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LiveStylz

Magazine

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LiveStylz

EDITORIAL BOARD

WOVEN IN TOUCH SENSORS TO CONTROL A PHONE

Levi's Computer Tracker Jacket is the first garment with Jacquard by Google woven in. Tiny electronics contained in a flexible snap tag connect with the Jacquard Threads in the jacket's cuff to your phone. The snap tag on the inner cuff lets a user know about incoming information, such as a phone call, by flashing a light on the tag and by using haptic response to make it vibrate.

The tag also displays the battery, which can last upto two weeks between USB charges. Users can tap the tag to perform certain functions, brush their cuff to drop a pin to mark a favourite coffee shop and get haptic feedback when their Uber is arriving. It's also possible to assign gestures in the accompanying app and change them easily.

The jacket is tailored with the urban cyclist in mind, perhaps tapping into the hipster image, and features articulated shoulders to provide extra room to manoeuvre, reflectors, and a dropped hem for modesty.

SOCKS WITH PRESSURE SENSORS

Socks with pressure sensors is entirely a newer concept, but socks with sensors contain textile pressure sensors that pair with an anklet that magnetically snaps to the cuff of the sock and communicates with a smartphone app.

Together, they can count the number of steps you take, your speed, calories burned, altitude, walking distance as well as cadence and foot landing technique, which is brilliant for serious runners. The idea is that the smart socks could help to identify injury-prone running styles such as heel striking and ball striking. Then the app can put them right with audio queue that act like a running coach. The Sensoria 'dashboard' in the app can also help you achieve goals, improve performance and reduce risk of gravitating back to bad tendencies.

Courtesy : https://www.t3.com/features/9-new-fabrics-and-technologies-changing-the-clothes-you-wear

S.S. VARSHINI

II M.Sc. CDF

FROM PLANT TO APPAREL: HEMP THE SUSTAINABLE WONDER CROP

Today in fashion industry, it is easy to spot one of the greatest contributors of waste lying around landfills and polluting our oceans. Considering the pollution and water scarcity crisis that we are dealing with, there is an urgent need to switch to sustainable and waste-free fashion choices.

Hemp is one such sustainable fabric that we can switch to, and that has the potential to make the environment better for us as well as for the environment. It takes a lot less water and energy in the production of this super fabric as follows

In order to brush all of these confusions away, we have curated a piece on the process of the making of hemp, read on!

1. It All Starts With the Hemp Plant

Hemp is an organic fabric that is derived from the cannabis family. The process of making hemp begins by separating the long strands of fibres that make up the stalk of the plant. This process of separation is known as "retting".

2. Spinning the Fibres Together

The fibres derived from the plant are raw that then need to be spun together to produce a continuous thread that can then be used to make the fabric.

3. Making the Magic Fabric

After the fibres are brought together into a continuous thread, the threads are woven together to make the hemp fabric. The entire process can be performed naturally.

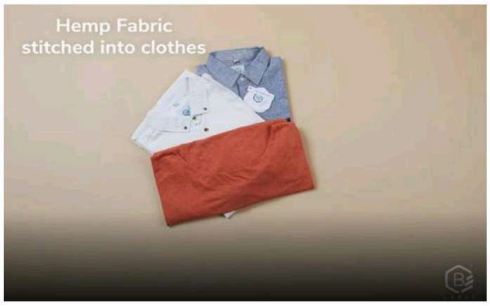
4. Adding a Hint of Colour

Once the hemp fabric is ready, it can be dyed using organic dyes that will be great for the skin. Another great feature of hemp clothing is that it is perfect for sensitive skin since it is a natural fibre that is turned to fabric using natural processes.

5. Ready for Stitching

Now the hemp fabric is dyed into the colours of our choices, the fabric can now be turned into pieces of clothing that will add that edge of style as well as sustainability to our wardrobes.

Unlike other fabrics, hemp can be worn during all seasons because it senses the body temperature and keeps the body warm during winters and cool during summers.



Courtesy :https://www.blabel.inhttps://www.fashionresearch.au//hemp wondercrop

K. MOHAMMAD IDREES

III B.Sc. CDF Vocational

SMART FASHION CHANGES THE FASHION INDUSTRY WITH AI STYLIST

A new era in the fashion industry with Artificial Intelligence technologies – AI Stylist

AI is playing a big role in creating a new era in the fashion industry. It's changing the whole industry in many key divisions, from designing to manufacturing, logistic, supply chain, marketing, and sales.

For example, in design, AI can detect and forecast new trends, reduces the error of prediction. Plus, AI also contributes a lot in

manufacturing, fashion store sales and marketing. Things like sewing, sorting, or dresses are all done by machines controlled by AI technology.

Especially, AI is playing an important role in fashion retail. It monitors the customers' activities while shopping and visualize their sentiments in order to improve buyers' experience. One of AI's applications in fashion is the "AI stylist". "AI stylist" will let people find those exclusive perfect outfits that suit their body type and fashion preferences.

Smart Fashion providing AI stylist with high-technologies

AI (Artificial Intelligence) is a technology that has been applied a lot in recent hi-tech products. Smart Fashion applied a sub-area of AI called Deep Learning to provide users with an AI stylist.

Machine Learning enables the systems to recognize patterns such as body form and clothes from the data sets and the basis of existing algorithms. From the available data, artificial intelligence technology engineers use algorithms and the respective analysis rules to make the images of clothing and users compatible with each other.

Next, they use Deep Learning, a subfield of Machine Learning to make it more "friendly" to users. It will adjust the skin color and make the clothes fit the body image better. Put simply, Deep Learning will produce images that look as realistic as possible through Computer Vision. No matter what your body form is, or how difficult your pose is, this concept can put clothes on you in the best way.

Smart Fashion with AI stylist features

Shopping online saved us a lot of time. When buying clothes online, you will not be able to try it on as buying at stores. But don't worry! The "Try-on" feature of Smart Fashion will help you out! First, you need to upload your photo to Smart Fashion. Finally, you can see how you look like in that item. This is quite similar to the doll dressing games. Now the doll is you! Then, if you fall for that item, just click to buy it.

"Stylish" feature – an AI stylist in your Pocket

"Stylish" feature works as your personal AI stylist in your pocket. You will no longer have to stand in front of a huge closet but find nothing to wear. This app will mix and match the available clothes in your closet onto your image basing on wearing purposes. "Stylish" feature will raise your fashion style to a new level.

Courtesy:https://smartfashion.ai/smart-fashion-with-a

N. ABINAYA

II M.Sc. CDF

P. SUJITHA

III B.Sc. CDF Vocational

MANUFACTURING PROCESS OF BULLET PROOF JACKETS

A bulletproof jacket or bulletproof vest or ballistic vest or bullet-resistant vest is an item of personal armor that helps absorb the impact from firearm-fired projectiles and shrapnel from explosions, and is worn on the torso. Soft vests are made from many layers of woven or laminated fibres and can be capable of protecting the wearer from small caliber handgun and shotgun projectiles, and small fragments from explosives such as hand grenades. This textiles are commonly worn by police forces, private citizens who are at risk of being shot (e.g., national leaders), security guards, and bodyguards, whereas hard-plate reinforced vests are mainly worn by combat soldiers, police tactical units, and hostage rescue teams.

When a handgun bullet strikes body armor, it is caught in a "web" of very strong fibres. These fibres absorb and disperse the impact energy that is transmitted to the bullet proof vest from the bullet, causing the bullet to deform. Additional energy is absorbed by each successive layer of material in bullet proof vests, until such time as the bullet has been stopped.

The fibres work together both in the individual layer and with other layers of material in the vest, a large area of the bullet proof vest becomes involved in preventing the bullet from penetrating. This also helps in dissipating the forces which can cause non penetrating injuries to internal organs.

Unfortunately, at this time no material exists that would allow body armor to be constructed from a single ply of material.

FABRIC REQUIREMENTS

- Low specific fabric weight.
- High tenacity in warp and weft direction.
- High tenacity for further tearing.
- High elongation.
- Good resistance to aging.
- Heat resistance upto 190 ^{0}C.
- Good resistance to UV light.
- Low and very even air permeability.
- Precisely controlled gas permeability.
- Excellent seam integrity.
- Reduced value or burn through resistance.
- Improved pliability and pack height.

MATERIAL USED IN BULLET PROOF JACKETS

A bulletproof jacket consists of a panel, a vest-shaped sheet of advanced plastics polymers that are composed of many layers of either Kevlar or Spectra Shield. A bulletproof vest may also have nylon padding for extra protection. For bulletproof vests intended to be worn in especially dangerous situations, built-in pouches are provided to hold plates made from either metal or ceramic bonded to fiberglass. Various devices are used to strap the vests on. Sometimes the sides are connected with elastic webbing. Usually they are secured with straps of either cloth or elastic, with metallic buckles or Velcro closures.

Courtesy: http://www.madehow.com/bulletproofjacketsmanufacturingprocess

K. MOHAMMAD IDREES

III B.Sc. CDF Vocational

SPORT TECH

The LZR Racer Suit is a line of high-end swim suits manufactured by Speedo using a high-technology swimwear fabric composed of woven elastane-nylon and polyurethane. The Speedo FASTSKIN3 Racing System offers unrivalled benefits to swimmers, including a full body passive drag reduction of up to 16.6%, an 11% improvement in the swimmer's oxygen economy enabling them to swim stronger for longer, and a 5.2% reduction in body active drag, to create the world's fastest cap, goggle and suit ever. With a distinctive and futuristic design that considers both the physiology and psychology of the elite swimmer, the Speedo FASTSKIN3 Racing System enhances the hydrodynamic efficiency and comfort, while improving the athlete's focus to perform.

The Speedo FASTSKIN3 Super Elite Swimsuit incorporates an innovative 3D Zoned Compression fabric system throughout, sculpting the swimmer's body to create the most efficient and hydrodynamic swimming shape in the water, reducing skin friction drag by up to 2.7%. The system incorporates revolutionary Hydro K Zone 3D fabric which provides high power, graduated compression throughout, helping to achieve the optimum hydrodynamic profile. This is complemented by Pulse-Flex fabric used on the shoulders and panels, offering high stretch in one direction to couple freedom of movement with powerful compression.

Courtesy: https://textilevaluechain.in/news-insights/recent-advances-in-sport-textiles

V.PRIYADHARSHINI

II M.Sc. CDF

WOLVERINE FABRIC OR RENOVATE FABRIC

A wolverine-inspired material, completely renovate, transparent, highly stretchable material can be electrically activated.

Scientists, including several from the University of California, Riverside, have developed a transparent, self-healing, highly stretchable conductive material that can be electrically activated to power artificial muscles and could be used to improve batteries, electronic devices, and robots.

The material has potential applications in a wide range of fields. It could give robots the ability to self-heal after mechanical failure; extend the lifetime of lithium ion batteries used in electronics and electric cars; and improve biosensors used in the medical field and environmental monitoring.

Inspired by wound healing in nature, self-healing materials repair damage caused by wear and extend the lifetime, and lower the cost, of materials and devices. Wang developed an interest in self-healing materials because of his lifelong love of Wolverine, the comic book character who has the ability to self-heal.

AMAZING FACT : WOLVERINE FABRIC WAS USED IN MISSION MANGALYAAN DUE TO ITS OUTSTANDING PROPETIES AND IT ALSO SOLVED THE PROBLEM BY REDUCING THE WEIGHT OF THE SPACE CRAFT.

Courtesy :https://clothingscience.in,https://wikipedia.com/missionmangalyaan

K. MOHAMMAD IDREES

III B.Sc. CDF Vocational

M.NATHIYAA

II B.Sc. CDF Vocational

MUSHROOM LEATHER

- The key ingredient of mushroom leather is mycelium. Made up of billions and trillions of tiny cells, it is the vegetative part of the fungus which in layman's terms means the branches of the mushroom or the white fibres that grows on compostable things
- First step is to gather substrates that mushrooms consume as food and also grow on. For example, sawdust or straw.
- These substrates are then dampened, moisturised and kept in a bag to be pasteurised/sterilised.
- It is during this process that the mycelium grows.
- Once a desirable amount is generated, this mycelium is then put into different bags and it starts multiplying after which, all of it is extracted and compressed to get the desired product.
- There are different ways to compress the material which can make way for a variety of textures like snakeskin, alligator and cow even.
- Making mushroom leather requires minimal resources, does not harm any animals and is also biodegradable which meets all the economy standards—ethical, eco-friendly and basically sustainable.
- Other qualities of this fabric include its excellent durability, water-resistance and tenacity.

S. KEERTHANA
I M.Sc. CDF

AVANT-GARDE STYLE

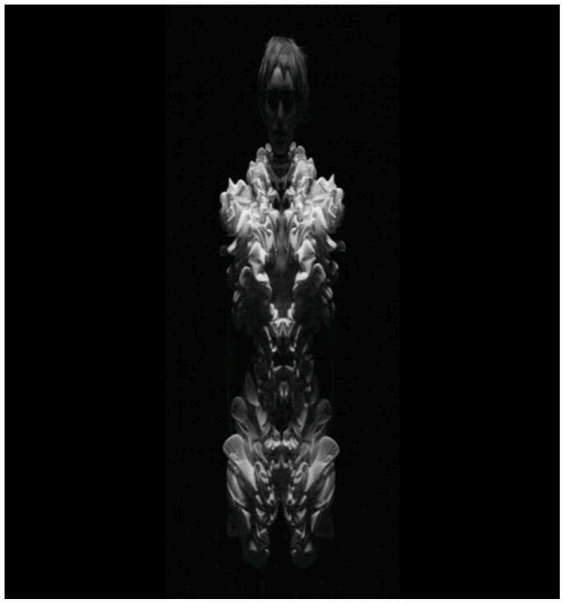
One of the most fruitful artistic movements, the avant-garde permeates all fields of expression, from art to music, to fashion, in a way that challenges established norms through continuous experimentation and reinvention. A good definition for avant-garde fashion is "a forward-looking movement animated by innovative designers and artists who dare to go against the mainstream and propose ideas that stand from the conventional". Avant-garde clothes reshape the human body and suggest new ways of relating it to its environment, through constant deconstruction and reinterpretation.

If you're interested in finding out more about the concept, have a look at our modern definition of avant-garde history and influences.

AVANT-GARDE VS HAUTE COUTURE

- One thing to remember is that, while avant-garde is definitely a norm-defying aesthetic, it is not to be confused with haute couture, which can break the rules as well as the limits of wearability.
- The difference between avant-garde and haute couture is evident from the name, as haute couture literally means high-end tailoring or dressmaking and is synonymous with expensive, often very intricate designs, produced by big fashion houses.
- Haute couture does not necessarily seek to go against the grain, but rather to create highly conceptualized or elaborate pieces – the exact opposite of pert-a-porter (ready-to-wear).
- Of course, designers also create haute couture pieces that take inspiration from the avant-garde, but these are also destined for runway shows or artistic performances.

- Ready-to-wear avant-garde is generally meant to be versatile and accessible, and it features bold, often masculine cuts, monochromatic palettes and a remarkable amount of layering.



WHAT TO LOOK FOR WHEN BUILDING AN AVANT-GARDE STYLE

Sporting avant-garde clothes takes courage and boldness, but that the process of manufacturing is complex. Take your time to discover which aspects of radical fashion interest you most and best fit your personal style. Let's have a look at some guiding principles you can follow to personalize your look, so that you can start challenging conventions with your style.

Courtesy: https://barbaraigongini.com/universe/blog/how-to-dress

P.C .MONIKA SRI
II B.Sc. CDF

K. ABARNAMBIKA

II B.Sc. CDF Vocational

UK RESEARCHERS DEVELOP ISOLATION GOWNS TO PROTECT NURSES FROM COVID-19

- A team led by professor Katherine Townsend, of the Nottingham School of Art & Design, is working in collaboration with Dr Sonja Starman from the University of Maribor, to redesign the isolation gown to be reusable while enhancing fit and protection.
- These gowns which protect nurses from viruses like COVID-19 could be safer, more comfortable and sustainable.
- The new gown prototypes are being sampled in a polyester and carbon textile specially developed in the UK, which has antiviral properties and can be washed in temperatures high enough to kill off all viruses and bacteria.
- This fabrication would allow for the gowns to be safely reused after washing, helping reduce the impact on the environment, as most existing isolation gowns are disposed of after a single use.
- The gown designs have been based on feedback given by healthcare workers who are treating people with COVID-19, including nursing staff from Nottingham University Hospitals NHS Trust and Deavere UK.
- A key development – based on user feedback – is the improved comfort for the wearer, to allow nurses to perform their roles with greater ease.
- "Nurses do such an important job by laying their own personal health on the line for their patients, so it's important that they're given the best equipment possible.
- Isolation gowns are not currently afforded the research and development that a typical uniform is, yet they're used every day to protect thousands of people on the frontline of healthcare.

- This is about moving forward to a higher level of design and fit, which is sustainable in terms of the environment and the suitability to the wearer," said professor Katherine Townsend from the Nottingham School of Art & Design.
- The designs - of which there are three prototypes – feature ribbed necklines for comfort, dropped and raglan sleeves for easier arm movements and deep cuffs with thumbholes which can be turned back to suit individual arm lengths.
- One design fastens at the back, similar to a traditional gown. Another fastens at the front left shoulder in a safe way to make putting on (donning) and taking off (doffing) easier, reducing the chance of cross-contamination.
- The third gown is zero-waste to maximise sustainability, Nottingham Trent University said in a press release.
- The gowns are being created in three different grouped sizes – Small, Medium and Large - to accommodate sizes XS - XXXL, making them more appropriate for individuals, as existing gowns are generally one-size-fits-all.
- Our designs are in response to COVID-19 and beyond - they are intended to support health workers who are treating people in any acute care context.
- Most nurses told us that while existing PPE makes them feel protected, it can often be uncomfortable to wear, due to poor fit and fabric quality, which were the common problems presented to us," professor Townsend added.
- In addition to Dr Starman, a uniform and corporate wear specialist, the team includes pattern cutting designers Eloise Salter and Karen Harrigan from the Fashion department at NTU.
- The researchers are working with a private sector PPE provider with the next stage of the project involving wearer trials with nurses at UK hospitals.

- They are keen to gain further feedback from nurses across the UK about the gowns they are wearing, their experiences and preferences.

Courtesy: https://www.technicaltextile.net

K. THIVESH KUMAR
III. B.Sc. CDF

ORIGAMI FASHION

- Origami is an art culture with over a thousand years of history.
- It is the art of folding any type of materials to create sculptural designs.
- The ultimate goal of this art is to create three dimensional sculptural forms into through folding and sculpting techniques.
- When people heard of origami fashion, they may think that the garment is made by folding without any cutting or stitching.
- However, origami fashion also refers to the fashion inspired by origami ideas such as quilting and pleating.
- Contemporary fashion designers have been always inspired by origami ideas and its sculptural forms; they realize that Origami art is a valuable opportunity to explore very futuristic interesting ideas in fashion design.
- The origami art is the main idea to implement the 3D Geometric Dresses, so this research is focused on how we can benefit from the incorporation of origami art as three-dimensional sculptural forms into the garment's designs, and how we can use origami techniques in Computer software to

create Futuristic Geometric fashion collections, while still maintaining the functional and beauty purpose of the designs.

ORANGE FIBRE

- Fit for an Italian luxury brand, the Orange Fibre by Salvatore Ferragamo makes use of orange peel to create new and innovative sustainable fabrics.

- There are as many as 700,000 tons of orange peels discarded in Italy every year after draining the orange juice. Instead of these materials being dumped on the earth, it is transformed into soft and silky fabric.

- It can also be blended with cotton and silk.

- They give fashion labels the perfect ingredient for their collections, a high-quality tool that can be used individually or fused to create unique collections with other sustainable materials.

M.KAVIPRIYA

I M.Sc. CDF

TIKTOK THINKS 2010S STYLE IS COMING BACK

- If a trend goes out of style, it's only a matter of time before it's back.
- Right now, it's all about the 2000s, including a resurgence of Juicy Couture sweats and low-rise jeans.
- But according to TikTok, the next big fad in fashion is going to be all about the ensuing decade: The 2010s. Yes, this was only 10 years ago, but fashion fans on the app are predicting that the era's peplums, statement necklaces, and extra-wide belts are about to have a comeback.
- The ideology is: Are you ready for the idea which TikTokers have proposed this fashion idea.
- Hali Brown-Onigbanjo of Next wearer has made dissecting 2010s fashion a focus of her page, and she believes its return is imminent.
- "As someone who is young enough to be a regular TikTok user, but old enough to have been a teenage Tumblr user in the

2010s, it's crazy to see how quickly things are making a comeback," she tells Vogue.

- "The next generation of teens are already starting to wear creepers, and are romanticizing soft and pastel grunge on TikTok."
- She also predicts that asymmetric skirts, striped shirts, and feathered hair extensions a favourite of 2010s stars like Keha—will come back, too. (Addison Rae has already worn some hair feathers, for what it's worth.)
- Brown-Onabanjo adds that the 2010s had a more playful attitude towards dressing, and she understands why Gen Z is embracing it. "Early 2010 fashion had a focus on DIY fashion, with items such as flower crowns and fringed shirts," she says.
- "Even though we're in an era of short trend cycles, people are again focusing more on Dying and personal style."
- Take Mandy Lee, a trend forecaster goes by @oldlooserinbrooklyn, who made a TikTok hypothesizing how 2010s pieces will be modernized, including disco pants and Jeffrey Campbell Lita- style platforms.

S.JEEVA RATCHIKA

I M.Sc. CDF

WHEAT STRAW PLASTIC

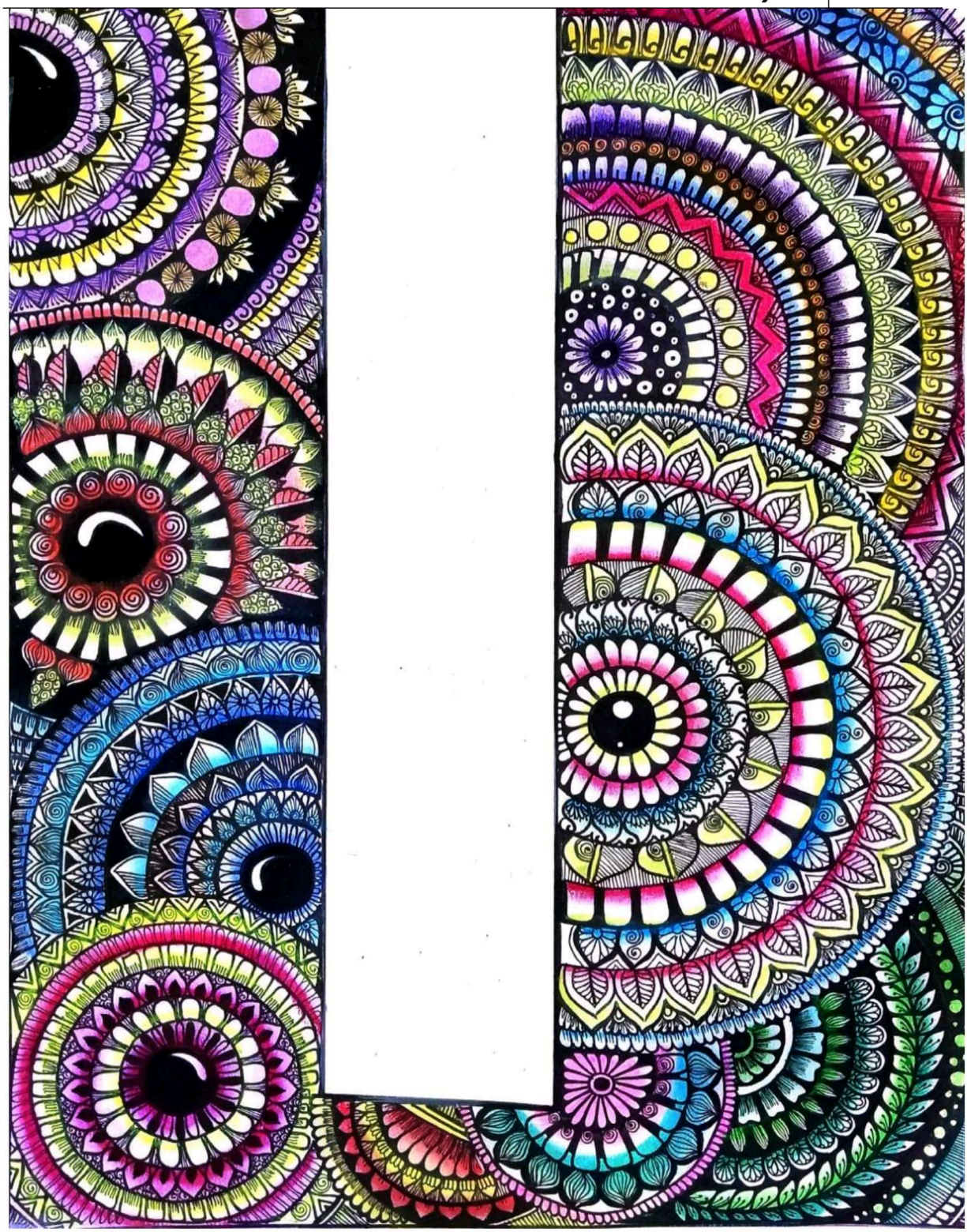
Wheat is a type of grain that is used to make flour, bread and wheat derived products like pasta. Straw is the by product that is left over after the wheat harvest, and by using it to make a plastic like substance, it is an ideal zero waste option. Wheat straw contains cellulose and by breaking it down, a new product can be created. Natural polymers are found in our bodies, like hair and nails. Plastic is made from artificial polymers, but polymers created from wheat straw, are completely natural.

HOW IS WHEAT STRAW PLASTIC MADE?

Straw, which is the by-product of the wheat harvest, contains lignin. Lignin is the part of the plant that keeps it standing up. So it is similar to a tree trunk, but for smaller plants. Lignin, when combined with sugar, can be turned into a bio-plastic. First the lignin needs to be broken down to be able to make the plastic like material. Lignin is broken down by bacteria called Rhodococcus jostii, which is found in soil. The bacteria can produce acid, which easily breaks down the lignin without the use of any artificially produced products, which is far better for the environment.Once the lignin has been broken down, it is mixed with sugar to form a plastic-like substance. This is then melded into forms like plates, cups and storage containers.Wheat straw is also used to create a paper like substance that is used to make products. With the addition of certain chemicals, the straw is turned into a pulp, and the pulp is then pressed into a plate. It is strong, non-allergenic and does not contain any gluten. This process is not limited to wheat straw only, other agricultural waste productslike grass, leaves and even wood, can also be used, thereby producing an all natural plastic.

RENUGA DEVI

I B.Sc. CDF



S .PARVADHA VARDINI

II B.Sc. CDF

HANDLOOM IS THE FUTURE

The future for the Indian handloom, right now, seems glorious as the upcoming generation believes in the relevance of the organic rather than racing with the fast fashion and global trends. Social media has and continues to play an important role in creating awareness about handlooms. The new found love for handloom among youngsters. Youngsters begin to know about the advantages and importance of using handloom clothes.

Go back to past process going on. Fashion is the “tail end" of the work that handlooms have achieved or need to achieve, says designer Ritu Kumar. And so, Designers like Bappaditya and Rumi Biswas of bai lou or Rta Kapur Chishti of Taanbaan—to give just two names—have strong handloom viewpoints too, but we have focused here on those who show at fashion weeks. This is not the ultimate directory, only a representative idea of designer work.

Handloom is the representation of the skills and artistry of the craftsmen which they have earned over the past many years. While awakening handloom has become the need of the hour, modernising and reinventing it has helped in reinstating its glory.

The idea of these contemporary creations by using traditional handlooms instils hope in us for a bright future of handlooms. We are entering a phase where the handwoven commodity is being appreciated by discerning clients. We should move away from the initial Gandhian ideal of spinning at low cost and treat artisanship of the loom as a luxury commodity today.

Due to the widely perceived need to check greenhouse gas emissions, the case for handloom cloth is becoming stronger by the day. If handloom cloth can be linked closely to organic cultivation of non-GM cotton, its strength as eco-friendly cloth can become much stronger.This is going to be a big asset in the days to come.

Courtesy:
https://www.newindianexpress.com/magazine/2020/nov/01/the-future-is-handloom-meet-the-custodians-of-timeles

S.V. DEEPTHI

II B.Sc. CDF

THE 6 FASHION-FORWARD COLOUR TRENDS OF SPRING 2022

- Spring 2022 will introduce our wardrobes to some of the dreamiest, wearable colours yet, and we can't wait to try them on and choose a favourite.

- These hues were so prominent on the runways from New York to Paris, we hardly had to deliberate over the six big winners.

- Ahead, feast your eyes on soft lilac, which is surprisingly sleek and offers a new perspective on purple; sunny canary yellow;

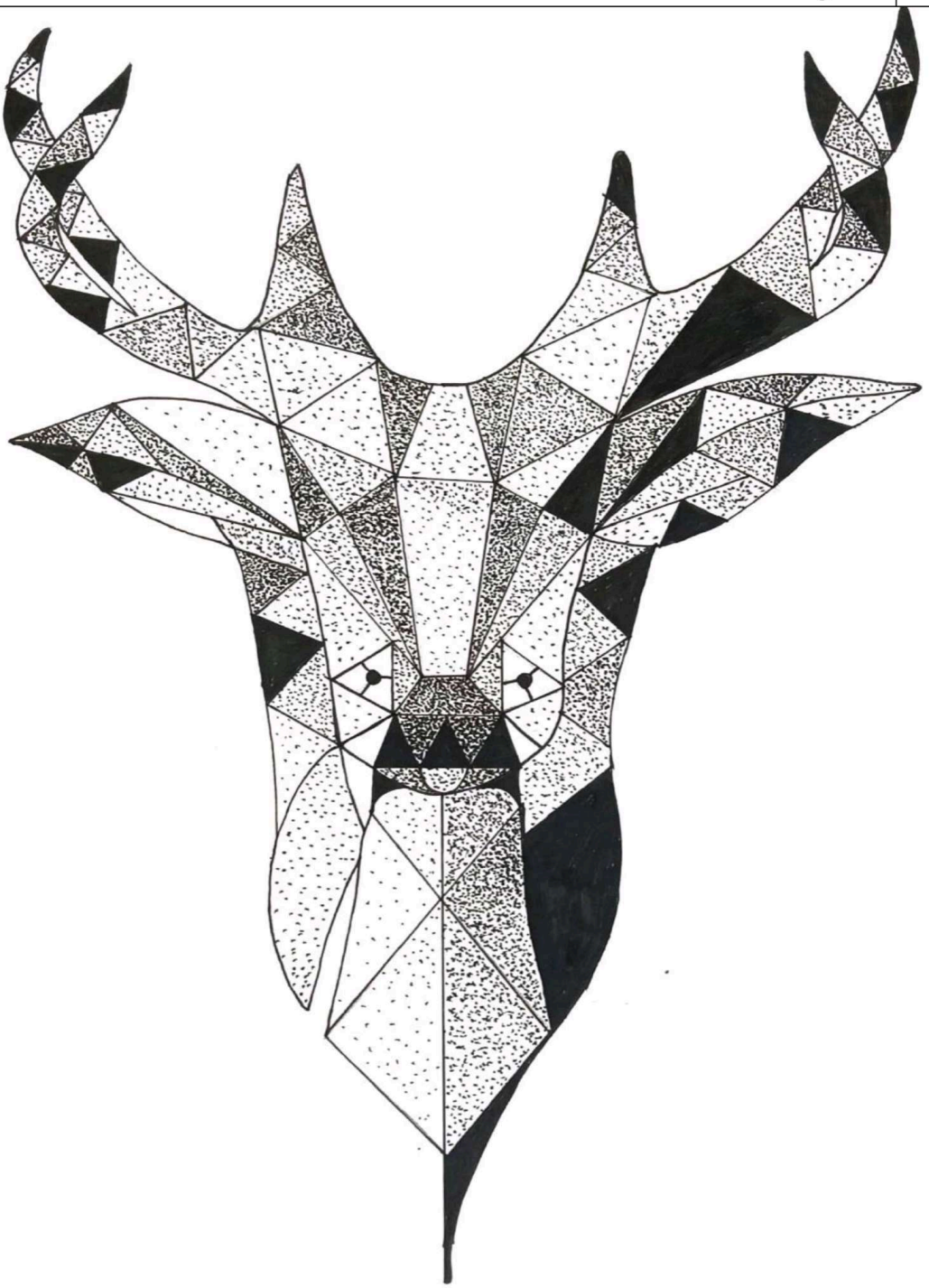
- Moody hot pink; salted caramel; electrifying scarlet; and a mystifying sky blue,

- Either scroll through our favourite instances of these colour moments one by one, or jump ahead to the shade you want to explore right away.

  - Soft Lilac.
  - Canary Yellow.
  - Hot Pink.
  - Salted Caramel.
  - Scarlet.
  - Sky Blue
  - Emerald Green
  - Buttery White

V.MONIKA SHRI

I M.Sc. CDF



K. DHARANI PRIYA

I B.Sc. CDF Vocational

ANILINE (TYPE OF LEATHER FINISH)

Aniline leather is a type of leather coloured exclusively with soluble dyes. The dye adorns the leather without producing the uniform surface of a topcoat paint or insoluble pigmented sealant. One of the easy ways to distinguish aniline leather is to check the hide's natural characteristics, such as wrinkles and lines, irregularities in the grain structure and variations of scratches and cuts. Aniline leathers are the pinnacle of luxury, so make sure you get the quality you deserve.

OMBREE FABRIC :

Ombre, also known as dip dyeing, color bleeding, or gradated dyeing, is an effect usually achieved by hand dipping fabric in dye so that it gradually goes from light to dark, or sometimes from one color to another. On high-end garments it lends itself well to flowing silks and other fine fabrics and has even been described as "ethereal"! On the low-end garments, we think a lot of them have perhaps been printed, airbrushed or somehow had the dye applied by direct application to simulate the more time consuming Ombre technique.

Silk painters have tried blending progressive colors with brushes, but it is time consuming and never quite looks the same. Professional tie dyers have achieved somewhat of an Ombre look by pre-soaking a garment in Sod Ash and applying successively stronger solutions of color from top of bottom garment. But true Ombre is a laboriously hand dipped wonder with subtle gradations from top to bottom.

C.S. PRIYA DHARSHINI
I M.Sc. CDF

SMART KNITWEAR AND ITS TREND IN FASHION

This is perhaps the best collection in trend, and the most effective way of transforming your formal attire. Simply swap your shirt for a fine gauge knit – whether that be a crew neck, roll neck or Breton stripe. This immediately helps to strip away the business-like connotations of the suit, and gives off a contemporary look and feel that simply can't be achieved with a shirt and tie.

Knitwear garments are one of the most famous rising style patterns in Fashion. In the current situation of attire industry knitwear are sought after because of its multifaceted properties like solidness, stretch-capacity, colourfastness, simple consideration and so on. Because of the adaptable idea of weaves, they are exceptionally used in ladies' wear, kids wear, prepared to wear, sportswear, undergarments and winter wear garments. As indicated by various assembling strategies, numerous assortments of weaved textures and pieces of clothing are planned and made which has exceptionally high acknowledgment in the most stylish trend patterns. Economically weaves were presented in fifteenth century, yet in the event that we think about the current present day knitwear style pattern, it isn't just a texture or article of clothing it is more than that. From high fashion to mass market by and by there is heaps of advancement with uniqueness in knitwear. Fashion Designers, Architects, engineers, merchandisers, scientists and specialists are continually presenting imaginative knitwear style patterns as keen knitwear.

Courtesy: https://www.researchgate.net

K. MOHAMMAD IDREES

III B.Sc. CDF Vocational

AGROLOOP BIOFIBRE

Agroloop BioFibre is a sustainable fabric created by Circular Systems. This BioFibre is made from crop residue commonly obtained from the farming of sugarcane, bananas, pineapples, flax, and hemp.

With this system, all the waste is turned into a new product instead of being left to rot. This decreases the amount of methane that pollutes the atmosphere, making this textile-grade qualify as a new and innovative sustainable fabrics.

ECONYL

Econyl is an acronym for Eco Nylon. This is a recycled fabric that makes use of synthetic waste, including fishing nets and industrial plastics. Instead of dumping them in our environment, the Italian firm Aquafil recycles and regenerates them into Eco Nylon that is similar in quality to the real nylon.

The best part of this process is that it uses less water while creating less waste than the traditional methods of producing nylon.

Its practical concept makes it one of the new and innovative sustainable fabrics for 2022.

R.RATHIYA
I M.Sc. CDF

NEEDLE -FREE SEWING

No sewing, no seams, no stitches. That's seamless. A specific knitting technology that uses specialized circular looms to develop garments that adapt perfectly to the body, making people forget that they are actually wearing them. By eliminating the fabric cutting and sewing process, there is an optimization of the production process making seamless production a lot faster than conventional. There is also a fewer product failures since most errors, since most of the garment failures are due to seam failure, which translated in better quality pieces.

By eliminating the cutting and sewing processes, complete garment knitting provides a variety of ad-vantages in knitting production such as savings in cost and time, higher productivity, quick response production and other advantages.

Courtesy: https:// www.fibre2fashion.com

S.POOJA

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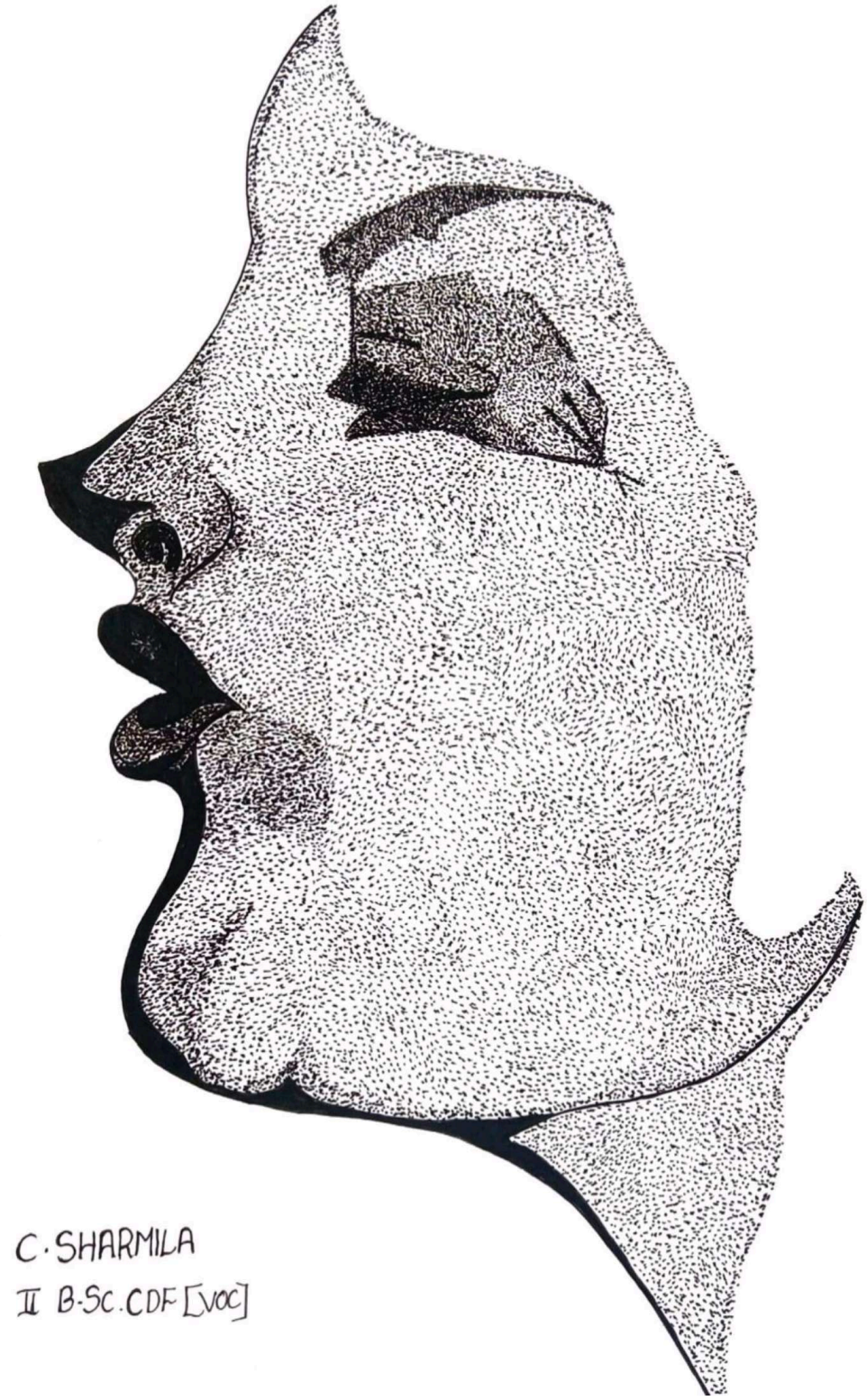

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KONGU ARTS AND SCIENCE COLLEGE

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