

WINNER

NPUA, Physics and Mathematics Specialized School after A.Shahinyan		< 1 >
<i>Title of business idea</i>	InvestigatoRobot	
<i>Team members</i>	Artur Hakobyan, Andranik Voskanyan and Yervand Terteryan	
<i>General description</i>	<p>The InvistigatoRobot is an automatic self-propelled device, which is able to move autonomously along three-dimensional pipelines. It is aimed to find solutions for the following global technological challenges:</p> <ol style="list-style-type: none"> 1.Exploration, study or inspection of spaces with unknown topology; 2. Movement on surfaces with unknown morphology; 3. Exploration of confined or damaged pipelines, shafts, caves, catacombs, hollows. <p>Device draws the trajectory in which it moves.</p>	
<i>Novelty of the idea</i>	<ol style="list-style-type: none"> 1. Flexible design allowing movement in pipes of various sizes and geometry 2. Automated self-propelled device 3. Can accurately determine the location of pipeline damage 	
<i>Customer segment</i>	<ol style="list-style-type: none"> 1. Sewage treatment companies 2. Gas and oil pipeline companies 3. Water pipeline companies 	

FINALISTS

NPUA, Yerevan State Medical University		< 2 >
<i>Title of business idea</i>	Myoelectric bionic hand	
<i>Team members</i>	Marina Davtyan, Zaven Khanamiryan, Lusine Hovhannisyan	
<i>General description</i>	<p>ArmBionics project aims to develop rehabilitation systems for the people who have lost their limb or limb control. There are thousands of people with upper limb amputation in our region, and there is a need for high-quality limb prosthetics is to them. The goal of our project is to improve the quality of affordable limb prosthetics, especially for low-income countries which suffer from war and natural disasters. In our team, we combine biomedical knowledge, engineering, and computer science.</p> <p>Our goal is to achieve realistic solutions taking advantage of the deep understanding of movements biomechanics. According to Eurostat, about 7 million people have upper limb disability and an only small part of them could regain the functionality via prosthetic.</p>	
<i>Novelty of the idea</i>	<p>Not only the high price of the available prosthetic is an issue, people often abandon using prosthetic because of their high weight, low functionality, and even bad appearance. We solve this problem via the following four steps: diagnosis, design, manufacturing, and training. Our advantages include fine customization of each prosthetic according to the person need and the following training to improve functionality and user experience. We can control</p>	



<p><i>Customer segment</i></p>	<p>prosthetic via signals from the brain (EEG) or from the muscles (EMG).</p> <p>Our target market is the medical institutions, rehabilitation centers, military hospitals, private health insurance companies, national social insurance, funds, and NGOs for the rehabilitation of disabled people, and the patients with limb disability. We will start from the local Armenian market and will advertise our success stories via social media. After selling our first products, creating success stories, getting our first income, the great reputation, and affirming our position in the local market, we will proceed to the international market. The consumer will pay for our product as it does not only have the best quality to price ratio in the market but also supports the best consumer support by medical doctors who also deeply understand the mechanisms of device work and disadvantages. Having patients feedback and understanding the problem from the engineering point of view, we will be able to directly fix it according to their needs analogically with disease diagnosis and treatment.</p>
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<p><i>Title of business idea</i></p>	<p>ThreeSmart</p>
<p><i>Team members</i></p>	<p>Davit Danielyan, Mkrtych Harutyunyan, Zaven Khanamiryan</p>
<p><i>General description</i></p>	<p>Most of the time traveling can be inconvenient and unfavorable. For women, children and old people it is usually hard and uncomfortable to carry heavy and big luggage, especially when there are small kids with them. Usually, we charge up our smartphones and gadgets in airports and that ends up in an accumulation or queue, so we have to wait in a line and waste time. There are cases, when travelers are unaware of the weight of their luggage which makes them to pay extra money. These are the problems that all the travelers are facing now in the airports and because of that they waste much energy, time and money making their traveling exhausting.</p> <p>So basically our main goal is getting from point "A" to point "B" in a better way. We made traveling easier with CartBot. It follows you without the need of controlling it and without any physical effort. Moreover, it has an automatic breaking system, so it prevents any collision. In fact, it is so easy to control that even a 5 years old can deal with it. The product has the function of charging up the phones, gadgets and other devices right from it on-the-go, so there is no need to stand in a line and waste your time waiting in order to charge them.</p>
<p><i>Novelty of the idea</i></p>	<p>As far as research has told us we are the first one in this format, there are other solutions available in the market, for instance smart luggage but we can't consider them as a full competitor. We offer a rental which is available for all of our customer segments.</p>
<p><i>Customer segment</i></p>	<p>Our target customers are anyone who travel despite their age, gender and use of technology. The number of travelers are continuously increasing, so the demand of our product will only be increasing year by year.</p>



	NPUA	< 4 >
<i>Title of business idea</i>	Heart Connectors	
<i>Team members</i>	Davtyan Inessa, Davoyan Anna, Piliposyan Elen	
<i>General description</i>	Imagine that you are in Europe and your sweetheart is in America. You want to remind him/her about your love. Heart Connectors are intended specially for you! You touch your lamp and his/her lamp lights up, so your sweetheart will understand that you think of him/her. The same happens when he/she thinks of you. The lamps are already constructed!	
<i>Novelty of the idea</i>	Heart Connectors work in all corners of the world. The light of the lamp symbolizes the warmth of your love and care.	
<i>Customer segment</i>	Customers are people who care about each other.	

	NPUA, Yerevan State University	< 5 >
<i>Title of business idea</i>	Pubme	
<i>Team members</i>	Robert Hovhannisyan, Edvin Grigoryan, Inga Abovyan	
<i>General description</i>	Why do people go to a cafe and leave after a minute without ordering anything, we asked this question and found the answer. Often people leave cafes / pubs / restaurants because 1) they see that there are a lot of people in this place and there is very noisy. 2) they don't like the event that is happening now in this place, 3) they think they don't have enough money for this place. We are solving this problem by creating an application that will find the perfect place specially for you. The application will show you 1) what restaurants / pubs / cafes around you and how much space is available - which will save your time, 2) what event is happening there and what genre of music is playing at the moment - which will correspond to your preferences, 3) the online menu of each restaurant / pub / cafe - which will help you control your finances.	
<i>Novelty of the idea</i>	We present a new way to motivate people to go to restaurants / pubs / cafes by creating reward and gift system in our app. With this feature you can send your friend gifts from this cafe and then he/she gets a notification from our app which says that he/she has gift in that cafe which is valid for 2 weeks. Sending gifts gives you discounts in this cafe for the next time.	
<i>Customer segment</i>	People who like to have a good time with friends in places like a pub / cafe / bar / restaurant. And they do not want to waste time searching for events and places.	

	NPUA	< 6 >
<i>Title of business idea</i>	Ocean and river plastic cleaner	
<i>Team members</i>	Meri Arzumanyan, Vardush Bulghadaryan, Karen Badalayn	
<i>General description</i>	Collaborating with the relevant industry, we will make pipes that will coincide with our requirements. As the pipes mainly works automatically we will not need big stuff,	



	<p>which is beneficial for a beginner entrepreneur. There will be 2 types of pipes. The first one will be used for oceans. The second one will be used for rivers. Mainly we will work with the second pipe, as the oceans are mainly polluted by rivers. As our program gives a solution of many countries, the location of our office is not important. Mainly we will cooperate with our customers by other ways of communication. After cleaning the river or the ocean from plastic, the pipe will collect all the plastic and we will sell it to organizations that recycle the plastic. And in this way we receive profit from two sides</p> <ol style="list-style-type: none"> 1. by cleaning the oceans and rivers by pipes 2. by selling the raw material <p>Our advantage is that we don't have competitors in world-market. To sale our service</p> <ul style="list-style-type: none"> • advertise our project by internet • creating web-site • creating a facebook page • creating visit-cards and billboards over the world. • participation in ecological forums and conferences. • Connect with ecological organizations • Connecting with the organizations who recycle plastic.
<i>Novelty of the idea</i>	It gives a solution to problems, that haven't found its solutions and it receives profit from 2 sides.
<i>Customer segment</i>	Ecologists, government, beach owners.

NPUA

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<i>Title of business idea</i>	ComfCup
<i>Team members</i>	Ani Shakhkryan, Siranush Sargsyan, Razmik Ghazaryan
<i>General description</i>	<p>We represent you a clever cup which will be amazing for everyone. You will be able to control it simply by your smartphone. It gives you information about the quantity and temperature of the liquid. You can increase the temperature of the liquid you want by using application. It consists of basic cup and pedestal. You can charge it with electricity or solar energy. It can be connected with WIFI. Pedestal can be used to charge the phone.</p> <p>Application- The user can choose from the modes which help to make the required drink. The cup will make tea or coffee as soon as the user arrives home and will inform him/her how much he/she must drink (based on standards). Tea or coffee can be made based on the alarm, it'll help you to remember about the important events and days. By using app, you can make tea/coffee/other. It will give you a list of available variants. By using GPS, you will be informed where it is. It will became your best friend because of it's unique and amazing abilities that we mentioned, and the ones that we keep in secret for surprise.</p>
<i>Novelty of the idea</i>	We offer you a modern and multifunctional smart cup, which has no analogs so far.
<i>Customer segment</i>	Every human who wants his cup of warm tea or coffee at any time.



NPUA, Yerevan State Medical University		< 8 >
<i>Title of business idea</i>	"Fast Aid" ambulance electronic system	
<i>Team members</i>	Anna Avagyan, Kristine Khachatryan, Narek Mnacakanyan	
<i>General description</i>	Our team proposes to create a new electronic ambulance call system called "Fast aid" which is designed to automate emergency medical care for the purpose of their operational functioning. The whole technological cycle of work, ranging from receiving and distributing calls to creating an electronic database and much more will be automatically adjusted, one of its main parts is the mobile application that will make an ambulance call faster, more simple, more available and will increase the efficiency of healthcare.	
<i>Novelty of the idea</i>	The novelty of our business Idea is automation of the ambulance service, which has no analogues in Armenia.	
<i>Customer segment</i>	Our customers are all people who needs an ambulance.	

NPUA		< 9 >
<i>Title of business idea</i>	Smart Modular Bicycle Station	
<i>Team members</i>	Razmik Soghomonyan, Vardges Avagyan, Vahagn Zakaryan	
<i>General description</i>	A small device intended for use on bicycles. The device will encompass set of functions, such as navigation, temperature and moisture indicator, power source for electronic devices, a flashlight and many more. The navigation will be realized by using a smartphone GPS module, which will report the data via Bluetooth. The information will be extracted from one of many navigators (e.g. Google maps), which will depend on a system being used. As the device will be modular and scalable, sale of its different blocks will also be possible. The main profit will be from the device itself but also from the sale of its modules. The design will be available for public on open source basis so the design will be improved and extended further much faster. We will not limit ourselves to this particular device and the open source design will make possible for us to get big community of customers which will have the option of getting support both from us and the rest of community. We plan on creating a platform for customers to communicate and share their ideas and reviews.	
<i>Novelty of the idea</i>	The device is innovation in the market and it's scalable.	
<i>Customer segment</i>	Mainly cyclers and generally people who use navigation systems in day-to-day life.	

NPUA		< 10 >
<i>Title of business idea</i>	Green World	
<i>Team members</i>	Tatevik Mkrтчyan, Gohar Mkrтчyan, Mushex Mkrтчyan	
<i>General description</i>	One of the most dangerous and quick developing problem is a plastic trash. It destroys the planet. Our idea is about the things we can do for solving this problem. We have another big problem, our forest becoming deserts increasingly. In the last century we cut the half of all the forests on the planet and the most part of it have been used for the paper production. Our idea is about to create a machine, which can cultivate the plastic, and then recreate plastic papers in size of books. Using plastic instead of paper will save the forests.	
<i>Novelty of the idea</i>	The idea of introducing innovation is based on the plastic recycling and the new direction of use, and the plastic will not harm the environment. It will help to the human race.	
<i>Customer segment</i>	All the educational institutions, universities, study centers and etc. will have the demand of this machine because the range of use is very wide!	

NPUA		< 11 >
<i>Title of business idea</i>	Mirror Stylist	
<i>Team members</i>	Davtyan Inessa, Davoyan Anna	
<i>General description</i>	<p>Girls and women often have problems with deciding what to put on. It is difficult to try on clothes combinations and creating images. It will also take much of our time. We even can forget which clothes we have.</p> <p>The Mirror Stylist has all your clothes in its memory and it even knows which weather you'll have.</p> <p>According to the weather and according to the place you are going to, Stylist creates images from your wardrobe. You can easily choose the image or create your own one.</p>	
<i>Novelty of the idea</i>	You don't get tired trying on hundreds of clothes and you also save your time.	
<i>Customer segment</i>	Everyone who wears clothes.	



OTHER PARTICIPANTS

NPUA, Physics and Mathematics Specialized School after A.Shahinyan		< 12 >
<i>Title of business idea</i>	Electricity From Sound	
<i>Team members</i>	Yervand Terteryan, Andranik Voskanyan, Artur Hakobyan	
<i>General description</i>	Device which produce electricity from sound. People need more and more energy every year, so we offer an alternative energy source. It will work everywhere. Our device can compile arbitrary shapes, so it easy and convenient to use. Device can regenerate spent energy with different results on different locations.	
<i>Novelty of the idea</i>	First device of its kind	
<i>Customer segment</i>	People who work in noisy places (airport, metro station, club and etc.)	

NPUA, Armenian State Pedagogical University		< 13 >
<i>Title of business idea</i>	Clever Mirror	
<i>Team members</i>	Yeraz Salmasyan, Erlin Qarimyan	
<i>General description</i>	Usually, it is hard for some people, for example, elderly, disabled or children to use a smartphone for uses other than calling I. It can serve as a calendar, mirror, alarm, reminder, clock, camera, weather forecaster, news reporter and many other things. In order to use those services, you need to go through different applications on your phone. What if we could see these functionalities integrated into one revolutionary technology. We represent the Clever Mirror. It is a smart mirror platform with a growing list of installable modules. Clever Mirror allows you to convert your hallway or bathroom mirror into your personal assistant.	
<i>Novelty of the idea</i>	After several hours of researches we discovered that this product needs some improvements such as taking selfies, reproducing every text into Armenian, and giving some color to the modules.	
<i>Customer segment</i>	Our target customers are the one's who prefer to make every minute of their life worthy and productive even while checking themselves in the mirror. Despite their age, gender, physical ability.	

NPUA		< 14 >
<i>Title of business idea</i>	3D MODA	
<i>Team members</i>	Knarik Vardanyan, Marieta Saqanyan, Valeri Hovhannisyan	
<i>General description</i>	<p>Our idea is to make people life easier. You will save your and surrounding people's time.</p> <p>It happened to you when you wanted to buy clothes and you bought it without trying it on you, but it was smaller or larger on you. On the other hand, you had to wait to try. Our new device will give you an opportunity to avoid all of this.</p> <p>The device has a touch screen, which will scan you after turning it on and display your 3D model on the screen. Afterwards, you can choose clothes having it on your 3D model. This will help you to make your choice to buy or not. The color of the clothes can be chosen from the existing options in the store. 3D model will help you to have a look from different side and have full understanding about the good you are going to buy.</p> <p>The goal of the project is to have faster and time saving shopping.</p>	
<i>Novelty of the idea</i>	Helps save time.	
<i>Customer segment</i>	All those who want.	

NPUA		< 15 >
<i>Title of business idea</i>	Aiship	
<i>Team members</i>	Gevorg Gevorgyan, Emil Arakelyan, Erik Margaryan	
<i>General description</i>	<p>The "Aiship" offers the consumer the delivery of goods in a fast and quality way. In difference, traditional delivery forms, the organization will carry out the delivery by "Aiship" drones which is ecological clean, small by sizes and less human factor.</p> <p>1) Who are the supporters? The organization will need to cooperate with the organization producing drones and to create a drone according to the delivery request. To cooperate with the product stores, and the restaurants, and with the similar companies too.</p> <p>2) What is a useful offer? It will give an opportunity to the product creating companies, to deliver the product to the customer quickly. As a marketing perspective it will create an advantage over the rival companies and will satisfy the developing world, as well as the fast customer service.</p> <p>3) Customer service communication The customer service communication will be implemented with a smartphone add-on, and will give a possibility to get the orders in a very short time.</p>	
<i>Novelty of the idea</i>	Innovative business idea is a new combination of modern technology and the traditional branches.	
<i>Customer segment</i>	<p>As long as the humanity exists, people will trade and the shipping companies will never stay unemployed</p> <p>© John Wheeler, European office manager of UPS</p>	

NPUA		< 16 >
<i>Title of business idea</i>	CAN	
<i>Team members</i>	Clara Poghosyan, Zhora Amiryan, Ani Tadevosyan	
<i>General description</i>	<p>We present an educational program that will help young people to find work with their profession.</p> <p>That's how we do it :</p> <p>upon completing a college or university, the student will start looking for a job. However, due to the lack of experience, he might be constantly refused. This time he will appeal to us. We will find organization, who need such a specialist, we will know recommend them to their respective worker. We will contract with the organization according to which they must accept the worker for at minimum 3 years. The student will take place a one-month course, with a specialist and will be employed. After accepting a job, he will pay a certain percent for an initial education.</p> <p>Thus, students, employers and we will benefit:</p> <ul style="list-style-type: none"> . students will find a stabile job. .employers will find workers who meet their requirements. .we will earn money. 	
<i>Novelty of the idea</i>	We help youngers to get experience for their job.	
<i>Customer segment</i>	Students and employers	

NPUA		< 17 >
<i>Title of business idea</i>	DAILY LUXE	
<i>Team members</i>	Sargsyan Julieta, Karapetyan Anna, Davtyan Sofya	
<i>General description</i>	<p>The development of small and micro business requires sufficient material and financial resources. Students, having a lot of ideas and desire to do business, do not have sufficient opportunities and material and technical means. We have decided to combine our capabilities and create a space for the work of arts and crafts and design, which will allow those who are interested in this area, to implement various ideas.</p> <p>Our group has decided to implement the following:</p> <ul style="list-style-type: none"> - To have equipment for embroidery, sewing machine, computers, printing equipment, with which it will be possible to print on different materials in the medium sized area. -To organize an educational sector in the working area, where the familiarity with the devices will be carried out and we will be able to share our knowledge and skills with team members and beneficiary participants. -Open over-the-counter territory, where for a fee our beneficiaries will be able to realize their + ideas and before having money and funds on their own devices, to work and be able to earn and communicate with such players in this field. - Organize meetings and seminars between experts and stakeholders in this field. - Create web pages and e-Commerce sites of our beneficiaries. - Promote ideas of participants and generate sales of goods and services. 	



<i>Novelty of the idea</i>	Resource center
<i>Customer segment</i>	Any person without age restrictions
NPUA	
	<18>
<i>Title of business idea</i>	HoloShape
<i>Team members</i>	Yervand Terteryan, Mher Ghazaryan, Nerses Hovsepyan
<i>General description</i>	<p>Holoshape is a device which makes hologram of a trigonometric shapes. This device will make easier for students to understand and solve trigonometric problems. Our customers just have to write the parameters of the task in our mobile application and see the result in our device, also the possible solving methods of the task will be offered in our application.</p> <p>The device will have a cubic shape with a display on the bottom and four penetrating sides to see the hologram.</p> <p>The bottom of the device will have a plastic frame which will contain a rechargeable accumulator, display, motherboard and a Bluetooth module to connect with cell phone.</p> <p>The prime cost will be nearly from 25 to 30 dollars.</p> <p>We plan to sell the device for 40 to 50 dollars.</p>
<i>Novelty of the idea</i>	We are using this device in education.
<i>Customer segment</i>	Our targeted auditory are students of high schools who are over 40 million all over the world based on data of 2015.

NPUA	
	<19>
<i>Title of business idea</i>	IQBus
<i>Team members</i>	Asya Aharonyan, Liana Arzumanyan, Anna Misakyan
<i>General description</i>	<p>In Armenian market there is a huge problem with waiting for bus. With IQBus app people will know and follow the selected bus, which will arrive to the station and how much it will take to arrive to selected area. IQBus will allow tourists to orientate in town and travel even easier. It will be a new technology for Armenian market and investors. In public buses our team will place GPS equipment, which will allow others to follow their bus. For this, just like for other businesses, we will need investment. At first it will be with our own money, then with other investments we will expand the number of buses. To make IQBus we will need only IT specialist, other works will do our team's members.</p> <p>IQBus will work with monthly subscription. It will be used by all kinds of people, such as students, adults and older people who use bus as a way of transportation. There is a special offer for students, which will cost even less. Main risks are working without license can make people worry about their credit card information leak. Also not all people have the newest technologies, there can be risks connected with phone versions such as lolipop, jellybean and others. The huge risk takes malware or malicious viruses. There is no effective business without risk.</p>
<i>Novelty of the idea</i>	With IQBus people will claim information about bus's location while they are wherever they want just using and opening application



<i>Customer segment</i>	with phone, tablet or PC. This program will be interesting and useful for tourists and new comers.	
	Our customers are: people who often use bus as a transport.	
NPUA		<20>
<i>Title of business idea</i>	Parfumyan	
<i>Team members</i>	Lea Abrahamyan, Meri Mkhitarian, Susanna Harutyunyan	
<i>General description</i>	<p>We are presenting the Armenian natural perfume fragrances, which are not only differed with their unique odor but also with specific ingredients at the same time with its functionality of serving as a jewelry box.</p> <p>The product is also completed with a special software application which provides customers promotional relationship and loyalty. By using the app our customers are getting a lot of privileges and benefits, especially the following:</p> <ul style="list-style-type: none"> • Production of individual and custom-defined aromas. • Perfume bottle's jewelry box is provided with touch id detection (opens with finger print). • Detailed description of our fragrances. • Bonus acceleration system and special discount policy. 	
<i>Novelty of the idea</i>	<ol style="list-style-type: none"> 1. 2 in 1: perfume and jewelry box 2. Special software application for the definition of individual fragrances, as well as individual promotional policy 3. Jewelry boxes with can be opened by touch id 4. Using only exceptional Armenian raw organic materials 5. The social impact will be the development of perfumer specialty in RA (it will be offered to implement perfumer specialty program in vocational education estates). 	
<i>Customer segment</i>	Our customers are young and average age girls and women, with special requirements who are open for new enthusiastic solutions.	
NPUA		<21>
<i>Title of business idea</i>	MIC	
<i>Team members</i>	Ararat Stepanyan, Edgar Umrikyan, Vahan Kirakosyan	
<i>General description</i>	<p>The radiocommunication system lets us to provide pedestrians' safety. It will be done by RFIC (Radio frequency integrated circuit) which is inserted in cloth. It will send signal to autocar what will be alarm for driver and driver will inhibit (in autocar is inserted RFIS too).</p> <p>This cloth won't yield other usual cloth with them comfort and size because size of sensors and RFIS is very small. The system will be waterproof.</p>	
<i>Novelty of the idea</i>	The cloth will be connected with autocar and through that will be possible to reduce number of night accidents.	
<i>Customer segment</i>	Everyone	

	NPUA	<22>
<i>Title of business idea</i>	Mobit	
<i>Team members</i>	Asya Aharonyan, Liana Arzumanyan, Anna Misakyan	
<i>General description</i>	<p>Today there is a huge problem with playing and using mobile apps and games without advertisement and destruction. Mobit is an app, that gives permission to use mobile apps and games without ads, with monthly subscription. This app will solve a lot of problems connected with waiting while saving a project or playing games. With Mobit, you can pay only once for games and programs, when without our app you should've pay separately for every game and program, which will cost even more. To make this project, we will need only IT specialist, who will design Mobit site and respond to comments as quickly as he/she can. For Armenia it will be a new market to start with.</p>	
<i>Novelty of the idea</i>	<p>It's a new program to start with. A lot of adults and children sometimes don't want to be bothered with ads while saving a project or while playing games. So taking a note of all of this, this is a great program for people and for investors, who are looking for new and amazing applications.</p>	
<i>Customer segment</i>	Our customers are kids, adults, older people.	

	NPUA	<23>
<i>Title of business idea</i>	Development and manufacturing of technology disposable stubs of cardboard coated with a soap deck.	
<i>Team members</i>	Lilit Tahmazyan, Mariam Avagyan, Avetik Manukyan	
<i>General description</i>	<p>For intensifying the flow of tourists in Armenia, we should, first of all, make the country known to the international community, ensure the diversity of tourism by creating all the services necessary for historical, cultural, rural, religious, ecological, cave, sports and food tourism, which will have great potential in the development of tourism in Armenia.</p> <p>Our team has worked out the following plan:</p> <ol style="list-style-type: none"> 1. Investigate and study historical and cultural monuments, photograph and classify individual memorable places (doors, windows, squares, buildings, buildings, bridges, monuments, etc.) 2. Development and manufacturing of technology disposable stubs of cardboard coated with a soap deck, presented in the figure. In this regard, the Intellectual Property Agency of the Republic of Armenia filed an application for obtaining a certificate for an industrial design. The authors are the performers of the presented program. 3. Improved preparation of producing souvenirs for miniature paintings and engravings for handmade souvenir magnets, fragrant souvenirs, souvenirs with national costumes, as well as jewelry and luxury items that reflect the lifestyle and traditions of Gyumri, complementing the existing souvenir assortment and will contribute to the development of the tourism industry in Armenia and Shirak region. 4. Sale of souvenirs by creating individual enterprise, using the 	



	<p>opportunities of Gyumri branches in the pre-trial process, and we will use the wider possibilities of the Internet for advertising and assistance from the organizers of the hotel business and tourism in Armenia.</p> <p>The proceeds from the sale of souvenirs will initially be directed to expand the range of original souvenirs, as well as acquisition of new and up-to-date equipment and supplies for souvenir production, as well as the production and distribution of industrial property objects in the Intellectual Property Agency of the Republic of Armenia commercial surfaces creation or renting.</p>
<i>Novelty of the idea</i>	I think it will really be a novelty in our market.
<i>Customer segment</i>	Tourists
	NPUA <24>
<i>Title of business idea</i>	Rich Mind
<i>Team members</i>	Marine Avagyan, Sona Tangyan, Syuzanna Mkrtchyan
<i>General description</i>	<p>We know that more than 30 million children don't go to pre-school or kindergarten in the world. Education isn't available for them, so we decided to create an application, that will include education programs for kids /age group 2-6/. With this application we plan:</p> <ol style="list-style-type: none"> 1. To access to education everywhere, especially in distant villages of Armenia. 2. To inform the latest information about pre-school education programs. 3. With this application we aim also to save the time.
<i>Novelty of the idea</i>	The novelty in our business idea is a creating new application that will make available the education everywhere.
<i>Customer segment</i>	Our customers are parents, kindergartens, educators.
	NPUA <25>
<i>Title of business idea</i>	Smart Globus
<i>Team members</i>	Galdunts Aleksandr, Ashot Harutyunyan, Aram Harutyunyan
<i>General description</i>	<p>"Smart globus" provides a variety of functions, which we are going to upgrade and improve as far as we can. It is covered with approximately 600 led lights, due to appropriate application user can search any of the country he wants, and the globe will turn on the leds of the given country.</p> <p>It is meant mainly for students, who have interest in geography. They will be able to expand their knowledge in that subject. We think our project will be demanded at schools as an exciting and educational project for learning students the way they will prefer more.</p>
<i>Novelty of the idea</i>	The "Smart globus" is a new idea, and the world hasn't seen such a thing yet.
<i>Customer segment</i>	Our customers are students and those people who are interested in geography.

	NPUA	<26>
<i>Title of business idea</i>	Universal Crutch	
<i>Team members</i>	Aram Avetisyan, Artak Davtyan, Tigran Manukyan	
<i>General description</i>	The business idea is production of universal crutches for disabled people. With help of this crutch some actions will become easier to do, e.g. to stand from seating position, go up/down through stairs, etc..	
<i>Novelty of the idea</i>	It's include lifting system and there is no similar in the world .	
<i>Customer segment</i>	People with disabilities of the musculoskeletal system which uses crutches, walker, wheelchair, etc...	

	NPUA	<27>
<i>Title of business idea</i>	easy to learn	
<i>Team members</i>	Gevrog Hovhannisyan, Alexandre Takvorian	
<i>General description</i>	Many laboratories of the schools in Armenia are lacking enough equipment. Many schools still have the issue of modernization. The main reason of these problems is the high price! Easern (Easy to learn) is offering a great package which includes technical tools and the instructions to use them precisely. By following the above-mentioned instructions, you will make a device which can be used right in the schools. During the process, the students will profoundly learn how the automated systems work and will enhance their understanding about programming (e.g. coding). One of the packages has already been released at 3 schools. Thus, Easern educates the students while modernizing and improving the schools. One of the advantages of our products is that they have low costs comparing to other companies. for more see: http://www.easern.cf	
<i>Novelty of the idea</i>	low price, first in Armenia	
<i>Customer segment</i>	Our target market includes first of all secondary schools, where the students will get acquainted with our packages who later will be eager to have them for their individual use.	

	NPUA	<28>
<i>Title of business idea</i>	New Life	
<i>Team members</i>	Anahit Danielyan, Meri Grigoryan, Arman Minci	
<i>General description</i>	The pollution of atmosphere and its surrounding soil is a big problem, that could harm humans. We want to create a machine that could suck fabric's and transport's produced smoke into the machine, inside with chemical matter. It will filter smoke and will make clean air. That chemical inside the machine will be changed about 1 month or 1 year according to its soil. With the help of our team members, the smoke will be taken out, we will filter and clean. The matter which is useless we will recycle it. Our machine is very useful. The machine will help to keep save the environment and nature.	
<i>Novelty of the idea</i>	Our idea will make atmosphere cleaner. Fabrics and transport are increasing. They make the atmosphere soil polluted.	

<i>Customer segment</i>	Our customers will be environmentalist, fabric's managers, truck drivers and also people who want to have clean atmosphere.	
	NPUA	<29>
<i>Title of business idea</i>	Jamon from Armenian highland	
<i>Team members</i>	Tatevik Baghdasaryan, Sargis Hovhannisyan, Hasmik Baghdasaryan	
<i>General description</i>	<p>The idea is about to start jamon business in Armenia.</p> <p>The first reason that I decided to open this business is: that I like jamon very much, and all my friends who tried, they also like it very much. But in Armenia you can find just very small variety of Jamon, with vacuum packs and not very fresh. In one word you can't enjoy the bouquet of real tastes of jamon.</p> <p>The second reason is that it's a nice opportunity to start something that is new in Armenia, and with help of social query we understood that this business will really work here. Because in Armenia there are many wine cafes, beer places and restaurants, where really needed Jamon. And also after good promotion and good quality it will be needed everywhere.</p> <p>My confidence of success in this business is coming from my long experiments years in process of making jamon. I already know how to get Jamon with high quality, from which region to take pork and which type of pork. Also during my experiments I found how we can significantly shorten the duration of Jamon making process, without losing of quality.</p>	
<i>Novelty of the idea</i>	<p>With a specially developed technique of abrupt temperature fluctuations, the meat (jamon) is exposed to "stress", as a result of which the meat matures faster (from accepted 6 to 18 and more months, to 3-12 and more months) and turns out to be very tender. To do this, you need to adhere to a lot of solutions: the right temperature for fluctuations, humidity, time of year and etc....</p>	
<i>Customer segment</i>	<p>In general, everybody can be a good customer. This is a product that will love almost everybody, and price will be less than it is in market, because material will be from Armenia. Restaurants, cafes, bars, supermarkets will be my costumers.</p>	

	NPUA	<30>
<i>Title of business idea</i>	Absorption of radiation ray's	
<i>Team members</i>	Andranik Andryan, Arman Abrahamyan	
<i>General description</i>	<p>These days there are many areas contaminated by radiation. This in turn leads to the formation of various diseases, mutations in the cell and unsuitable for life circumstances. The essence of our project is to prevent the harmful emitting of radiation rays and once and for all forget about the diseases associated with radiation.</p>	
<i>Novelty of the idea</i>	Our product is designed to make radioactive terrain habitable.	
<i>Customer segment</i>	Our clients are people who need protection from radiation.	

NPUA		<31>
<i>Title of business idea</i>	Decision of Octane Number Capacity Method	
<i>Team members</i>	Edgar Navasardyan, Roman Ivanyan, Albert Hepoyan	
<i>General description</i>	This method is intended to decide octane number depending on dielectric transparency and temperature of petrol. Our idea is realization of Analog-to-Digital Convertor and data processing by microcontroller. As a sensor in apparat an air capacitor is used.	
<i>Novelty of the idea</i>	Unlike used methods for determining the octane number of fuel (motor method), this device allows you to quickly, cheaper and easily determine the octane number of fuel.	
<i>Customer segment</i>	Drivers and petrol station check laboratories	

NPUA		<32>
<i>Title of business idea</i>	New means to fight terrorism	
<i>Team members</i>	Vladimir Abramyan, Zaven Khanamiryan	
<i>General description</i>	We suggest to create a system which will be able to find explosive substances at the molecular level. The system's core function will be based on graphene properties. Unlike other types of systems, our device will be faster and will have a wide range of applications.	
<i>Novelty of the idea</i>	Reducing the size of the sensors up to the invisible, nano-range	
<i>Customer segment</i>	airports, metro, hotels, restaurants and other society organizations.	

NPUA		<33>
<i>Title of business idea</i>	Automatic pet feeding machine	
<i>Team members</i>	Hayk Hayrapetyan, Rafayel Shahnazaryan	
<i>General description</i>	The device is intended to feed pets. You can set a feeding time and mass of feed on the display and the device will be able to work for a long period. It has a motor with pours selected count of feed into the plate when feeding time comes. Also it checks remaining quantity of feed and alerts when it is running out.	
<i>Novelty of the idea</i>	The device can work with Internet connection. That gives ability to control it from wherever you want using your smartphone.	
<i>Customer segment</i>	Pet owners, zoo park workers, veterinarians, farmers	

NPUA		<34>
<i>Title of business idea</i>	ECO AM	
<i>Team members</i>	Seroj Xazaryan, Edgar Manucharyan, Natasha Kochunts	
<i>General description</i>	In "eco city" all kinds of transportation will be based on electricity. For getting from A to B and back way the traffic needs to be primed on the beginning of the way and there should be sun dados. All constructions provided for external enlightenment of road would be covered with dados owning which in evenings city would be enlightened.	
<i>Novelty of the idea</i>	Electrical busses which are charged with juice from generators put in stations. Wires will be shorten in discernible amount.	
<i>Customer segment</i>		

	NPUA	<35>
<i>Title of business idea</i>	Climbing Robot	
<i>Team members</i>	Minas Balyan, Vilen Sahakyan	
<i>General description</i>	<p>One can notice that in today's variety of land-robots, no matter how multi-functional they are, problems occur concerning to the traveling in obstructed, pathless terrain (stairs, bumpy terrain, ice-covered and slippery surfaces, highlands, ruins, etc.). Various robots of different structure were designed and developed, for instance, snakelike, caterpillar, wheeled, walking and rolling robots, but most of these types are provided for terrains with certain obstructions. Ministries of Emergency Situations of different countries use robots to reach and examine the obstructed terrains, and if necessary to provide additional assistance. In order to enhance the effectiveness of search-rescuing, filming, and collecting information about the specific locations, the robot needs the ability to move over difficult, slippery, uneven surface and climb over stairs of different height: for this task we came up with the concept of specifically structured robot with cylindrical wheels, which can overcome all the above mentioned difficulties.</p> <p>Due to hybrid wheels (caterpillar and wheel) the robot climbs over stairs and objects of different heights and sizes.</p>	
<i>Novelty of the idea</i>	<p>Studies show that Climbing Robot's wheels are one of a kind in the world. Due to the 12 cylinders and the movable legs in each wheel-structure, the robot's wheels change their positions in relation to the body. The spokes of the cylindrical wheels go inward and out, changing the size and the shape of the wheel, therefore adjusting the wheel for any specific surface. The spokes have special rubber-heads, which increase the friction force to ease the traveling on uneven surfaces.</p>	
<i>Customer segment</i>	<p>Climbing Robot can be used primarily by the emergency and defense ministries for observation, prospecting, search and rescue operations and information collection. The CR also can be exploited as a space robot to explore the surfaces of astronomical objects.</p>	

	NPUA	<36>
<i>Title of business idea</i>	True Engineers	
<i>Team members</i>	Rafik Simonyan, Abrahamyan Babken	
<i>General description</i>	<p>The game helps you play with any of your competitor, even at some distance. You keep the same speed and enjoy the game. In this case, it will be wrong to say, that you play with robot, because the robot is managed by a person at the same time. Other robots are constructed with import of some game options. And with the use of artificial intellect. In this case you are dealing with machine directly being regulated by a person.</p>	
<i>Novelty of the idea</i>	We can organize chess championship in distance with grandmasters.	
<i>Customer segment</i>	Chess players, schools, and people who love chess	



NPUA		<37>
<i>Title of business idea</i>	Tshatrak / Chatrak	
<i>Team members</i>	Grisha Khachatryan, Edgar Harutyunyan, Tigran Barseghyan	
<i>General description</i>	<p>Chatrak is a chess in which the figures of the opponent move automatically. It gives an opportunity to play chess with a computer but with real playing figures. The built-in AI analyzes the games and gets “smarter” with each game. It also will provide players with detailed analysis of their played games.</p> <p>Chatrak will enable to play chess distantly and it will be portable.</p>	
<i>Novelty of the idea</i>	It combines the study with joy providing ability to play chess distantly.	
<i>Customer segment</i>	Chess schools and chess enthusiasts	

NPUA		<38>
<i>Title of business idea</i>	Eco group	
<i>Team members</i>	Ann Eritsyan, Gevorg Gevorgyan, Varujan Hayrapetyan	
<i>General description</i>	<p>Our program is as follows. Create a car which will work with solar battery. This car will look differently. It will have a spare battery in case of waste energy. As a spare battery we can use water energy battery or another fuel. With the help of this car we will reduce a risk of air pollution and will have healthy atmosphere.</p>	
<i>Novelty of the idea</i>	energy savings, clean energy	
<i>Customer segment</i>	Diferent people	

NPUA		<39>
<i>Title of business idea</i>	Innovation Car Wash	
<i>Team members</i>	Gevorg Gevorgyan, Emil Arakelyan, Erik Margaryan	
<i>General description</i>	<p>The ICW organization suggests a new and comfortable car washing facilities. These is a rotary coupling iron system. The system consists of separate cells. When car is parked for a wash all wash up aids are used during one rotation and the car will be given to the driver in perfect clean condition.</p> <p>An entrance will be made with the paid coupons, which the driver will submit to the checkpoint.</p>	
<i>Novelty of the idea</i>	Occupies less space (1 rotation is about 2-3 minutes) saves time and money.	
<i>Customer segment</i>	Strictly demanding drivers who are in a hurry.	



	NPUA	<40>
<i>Title of business idea</i>	CleanBot	
<i>Team members</i>	Davit Danielyan, Mkrtich Harutyunyan, Zaven Khanamiryan	
<i>General description</i>	<p>CleanBot is created to work in areas that are dangerous for people. It features a fully remote controlled navigation-panel and can be operated using video, image, voice, coordinate and other data gathered and transmitted from the robot to the navigation-panel. Through the manipulator arm it can move objects and clean the surroundings. CleanBot can be used in dangerous areas autonomously and can overcome obstacles while doing so. It has a water tank, Ph, temperature, humidity and ultrasonic sensors which helps receive helpful data for the researcher. With the help of 4 unique vector wheels it can move at any given angle. The robot is able to carry and successfully transport over 25 kg of weight.</p>	
<i>Novelty of the idea</i>	<p>It features a fully autonomous mode or can be used and controlled manually through one navigation-panel. The specialty of CleanBot is that it is modular thus can have many uses in different cases with minimal modifications: from forest fires to high radiation nuclear plants. Thanks to modularity the manipulator arm can be quickly and easily swapped with something else for instance a drill or a lab testing equipment for collecting samples of harmful materials.</p>	
<i>Customer segment</i>	<p>Our product can be used anywhere where there is a potential harm for human beings thus meaning high radiation, unknown areas, unstable buildings or nuclear power plants.</p>	

	NPUA	<41>
<i>Title of business idea</i>	Medical Box	
<i>Team members</i>	Davtyan Inessa, Anna Davoyan	
<i>General description</i>	<p>For elderly people it is difficult to remember the sequence of taking their pills. Innovative MB will help to solve this problem. The MB has little boxes for pills inside. The doctor puts necessary pills into the box and writes the schedule. The user does not have to remember the schedule, because MB will remind which pill to take and when to take it! It will signal if the patient hasn't took the pill.</p>	
<i>Novelty of the idea</i>	To help people be healthy!!!	
<i>Customer segment</i>	All people who use pills.	



NPUA		<42>
<i>Title of business idea</i>	Guide always with you	
<i>Team members</i>	Arman Gevorgyan, Tamara Davoyan, Volodya Khachatryan	
<i>General description</i>	The app will be designed to connect guides with tourists. On the online platform foreigners and tourists will be able to find answers to all their questions. Questions can be asked both textually and through images. There will also be an info-chat with a constantly updated database and the possibility of registration, which will allow tourists to evaluate the guides and vice versa. Each user will have an account to be able to book a tour guide.	
<i>Novelty of the idea</i>	We collect tourists and guides in one online space, so they can communicate in the distance, and their meeting is not mandatory.	
<i>Customer segment</i>	Those tourists who have questions in a new place and need a guide service, but they do not have a preliminary agreement with the guide.	

NPUA		<43>
<i>Title of business idea</i>	City Expert	
<i>Team members</i>	Inga Abovyan, Lea Abrahamyan, Eva Hovhannisyan	
<i>General description</i>	A device will be designed and produces which will identify the sightseeing places and monuments by the means of voice and picture recognition. It will provide information about the sightseeing places to tourists, including people with hearing and seeing difficulties.	
<i>Novelty of the idea</i>	It will provide valuable information about visiting countries.	
<i>Customer segment</i>	Our customers will be tourists.	

NPUA		<44>
<i>Title of business idea</i>	Taxi service for disabled people	
<i>Team members</i>	Ruzanna Avetisyan, Qristine Minasyan, Sonik Avdalyan	
<i>General description</i>	The design of our cars allow disabled people to get in taxi without climbing off from the wheelchair. People without disabilities can also use our cars as by the design the place for the wheelchair also converts to conventional seats. Our service also provides ride sharing option which makes the ride more affordable.	
<i>Novelty of the idea</i>	Taxi which can be used with comfort by the disabled people also. Ride sharing option for more affordable trip.	
<i>Customer segment</i>	Our main customers are disabled people as well as people with no disabilities.	

