

Универзитет Св. "Кирил и Методиј" Машински факултет - Скопје



Одбрани проекти по предметот:

ПРОИЗВОДИ ОД ПЛАСТИКА

Учебна година:

2020-2021

Предметен наставник: Вонр. проф. д-р. Иле Мирчески

Студент тутор: Димитриј Георгиевски

Проект бр. 1: Изработка на калапно гнездо

CORE & CAVITY DESIGN

Plastic Injection Modeling



POPPING CHAMBER

Students: Tamara Krsteva 2403 and Kristina Hristova 2404

Course: Design with Plastics Leader: Prof.Dr Ile Mirceski School year : 2019/2020

"Ss. Cyril and Methodius" University in Skopje Faculty of Mechanical Engineering





CORE AND CAVITY MOLD DESIGN

Lemon squeezer

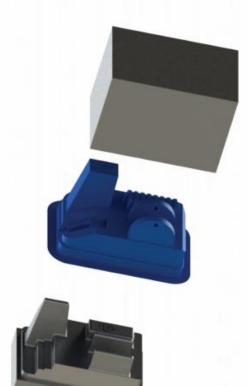
Toy-excavator cab

Lemon squeezer





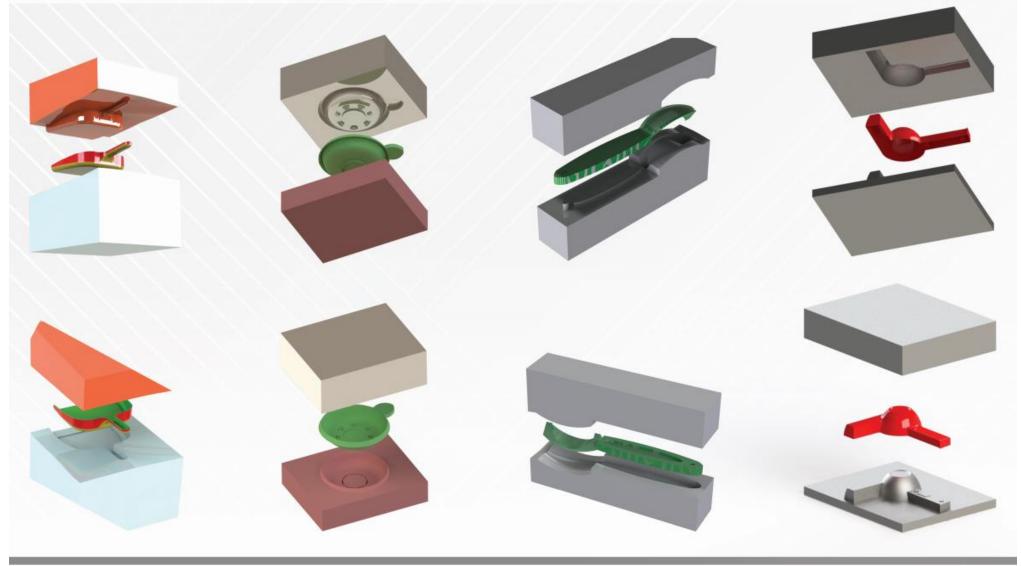


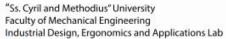






Core and cavity mold design













CORE AND CAVITY DESIGNS







CURE AND CAVITY

Plastic mold design



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Faculty of Mechanical Engineering
Industrial Design, Ergonomics and Applications Lab





Students: Kristina Racikjevikj2413
Angela Aleksova2386
Kostadina Todorovska 2384
Course: Design with Plastics
Leader: Prof. Dr. Ile Mirceski
School Year: 2020/2021

CORE AND CAVITY DESIGN Plastic mold





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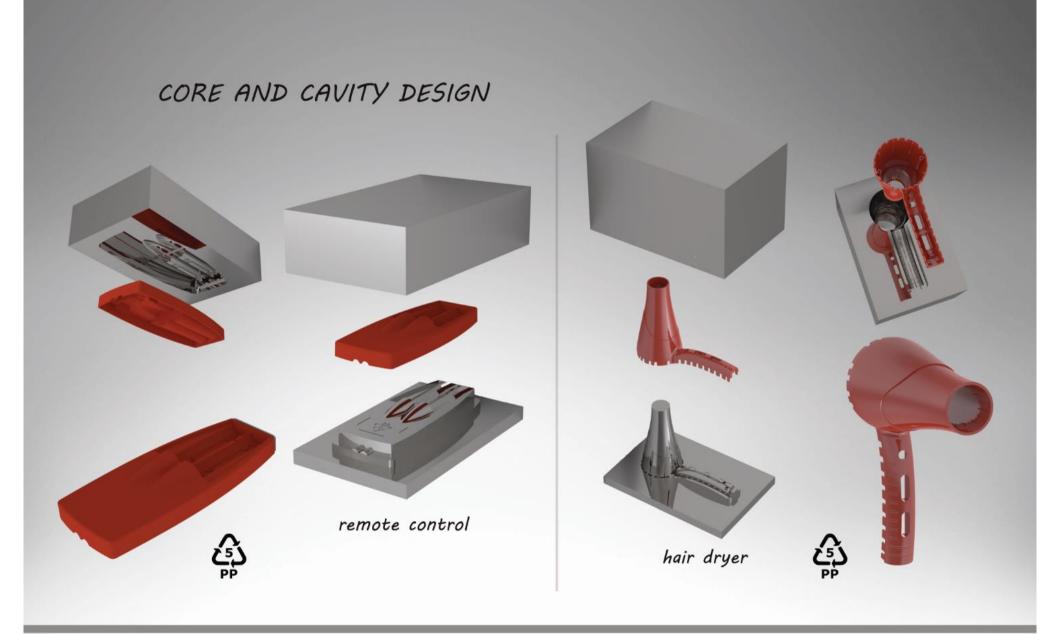






Skopje 2020

Student:Renata Arsova, Filip Kostencovski Course:Design with Plastics Leader:Prof.Dr.Ile Mircheski School year:2020/2021









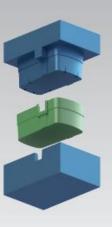




CORE AND CAVITY MOLD DESIGN

bosch battery pack





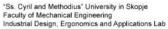


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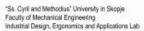
















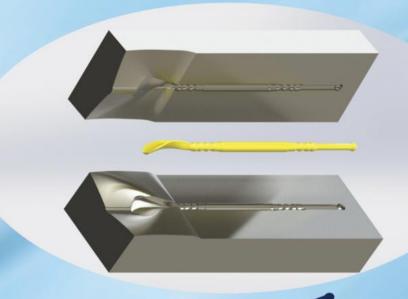




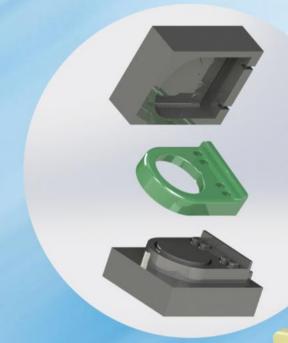
Student: Lea Jovichikj Ana-Marija Andonova Aleksandra Atanasova Course: Plastic Product Design Leader: Prof.Dr. Ile Mirceski School Year: 2020/2021

CORE AND CAVITY DESIGN

Plastic Injection Molding







TOOTHBRUSH HOLDER

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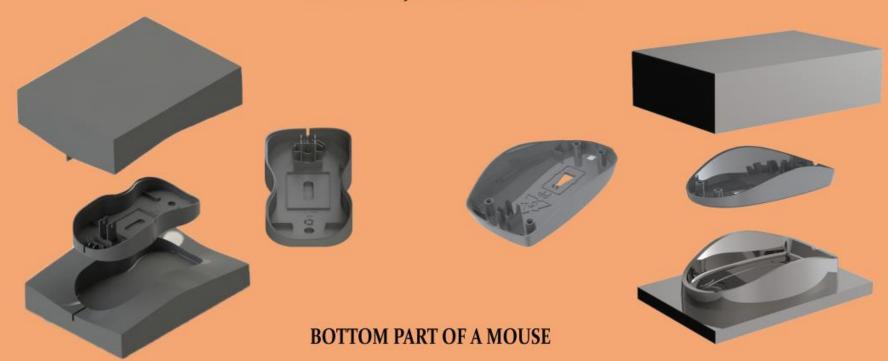






CORE & CAVITY DESIGN

PLASTIC INJETCION MODELING



Design is a visual look or a shape given to a certain object, in order to make it more attractive, make it more comfortable or to improve another characteristic.

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Students: Marija Nikolovska 2402

& Sara Manasieva 2417

Course: Design With Plastics Leader: Prof. Dr. Ile Mircheski

School Year: 2021-2021

Цедалка Цедалка за лимон







Направете вкусни и освежителни пијалоци за вас и најблиските







ЛЕСЕН ЗА КОРИСТЕЊЕ И ЕДНОСТАВЕН ЗА МИЕЊЕ. ЦЕДАЛКАТА СЕ СОСТОИ ОД САМО 3 ДЕЛА











Проект бр. 2: Општа тема

Coffee Machine

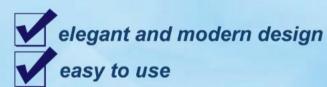
for all the coffee lovers out there



With this machine prepare a rich, full-bodied cup of espresso with the utmost simplicity or use the innovative Pannarello steam wand to froth milk to create creamy cappuccino and latte.











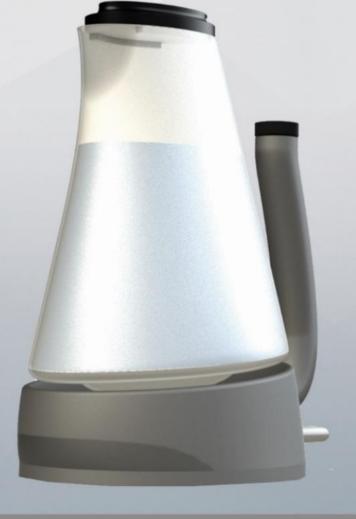


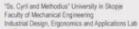


WATER HEATING KETTLE

Cooking utensil which is used most often to boil water for beverages made with additional ingredients that are best prepared with boiling water.







EASY TO USE



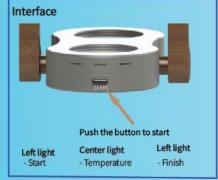


FILTER COFFEE ANYTIME IT'S TIME FOR COFFEE!











Do you wnat fresh filtered coffe?
You can have it with this device.
All you have to do is just to add
water and coffee in the filter.
This coffee machine is for
household usage.



THE EYE



FRUIT POWER JUICER











THE JUICER HAS A CAPACITY OF 0.8 LITRES. IT'S DESIGNED TO BE SAFE FOR EVERY USER.



TWO WORKING SPEEDS



EASY WASHABLE



HIGH ROTATIONAL SPEED

THE IDEA OF THIS CONCEPT JUICER IS TO BE FAST, EFFICIENT, SAFE AND EASY TO USE.

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200W POWER









Skopje 2020

Student: Kristijan Miloshevski Course: Design with Plastics Leader: Assoc. Prof. Dr. Ile Mircheski School Year: 2020/2021

DARBLE CHAIR MODERN CHAIR MADE OF PLASTIC AND STAINLESS STEEL





PLASTIC

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FACULTY OF MECHANICAL ENGINEERING
INDUSTRIAL DESIGN, ERGONOMICS AND APPLICATIONS LAB

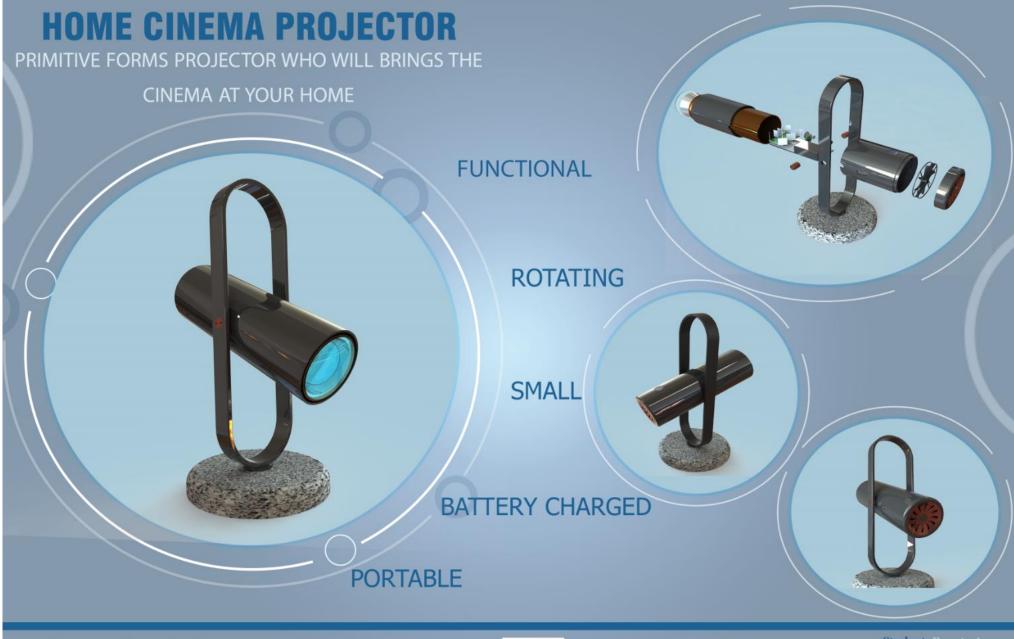










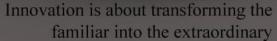




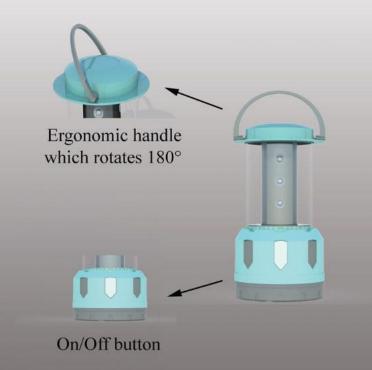


Led lamp Light up the darkness









Inspired from Blobject's & Origami's playfulness

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SHARPY BALL

ELECTRIC KNIVES SHARPENER





SHARPY BALL IS ELECTRIC KNIVES SHARPENER
FOR EASY AND PRECISELY SHARPENING OF KITCHEN KNIVES.
IT IS EVERYDAY KITCHEN APPLIANCE FOR ANYONE WITH
A PASSION FOR COOKING.

EXPLODED VIEW

"SS. CYRIL AND METHODIUS" UNIVERSITY IN SKOPJE FACULTY OF MECHANICAL ENGINEERING INDUSTRIAL DESIGN, ERGONOMICS AND APPLICATIONS LAD





STUDENT: LEA JOVICHIKJ COURSE: DESIGN WITH PLASTICS LEADER: PROF. ILE MIRCEVSKI SCHOOL YEAR: 2020/2021

EXPLODED VIEW

HEXO

small hexagonal bluetooth speaker





HEXO is a very unique hexagonal bluetooth speaker which allows you to enjoy music at any occasion, anytime. Its small and compact for transportation, you can take it wherever you want with you. Let the sounds you love fill the room you live in.



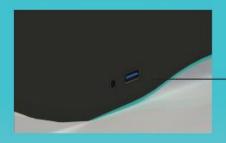




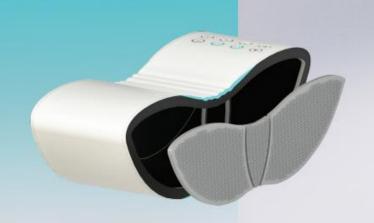
On off button Bluetooth Ambient light button Volume buttons Play buttons

Papillon

led bluetooth speaker



Audio cable Input USB Type C device charging





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Student: Iva Petrova 2131 Course: Plastic Products Leader: Prof.lle Mircheski School Year: 2020/2021

BLUCTAGON

adjustable headphones











Bluctagon are headphones for those who love to make music come to life. Its design and the ability do adapt makes them suitable for all users.

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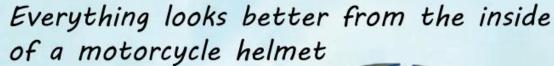






THE LIGHTNING BOLT

Let the lights guide you







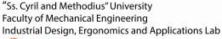




















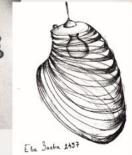
Minimalistic Elegant Wall lamp

Luxary design adopts minimalistic forms and elegant shapes inspired by curve shaped structure



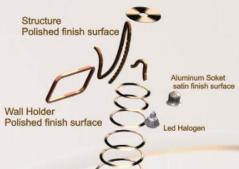








A World of design!!
A pure example of modern technology and standards inpired by elegant siplicity mixed with chaos.





Elliptical shapes from recyclable acrilic glass



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Concepts









Student: Eva Zaeva - 2457 Course: Design with Plastics Leader: Prof.Dr. Ile Mircevski School Year: 2020/2021

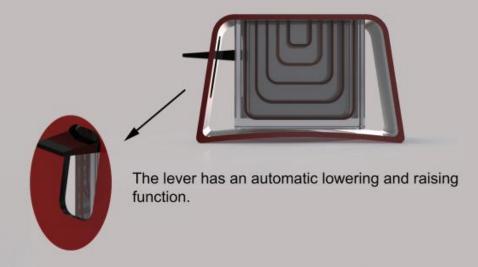
TOASTER

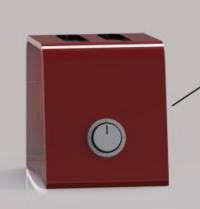
Do you want delicious bread slices?



It's transparent toaster for two bread slices that allows you to see the toasting process.

The product is designed in Spatial Reinterpretation.







Browning control sets desired toast color from light to dark.

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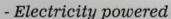






Vegetable/fruit chopper



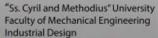


- Can be used at home or restaurants
- Easy to chop (just plug it in)
- There's a measurer for the weight of the products you place

















SPHEROC ORD

freedom through rotation

A redesign of the standard and boring extension cord into a unique design.



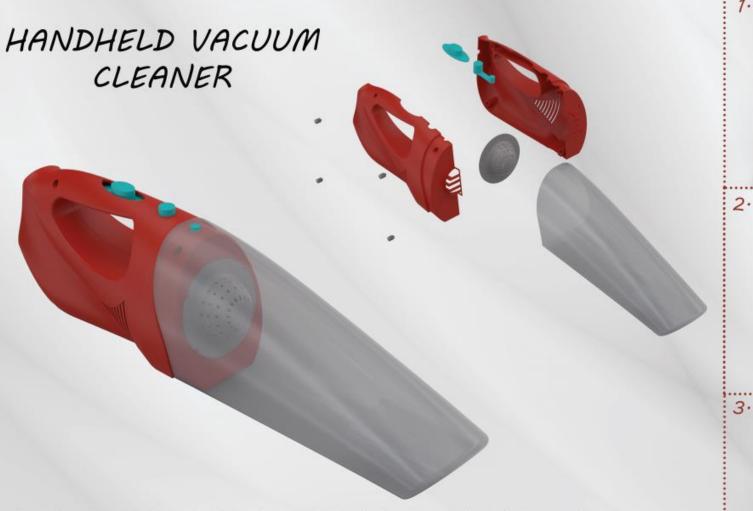
When not in use, the spherical outlets can be removed for safety.

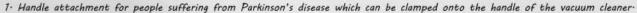


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^{2.} Handle attachment for elderly people or people who can't bend over which can be clamped onto the handle of the vacuum cleaner.

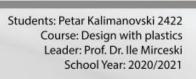
⁻ There's an on/off switch on the top of the handle of the device.









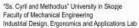


^{3.} A brush for easier use of the device.

⁻ The transparent waste collector can be manually removed with minimum efforts by pressing the cylindrical button on the top of the vacuum cleaner allowing cleaning or removing of the filter from the device-

⁻ The vacuum cleaner is battery operated. The battery is rechargable.









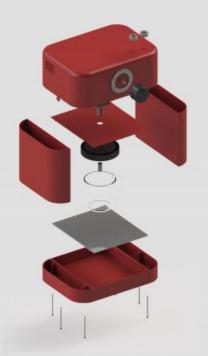


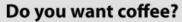


COFFEE MACHINE

It's time for coffee!







Now it's fast, easy and efficient!

First step: Turn the front knob to the desired heat of the coffee.

Second step: Press one of the two buttons. (Do you want long

or short coffee?)

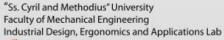
And...

In just a few minutes you get the desired coffee.









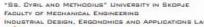








MODLTER MODULAR GAME CONTROLLER GAME FIRE A HIGHLY ADAPTABLE GAMING CONTROLLER FOR THE ULTIMATE GAMING EXPERIENCES. THIS CONTROLLER HAS TWO PLAYING MODES. THE MAIN GAME FORM AND SECOND FIRE FORM.







STUDENT: ANGELA BASHESKA COURSE: DESIGN WITH PLASTICS LEADER: PROF. ILE MIRCHESKI, PHD SCHOOL YEAR: 2020/2021

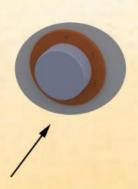
ELECTRIC CITRUS JUICER

It's time for fresh orange juice for whole family "Natural orange juice a day keeps the doctor away"





- 1. Modern design
 - 2. Easy to use
- 3. Easy disassembly and cleaning
 - 4. Three adjustment speeds



Speed adjustment button

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Industrial Design, Ergonomics and Applications Lab







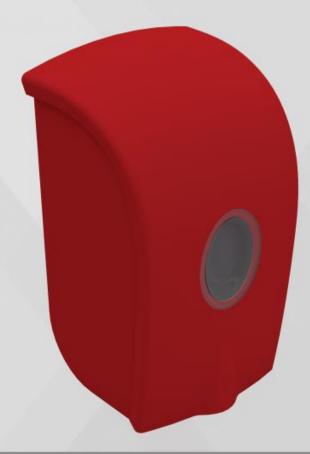


Push the cover up to open the dispenser effortlessly





AUTOMAT9C SOAP DISPENSER

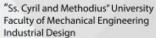






Holes for mounting the device on a wall

- Modern design
- The device is battery operated with a rechargable battery Can find its most practical use for bathroom stalls in crowded areas, such as the malls
- Easy for use and touch free



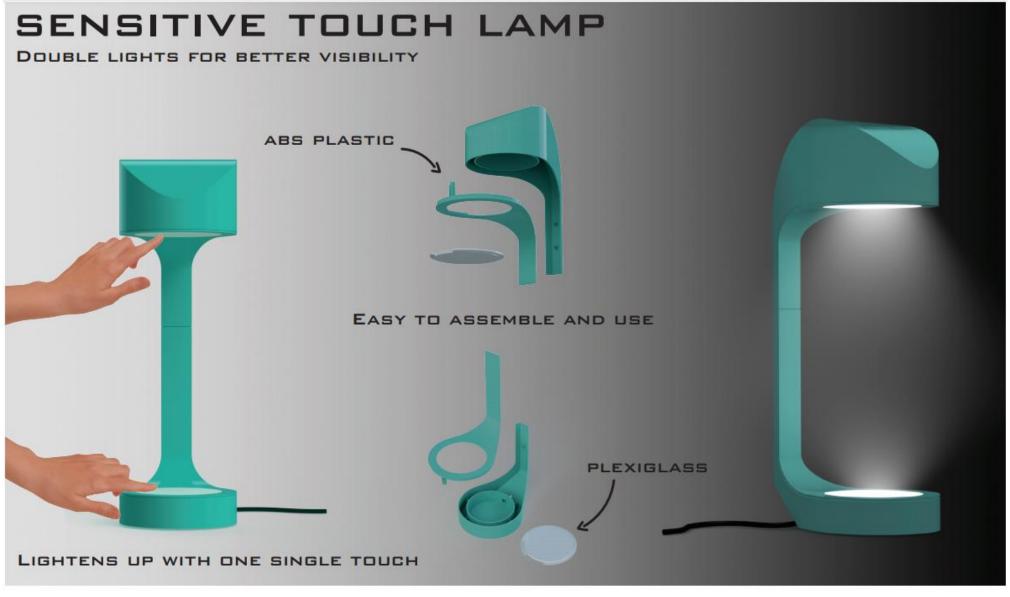








Students: Ana Gajdova 2444 Course: Design with plastics Leader: Prof. Dr. Ile Mirceski School Year: 2020/2021



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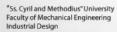




Student: Filip Kostencovski Course: Design with Plastics Leader: Prof. Dr. Ile Mircheski

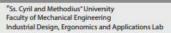
School year: 2020/2021

















FLOW

PORTABLE WIRELESS SPEAKER

THE FLOW SPEAKER PLAYS LOUDER THAN ITS DIMINUTIVE SOUND SUGGESTS AND IT OFFERS A LIGHT SHOW THAT ACTUALLY REACTS TO YOUR MUSIC. IT HAS EXCELLENT AUDIO PERFORMANCE WITH BALANCED SOUND AND IT LASTS INCREDIBLE 20+ HOURS OF PLAYTIME AT MEDIUM VOLUME.



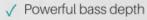


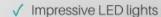






√ Attractive design





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Student: Dushica Pavloska 2090 Course: Plastic Products Design Leader: Prof. Dr. Ile Mircheski School Year: 2020/2021

the DETERGREEN

simple and ergonomic design for a laundry detergent product PET bottle made of recycled plastic eco-friendly







Rose" Desk Lamp

Simple. Light. Elegant.



Your to-dos become ta-das. Shine a light on your daily task list with this stylish desk lamp. It sure puts a modern touch in any room.

You can easily control this table lamp from your favorite armchair which provides a functional directed light.

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Student: Simona Simonovska Course: Design with Plastics Leader: Prof. Dr. Ile Mircheski School Year: 2020/2021

Turn on/ off button