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WINNER

<Brest State Technical University>		<01>
<i>Title of business idea</i>	Virtual me (ViM)	
<i>Team members</i>	Aliaksandra Kuptsova, Mikita Yushkin, Rychard Krasnou	
<i>General description</i>	<p>The essence of our Virtual I project is to create a virtual copy of myself in a mobile application. The user goes through the registration stage, after which he will be able to create "himself" (his avatar). At the stage of creating an avatar, several options for customization will be available (race, hairstyle, eyes, physique ...). Also, several styles of avatar location will be offered. In the future, new locations will be available when purchasing goods partners.</p> <p>Thus, the user spending money on his own needs will develop his character. Also, people using this application will be able to experience a new experience by associating themselves with their avatar, as actions in real life will directly affect it. Partner companies, in turn, will be able to promote their product more efficiently.</p>	
<i>Novelty of the idea</i>	The symbiosis of virtual and real self	
<i>Customer segment</i>	Companies / Consumers (B2B/B2C)	

FINALISTS

< Brest State Technical University>		<02>
<i>Title of business idea</i>	Virtual fitting(VF)	
<i>Team members</i>	Andrei Satc, Anna Driapko, Tatsiana Demchuk	
<i>General description</i>	<p>A large number of people prefer online shopping. But there are those who are afraid to shop online. This is especially true of clothing. People are afraid that the selected item will not fit in size, it will look bad on the figure.</p> <p>We came up with an idea, by implementing which we can save people from such fears.</p> <p>Each online clothing store will have a virtual 3D model that will be built according to the parameters of the buyer (height, chest circumference, hip circumference, waist circumference, etc.). This piece of clothing will be worn on the virtual model chosen by the buyer (not necessarily one), so that he can evaluate how the wardrobe item will look on his figure.</p>	
<i>Novelty of the idea</i>	<p>We offer a new concept of clothing selection.</p> <p>With its help, the problem of fear will be solved, making a purchase of clothes on the Internet. As well as the problem of returning goods back to the store.</p>	
<i>Customer segment</i>	All people shopping in online stores.	

< Brest State Technical University >		<03>
<i>Title of business idea</i>	Student card (All In One)	
<i>Team members</i>	Vlada Vodianova, Polina Lisovskaya, Zakhar Pilipuk	
<i>General description</i>	<p>Our project is aimed at optimizing the “student enrollment”: we propose to get rid of a pile of plastic cards in students' wallets / pockets and combine all possible cards into one.</p> <p>Such a student card (plastic card) can combine several items needed by the student:</p> <ol style="list-style-type: none"> 1. Actually, the student ID itself, of international standard; 2. A chip card for admission to university building buildings and a hostel; 3. Contactless bank card for payment transactions; 4. A card that entitles you to receive various discounts. 5. Library card <p>A student card can help modernize many systems in education, since it is applicable not only to universities. So, for example, it will be easy to implement automated control of attendance or residence in a hostel with ease.</p>	
<i>Novelty of the idea</i>	The COP will have a modern design and will become a convenient replacement for the "pile" of plastic cards.	
<i>Customer segment</i>	Any educational institutions and their students.	

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OTHER PARTICIPANTS

< Brest State Technical University >		<04>
<i>Title of business idea</i>	Chess robot(Chebot)	
<i>Team members</i>	Artsiom Skaruba, Alakayeu Sergey, Aleksey Redko	
<i>General description</i>	<p>Creation of innovative educational robots on the example of a chess robot. Chess robot will be able to say that will allow explaining the chess rules. So robot can be a chess game opponent. It will attract new students and make learning process more interesting. Robot teacher makes learning independent from human teacher.</p>	
<i>Novelty of the idea</i>	Innovative approach to learning based on robot teacher.	
<i>Customer segment</i>	People, who want to learn something. Chess in this case.	

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<i>Title of business idea</i>	vacurity	
<i>Team members</i>	Daniil Kabachuk, Anastasia Kovaliova, Ilya Kulinkovich	
<i>General description</i>	<p>In its normal state, vacurity is an ordinary robot vacuum cleaner that helps you keep your home clean, but at the same time it is also a powerful security device that protects you and your home from unwanted guests thanks to a number of sensors for face recognition and detection sound and movement when you are not at home. In the event that something unexpected is found, you will be immediately notified and receive a guest photo through the application, which will allow you to respond accordingly. An additional package of options may include automatic police call and guest attack system.</p>	



<i>Novelty of the idea</i>	The novelty of our business idea is to popularize and increase accessibility to housing security systems, as well as to increase security by adding an element of surprise, since a robot vacuum cleaner is usually not suspicious.
<i>Customer segment</i>	Our customers are ordinary people who cannot afford a classic alarm system, but fear for their housing. Such an application may gain popularity in developing countries.

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<i>Title of business idea</i>	Eco-friendly Movement(EFM)	
<i>Team members</i>	Artsiom Protasevich, Anna Driapko, Dzmitri Mendel	
<i>General description</i>	The idea is to implement on large highways a system forcing air masses to move along vehicles at a speed equal to or higher than the permissible speed on the motorway, thereby allowing cars to move almost without air mass resistance, which will reduce fuel consumption, which means and [CO] ^ 2 emissions. This can be realized by installing a certain fence along the edges of the strips, which can prevent lateral wind manifestations and effectively direct air flows in the traffic lanes. As well as vertical windmills above the fence (built into the fence) on the dividing strip of oncoming flows and the edges of the strips. Windmills under the influence of wind will spin up and make air streams move in strips. If excess energy remains during the operation of windmills, it can be used to generate electricity.	
<i>Novelty of the idea</i>	There are no more such ideas	
<i>Customer segment</i>	Motorists	

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<i>Title of business idea</i>	Visi-band	
<i>Team members</i>	Renata Gavriliuk, Valeryja Ovseichuk,	
<i>General description</i>	The business idea is to develop, manufacture and distribute a Visi-band device for helping people with disabilities. Also in the Visi-band is a GPS navigator with a set of accurate maps of the area. Automatically determines the location of a person at every moment in time, and if a person enters the roadway, gets off the road, etc., a vibration and / or sound signal is triggered. Along the traffic lights, the main roads in the city, devices are installed that will send data on the boundaries of the pedestrian crossing, the Visi-band carriageway when approaching them, which will avoid accidents and accidents. In the event of any incident, the user can call the rescue service. The Visi-band device will send location data. Visi-band is one or two bracelets depending on the version with a built-in space scanner that recognizes nearby objects within a radius of several meters. Possible modifications to Visi-band: 1) device for people with disabilities with hearing impairment: one	

	<p>bracelet with a standard set of built-in devices, emits only vibration signals.</p> <p>2) device for people with disabilities without hearing impairment: it emits both sound and vibration signals, controlled by voice input.</p> <p>3) device for people with disabilities with visual impairments: 2 bracelets (depending on the location of the barrier, road, etc. the bracelet vibrates on the right or left hand), it is controlled by voice input.</p>
<i>Novelty of the idea</i>	The novelty of our business idea in the absence of such compact, user-friendly analogues. Virtual canes that are being developed in the world are bulky and less mobile. And applications for smartphones (in Belarus it is Navigator) are less relevant, since a smartphone is not a thing of first necessity for a person with visual, hearing and speech impairments.
<i>Customer segment</i>	Our clients are people with disabilities. The device is designed to help people with visual and hearing impairments.

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<i>Title of business idea</i>	Second reality (Sreal)
<i>Team members</i>	Dmitriy Fedoruk
<i>General description</i>	<p>Virtual reality glasses and helmets have existed for a long time, but all of them have a number of disadvantages:</p> <ul style="list-style-type: none"> • User is limited to room limits • He, interacting with the virtual world, is still in the real one (he may get damaged or even die) • Feelings are still very far from real <p>But my idea can solve all these shortcomings. Thanks to the knowledge about the brain, scientists can now determine by the nerve impulse (its frequency, shape, type) where this impulse is going, and what kind of signal it sends to the body. Using this technology, you can simulate an artificial body of a person in virtual reality (now it is full of technologies and designers that allow you to perfectly customize the avatar (the image of a person in the virtual world) or even create something according to your preferences). Already now there are virtual worlds that are not inferior in elaboration to the real. And, wearing a special helmet (which will scan nerve impulses), a person, for example, wanting to move his hand, will move the character's hand in the virtual world.</p> <p>Why can you use this. Well, firstly, computer games immediately come to mind, however, this is not the only application. Online excursions around the world (according to its modeled copy) will even allow people who are contraindicated in real life to travel. It will be possible to give online lessons, show historical events and much more.</p>
<i>Novelty of the idea</i>	Such technology now exists only in works of art, and I propose to realize it.
<i>Customer segment</i>	People of all ages



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<i>Title of business idea</i>	WIRELESS ELECTRIC DEVICES (WED)	
<i>Team members</i>	Anastasia Kolyiachko, Natalia Mikhaileuskaja	
<i>General description</i>	<p>To date, the world has implemented many ideas that simplify human life.</p> <p>We decided to offer you our idea.</p> <p>In everyday life, a person meets with a large number of electrical appliances for which a power source is needed. It is about connecting the source through a wire. This limits you in moving. We suggest replacing inconvenient wires with a remote connection. Just imagine how our technology will make your life easier.</p> <p>Our mechanism will allow the use of electrical appliances away from the outlet.</p>	
<i>Novelty of the idea</i>	The novelty of our idea is to simplify the use of an electric device by replacing a wire with a device that allows you to work remotely from a power source.	
<i>Customer segment</i>	Our client can be anyone who is tired of messing around with wires.	

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<i>Title of business idea</i>	Everything at hand	
<i>Team members</i>	Andrei Khutortsou, Yuriy Kutsun, Mikita Tkach	
<i>General description</i>	<p>The essence of the concept “Everything is at hand” is to use a multifunctional chip implanted into the human body to simplify and combine the interfaces of interaction of means of a “smart home”.</p> <p>This module will combine the connection modules: NFC and Bluetooth modules; as well as control sensors; tilt / motion sensor, tactile sensors allowing you to give commands through gestures.</p> <p>The battery will be charged by wireless charging. To implement compatibility with external smart home devices, software on a mobile device will be used. Also, the reprogramming of our module will be done through this software.</p>	
<i>Novelty of the idea</i>	A feature of our device from similar devices on the market is its versatility due to the programmability of the module, high flexibility, and optimization of the power consumption of the module. As well as flexible compatibility with external devices by creating flexible and open embedment interfaces.	
<i>Customer segment</i>	People interested in conveniently managing a “smart home”	

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<i>Title of business idea</i>	Data Geneticae Bank (DGBank)	
<i>Team members</i>	Aliaksei Pozdniakov, Youlia Mikhalchuk	
<i>General description</i>	<p>This idea is to build a genetic data bank. Such a bank will have its own gene database. The database will include genetic information taken from human biological fluids. In the future, information will be used to establish a pedigree, to identify the likelihood of developing genetically determined diseases, or to determine whether a person is a carrier of a genetically determined disease, without being ill with it, to identify the genetic incompatibility of partners. Biological</p>	



	<p>material will be taken on a voluntary basis, exclusively with personal consent, without violating human rights. It is easiest and most beneficial to take biomaterial and enter the human data gene into the database at birth. Based on this, the bank itself will have a maternity hospital that will relate specifically to this bank. Women will initially be observed in the antenatal clinic at this maternity hospital and will initially give their consent to the fact that the child will take biological materials directly at birth. In addition, it will be possible to hand over the material to any person (a minor only with the written consent of the parents and their personal presence). This can be either for the purpose of establishing paternity, or for the purpose of predicting the disease in the unborn child of the spouses, or for the purpose of identifying the genetic compatibility of the spouses, etc. Regardless of the reason for the delivery of biomaterial, with each new person the base will be replenished and it will be easier to restore the pedigree of a particular person. Anyone will be able to find out brief information about their relatives if information about them is unknown or lost.</p>
<i>Novelty of the idea</i>	<p>The novelty of this idea is, firstly, multifunctionality. Each of these problems can be solved individually, but not all in one place. Secondly, in a personal database, many people do various actions every day to solve issues related to genetic information, but this idea offers a single database that will allow solving problems in the future without collecting all the information again. Thirdly, the maternity hospital at the bank, this novelty will greatly simplify the work and improve its quality, leading to more significant results.</p>
<i>Customer segment</i>	<p>Clients of this idea can be all people, regardless of age, because Information can be taken from infants at birth with the consent of his parents, as well as from older people on their own initiative. Therefore, regardless of gender, age or nationality, people can become clients of this bank of genetic information.</p>

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<i>Title of business idea</i>	SOULS(SOL)
<i>Team members</i>	Putsykovich Alexander, Sabo Evgeniy, Krasko David
<i>General description</i>	<p>I, like many, probably, do not like to stand in line for coupons in the hospital. I would like to book a doctor's appointment while sitting at home.</p> <p>We offer a coupon ordering service to any doctor.</p>
<i>Novelty of the idea</i>	<p>At the moment, I am observing such a service, but it is not convenient in that you have to go to the clinic anyway. We offer amenities!</p>
<i>Customer segment</i>	All peoples

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<i>Title of business idea</i>	New level of communication (NL OC)
<i>Team members</i>	Fedoruk Dmitriy
<i>General description</i>	Nowadays, when communication in the social. Networks are just as



	<p>important as live communication. And, when meeting a new person, first of all, we are not interested in the phone number, but on the link to the page. The technology of the QR code has appeared, which is already used to pay for travel, in profiles or information leaflets of companies. It's hard not to agree that almost every modern person leaves home with a phone in his pocket. Many of them also have permanent Internet access, and for the rest there are free access points. So what is my idea? You can do the production and sale of key chains. They can be of different shapes and sizes, but all of them will have one feature - the presence of a small screen with a QR code, which can be used in many directions. For example: links to profiles in social. networks to facilitate communication; links to electronic business cards; links to company websites; even links to social. polls or stocks. There are many applications. At the same time, QR codes on the key fobs can be rewritten, and some key fobs can store several QR codes at once, between which you can switch.</p>
<i>Novelty of the idea</i>	Nobody has implemented this yet.
<i>Customer segment</i>	People aged 14 to 35 years, actively using social services. networks

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<i>Title of business idea</i>	Contactless checkout service (CCS)
<i>Team members</i>	Aliaksandra Kuptsova, Mikita Yushkin, Vlad Titov
<i>General description</i>	<p>The main idea of our project is to create an application that will allow the restaurant business to work in a new format. The essence of this format is that visitors can make orders without contacting the maintenance staff. In restaurants that will use this idea, visitors can scan the QR code, which is placed on the table, and then go to a site where they can select the desired dishes. In case the visitor has a problem with the choice, he can pass a mini-test with leading questions that will help with the solution. Upon completion of the order, the screen will display the order value and payment methods (card, cash, etc.). Then you have to wait until they bring the order.</p>
<i>Novelty of the idea</i>	People who feel pressure from the staff will be able to feel more comfortable in such establishments.
<i>Customer segment</i>	The owners of the restaurant business.

