

**INTELLECTUAL
PROPERTY
RIGHTS
CELL
2017**



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Acknowledgement :

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NATIONAL INSTITUTE OF DESIGN

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Director's Message

The National Institute of Design (NID) is an educational institute that explores opportunities and possibilities for bringing in change through innovation in existing design practices. Innovation is a strategic, systemic, and technological lever for developing agile innovation cultures and global industry eco-systems. Innovation can revolutionise the industry through visionary changes, business transformation, management profitability, and overall sustainability.

Intellectual Property needs adequate protection taking into consideration aspects such as scope for high paying jobs, promoting economic growth and competitiveness, assuring the consumers and families about the product quality, generating breakthrough solutions to global challenges, encouraging innovation, and rewarding entrepreneurs.

The Intellectual Property Rights Cell was established at NID with the prompt vision of harnessing and spreading the power of human creativity. It has become globally evident that the competitiveness of any enterprise depends on its ability to innovate with respect to its products, services, and systems and to distinguish itself in terms of its competitors in the market. Design has become a significant differentiator and a source of value addition in the market place. Innovation through design involves heavy investments of time and money in research and development.

This initiative by the institute will develop confidence in students along with self-assurance, belief, and the ability to come up with creative ideas and encourage them to collaborate and affect the desired changes in the world around them.

Pradyumna Vyas

Director
National Institute of Design

Foreword

Since 2015, the National Institute of Design (NID) has become one of the leading educational institutes in the country which has the maximum number of design registrations. This success can be attributed to increased awareness about Intellectual Property Rights (IPR) among our faculty members and design students. Recently, we also initiated the process of conducting prior-art search for students' projects across the NID Ahmedabad, NID Gandhinagar, and NID Bengaluru campuses. The regular flow of applications from all the disciplines was encouraging as well as promising.

Intellectual Property plays a significant role in the economic growth and development of a nation. Institutes such as MIT and Stanford University demonstrate how IPR could be leveraged to generate income for university set-ups and for funding research programmes. The acquisition and management of IPR are critical aspects for all the innovations that have a potential to offer high market value and competitiveness.

By merging the Intellectual Property Rights Cell of NID with the National Design Business Incubator (NDBI), our intention is to persuade young designers with innovative ideas to build large commercially viable ventures. Intellectual Property is one of the important assets for any start-up when it wants to raise seed funds. It is one of the major aspects that investors would consider in a start-up. We hope this merger may shift the existing mindset; of young designers and promote entrepreneurial attitude at an institutional level.

I am delighted to present the first catalogue published by the Intellectual Property Rights Cell at NID. This catalogue features products designed by students from NID; these products have been officially registered under the Intellectual Property Rights framework. I hope that this initiative would encourage all students to actively focus on understanding the importance of generating Intellectual Property.

Dr. Vikram Singh Parmar

Head, Intellectual Property Rights Cell
National Institute of Design

PRODUCT DESIGN



Product Design

Water Purifier (Matku)

This product fuses tradition and technology. It is a combination of an earthen clay pot with Silver Nano technology which helps to produce cold filtered water. This product enhances the taste of water which is otherwise diluted during the filtration process; therefore, the user is able to get the same experience of consuming water that is traditionally stored in an earthen pot. The product has

a circular structure which gives it better stability and flexible adaptability.



Design Registration No. 280419

Designer
Bacchu Surya Teja

Faculty
Shashank Mehta

Discipline
Product Design



Product Design

Trolley for collecting waste

While sweeping the streets daily, the safai kaamdar has to collect animal excreta, ceramic wastes, glass pieces and other waste products which are finally taken to the community bin. This trolley is conceptualised in such a way that the safai kaamdar need not touch the waste while sweeping streets. As the trolley moves, the front flap with a brush rotates

and helps to collect the waste lying on the street. This process is similar to how waste is collected in the dustpan after the space has been swept with a broom.



Design Registration No. 272852

Designer
Shivani Chakrachattri

Faculty
Praveen Nahar

Discipline
Product Design



Product Design

Torch

This product is meant for everyday use and has a cylindrical shape. The unique design of this product takes cognizance of the fact that torches designed in the past had constraints of battery shape. Holding such torches would make it difficult to open locks or look for the contents within a box in the dark. This was the problem that has been addressed through the innovative

design of this torch. This new design enables a strong and effortless grip while performing any task. In usual situations, the palm begins to ache after holding the torch for a long time. This product has a solution for this problem too. Here the torch will hang on to user's hand thus reducing effort to hold it. HDPE plastic has been used to make this product.



Design Registration No. 272853

Designer

Shivani Chakrachattri

Faculty

Praveen Nahar

Discipline

Product Design



Product Design

Induction Stove

Salient features of the product:

1. The LEDs under the cookware change their brightness with the changing power of the induction.
2. There is an arrangement of different concentric coils unlike the existing designs with a single coil arrangement. This arrangement makes the coil more power efficient.
3. This product has an integrated weight scale. This provides the user the freedom to check the weight of cookware even during the cooking process.



Design Registration No. 281843

4. The air vents of the appliance are designed in such a manner so as to prevent all possibility of water seeping inside when the appliance is kept upright.
5. The noise produced by the appliance has been minimised by using a silent cooking fan.
6. The product has a circular structure so that lesser space is utilised on a kitchen platform.
7. It saves manufacturing costs as it utilises less material.



Designer
Ramanuj Nanhoriya

Faculty
Shashank Mehta

Discipline
Product Design



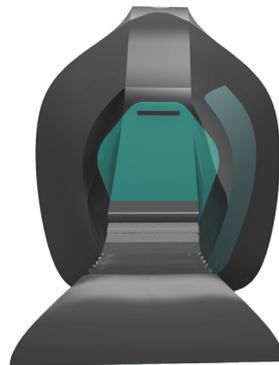
Product Design

Vaccum Cleaner

The product is an alternative to existing vacuum cleaners. It is more adaptable to use among Indian users. It has features such as transparency, handling, and dust filter removal; this makes the vacuum cleaner easy to operate. This product was made using vacuum forming and the other model was made using MDF sheets. A unique aspect of this product

is its transparent dust collector, filter removal mechanism, facility for horizontal and vertical handling, and an antenna-like attachment.

This product has better ergonomics and addresses problems in the existing design of regularly-available vacuum cleaners.



Design Registration No. 291579

Designer

Aditya Patil

Faculty

Shashank Mehta

Discipline

Product Design



Product Design

Shoe Rack

This shoe rack helps to encourage the habit of arranging footwear in an organised manner among children. This product is also a space saver and can be placed in any corner of the room. It would also prevent children from cluttering the space on the shoe mat by carelessly leaving footwear on it.

Its expressive designs will greatly appeal to

children and they would certainly prefer to use it.



Design Registration No. 290624

Designer

Nileena Rajan

Faculty

Dr. Ranjit Konkar

Discipline

Product Design



Product Design

Laptop Stand

This product is used to help users place their laptop computer comfortably even when they happen to adopt body postures which make it difficult for the users to support such a computer on their lap. This stand has a unique C-shaped structure. This product is unique because the users can easily move out without lifting the stand fully; hence, they would no

longer feel trapped. The stand is portable as it can be fully folded and packed into a small box and carried along.



Design Registration No. 283471

Designer
Aditya Vijay Patil

Faculty
Dr. Ranjit Konkar

Discipline
Product Design



Product Design

Jam Spoon

This spoon is designed in such a way that it can scoop out jam from within conventional jars in an efficient way without any wastage. It will also help in better application of the jam on food. The product combines the two functions of the spoon and knife that are used while consuming jam with bread or other items. It often happens that some portions of jam get left behind in the jar due to its unreachable corners. This leads to the situation where the users get their hands

messy while trying to scoop out this portion of jam, and in the process, make the dining table untidy. All of this is solved by precise details in the design of this spoon. It can be used as a normal spoon when the jar is full and also as a scraper when the jar is almost empty. The groove enables it to be placed on the edge of the jar's mouth in between usage. The ergonomic handle offers comfort and grip to the users.



Design Registration No. 290417

Designer

Palash Ghawde

Faculty

Dr. Ranjit Konkar

Discipline

Product Design



Product Design

Braille Slate

Students with visual impairments read all their subjects in school through the medium of Braille text. This newly-designed Braille slate can replace the current slates which they have been using. This product uses a plunger mechanism to bring rods up and down alternatively at each push of the stylus. Mistakes can be rectified by pushing the rods once again. Students can touch the rods and read while they are writing. A unique aspect of this

product is that it enables the students to write non-mirrored letters and sentences from left to right. Students can work on the slate without using paper and can later obtain the impression on paper if required.



Design Registration No. 289858

Designer
Akshay

Faculty
Dr. Vikram Singh Parmar

Discipline
Product Design



Product Design

Neonatal Transportation Device

This product will revolutionise neonatal care. It adopts a completely new approach to transporting a critically ill neonate. This product will protect the neonate from infections and exposure to external elements. A heated coil is placed below the neonate's bed. The bed has a mattress placed over hexagonal cut outs that allows the heat to pass through to the neonate, thus keeping it warm. The bed will also provide back support. The top lid can be closed at two levels can be adjusted according to the neonate's needs. When the lid is removed, the side walls can

collapse completely using a knob and channel system allowing the doctor to access the neonate from all directions. This product is extremely lightweight and can be easily lifted by one person. It has a built-in battery which can run for approximately four hours while moving in an ambulance or during power cuts.

It can also be placed on a regular trolley which has to be rapidly transported within the hospital. This product will reduce expenses on neonatal care as it uses minimal medical equipment. The cost of sterilisation will also get reduced.



Design Registration No. 289841

Designer

Aboli Joshi & Gaurika Singhal

Faculty

Dr. Vikram Singh Parmar

Discipline

Product Design



Product Design

Water Purifier

This product utilises the resin exchange technology to treat 60 litres of RO reject water. This technology reduces the total hardness level of the water and makes it suitable for non-consumption tasks such as cleaning, mopping, gardening, laundry, and several others. These tasks almost utilise 60% of our daily water consumption. A unique aspect of this product is a rechargeable battery-operated

system which uses ultrasonic sensors to check water levels and keep track of resin usage. If the water level exceeds 60 litres, an alarm goes off simultaneously making the side LED indicator strip turn red. This product can be roto moulded using recycled cloudy plastic and this helps to reduce manufacturing costs. The waste outlet in this product is attached to the inlet hole on the handle lid.



Design Registration No. 290077

Designer

Jayneel Shah

Faculty

Dr. Vikram Singh Parmar

Discipline

Product Design



Product Design

Bag with Wheels

This product is designed to enhance the experience of effortless travel and provide comfort and ease to the users while carrying heavy suitcases over staircases and flat pathways. This product rolls effortlessly on stairs. It is not a complex product. It is easy to balance the weight and the users have the choice of using both the units or just one of them.

Since the actual packaging volume does not roll along with the wheels, the luggage inside remains stable.



Design Registration No. 278816

Designer

Bhanvee Gupta & Sarvisha

Faculty

Dr. Vikram Singh Parmar

Discipline

Product Design



Product Design

Tea Maker

This product is a portable tea-maker that allows the users to prepare tea in it and drink it from the cup that also doubles as a lid. The users can also store and dispense the ingredients as required and will be able to prepare tea while on the move. The storage and dispensing unit consists of a three-layered rotating mechanism. The lower part heats the water to the optimum temperature after which the user can start adding the ingredients as required.

As soon as the tea is prepared, the device makes a beeping sound. The unique aspect of this product is that it stores and dispenses the ingredients required to make tea. This product has different modes to prepare different kinds of tea and customizes the temperature and time to the users' preferences. This product has an additional cleaning mode, making the process hassle free.



Design Registration No. 289856

Designer

Aparajita Tiwari

Faculty

Dr. Vikram Singh Parmar

Discipline

Product Design



Product Design

Fire Extinguisher

The unique aspects of this product are:

1. Single-instruction operation for improved usability through trigger button.
2. Refillable and refitted components designed for reuse and subscription service model.
3. Bent and angled operational mode of the extinguisher to direct the water mist at source of fire.



Design Registration No. 289567

Techniques applied in making this product:

1. Outer body is injection-moulded in PP/ABS.
2. Water container is injection-moulded in PP.
3. Internal tubing extruded from PP/PVC.
4. Metal container and hammer cast in steel.
5. Venturi Nozzle injection-moulded in ABS.
6. Wall mounting provision fabricated in steel with snap-fit.
7. Trigger button body and components bent and cut from steel sheet.



Designer

Sailee Adhao

Faculty

Dr. Vikram Singh Parmar

Discipline

Product Design



Product Design

Signing Aid for people with **Parkinson's** disease

This product is a stabilising pen that can reduce the impact of tremors while writing with hands in people affected with Parkinson's disease.

This product uses manual gyroscopic stabilisation in a compact writing instrument.

Those affected with this disease can use this pen to write and draw in a more legible

and quick manner.



Design Registration No. 291834

Designer

Ashwathy C.S

Faculty

Dr. Vikram Singh Parmar

Discipline

Product Design



Product Design

Wheel Chair

Vertical in its design, this wheelchair can be used for conveyance without any assistance. This economically priced product provides mobility-aids to the users.

The unique aspects of the product are:

1. Height adjustability for independent transfer to various surfaces.

2. Allows for direct transfer from the ground without assistance.

3. Lever mechanisms for efficient propulsion in indoor and outdoor scenarios.



Design Registration No. 289842

Designer

Deergha Joshi & Atin Bose

Faculty

Dr. Vikram Singh Parmar

Discipline

Product Design



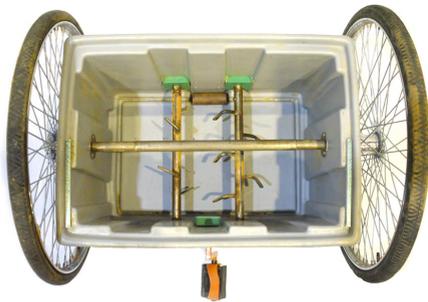
Product Design

Device for making Compost

This device utilises human excreta as a resource and converts it into compost which can then be safely mixed with the soil and help plants and crops grow. The device can be used in rural and semi-urban areas. The device is attached under a raised toilet structure so that human excreta gets collected in it. Two standard cycle wheels have been used with ball bearings attached to one wheel. The wheels help in transportation and also help in maintaining the balance of the

container; the bearings help in smooth turning; the central shaft is used as a pivot to turn the container in order to empty the compost.

This product provides an end-to-end solution for dealing with human excreta - right from collection, treatment, conversion to compost, and to effective emptying without making its contents visible to the user. The use of this product will help convince people that human excreta is not waste but a resource.



Design Registration No. 286447

Designer
Harshika Jain

Faculty
Dr. Vikram Singh Parmar

Discipline
Product Design



Product Design

Nail-Gun

A nail gun is a mechanical device which is powered by electricity, or compressed air, or fuel.

This newly-designed product here highly increases work speed, accuracy, and efficiency. It lacks a safety switch, so the equipment is always ready to fire. As there is no motor inside, it incurs very low maintenance costs.

It is not powered by a battery or electricity or a fuel cell. So, it is comparatively cheaper than other nail guns.

This product helps to get work done faster resulting in higher production. It also saves time and labour while lending more precision and accuracy to the work.



Design Registration No. 249321

Designer

Ratul Bhowmik

Registered Under

National Institute of Design

Discipline

Product Design



Product Design

Plier

This multipurpose product comprises six tools: a Phillips Head Screwdriver, a flat-head screw driver, a torch, a knife, pliers, and a magnifying glass.

The structure of this product is inspired by the shape of a viperfish. The body is designed in a fold away pattern which enables it to compress in size when not in use. It is great for the outdoor use.

The unique aspect of this product is that it resembles the form of the viperfish when it is both shut and open. It is a good collection of tools assembled into one unit.

This helps the kit to remain compact and highly useful. It has a lightweight aluminium body and is foldable. It is ideal for outdoor and industrial use.



Design Registration No. 246900



Designer

Vistasp Manekchaw

Registered Under

National Institute of Design

Discipline

Product Design



Product Design

Key board

This smart board keyboard includes elements of both physical and cognitive ergonomics. This keyboard also has beautiful themes and layout and it does not look like an ordinary keyboard. It has an elegant and lightweight design. The curved structure gives comfort to long-time users. A downward tilt of 8 degrees minimises musculoskeletal discomfort. LED light strips on the sides of the keyboard indicate

when the users need to take a break from typing so that they can avoid wrist discomfort. Timely breaks are the most efficient way to avoid stress on the wrist. There is also a 1.5 inch-palm rest. This product maintains a close and comfortable distance between the users and the computer mouse; this arrangement helps to eliminate possible muscle stress in the users.



Design Registration No. 248409

Designer

Neha Motghare

Registered Under

National Institute of Design

Discipline

Product Design



Product Design

Violin

This is a new-generation electric violin. The structure of this product is inspired by the shape of the dragonfly's tail. This product has an organic look. It is innovative and has lightweight design.



Design Registration No. 248408



Designer

Neha Motghare

Registered Under

National Institute of Design

Discipline

Product Design



Product Design

Lamp

This product is a solar-powered LED lamp made using a coconut shell. This product can remain functional for two years. It uses a 2.4V 1200mAh battery which is charged by a solar panel. The solar panel works as a steady base when the lamp is being used. The LED used here runs at 3.5V and can be drawn constantly at 70mAh (approximately). The controller in this product has an over and under voltage protection for prolonging battery life. This lamp can be used continuously for around 4 hours. This lamp has an indicator which turns red when it is exposed to any

source of light. The unique feature of this lamp is that it does not produce carbon dioxide unlike kerosene lamps. No manual or installation guide is required. An easy-to-push On/Off switch makes it all the more convenient for people to use. Plastic has not been used to create any part of this product. It is capsulated in a coconut shell. It is an eco-friendly lighting solution for rural India. It has minimum carbon footprint as no plastic casing is used; this also reduces costs and makes it a worthy competitor of kerosene lamps.



Design Registration No. 259688

Designer

Ankan Sengupta

Registered Under

National Institute of Design

Discipline

Product Design

TEXTILE DESIGN



Textile Design

Jute Project

These products are outcomes of a joint project between the National Institute of Design and the National Jute Board.

These multipurpose shopping bags are eco-friendly and are 100% biodegradable. They occupy less space with regard to storage.

These bags have a sturdy base which will avoid the bags from toppling over when

they are filled with items. These bags were designed with the aim of supporting and encouraging the use of jute-based products.



Design Registration No. 284351



Design Registration No. 284350

National Institute of Design & National Jute Board

Project By
P.B. Jhala



Textile Fabric

This product can be used as a space divider screen under open spaces.

The product has a surface that looks natural and is subtle, sheer, translucent, reversible, and washable. Different techniques which were explored during the process of designing this fabric include: pigment print, brasso print, flock print, rubber print, and layering.

The technique that was applied to the final design was screen printing with brasso effect. It is also known as Devoré printing technique in which cotton content of the fabric is burnt out allowing polyester to stay on; this gives the fabric its transparent and sheer look.



Design Registration No. 288827

Designer

Mansi Bhuttan

Faculty

Aarti Srivastava

Discipline

Textile Design

**CERAMIC &
GLASS
DESIGN**



Ceramic & Glass Design

Vessel for Barbeque

This product falls into the category of ceramic cookware and it fulfills the need for domestic applications.

This is a perfect container for grilling. It has a sustainable design and is convenient for outdoor use.

The unique features of this product are:

1. High-temperature resistance
2. Corrosion resistance
3. Helps in direct heat cooking
4. Ease in cleaning and maintenance
5. Portable



Design Registration No. 278775

Designer

Kriti Malhotra

Faculty

Neelima Hasija

Discipline

Ceramic & Glass Design



Ceramic & Glass Design

Vegetable & Fruit Container

This is a storage container that keeps vegetables and fruits cool in order to prevent them from damage. The design of the container is inspired by the pot-in-pot refrigerator which uses the simple technique of evaporative cooling. The container can store a six-day supply of vegetables and fruits for a family comprising 3–4 members. This product aims to reduce the consumption of electrical energy. Terracotta, which is used

to make this container, has the property of porosity and breathability.

When vegetables with high rate of ethane gas emission is stored with other vegetables or fruits, the latter tend to decay faster; hence, another purpose of designing this product was to help people store vegetables and fruits in the right manner.



Design Registration No. 291193

Designer

Annu Mathew

Faculty

Swagata Naidu

Discipline

Ceramic & Glass Design



Terracotta Jewellery Set

This jewellery set is fully handmade and has terracotta as its key element. One can wear this jewellery pieces after spraying perfume on them and because terracotta is porous, the smell will get vapourised in some time. These products are handmade and the only tools used were a knife and a wooden scale. The bright colour of terracotta is majorly visible in all these pieces and in some of

them a white-colored engobe (a non-glazed slip) was applied before firing in order to give the jewellery set an attractive whitish effect. The engobe was fired at 900°C making the fired terracotta pieces more durable and strong. Different techniques such as clay coiling, beating, and painting were used to create these jewellery items.



Design Registration No. 271533



Design Registration No. 271534

Designer
Renesa Guha

Faculty
Neelima Hasija

Discipline
Ceramic & Glass Design



Terracotta Bottle

This bottle can be easily carried around and used to drink purified, hygienic, and cool water. It can approximately carry 1 litre of water. It was commonly observed that people working in scorching heat all day during summers have to drink water stored in plastic bottles in order to quench their thirst. Water stored in plastic bottles tends to get warm and unhygienic; also, it is unhealthy to drink such water. Terracotta is porous and acts as a cooling agent; it has medicinal values and is eco-friendly.



Design Registration No. 276924

Terracotta pots have been used since ages to store drinking water. This was the idea behind making a drinking water container that will cool the water within and can also be carried easily. Matters concerning the required weight of terracotta that will be used in this product and also its brittleness were taken into consideration while designing this bottle. Also, the mechanism for the lid was specially designed to avoid spillage of water through the mouth when the user consumes water stored in this bottle.



Designer

Manoj Pilli

Faculty

Neelima Hasija

Discipline

Ceramic & Glass Design



Ceramic & Glass Design

Furnace for Making Beads

This product is specially made for craftspersons and artists practising glass art. This is a low-cost, fuel-efficient product. The salient feature of this furnace is that it has wheels and it is mounted on a track. This increases work efficiency as the design helps rotate the furnace thus helping with the process of coiling beads. The facility of rotation also encourages the use of variously-coloured glass from different pots while the craftsperson sits in one place. It is designed

in such a manner that craftspersons can work on a small setup individually or in a group of two or three. Its shutters can be closed when the furnace is not in use. This helps to save fuel and energy.



Design Registration No. 276925



Designer
Manoj Pilli

Faculty
Neelima Hasija

Discipline
Ceramic & Glass Design

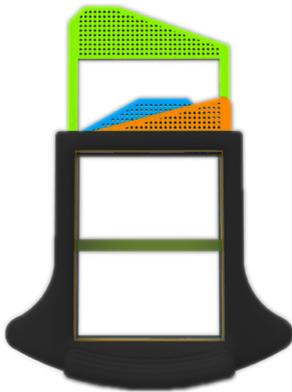


Ceramic & Glass Design

Holder for Glass Painting

Through this product, a contemporary material such as glass is introduced to children with the aim of making them aware of its wonderful characteristics and strengths through the activity of play. Through play and interaction, this product will help them to explore, visualise, create, and express. Playing is an important expression of human development in childhood. It helps in the development of cognitive skills. This product appropriately combines many activities that encourage interactive skills and their exploratory

characteristic in children; some of these activities are: drawing, writing, and colouring. Market research showed that an absence of glass products meant for children's interaction was mainly due to its brittle nature. Due to this, children are not aware of this wonderful, futuristic material. The aim of designing this product was also to introduce glass as a material to children and make them aware of its possibilities and attributes while keeping the safety parameter in mind.



Design Registration No. 286448

Designer

Ravinder Kumar Chandoliya

Faculty

Neelima Hasija

Discipline

Ceramic & Glass Design

**DESIGN
FOR RETAIL
EXPERIENCE**



Design for Retail Experience

Display Basket

The purpose of this product is to enhance the aesthetic look and facilitate easy access to the fruits kept in the display basket.

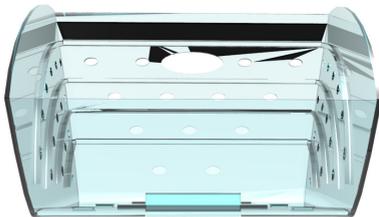
The product consists of:

1. An ergonomic basket which eliminates the concept of slant crate displays thus increasing space utilisation.
2. A two-way signage clip and a slide-in signage panel that slides on the basket thus eliminating cumbersome, unorganised offer and price displays.

3. The basket itself slides on a system of double-slit strut channel system using customised brackets

4. Being transparent, the basket enhances the feeling of freshness and increases visibility of the fruits at the bottom.

5. The baskets would be colour coded (still transparent) with respect to the merchandise in them (major colours being red, yellow, orange, and green).



Design Registration No. 281842

Designer
Kaish Agarwal

Faculty
Sushanth C.S

Discipline
Design for Retail Experience



Design for Retail Experience

Packaging for Food

The product is designed to hold street food. It has been designed with a twisted form and captures the style in which street food is originally sold.

This product is lightweight and is easy to hold and carry. This package can also stand on a flat surface. It can hold a substantial quantity of food.

It has a strong visual appeal. This packaging can work very well for many

products such as popcorns, chocolates, cosmetics, candles, and other dry street foods.



Design Registration No. 281841



Designer
Kaish Agarwal

Faculty
Sushanth C.S

Discipline
Design for Retail Experience



Design for Retail Experience

Holder for Wrist Watches

This is a functionally and visually appealing fixture for the display of wrist watches in a retail store. It is user-friendly and helps increase customer and product interaction which can enhance the sale of wrist watches in a store. It is easy to manufacture and to hook on to a slatwall; each vertical panel holds multiple horizontal units, breaking the directional

flow of the fixture. This product is both user-friendly and product-friendly. It is also easy to install in a store and is low on maintenance. It is also possible to fix watches on these hooks without any difficulty. Low-cost raw material has been used to manufacture this product. This helps to minimise wastage of raw material during production.



Design Registration No. 283284

Designer

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Design for Retail Experience

LIFESTYLE ACCESSORY DESIGN



Lifestyle Accessory Design

Coaster for dining assistance for Visually impaired

This product helps people with visual impairments to locate their food on the table while avoiding any spillage.

This product is made of veneer and has been cut in a CNC machine through Lasercut software. After cutting, edges were smoothed, coated with POP, and then painted. The brass brackets help in sliding and locking.

The unique aspect of this product is that it is neatly textured keeping in mind the fact that for people with visual impairments,

texture one of the crucial aspects that helps them understand the environment they are in. The use of veneer gives a natural feel to the coaster.

This product can be widely used at schools for children with visual impairments. Also, people with visual impairments can make full use of this coaster if they happen to be dining outdoors.



Design Registration No. 290078

Designer

Rashi Saraf

Faculty

Shimul Mehta Vyas

Discipline

Lifestyle Accessory Design



Lifestyle Accessory Design

Bag

This bag has both aesthetic appeal and functionality built into it. It has a half-cut pattern; the bag need not be closed with a locking mechanism nor does it require an additional arrangement for attachment of straps.

An interesting feature is that no stitching can be seen on the surface of the bag; all the stitches are concealed inside the half-cut pattern over the bag.

There is a hidden back pocket too. Another feature of this bag is that it can expand

in size depending on the quantity of contents put into the bag. It is a monospace bag with a small space inside to keep cards and precious belongings.



Design Registration No. 266840

Designer
Abhilasha

Faculty
Shimul Mehta Vyas

Discipline
Lifestyle Accessory Design



Lifestyle Accessory Design

Bottle Opener

This product has dual use. It can be used as a bottle opener and as a crown holder. The blade in this product will act as an opener and the inside cavity as the crown holder. This product is portable and it could also be placed on a table outdoors. It can be conveniently used during house parties or gatherings where everyone is at ease to manage beverages on their own.

This product is user-friendly, aesthetically appealing, and easy to clean. The structure of this product is inspired by the shape of a seahorse.



Design Registration No. 254130

Designer

Amrita Deol & Sanjukta Das

Registered Under

National Institute of Design

Discipline

Lifestyle Accessory Design

UNIVERSAL DESIGN



Universal Design

Iron & Ironing Apparatus

The design of this product is a developed variation of the flat iron and consists of accessories such as sensors and water tank. When the iron is kept on the iron top, the magnetic field produced by it, heats the base plate of the iron.

The iron is unique because:

- It is cordless.
 - The form of the body is unique and was arrived at after several considerations.
- The ironing apparatus is similar to the top of an induction stove available in

the market. This device produces magnetic field when electricity is provided to it.

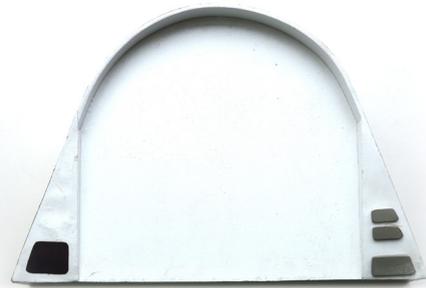
When a material made of steel is kept in the range of the magnetic field, it gets heated up. This heat is used to iron clothes.

The ironing apparatus is unique because:

- There is no magnetic field generator that is used for ironing clothes.
- The controls are designed for the activity of ironing.
- The form is unique confirming to the function it does.



Design Registration No. 288799



Design Registration No. 288800

Designer

S. Nikhil Das

Faculty

V. Ravishankar

Discipline

Universal Design

FURNITURE & INTERIOR DESIGN



Wine Glass Holder

This product is made for the purpose of holding both a wine bottle and a glass all at once. This wine glass holder is made out of a single piece of bamboo. Moreover, a little cut out can hold two wine glasses also. The bamboo used is well-treated to avoid termites and borers. The bamboo used in making this product is bent by using a hot gun.

A cutter has been used to give necessary cuts and shapes while making this product. This product is finished by using sandpaper and clear wax polish. This is a beautifully-designed accessory and can be used as a gift item.



Design Registration No. 289402

Student
Medha Gupta

Faculty
Pravinsinh Solanki

Discipline
Furniture & Interior Design



Tube Seat

This product is made out of a garden pipe. The pipe is rolled together in order to create a seating arrangement with a back rest. The garden pipe is rolled in such a manner that the seating provision is created first and after that the pipe is again rolled in the form of a back rest. Here, the rolling technique is tried differently as M.S. Wire was used

to join the tubes. It is more of a sculptural design. It can be used indoors and outdoors as well, though it looks more appropriate for outdoor settings.



Design Registration No. 267237

Student

Akhil Raj & Darshna C

Faculty

Dr. Ranjit Konkar & Pravinsinh Solanki

Discipline

Furniture & Interior Design



Table

This product comprising six bent legs is a multipurpose table made out of natural wood. This product is beautifully designed keeping in mind form and function without compromising on aesthetics. Beech wood and teak wood are fixed together by simple wooden joinery. The table features a semi-gloss melamine finish. The use of teak wood

and beech wood beautifully shows the combinations of dark and light shades respectively on the table.

This product can be used as a side table or center table.



Design Registration No. 267240

Student

Hiren Rana

Faculty

L.C Ujwane

Discipline

Furniture & Interior Design



Center Table

This table was developed as part of the Construction and Fabrication course. This table can be used as a center table as well as a side table. It can be chiefly used for the purpose of serving tea or coffee. Two baskets for drying have been welded together in such a way that the bottom basket is kept upside down; another basket was kept on top of it in

order to construct the basic structure. There is a mirror attached to it which reflects the graphics fixed on the table top. Here, the table top is also made out of glass and both the sides are laminated with graphics. Both the baskets used in constructing the form are made of stainless steel and have a glossy finish.



Design Registration No. 267233

Student

Alekya Reddi

Faculty

Pravinsinh Solanki

Discipline

Furniture & Interior Design

