







Published in Sri Lanka in 2017 by Department of Integrated Design, Faculty of Architecture, University of Moratuwa, Sri Lanka.

CULTURE CODE - Tradition to Lifestyle | Sustainable Bamboo Crafts | 2017



ISBN 978-955-9027-64-5

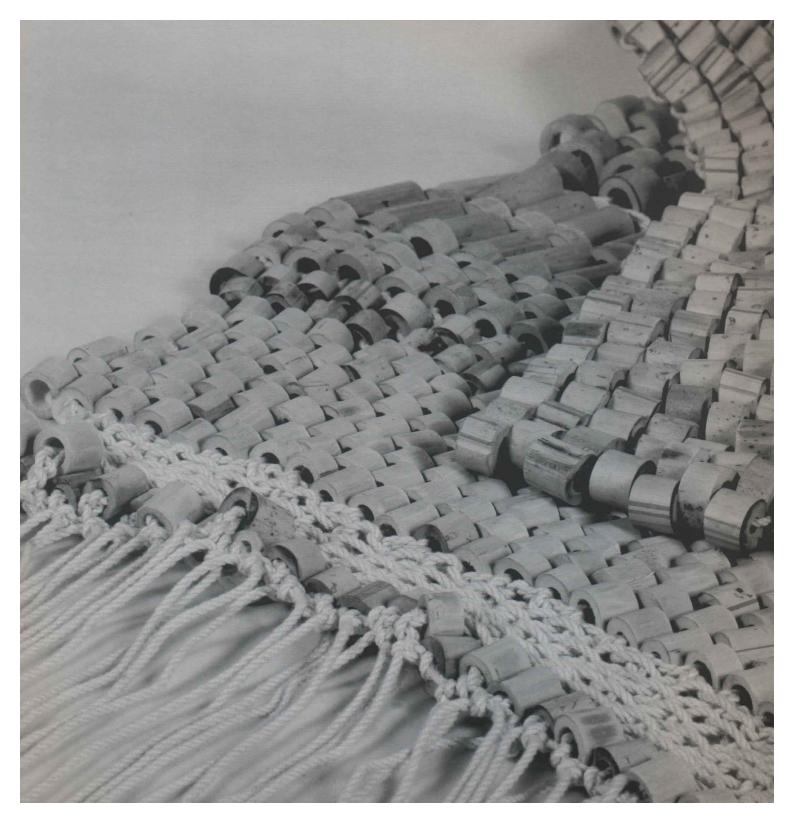
Copyright © Department of Integrated Design, Faculty of Architecture, University of Moratuwa, 2017

All rights reserved.

No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, mechanical photocopying, recording or any other information storage and retrieval system without the written permission from the publisher.



www.design.mrt.ac.lk www.designcode.lk



CONTENTS

Department of Integrated Design - University of Moratuwa	01
Introduction - Culture Code 2017	02
Product Collection	03
Avant-Garde Fashion Collection	51
Project Advisors	63
Student Designers	64
Acknowlegement	66

DEPARTMENT OF INTEGRATED DESIGN

FACULTY OF ARCHITECTURE, UNIVERSITY OF MORATUWA



The Department of Integrated Design is the pioneer of Sri Lanka design education and has been processing and developing the field of design for over a decade in the Faculty of Architecture, University of Moratuwa, leading the students through an innovative and problem solving practice of design application.

Thus, with the mingling of creativity and functionality the degree course attempts to create designers of an individual identity that can enrich the Sri Lankan context.

Specializing in different streams of design, the course provides a great opportunity for the youth of the country to enter the world of design with creativity and sociocultural consideration. Media and Communication Design, Fashion and Lifestyle Design and product Design are the established fields of studies in the department. The degree program while responding to the demand of great diversification in higher education; also provides an immense contribution to the national development through academic performances.

INTRODUCTION



The 'Culture Code' project theme was developed to align with Department's aim of providing contribution towards National Development to create opportunities for students to develop their entrepreneurial skills while contributing to the betterment of the craft sector of Sri Lanka. 'Culture Code 2017' implemented to diversify the Bamboo craft production to a sensible function and expect an outcome with a proper involvement of design and marketing strategy and introduce consumer oriented lifestyle product designs.

Level two students of the Department of Integrated Design, Faculty of Architecture, University of Moratuwa, experimented with this versatile craft material; Bamboo, in order to bring out its qualities at their best, while seeking for novel innovations in crafting and material preparation. Local and foreign demand for natural material based lifestyle products in different perspectives was observed initially to identify a niche market for the design ideas. By merging the traditional skills and technologies with innovative design concepts students have been able to introduce a range of designs that goes beyond monotonous lifestyle products of bamboo, to regain the local and international attraction once possessed by highly appreciated traditional crafts.



LUMINAIRE COLLECTION

LUZENT LUZENT is an elegant eco-friendly light fitting made to suit the cozy bedroom wall. Inspired by the natural form of bamboo, the fitting is made using the culm and strips of material following a fully eco-friendly process. Simplified in both design and in technical aspects suiting any user, LUZENT walks hand in hand with modern architectural aspects. Its simple yet elegant form, diffuses the light on the wall in an interesting manner making the space more elegant and aesthetic projecting energy and mental boost to its user. SASHEEN ATTANAYAKA Student Designer sasheen007@gmail.com

CURVA

CURVA is an ecofriendly reading lamp for deep readers. Bamboo possesses the natural bending qualities because of its vertical drains and gives a unique texture. CURVA uses these properties to ergonomically provide the best and real experience of bamboo as well as a designed reading lamp. Simplistic and elegant in its nature, CURVA uses the concept of 'Bows' and applies to the functionality of its usage. Proposed to the high-end markets of the urban Sri Lanka, and to the market of heavy readers and their lifestyle.



WARANA PABODA
Student Designer
waranapaboda@gmail.com



KIVAN

KIVAN, a shadow making lamp is presented through the concept of 'Waste to Product'. Targeting the market of hotels and villas, KIVAN uses the shadow casting techniques to create moods in said places. With research in Sri Lankan hotels and its interior decoration, usage of eco-friendly material, shadow casting techniques, user behaviors, and with only using bamboo cross-cuts varying in size, type and thicknesses, KIVAN uses yellow and warm lights to celebrate the simplistic, sensual bamboo material. Giving the real experience of bamboo, the high durability of the material ensures the long-lasting effect.



CHAMALKA LIYANACHCHI Student Designer chamalkasrimal@gmail.com



D-LIGHT

With the concept of twisted silhouette D-LIGHT is a light fitting that is specially designed for bedrooms. With research on light fittings and bedroom mood creation, the product has been developed to gain the maximum as a light fitting pleasing the elegant bamboo material. Using the inner stripes of bamboo culm, the base is completed with cross-cuts of the giant bamboo and is treated to not harm the environment. The shapes and forms emitted from the light fitting gives a feeling of calm and relaxed emotion with the bamboo material



OSHAN PREMATHILAKA Student Designer rpdanoshan@gmail.com



KINDLE

Inspired from the natural form of bamboo, hollowness and the space in between, KINDLE; a dining table lamp, has used bamboo materials ability to be manipulated into different versatile forms. With the 'Back to Basics' concept displayed through simplistic, conventional lifestyle, KINDLE is a pendant lamp targeted to the eco-friendly contemporary individuals of minimal lifestyle. With experiments in bamboo stipes, bending methods, the bamboo culm has been used creatively using a warm light for mood creation.

TILAKSHI SALPADORU Student Designer tilu.mc@gmail.com

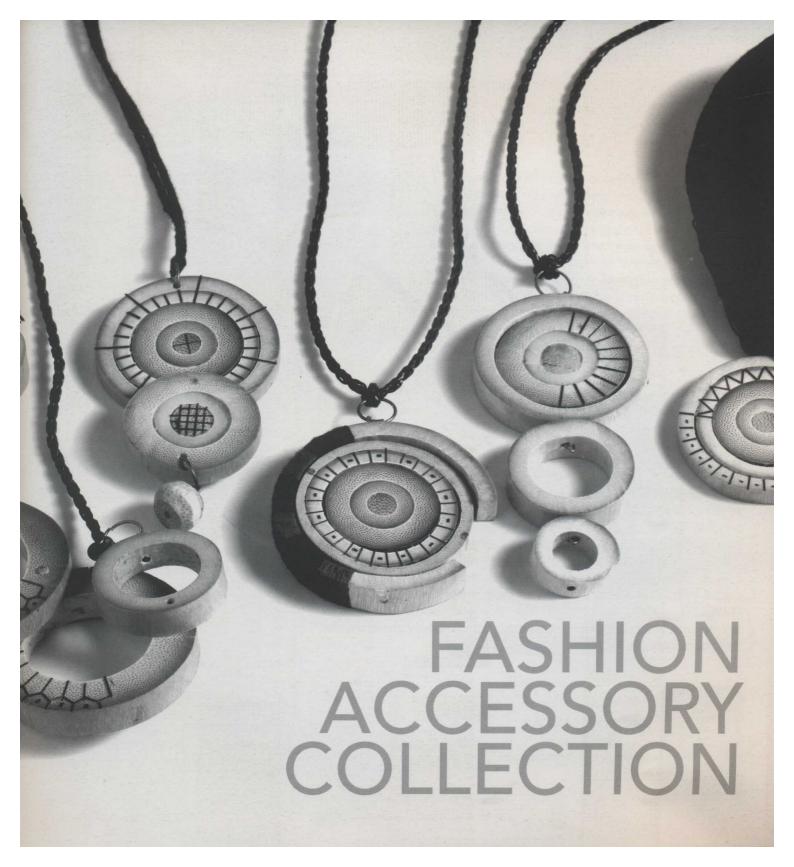


VACILLATING LAMP

An environment friendly bio-degradable bamboo lampshade that can be placed at the bedroom is designedt using bamboo strip weaves. Three types of weaving have been used as play to increase and decrease light giving shadow effect to create a said mood. Physical, chemical and mechanical properties of bamboo, utilization potential of bamboo were the main research areas. The lampshade can be placed in two different positions as a table lamp and as a wall lamp. The mechanism of the shadow changing product utilize the natural hollow property of bamboo adding value to the product's look and feel.



Student Designer rahuman0327@gmail.com



TANGLED LOOPS



With the aim of manifesting bamboo aesthetics to the fashionable woman, TANGLED LOOPS is a necklace collection introduced to the trending market of craft and the trend, 'back to basics'. The unique grain patterns and the colour range of bamboo has been applied kinetically with the application of traditional motifs as detailing for the jewelry. Different sizes of cross-cuts and smoked bamboo stripes, cotton yarns and metal joinery has been used for its production. TANGLED LOOPS compliment the rhythmic body shapes and movements of contemporary women, and gracefully matches the handloom industry.



ANNE NISSANKA Student Designer sashmika95@gmail.com





CAVITY LUSTER

Inspired by the natural cavity of bamboo node, CAVITY LUSTER is a set of necklaces introduced to the modern eco-friendly and fashionable lifestyles. Developing an own sense of bamboo beads, CAVITY LUSTER uses a range of beads constructed from bamboo cross-cuts. With research on natural material used for body adornments, lifestyle traits and market behaviors, the product celebrates the newfound elegance of the bamboo material. Embroidery knots have been placed consciously to give an additional essence of elegance. Following an eco-friendly design process, CAVITY LUSTER is presented with the concept of 'Glow of Cavity'.



AROMA BANGLES



Inspired by the spirals found in nature, AROMA BANGLES have been designed with the concept of bringing fragrance and jewelry together. Dedicated to women of earth lovers, the natural form of bamboo has been treasured with variation in spiral cuts to suit the many shapes and sizes of feminine hands. These ergonomically soothing shapes and spirals has been infused with home-made essential oils such as Cinnamon, Rose, Sandalwood, Jasmine and Vanilla. A variety of colour has been experimented by boiling bamboo in Olive Oil, Aralu, Bulu, Camphor etc. Proposed to Selyn, Sri Lanka, AROMA BANGLES hopes to create new trends with eco-friendly aromatic accessories.



SAJEEWA MANAHARI Student Designer rajapakshe.sajeewa@outlook.com



BAMBRACE

BAMBRACE is an unisex accessory collection, specially catering the market gap of men's accessory wear, through an aromized bangle introduced to youths between 20 to 35 years. While following the current market trends, this product is constructed with bamboo crosscuts, infused with aroma. The surface is treated with an experimental technique using grinders and tools to create textures. Inspired from fire and taking the concept of 'Rustic Modern', creates an in between of rustic animal print like patterns.





MINOLI FERNANDO Student Designer max.minoli4@gmail.com





Inspired from the concept of Takefumi, an ancient Asian reflexive maintenance exercise, the Takefumi Therapeutic House Slippers are developed using the natural curves of bamboo to contour the longitudinal arches of the foot, while massaging the reflexive areas on the sole. Meeting the current trends of health and wellness, this product influences its users to purchase well-designed health beneficial products. The special and comfortable insole comes with an upper of a fabric made out of bamboo beads and raw fiber, extracted through a simplified mechanical process, that's breathable as well as moisture wicking. This can be utilized for aromatherapy. Maximizing the raw material with a holistic production process, the product walks beyond mere aesthetics and comfort.

RUVINI DHARMASENA Student Designer ruvini.thamasha@yahoo.com





Taking use of the temperature adaptability, absorption quality and antibacterial properties, BAMBOOFIT is presented through the concept of 'Odor Free' footwear. Bamboo fiber is extracted with an ethical process and treated naturally and works well in all weather conditions. It is introduced to selective, urban upper-class, middle aged, working women with an interest and a passion in ecofriendly products. With research in human anatomy, footwear industry and market behaviors the product has been designed by using knitting techniques for this unique fiber.



SHEHANI MADUSHIKA Student Designer shehani95@hotmail.fr

COMBOO BAMBOO

Inspired by the natural curve of bamboo material, COMBOO BAMBOO is a set of hair accessories introduced to modern conscious users with a sustainable lifestyle. With research in ergonomic usage of accessories, lifestyle traits and market behaviors the product has been completed to gain the maximum usage of the material properties. The curvaceous property of bamboo has been utilized to gain the maximum usage of the product. Presented with the concept of 'Conscious Grooming', COMBOO BAMBOO follows a social responsible design process for better products and a sustainable future.



MALINDI JAYATHUNGA Student Designer malee027@gmail.com



BEAUTY BAMBOO

Under the concept of 'Beauty in Order' this cosmetic packaging is a gift to say good-bye to the messy cosmetics packaging using the elegant material of bamboo. BEAUTY BAMBOO was developed taking maximum usage of bamboo material. With research on packaging, cosmetic stacking and ecofriendly packaging units, the design is properly constructed using craft weaved outer strips of the bamboo material. The plane could be turned over 360 degrees to utilize most of the cosmetics suiting the user ergonomically and aesthetically.





SENUSHI FONSEKA Student Designer senufonseka@gmail.com



CLUTCHY

CLUTCHY is a bamboo clutch purse designed inspired by the feminine and elegant characteristics of the bamboo material. With the fiber extracted from the raw material, combining with the bamboo strips, have been constructed using techniques such as crochet and weaving patterns, resulting a light, soft but also strong and durable purse that is appropriate for daily usage. Proposed to the Good Market, it addresses the upper-class fashionable women.



YASHODHA KUMARAGE Student Designer yashodhakumarage@gmail.com



PALLIATE

Designed for the brand of TAOA, PALLIATE is an Amenity Bag to help customers pack their toiletries while travelling. Inspired from the different forms and structures of bamboo material the product follows the concept of 'Mend and Bend'. Introduced with a strong research background and experiment process, the product uses and introduces a new method of bamboo fiber extraction following a green process with the help of craftsmen, uses craft methods such as crochet, bamboo weave. Aim of this product is to develop the inter relationship between product and the consumer with the help of natural sustainable materials catering to the conscious, sustainable lifestyled consumer.



THAMODA GEEGAMEGE Student Designer tgeegamage@gmail.com





CLAZZIC B

CLAZZICB is a baby bag made from bamboo with easy partitioning and heat insulating systems, utilizing the natural hygienic properties of bamboo and its material properties of light weight, smooth and versatile nature. CLAZZICB can hold all essential baby products for an eco-lifestyled mother of a two year old, needs and contains an outer appearance of a handbag. Extensive research on behavioral patterns of babies and mothers, existing product ranges, CLAZZICB is designed to be user-friendly and ergonomically Weaving patterns, balanced. bamboo shavings, strips, beading, fabric and bamboo charcoal has been used to get the maximum outcome of the product.

KAWEESHA MUNASINGHE Student Designer kawee601@gmail.com



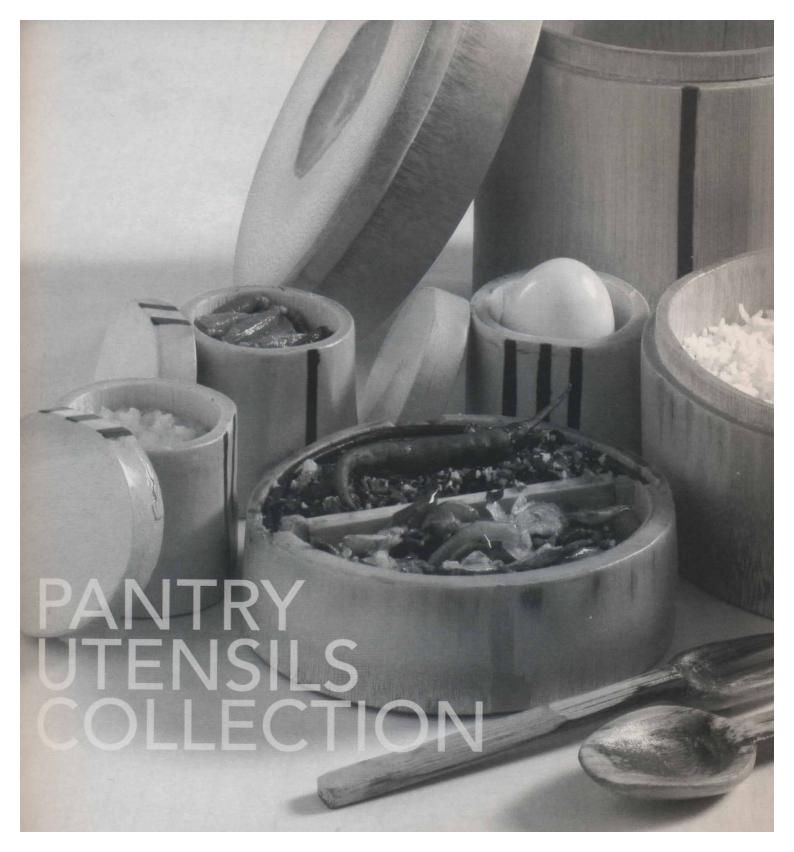
BAMBOO CARRY-ON BACKPACK

BAMBOO CARRY-ON BACKPACK takes inspiration from the traditional bamboo woven baskets and gives a new perspective to a line of backpacks. It addresses the nature loving, traditional material admiring student travelling abroad frequently. With deep research in the lifestyle of the user, ergonomics of backpacks and market attributes of the product, the BAMBOO CARRY-ON BACKPACK meets all demands of luxury standards. Experimented with old craft methods, local wisdom and material handling has been consulted for better production methods. Combination of leather and bamboo fabric gives a luxurious finishing to bring out the eco-luxury woman.





LAKMALI PERERA Student Designer luckysp11@gmail.com





YI CHI

YI CHI, meaning 'Different and Complimentary', is a salt and pepper shaker inspired by the Chinese symbol of Yin and Yang. Designed under the concept of 'Parity of Your Life', the product aims to the high-end target customers of Barefoot and Paradise Road. The material does not use any artificial chemicals nor does it react with salt or pepper. While giving a real experience of bamboo enhancing the natural beauty and function of the material, YI CHI uses the natural curve of bamboo along with the bronze material as an added value.



6

RUWANTHI MEDAGODA Student Designer ruwanthimedagoda@gmail.com

CURVEYCO

The curve collection, is inspired by Organic forms of Nature. CURVEYCO in an adjustable plate holder for restaurants and homes following the sustainable concept. Utilizing the original and natural shape of the bamboo material and combining its bending properties, a durable, bio-degradable unit to hold plates has been designed. With a special lock system, the number of plates to be held can be adjusted to the situation. CURVEYCO designs responsibly catering the Eco lifestyles entities, decorating sustainable household in an elegant and aesthetical manner.

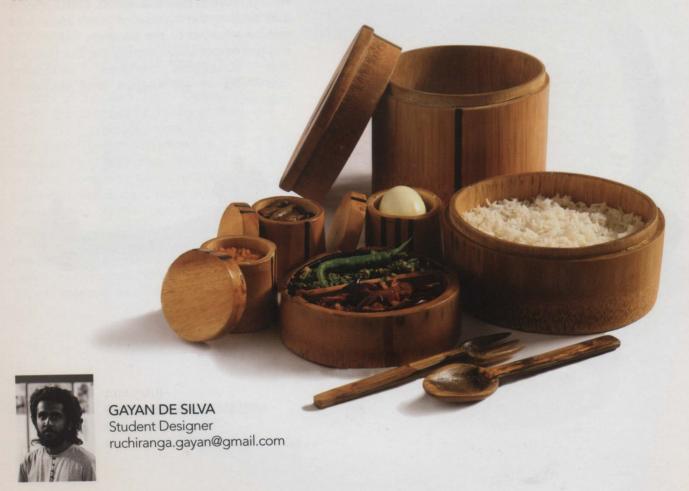


UMESH THILAKARATHNE Student Designer amdurt95@gmail.com



CALORIE BALANCER

Calorie balancer, a food container a lunch box designed to cater todays' market of non-ecofriendly product ranges. Using the natural qualities of the Bamboo material; absorption, temperature control, bio-degradability, hollow shape, the container uses all nature friendly treatment methods for preparation of raw material and to deliver the best mode of porting food. With systematic research on calories and side effects of various diseases, this CALORIE BALANCER controls the amount of calories an individual requires, with in-designed sub containers for each food category.



RECHERCHE

An eco-friendly table cutlery set, RECHERCHE is designed with the inspiration of traditional weaving methods and the concept of 'Decorative Simplicity'. This is proposed to the Kotuwa Super Dining option in Kandalama Hotel Dambulla; an ecofriendly high-end hotel. Taking a design approach of Eat & Keep, it targets its customers who are interested in keeping the set as a souvenir to remember the place and the moment. While using the natural curves of bamboo stem to suit the user ergonomically and aesthetically, it has been manufactured without chemicals promoting all natural environment friendly products among users.

UMANGI BIMSARA Student Designer haub2295@gmail.com



EMINENCE OF BAMBUSOIDEAE

The product is related to etiquette of tea and coffee where a natural raw material; bamboo is incorporated. The tea set comprises of 9 components that are traditionally being used for celebrating special life events as well as to highlight the authentic beverage values, brewing and serving. With thorough research in bamboo preserving, tea etiquettes, toxicology, an own method of preserving was developed with herb neem seeds, chrysanthemum flowers, marigold flowers, vinegar and sea salt. Motifs have been used aiming the tourist culture of Sri Lanka basing the Kandyan Arts and Crafts Industrial Centre.



BEVA



BEVA; bamboo fruit basket, utilizes the natural curved hollow structure and the vertical fiber structure of bamboo material which naturally preserves freshness through water evaporation encouraging long-term consumption. BEVA is addressed to nature loving customers who are interested on innovative products and prefer natural food preservation methods. Constructed with three shapes of bamboo cross cuts with similar diameters and bamboo strips used for weaving, BEVA is functional and user friendly with two separate compartments for fruit storage and easy management of water.

THUSHARA NISHSHANKA Student Designer nishshankat94@gmail.com



FRUIT FLOWER

Inspired by a blooming flower, FRUIT FLOWER is a basket designed to hold fruits. Using bended bamboo strips, its texture and colour, the product mimics of a blooming flower; adjustable and elegant. Aimed to cater the high-end customers, FRUIT FLOWER compliments the kitchen or the dining table while keeping the fruits fresh and clean. Its decorative properties also give a sense of quality. This product can be both functional as a decorative or holding item.





CHAMARA SENEVIRATHNE Student Designer chamshu@gmail.com



RELAX

With the concept 'Softness Through the Roughness', RELAX was inspired by the bamboo tree which is flexible and strong at the same time. RELAX is a relaxing seat cover presented to the busy and stressed individuals. With thorough research on acupressure, physiological aspects of stress, ergonomics of seating and chairs were done in parallel. Beads have been constructed from the bamboo material and joined together to a pattern to trigger the pressure points of the body to increase blood circulation. Cross-cuts and unique shapes are inserted with the beads.





CLEANSE

CLEANSE is an all-natural bamboo basket which holds used clothes and also acts as a natural air freshener through activated bamboo charcoal which helps to absorb any odors or impurities and eliminates them cleansing the air. Drawing inspiration from the lotus flower and its representation of purity in a murky environment, CLEANSE uses the lightweight property of Bamboo and the cleansing and absorbent property of Bamboo charcoal infused with essential oils to improve its quality. Targeting the high end living community who focus on eco lifestyles, with the concept of

AYODYA DE ALWIS Student Designer ayodyadealwis@gmail.com



BAMBU

B A M B U is an ecofriendly bamboo packaging proposed to Spa Ceylon Detox Bamboo Charcoal Body pack designed in a path of Back-to-Basics. Making use of bamboo as a versatile packaging material and with thorough research on material properties of Bamboo, eco-friendly packaging and brand strategy of the client. Bamboo strips and fiber has been used to creatively act as an interactive secondary packaging to the Charcoal Body Pack on the idea that eco-friendly packaging improves the image of any brand driving impulse towards brand loyalty.





SAMUDRA DE SILVA Student Designer nipuni164@gmail.com



CANDLE HOLDER

An environment friendly, bio degradable candle holder can be used for interior decoration, mood creation, meditation and religious purposes. The simple mechanism from the basic idea of a lipstick is the main inspiration behind this design. A less intensive luminaire, creates great aroma, naturally, which can be used in restaurants and temples or meditation centers. The product consists of bamboo and a lift up mechanism where the intensity of the light can be changed, emitting light can be changed by the user which will be feasible to use in any given environment.

KURUPARAN T. Student Designer kuruparanthamil94@gmail.com



TREASURE PACK

Inspired by the natural lines and curves of the bamboo material, presented through the concept of 'Give a New Go', a tennis ball packaging was designed that can be used as a souvenir or a token of appreciation or trophy. Using the similarities between a tennis ball and bamboo curves, the material quality has been used to absorb moisture and preserve for a long time period. While promoting eco-friendly packaging for sports utensils, addresses personalities related to the field of tennis. This is a high-end product that can be marketed through a well-established brand in a country.





SUPUN PATHIRAGE Student Designer supunsanjaya1@gmail.com

CONNECTO



POD

Using the high absorbent and moisture balancing qualities and the natural hollow space of the bamboo material, POD is a mini planter introduced to the urban residents of apartments, small houses as an indoor gardening method. Stretcher cut and its inverts has been consciously utilized to improve the form and is secured with weaving patterns not only to hold the pieces but also to indicate the soil content. The structure can be placed vertically or horizontally while also providing nitrogen nutrients for the plant when needed. POD stands for its minimal usage of the natural curve and shape of material, simple, sustainable and as a functional unit.



2B HOLDER

Utilizing the anti-bacterial quality and the natural silica emitting ability of the bamboo material, 2B HOLDER is a bath item to hold soap and toothbrushes. Developed with experiments in form and shape, the holder is constructed from minimum use of material combining with self developed complex joinery method and a lock system from square cuts producing an elegant, simple design. Addressing the busy life styled individuals of upper-class 2B HOLDER ensures the control of dermatological diseases that can be transferred through soap but also transfer its natural silica to its user.



NUWAN ALLEPOLA Student Designer Nuwanchandima.51@gmail.com



ELBOW CRUTCHER

Directing to the market gap of statement fashion accessories in medical areas such as crutches, ELBOW CRUTCHER is designed to suit the needs of upper-class elderly individuals with walking disabilities. Inspired by the organic shapes and hollowness of bamboo, this crutch is developed with brass material to add detail and also to bear load. Such detailing is inserted to the bends and to capped at the bottom to control friction. Not only fulfilling the medical requirements, it also fulfills the fashion requirements, ELBOW CRUTCHER is proposed to Barefoot, Colombo.



RAJIKA THILAKARATHNA Student Designer rajika36@gmail.com



VENTILATED LAPTOP TABLE

Utilizing the bendable quality of bamboo strips, VENTILATED LAPTOP TABLE is designed for nature loving busy individuals who work long hours with laptops. Designed to be placed in any surface including beds, cushions and even on the floor, the table prevent the heat emitted by the laptop. Designed with proper ergonomic study and considering the health issues while working on the laptop, the product has been completed to gain the maximum usage of the material properties. Presented with the concept of 'Healthy Long Life', it is designed with an eco-friendly process, which is helpful in conservation of the nature and future generations.



BOBBER

Lifelong skill of bike riding BOBBER BIKE is a handcrafted eco-friendly bamboo bicycle with a unique design and top quality components. While focusing on creating an identity for kids, it uses the maximum properties of bamboo; sheer strength, tensile strength, compressive strength, flexibility and shock absorbency. The raw material is treated to enhance these properties, double layering to maximize the high pressure points. Using multi-coloured detailing, the bike is designed to be user centered and to cater the needs of the current market values and trends. BOBBER with the inspiration of super bikes helps to create a foundation for eco-friendly, handcrafted products in Sri Lanka.





DESHAJA KULATHUNGE Student Designer dewapriya006@gmail.com



ILLUMINATED LOOPS

Illuminated Loops Bar Stool was inspired from the Brick Running Bond, which is the strongest and the simplest method to arrange bricks. Hence, it renders a unique outlook and a strong base at the same time. The light transmits along the tube structure, and lures picturesque shadows upon the floor, while giving a taste of elegance. With experiments on bamboo crosscuts and circular shapes and in natural forms, it was developed to apply to a rectangular shape. With research on anthropometry, mood creation through lighting and joinery methods, the product aims to the high end eco-friendly lifestyled males.

NAYANI MUDALIGE Student Designer nmmudalige94@gmail.com



RELAXING CHAIR

An ecofriendly lounge chair was designed to suit the beach side resort and hotel chains in Sri Lanka. Combining with types of bamboo varying in size and kind together with the cane material, the chair ergonomically provides medically accepted postures and methods to relax the body allowing its pressure points to be stimulated. Swaying from the traditional bamboo industry, this product opens doors to the Sri Lankan furniture industry and as a novel concept for relaxing chairs. The material is treated naturally to not harm the user or the environment correlating with the industrial and market opportunities.





SAMUDIKA LIYANAGE Student Designer send2designer.samudika@gmail.com

KABOO

Inspired by the forms, shapes and moods by the outdoor context and sea waves, KABOO is designed as an outdoor lounge chair. Presented with the concept of 'What Happens in Vegas, stays in Vegas', KABOO is directed to the beach side hotel chains. Research was done in bamboo material; tensile strength, load bearing strength, utility of the bamboo material, current beach chair market, tourism and anthropometric detail. KABOO uses bamboo strips connected together in a tensile mat, using its bending properties to ergonomically celebrate the human body. MANUJA YASINTHA Student Designer Manujayasintha@gmail.com

PICNIC CHAIRS

A space hacking product, this is a safari camping utility and stool set introduced to the trendy market of camping community which can also double as picnic table and stool set. Experiments in material bending, colour variations, use of joineries to detach and attach methods have been used and placed consciously while following a minimal waste concept. Bamboo stem, strips and cuts, has been used to construct a sturdy, durable and varied product that can be used at hardy weather and environment. Proposed to the Good Market, it aims to address the rising market of outdoor activities.





KAUSHALYA GUNASEKARA Student Designer hprkpgq395@gmail.com

CRADLE RUCKSACK

Addressing the Rock and Metal culture, the RUCKSACK is a seating device and a portable crate designed with the inspiration of the bamb and its movements. Following the same idea of propagation from culm to culm, the RUCKSACK helps individuals of this culture to their identity and voice their belonging personal equipment. Behavioral patterns of r metal culture was studied linking with body erg and anthropologic data. The metal material is further improve the strength and fit to c expectations.





HARSHA LAKSHITHA Student Designer harshlewter@gmail.com





Inspired by the compliant structures as observed in crossbows, The ARCLINEA lounge/relaxing chair is made out of bamboo using its natural qualities. Two parts of bamboo strips are joined together having the one under tension and other under compression; making a compliant structure. With the practical application of studies in ergonomics of relaxing chairs, and material properties, ARCLINEA is unique in structure and usage. The chair is possible to withstand a weight up to 120kg using only 0.3" thick bamboo stripes for the legs.







ETERNAL RECURRENCE

AVANT-GARDE FASHION COLLECTION

The nine Avant-Gardes presented are progressed through four different stages of the life cycle: childhood, adolescence, adulthood and the reproductive stage and maturity. Linking with the life cycle of humans and bamboo tree, the designs are developed to symbolically represent quality and behaviour of each stage.

First the tenderness and vulnerability of the early stages merge into the playful adolescence stage which approach the rigid, elegant and strong mature stage of the life cycle. The process ends after opening the door to another circle of life representing rebirth and hope for a new life.



The bamboo shoot is symbolized through simple shapes. Using bamboo strips, the flexibility and the fragility of a human in his or her young ages are depicted, linking to the early stage of a bamboo shoot. No complex designs are used, thus celebrating the tenderness and exposed nature of a youngster.

DESIGNERS

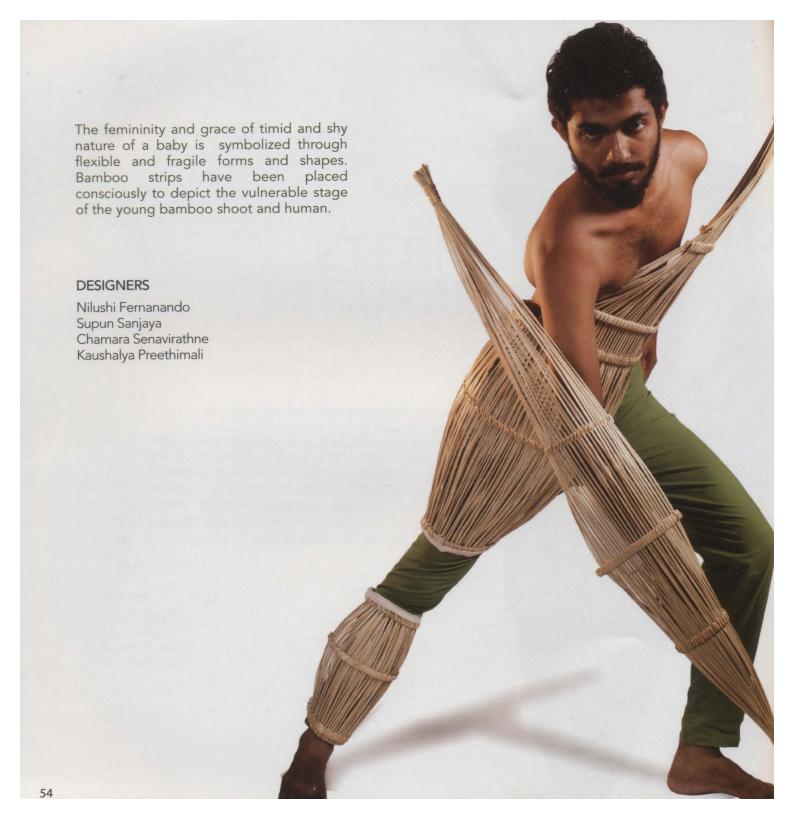
Tilakshi Salpadoru Abdul Rahuman Rajika Thilakarathne Yashoda Kumarage



The bamboo shoot is symbolized through simple shapes. Using bamboo strips, the flexibility and the fragility of a human in his or her young ages are depicted, linking to the early stage of a bamboo shoot. No complex designs are used, thus celebrating the tenderness and exposed nature of a youngster.

DESIGNERS

Tilakshi Salpadoru Abdul Rahuman Rajika Thilakarathne Yashoda Kumarage











Related to the fifth avant-garde, the entanglement of strength and flexibility is once depicted bringing out the feminine qualities of the further maturing tree. More movements are added to show it pproaching the peak of its life-cycle. Complex weaving methods and cross cuts. are used for added strength.

DESIGNERS

Bagya Kuruppu Chandika Dilshan Thushara Nissanka Malindi Jayathunga Thamilmaran Kuruparan



The peak point of the lifecycle is depicted, augmenting all elements of beauty and ecstasy. While crowning its elegance and beauty, celebrates the multi-layers of bamboo sheaths depicting adulthood. Petals and Structures show the movements of Bamboo Blooming. The cross cuts are draped across the hips representing rigidity and strength, adding a feminine look. The mesh is a continuation of the former stages with weaving.

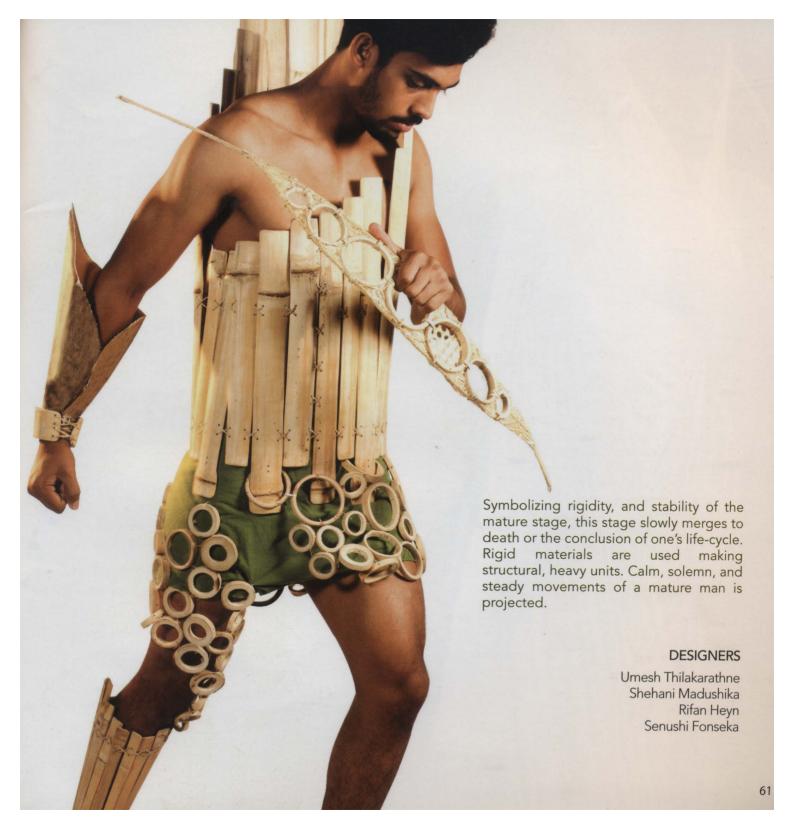
DESIGNERS

Ayodya De Alwis Sasheen Aththanayaka Samudika Umayanga Selvarathnsm Kuganeshan Umangi Bimsara Deshaja Dewapriya The second stage of maturity, is slightly advanced protecting its nature and origin. Enhancing the elegance and beauty, rigid cross cuts, mesh layers radiates masculinity and proudness. The petal structure is inspired from the bamboo sheath to show its self-protection in its mature stage. Play of petals during the act shows the elegance and the beauty of Bamboo Blooming. Bamboo culm structure and its movements show the natural form of a bamboo bush which is stable as well as flexible.

DESIGNERS

Anne Nissanka Chamalka Shrimal Kaveesha Munasingha Harsha Lakshitha Sanjalee Herath Nayani Mudalige







PROJECT ADVISORS



ARCHT. SITHUMINI RATHNAMALALA HEAD OF THE DEPARTMENT



MRS. RUWANDIKA SENANAYAKE PROJECT COORDINATOR

STUDENT DESIGNERS

SANJALEE HERATH SASHEEN ATTANAYAKA CHAMALKA LIYANACHCHI janaajalee@gmail.com sasheen007@gmail.com chamalkasrimal@gmail.com CHAMARA SENEVIRATHNE TILAKSHI SALPADORU **RAHUMAN A.A** chamshu@gmail.com tilu.mc@gmail.com rahuman0327@gmail.com WARANA PABODA **UMANGI BIMSARA** OSHAN PREMATHILAKA haub2295@gmail.com waranapaboda@gmail.com rpdanoshan@gmail.com **RUWANTHI MEDAGODA RUVINI DHARMASENA** KURUPARAN T. ruwanthimedagoda@gmail.com kuruparanthamil94@gmail.com ruvini.thamasha@yahoo.com AYODYA DE ALWIS SA IFFWA MANAHARI SHEHANI MADUSHIKA ayodyadealwis@gmail.com rajapakshe.sajeewa@outlook.com shehani95@hotmail.fr YASHODHA KUMARAGE MINOLI FERNANDO **BHAGYA KURUPPU** bhagyaupamalikuruppu@gmail.com yashodhakumarage@gmail.com max.minoli4@gmail.com SITHUM UDARA THAMODA GEEGAMEGE ANNE NISSANKA

sithumen@gmail.com

tgeegamage@gmail.com

sashmika95@gmail.com

MALINDI JAYATHUNGA	SAJINI LANKADARI	SAMUDRA DE SILVA
malee027@gmail.com	gpsajinil@gmail.com	nipuni164@gmail.com
RAJIKA THILAKARATHNA	DESHAJA KULATHUNGE	SENUSHI FONSEKA
rajika36@gmail.com	dewapriya006@gmail.com	senufonseka@gmail.com
MANUJA KUMARA	HEYN M.R.	KAWEESHA MUNASINGHE
Manujayasintha@gmail.com	heynrifan@gmail.com	kawee601@gmail.com
SAMUDIKA LIYANAGE send2designer.samudika@gmail.com	HARSHA LAKSHITHA harshlewter@gmail.com	LAKMALI PERERA luckysp11@gmail.com
KAUSHALYA GUNASEKARA	KUGANESAN S.	UMESH THILAKARATHNE
hprkpgq395@gmail.com	kugan2594@gmail.com	amdurt95@gmail.com
NUWAN ALLEPOLA	CHANDIKA DILSHAN	GAYAN DE SILVA
Nuwanchandima.51@gmail.com	chandudilshan41@gmail.com	ruchiranga.gayan@gmail.com
SUPUN PATHIRAGE supunsanjaya1@gmail.com	NILUSHI FERNANDO nishisithara11@gmail.com	
NAYANI MUDALIGE nmmudalige94@gmail.com	THUSHARA NISHSHANKA nishshankat94@gmail.com	

ACKNOWLEDGEMENTS

- The project committee would like to acknowledge the precious contribution, for making this project endeavour a success.
- Prof. Ananda Jayawardene, Vice Chancellor, University of Moratuwa.
- Prof. Rahula Athalage, Deputy Vice Chancellor, University of Moratuwa.
- Prof. Lalith De Silva, Dean, Faculty of Architecture, University of Moratuwa.
- Archt. Sithumini Rathnamalala, Head, Department of Integrated Design, for all the enormous support and guidance given to us throughout the project.
- All the craftsmen and their families and the National Design Center for their valuable support with the craftsmanship.
- Senior Lecturer, Department of Integrated Design and the coordinator of the project; Ms. Ruwandika Senanayake, for the constant and massive support and guidance given to us till the end.
- Instructors Mr. Buddhika Rodrigo, Mr. Aaron Andree and Ms. Anushika Perera for the dedication to make the visual applications of the designs successful.
- All the academic staff of the Department of Integrated Design, Archt. Prasanna Pitigala Liyanage, Archt. Sagara Jayasinghe, Ms. Dilshani Ranasinghe, Ms. Inoka Samarasekara, Dr. Sumanthri Samarawickrama, Ms. Ruwani Rathnayake, Ms. Anushka Weragama and Mr. Udaya Wickramasinghe for helping in numerous ways for making this project a reality.
- Mr. Prabhath Jayarathna, who gave us continuous support and advice whenever we needed.
- Photo Credits Archt. Sithumini Rathnamalala, Gimhan Sapugaskanda of Level Four and Vikasitha Anumewan of Level Three.

- Ms. Mihiri De Silva, Ms. Nimanthi Aariyasinghe, Mr. Suranjith Swaris, Mr. Heminda Jayaweera, Mr. Kasun Thennakoon, Mr. Saman Senanayake, Mr. Dharana Semasinghe, Mr. Ranga Weerasinghe, Ms. Ruchira Dassanayake, Ms. Lakruwani Wimalaratne, Ms. Vijani Bulumulla, Mr. Sameera Ratnayake, Mr. Dilina Janadith, Mr. Rangana Chandrasena and all the external tutors and critique examiners for the generous advices.
- Ms. Hasini Goonesekara, for the generosity in extending her expertise in make-up artistry for the final show.
- All the companies that let us work with them and allowed us to present our design innovations.
- The Level Four, Level Three students for their support and guidance in photography and visual applications, make-up artistry, modeling and in many other ways and the Level One students of the Department of Integrated Design for their enormous contribution and encouragement in numerous ways.
- All the non-academic staff of the Department of Integrated Design; Mr. P.L. Samarawickrama, Ms. Kanchana Kumari, Mr. G.H.D.S. Kumara, Mr. M.N.R. De Zoysa, Mr. J.M.S.I. Jayasekara, Mr. L.I.D. Wickramathilaka, Ms. A.A.P.N. Chandrarathna, Mr. H.R.C. Soysa, Mr. K.M.R.W. Wickramasinghe, Mr. R.P.H. Pradeep Kumara, Mr. A.C.S. Senarathna and Mrs. W.T.S. Botejue for their patient assistance.
- Level two students of Department of Integrated Design for the utmost amount of courage and dedication for making the project a success
- We extend our deepest gratitude out to all those whose names could not be mentioned but helped in numerous ways.



