

To see this content, sign in New to Microsoft Stream? sign up Eaquire



The Telegraph

design boom

Mashable





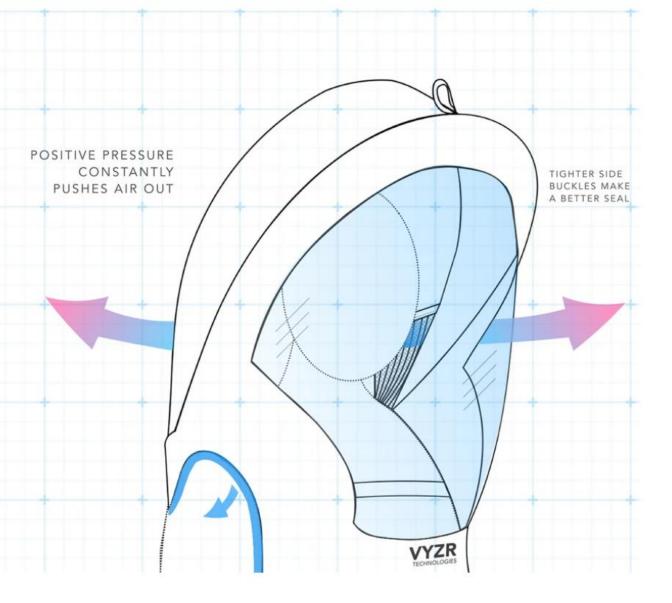
BUSINESS INSIDER

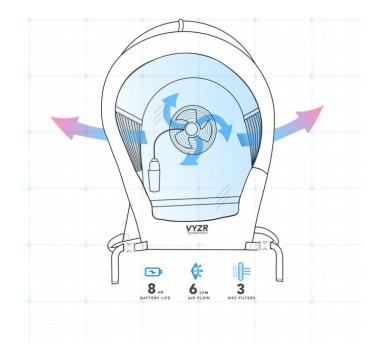
YD DIGITAL
YANKO TRENDS

INTERESTING ENGINEERING

HYPEBEAST

ADAPTING TO A NEW NORMAL WITH PERSONAL PROTECTIVE GEAR THAT ACTUALLY WORKS **GET YOURS** VYZR TECHNOLOGIES





TECHNOLOGY

AIR SEAL

A battery-powered motor fan pushes air into the BioVYZR, creating positive pressure inside the BioVYZR's hood. This positive pressure pushes out exhaled air from inside through two filtering air vents.