	Innovouchers 1217										
RIF PROPOSAL NUMBER	TITLE	HOST ORGANIZATION (HO)	COORDINATOR	COORDINATOR	PROJECT BUDGET	RIF FUNDING	PUBLISHABLE SUMMARY				
INNOVOUCHERS/1217/0009	Redesigned of prostate robot	medsonic	Marinos	Giannakou	5,000.00 €	5,000.00 €	The aim of this project is to develop a) a new transducer probe for prostate treatment using a high resolution printer b) Develop electronic system that limits electromagnetic interference and c) develop MR thermometry for the ultrasonic transducer.				
INNOVOUCHERS/1217/0011	Structural Model for Investment Decisions	Numisma Advisory Services Ltd	Markos	Markides	5,000.00 €	5,000.00 €	Numisma Advisory Services ("Numisma") was founded in 2000 and focuses on providing consulting advisory services for companies that are regulated by the Cypus Securities and Exchange Commissions (CySEC) and the Cypus Insurance Companies Control Services (ICCS). Within the context of Numisma's Court Research services of prediction and forecasting this project aims to develop structural (real options) models for firm and security valuation that incorporate a number of realistic features such as the presence of deta and risk of default, firms' new investment opportunities and revenue risk. The project will also provide validation (testing) using real data using a sample of firms. The goal of the project is hence to investigate whether structural real options models can provide a whether for distinguishing between undervalued firms and help the investment company in formulating improved investment strategies.				
INNOVOUCHERS/1217/0012	Encouraging UCD tools in the practice of architectural design	ADPIArchitecture Design Practice	Stella	Ioannidou	5,000.00 €	5,000.00 €	This innovation voucher will allow ADPI Architecture Design Practice (www.architectureds.com) to collaborate with the Cyprus Interaction Lab (www.cyprusinteractionlab.com), a leading HCI lab at the Cyprus University of Technology to successfully tackle innovation challenges in the discipline of architectural design, through providing access to immersive technologies (ARVIN), developing a novel framework to promote collaboration and understanding of the client needs in the design process and educate ADPIs staff in these technologies. The Cyprus Interaction Lab will offer its services through access to technology, prototype development and personnel secondiments to develop an ARVIN project to be used at ADPI to tackle the knowledge-expertise gap between architect and client. The overarching goal of the project is to define methods and processes for ARVIN technology for acciliated client participation in the design process for the inclusive and collaborative development of buildings and projects.				
INNOVOUCHERS/1217/0014	Virtual Reality treatment for the fear of public speaking	SILVERSKY3D VR TECHNOLOGIES LTD	Kleanthis	Neokleous	5,000.00 €	5,000.00 €	Silversky3D Virtual Reality Technologies Ltd, a local SME, is developing a Virtual Reality app to be used as a self-administered intervention for the fear of public speaking. The app is based on state-of-the-art research from Clinical Psychology and Neuroscience, implementing a novel approach in dealing with probias. Through this proposal, the company aims to secure contributions from two laboratories at the University of Cyprus to improve the animation of the virtual characters that are included in the app and also evaluate its efficiency in reducing the fear of public speaking.				
INNOVOUCHERS/1217/0020	An Intelligent Grill using Remote Sensing and Wireless Control	R.& D. SUNSTONE LABS LIMITED	Markos	Constantinou	5,000.00 €	5,000.00 €	R&D SUNSTONE LABS is currently working towards incorporating a VIF-ir module in i-barbeque project. The concept of i-barbeque is to provide the user, with the capability to remotely control important functionality, such as: a Moving away the food if a fire occurs on the carbide. b. Increasing and decreasing the distance of the food and the carbide depending on the user wishes and the temperature levels. c. Increasing / decreasing the rotational spaced in case of grilling lebab or similar food. As it can be understood, such critical functionality requires reliable connectivity and precision on the information transferred, in order to achieve the optimum user experience, without affecting the food quality during the cooking duration. However, due to the heavy metallic structure, an issue of remote connectivity and interference occurs, which affects the reliability of wireless controlling i-barbeque. It has been proven during the preliminary tests that the Wi-Fir module and antenna type selection in combination with the antenna placement influences the performance of remotely controlling the afforementioned functionality. R&D SUNSTONE LABS, as a startup company, does not have the necessary resources and expertise or possesses specialized equipment or simulations of tware in order to perform the following: a.30 radio planning, deterministic simulations b. Antenna designing and testing c.Interference simulations SIGINT SOLUTIONS LTD a Research performing SME, with an accredited ISO 17025 Laboratory and an inhouse 3D Ray tracing simulation platform can provide the aforementioned services.				
INNOVOUCHERS/1217/0023	GNSS positioning accuracy service	Integrated Airworks LTD	Constantinos	Constantinou	5,000.00€	5,000.00 €	The construction industry and other relevant operations such as ventilation systems installations depend critically on onsite exact measurements often performed by exploiting GNSS systems. Accurate GNSS positioning on the mileval requires ideal inconspired conditions that constitute the most critical error. When these conditions are disturbed due to geomagnetic storms or other regional phenomena the GNSS accuracy significantly degrades either on a real-time (RTIK-Real Time Kinematic) or post-processing (Precise Point Positioning) mode. It is therefore best to avoid conducting measurement campaigns during these times to incorporate the most accurate pressible coordinates during project planning phase. Information and subsequent understanding on these disturbed conditions is not straightforward to obtain as it requires specialized knowledge which is beyond the specified or building related construction companies such as integrated Airvorks. The purpose of this innovation volunters are considered to the purpose of the innovation volunters are supported to the purpose of the innovation volunters are supported to the purpose of the innovation volunters are supported to the purpose of the innovation volunters are supported to the purpose of the innovation volunters are supported to the purpose of the innovation volunters are supported to the purpose of the innovation volunters are supported to the purpose of the innovation volunters are supported to the purpose of the innovation volunters are supported to the purpose of the innovation volunters are supported to the purpose of the purpose of the purpose of the purpose of the innovation volunters are supported to the purpose of th				

INNOVOUCHERS/1217/0024	Next Generation of Water Heaters	ELCORA LTD	MARIOS	NICOLAQU	5,000.00 €	5,000.00 €	The Company manufactures a family of passive, active and combi solar thermal systems capable of providing hot water for household and industrial customers. After assessing the current state of the national market and international market tendencies for water heating, the main challenges faced by the host are; i) world-wide and EU tendencies in eco-labeling legislation, and ii) Tendencies in new building construction (tall residential / office so that it can retain its share and penetrate even further in the market. Using this voucher, the Company aims to collaborate with a knowledge intensive organisation with the necessary expertise to design and develop an innovative family of next generation water heaters with superior characteristics and the following advantages: 1. The first air-to-water heat-pump water heater with a copper tank. 2. The first water heater product manufactured in Cyprus with an integrated air-to-water heat pump. 3. Superior system efficiency. 4. Higher energy classification (according to the eco-design and eco-labeling directives 2009/125/EC and 2010/30/EU respectively). At present, the Company does not have the capacity to design, optimize and experimentally verify such a highly efficient heat-pump-based water heater as the one proposed in this voucher. With the services provided by the Knowledge intensive Organisation the Company will intiate a R&D effort to deliver the next generation of water heater products to the Cypriot and the International market.
INNOVOUCHERS/1217/0026	Hand Crafted Traditional & Adjustable Smartphone based Desk	lovenlight design ltd	Iman	Khozeymeh	5,000.00 €	5,000.00 €	The modern lifestyle and digital world, has as a consequence that the people from different types of profession to work for many hours on a sitting position. As modern people, we spent an incredible amount of time in sitting posture, forcing our bodies in a position that was not developed for. Scientific and academic studies have shown that our bodies are mainly developed for standing and hying positions. Few consequences of desk work fleestyle can lead to various health problems such as back pain, joints disorder increasing the chances for arthritis, weight gain, lower HDL, overall reduction in metabolic rate or the control of the proposal to make a piece of furniture with his important not only or functionality but also on aesthetic, conformable, modern but handcrafted so that anyone can adjust it for their needs remotely, from a mobile phone and keep track of their sistend activities through the day. The innovation is to use digital mapping of activities on a smartphone on adjustable desk that is highly engineered with mechatronic systems which are hidden, at the same time providing a piece of arthridance fraed furniture in an affordable price. The object will have mini hydraulic system, electronics board, Bulescoth and WI-Fit transmitter and a smartphone application, will seep record of all activities providing feedback to the user, such as sitting/standing time, repetitions and notification settings.
INNOVOUCHERS/1217/0027	WavelineMagnet for wave energy conversion	SEA WAVE ENERGY (CYPRUS) LTD	Chrysostomos	Zakheos	5,000.00 €	5,000.00 €	The Company focuses on designing and developing innovative renewable energy technologies that are capable of harmessing the power of sea-waves. Until now, the maturity of those systems is such that there is no distinct technology leader or a reliable device which could efficiently deliver energy. The Company has developed, patented and owns the intellectual property rights of the Waveline Magnet (WM) technology, which shows to be very promising in terms of efficiency, reliability and manufacturing cost. The 'proof of concept' of an early stage version has already been accomplished by field observations (at the bay of Lamaca) and by performing experimental measurements at the vave stank of the University of Plymouth (UK). At present, the Company is developing a laboratory scale improved updated version of their wave energy converter, the WMV-10. The development of each version of the WM device is a very time consuming procedure for the Company, Using this innovation volunch; the Knoveldege Intensive Organisation (KIO) while the Company to accelerate the development of the WMV-10 and prepare an official verification test, by an official certifying organisation. The KIO will help the Company to accelerate the development and prepare WMV-10 for an official certification, it in interaction appropriate Power Take-Off components and instrumentation and ii) perform a relevant set of experimental measurements will be analysed to calculate: 1. afficiency of the WMV-10 or different wave and operational conditions. 2. operational course and correlations between geometrical and operational parameters. The implementation of the proposed project will help the Company to obtain an official certification and reach the next TRL level faster.
INNOVOUCHERS/1217/0028	Fold-able Adjustable Crate	G.P. RETECH CONSULTING ENGINEERING LTD	Iman	Khozeymeh	5,000.00 €	5,000.00 €	Billions of transportations of raw materials and consumer's goods are carried out each year and nearly every product has been packed, storage, handled and transported on wooden pallets or inside wooden crates. Only 1% of all crates are made of metal and that is because of their initial cost, required space for storage and mainly because after shipping to their destination, it's not always possible to be loaded with new cargo. Metal pallets are strong and materials include carbon steel, starliess steel, and aluminum which are expensive compared to wood. Long term costs, however, can be lower than wood. Aluminum pallets are stronger than wood relastic, lighter than steel, and resist weather, rotting, palsatic creep and corrosion. A foldable adjustable crate, made of aluminum would be an alternative solution. A packaging crane in standhy pallet dimensions which can be folded. It means that after delivering the goods to their destination, it can then be folded into a small box sawing more than 80% of its initial volume and then carried back to the start location. This system can save money on packing in long term use as well as eliminating the need for additional covered storage space and having a lifetime of 10 years it would be environmentally acceptable.

INNOVOUCHERS/1217/0030	Multi-Objective Optimization Waste Management System	T.C. GEOMATIC LTD	Loizos	Tofas	5,000.00 €	5,000.00 €	The aim of the project is the definition and formulation of a real-file Multi-Objective Optimization Waste Collection Vehicle Routing Problem with Time Windows, as well as the design, development and analysis of a prototype that will primarily enhance realistic traceable information from the environment, then tackle the problem in the context of Multi-Objective Optimization, and thus provide a set of Pareto optimal routing schedules for waste collection, and finally decided what is the best solution to be applied based on instant requirements. Moreover, as part of the prototype design and implementation several Multi-Objective Optimization approaches will be developed and evaluated in order to utilize the best performing approach in the final prototype that will be finally evaluated using specific performance metrics.
INNOVOUCHERS/1217/0032	Financial Software Enhancements	Numisma Capital Ltd	Markos	Markides	2,500.00 €	2.500.00 €	Technology has shifted the approach of nearly every industry over the past decade, and the field of wealth management hasn't been immune to its influence. Technology can assist a Wealth Manager offer a more complete service to its clients and at the same time become more affordable and accessible. Numisma Capital is considering a redesign of its systems to be able to provide online Portfolio Management and Reporting services to its clients. The challenge: -Numisma needs to design development requirements, including, but not limited to: Process flow diagrams, database model diagrams, business requirements translation into algorithmic models, technical specifications conforming to ISCO20001 and similar standards. -Numisma needs to create a plan for a secure IT infrastructure to address any possible data leakage, provide intrusion prevention and detection, acite monitoring of internal network and other measures to ensure security and standardization of the planned project. -Numisma needs to develop multi-lier application framework with high-availability and redundancy features built-in from the beginning.
INNOVOUCHERS/1217/0038	Characterization of herbal extract	S.C. Twist Trading Ltd	Yannis	Kountouris	5,000.00 €	5,000.00 €	According to literature the use of artimicrobial compounds entracted from natural sources such as herbs have been considered good agents for controlling human disease caused by microsing antibiotic resistance, herbal tess are the most popular natural alternatives for the treatment of infectious diseases caused by microbes and are nowadrag parining great interest. The Host Organization (HO) has been producing a large range of Cypriot herbal influsions in tesbag (sachets) made by herbal species. However, these herbal test products have never been actually investigated of their medicinal properties. Through the utilization of this Innovation Voucher, the HO wishes to evaluate the antimicrobial activities of a new herbal intuision tea product which is prepared to be released to the market. For the artimicrobial evaluation of this product, the HO requires the services of the Knowledge Intensive Organization. The Knowledge Intensive Organization has experienced academic salfficientists and the required infrastructure to perform these services. The Knowledge Intensive Organization will ofter the scientific evidence which is expected to have a catalytic effect for the alunching of the new product. The results of the experiments carried out are expected to varily the antibacterial action of these herbs, thus making these tea-products a powerful candidate for inhibiting growth of microorganisms of specific origin.
INNOVOUCHERS/1217/0040	Promoting Innovation and Creativity through Educational Robotics	MATHAIAN LTD	NIKOLAOS	EROTOKRITOU	5,000.00 €	5,000.00 €	The "Pernoting Innovation and Creativity through Educational Robotics" programme, is designed to help every subtent to improve cerativity through innovation Technology potentials. The programme offers students the apportunity through incorporating Educational Robotics in Computer Science lessons to be improve thinking studies, creativity and solve proteins with a novel wey by promoting colladoration. This programme aims at changing students' attitudes towards STEAM (Science, Technology, Engineering, Arts and Mathematics) disciplines and improving 21st Century's capacities with the *learning by doing *approach. This programme include three stages and is considered as an experimental design known as pre and post test design with control and expertmental groups. During the first stage, both groups, will be given a pretest coreativity test (TTCT) and their results will be considered as basic creatively for both way groups. During the sacond stage, the experimental group will attend robotics lessons for 16 weeks and then they will have 8 more weeks to solve a proteinetask creatively (fullading and programming a notice with a novel wey) During the sacond stage the control group will continue computer lessons without any changes. The third stage include for both groups the same post test creativity test (TTCT). The results of the programme will contribute to the understanding of robotics on student's creativity and suggest ways to incorporate robotics in STEAM disciplines by fostering innovation and creative thinking through computers-crobotic slessons. Nevertheless, the implementation of the project will have a positive impact students' perceptions and attitudes towards STEAM domains.
INNOVOUCHERS/1217/0047	Examining the Effectiveness of Banner Placements in Online Marketing	Hivebreed Ltd	Demetris	Stefani	5,000.00 €	5,000.00 €	This innovation voucher will allow theebread Ltd to collaborate with the Cyprus Interaction Lab (www.cyprusinteractionlab.com) a leading HCI lab at the Cyprus University of Technology to successfully tackle innovation challenges in the discipline of online marketing, through conducting a study to examine and evaluate the effectiveness of display ads online including the various formats and forms of barners and advertisements and how these influence decision-making of potential clients in Cyprus. The lab will provide access to specialised equipment and seconded personnel to carry out this study essential to the development of the innovation capacity of Hivebread Ltd.

	Purification System	Systems Ltd		Michael	5,000.00 €	5,000.00 €	Climate change, natural droughts, population growth, inadequate diriking water treatment and lack of opportenced management have all contributed twoards the valer crisis of the 21st century, globally. Opprus being the third largest island in the Mediterranean Sea, has a semi-and climate and limited water resources. Water is by far the most precious resource in Opprus, since the quality of ite and almost all economic activities depend upon the presence of water supply. Focusing on the contribution of distribution networks towards this crisis it is believed to be a key factor in water reservation and safeguarding water quality throughout the distribution network, while at the same time it increases customer satisfaction and trust towards the local water boards. The most common problems that the distribution networks face include falling infrastructure, pipelines made from materials that are considered hazardous such as lead and asbestos, corrosion, leaking, and scaling. Safeguarding water quality in the distribution networks of Opyrus it is particularly difficult because of the constantly changing source water used. The public does not trust the quality of the tap water received in their toushous delited their Obetin water from water dispense/winding machines or install small scale water treatment units such as reverse cornosis-RO systems in their houses. The Hoot Organization has been more important than the sale of an individual product. Therefore, is seeking assistance though the "imovation Voucines for section of the Controllegia limiteries Organization for country and product in the open of the ordinary distinction of the country and spiked water with chemical contaminants and microorganisms that will be used as an initial feed in the RO system in order to optimize its function.
	Prototype Design and Development for the PGC of Large Array of Personal and Professional On- Demand Services Mediated Through a Mobile Application	APPRECI LIMITED		Saavedra	5,000.00 €	5,000.00€	Appreci will be a unique personalized integrated service platform that gives individuals, families and businesses the opportunity of requesting through a mobile application cost effective assistance of any kind, for which providers can also benefit by accepting to offer their service in real time. The purpose is to provide assistance driving unprecitable icrumstances or particularly buys periods, by providing people in new dwith the resources to balance personal or professional matters. The predetermined cost-per-task-flexible schedule scheme not only is commented from the service professional matters. The predetermined cost-per-task-flexible schedule scheme not only is commented from unserbuistic professional matters. The predetermined cost-per-task-flexible schedule scheme not only is commented to unserbuistic professional matters. The predetermined cost-per-task-flexible schedule scheme not only is commented to unserbuistic professional matters. The predetermined and highly competent people in every area of Cyprus that users can trust and rely on for all their modern filestyle demands. A pre-launch study is being conducted to better anticipate specific needs from new mothers, seniors, and people with disabilities or with post op needs. The beta version will fere about 10 selected ad hoc services common for everyone but can be customized in terms of location, time and tasks. The beta version services will be aimed at aiding this particular groups.
INNOVOUCHERS/1217/0060	Minimizing heat losses in solar heater water tank	P & D Solar Systems & Sons Limited	Eugenios	Anagiotos	5,000.00 €	5,000.00€	Through the Innovation Voucher, P. & D will acquire consulting services and execute some basic experiments combining with theory to minimize thermal losses for: 1. 150 litters of water rank to increase thermal efficiency from B to A. 2. 200 litters of water rank to increase thermal efficiency from C to A. 3. 300 litters of water rank to increase thermal efficiency from C to A. The profilem is a general on for all companies providing solar water heaters, so the solution to the problem will provide some innovating knowledge to the company and future collaboration with other companies in Cyprus and abroad to help them improve their products as well. The solution also has to be a satisfaction in price as well.
INNOVOUCHERS/1217/0068	Initial evaluation of the performance of saturated aggregates in concrete	Latomia Pharmakas PLC	Pericles	Sawa	5,000.00 €	5,000.00 €	The Host Organization (HO) is an owner of several quarries located in the area of Nicosia and three batching plants of ready-mix concrete. The HO recognizes that the aggregates of Cyprus suffer high absorption and low strength and it seeks an opinium unberdodlogy to add them in concrete without deterorizing the final product's quality. Therefore, the contribution of Frederick University is required to determine the guidelines and the results of several combinations of coarse and fine aggregates in terms of source, size fraction and humidity condition to improve concrete performance and exploit the available natural resources.
INNOVOUCHERS/1217/0071	Pack-bed fabric filter for wastewater treatment	Darnasus Engineering Ltd	Ioannis	Roussos	5,000.00 €	5,000.00 €	Damasus engineers have developed an innovative idea to treat wastewater that requires minimum capital, teachnical and energy input. This innovation is based on aerobic attached growth of microroganisms on an engineered teatile media that is in contact with air. Innovation is used for domestic wastewater teatment as well as chemical/microbiological analysis of feel wastewater and treated effluent water. The experimental results will indicate the effectiveness of the proposed innovation and future alterations. Operation of the proposed bioreactor is very simple and requires minimum maintenance, making it ideal for individual houses, residential complexes and for small communities.
INNOVOUCHERS/1217/0072	Introducing objective evaluation of psychiatric intervention with EEG analysis	Panagopoulos IEPE	Vasileics	Paragopoulos	5,000.00 €	5,000.00€	The Innovation Voucher would enable the Host Organization, Panagopoulos I.E.P.E., to consult with AAI Scientific Cultural Services Ltd. The overall goal of the work is to preve the way for predicting response to treatment interventions in various psychiatric linesses based on an objective measurement. The proposal has the following specific goals: 1. To start an effort for building a distabase of electromorphistignams (EEGs) and control of the proposal start of the proposal p

INNOVOUCHERS/1217/0076	Rapid backfilling of utility trenches in motorways	M.P.Rebar Engineering Consulting Services LLC	Marios	Charalambous	5,000.00 €	5,000.00 €	For a number of several possible reasons, Public Works Department or private companies, undertake the contractual responsibility for the excavation of trenches along the motorways of the island, in order to bury different types of utilities, e.g., pipes for hydraulic, electrical, or other purposes, telecommunication cables, etc. The placement of the aforementioned utilities is always a tricky, complicated and difficult task, if one considers the essential constraints that the disruption of the triffic should be avoided, or limited to the minimum possible level, and also that the safety of the workers and the drivers should be an unnegotiable issue of top priority. Furthermore, on several occasions, the sensitivity of the utility that is going to be burded in these trenches, ask for specific configuration of the overhead layers. The specific research is submitted to evaluate different methodologies for undertacking the specific task in the minimum possible time ensuring the passing cars safety.
INNOVOUCHERS/1217/0080	FRAUD DETECTION THROUGH ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING		CHRISTOS	TTINIOZOS	5,000.00 €	5,000,00 €	The host organization develops and markets software platforms for governance compliance, encompassing many needs, including Fraud Detection, Anti-Money Laundering and Know-Your Customer. Typically, fraud detection is performed procupiling a suspicion score for each record under investigation (e.g., transaction of the process of the second process of the second control investigation (e.g., transaction the highest rankings will go under scrutiny investigation and due diligence to reveal if indeed the corresponding transactions were fraudulent. However, a detailed investigation is usually too expensives so the more accurate the computed scores are, the lower the cost for the company is To better illustrate the magnitude of the problem, consider industries that are processing hundreds of millions of transactions per morth (e.g., telcos, banks); if 0.1% of every 100 million transactions are fraudulent, each tosing the company just 10 euro, then overall the company loss of millions of transactions per morth (e.g., telcos, banks); if 0.1% of every 100 million transactions are fraudulent, each tosing the company just 10 euro, then overall the company loss of millions of transactions per morth (e.g., telcos, banks); if 0.1% of every 100 million transactions are fraudulent, each tosing the company just 10 euro, then overall the company loss of millions of transactions are fraudulent fraudulent patents; of the company loss of the loss of the company loss of the
INNOVOUCHERS/1217/0081	SmartMApp: the go-to tool for on- field environmental surveys	ALA_PLANNING PARTNERSHIP CONSULTANCYLLC.	Achilleas	Kalopedis	5,000.00 €	5,000.00 €	ALA provides environmental, planning and transport services for large planning development projects. Within the framework of these services, ALA visits he relevant sites to identify environmentally sensitive areas and constraints that may affect the study being carried out and to assess environmental impacts. Usually these areas and constraints are mapped out on a hard copy map, with notes in a separate notebook and are enriched with photographs of the site. The location is often identified by hand held 6PS device. ALA foresees the development of an easy-to-use GPS tool for real-time mapping and archiving of environmental information in the field. The main idea is to develop an App for the very popular Android platform to be used during fieldwork. The App will be able to utilize Google Maps satellite images through LTE-GG/2G network and GPS function of the device, in order to identify the each location in the field. The App will be able to utilize Google Maps satellite images through LTE-GG/2G network and GPS function of the device, in order to identify the each location location pairs using finger touch operating and provide and the control of the device of the device of the control of the
INNOVOUCHERS/1217/0083	Consulting services for the development of a mobile app	STARIS VETERINARY CLINIC	Constantinos	Staris	2,500.00 €	2,500.00 €	Nowadays there is a shift towards the digital world. Therefore, there is a need to bring to the business innovation on this area and to make a shift into digital transformation. One of the areas where many companies induce digital innovation is to make their software available in a mobile application form - making it easier for customers to find and use their services. In this way, the business can provide to its clients easy-to-implement technology solutions in order to connect easily with the business and to give more advanced care to its clients. The services provided through this Innovation Coupon will be consulting services for the development of a mobile application for the clients of the business. At the end of the first phase of the services provided (consulting services), the owner of the business will be able to conclude on the features that would like the business' mobile application to include.
INNOVOUCHERS/1217/0084	Development of a prototype for a mobile app	STARIS VETERINARY CLINIC	Constantinos	Staris	5,000.00 €	5,000.00 €	Nowadays there is a shift towards the digital world. Therefore, there is a need to bring to the business innovation on this area and to make a shift into digital transformation. One of the areas where many companies induce digital innovation is to make their software available in a mobile application form - making it easier for customers to find and use their services. In this way, the business can provide to its clients easy-to-implement technology solutions in order to connect easily with the business and to give more advanced care to its clients. The services provided will be to design and develop a prototype for a mobile application for the business. Also, a first draft of the mobile application will be developed.

INNOVOUCHERS/1217/0087	EMBRACE	CELLOCK LTD	Haris	Zacharatos	5,000.00 €	5,000.00 €	Embrace is a tracking device designed for children and seniors. Our need is to extend the use of the above device for the elderly community that is not accustomed to using smart devices like smartphones or smartwatches. This limited familiarity, in combination with the deterioration of fine motor skills above a certain age, creates a new problem for the use of LEMBRACE device, and smart battery powered devices in general. The problem lays in their inability to properly charge such devices on their own, either by using a standard USB charger interface or a simpler magnetic attached charger interface. Therefore, our specific need is to design and develop a custom charging station for EMBRACE device so that the elderly will be able to use it with ease and counter the problem their inability to properly charge the device and the resulting battery drainage. The prototype should be easily accessible at all times by the seniors, as well as provide visual information for them. Usability is very important when we are referring to a community of people that they may have movement difficulties, thus the industrial design should accommodate this and create a user-friendly product experience.
INNOVOUCHERS/1217/0088	Development of remotely operated vehicle (ROV))	G.D. Electroniki Noisi - Systimata Automatismou & Rompotikis LTD	lana	Omelchenko	5,000.00 €	5,000.00 €	Design of a remotely operated vehicle
INNOVOUCHERS/1217/0089	Bander Smart Charging Case	Laidback Life Ltd	Christina	Nicholson	2,500.00 €	2,500.00 €	The project aim is to assass the technical feasibility of a noval smart case where people will be able to store their wireless earphones and this case will be attached to all wearables is. smartwarkes for tracking filmess wearables. This case will be unique as it will have wireless charging meaning it will be able to charge itself on any wireless charger and at the same time it will also charge the wireless earphones.
INNOVOUCHERS/1217/0090	Bander Prototype	Laidback Life Ltd	Christina	Nicholson	5,000.00 €	5,000.00 €	The project aim is to create a smart case prototype where people will be able to store their wireless earphones and this case will be attached to all wearables. It is case will be unique as it will have wireless charging meaning it will be able to charge itself on any wireless charger and at the same time it will also charge the wireless earphones. The challenge is to design and develop the Smart Case prototype, in order to get customer feedback as soon as possible. Through prototyping, we need to verify that the end product can be manufactured as a thin & fashionable gadget for people to clip it on their own wearables. The Smart Case prototype will need to embed and test wireless charging technology but still be thin and light.
INNOVOUCHERS/1217/0153	Consulting HCI Design for Mobile Games	Ascanio Entertainment Limited	George	Tziazas	2,500.00 €	2,500.00 €	The aim of the project is to get guidance over the best practices of Human Computer Interactions for our next game to be published on mobile devices. The consultancy will take into consideration the uniqueness of the project, the low age target group and the fragmented delivery of stages, among others, in order to provide the most optimal solution on creating and replicating a child friendly, children appealing digital environment. The consultancy multiples of the properties of the provided the most optimal solution on useful and the properties of the provided properties of the provided provided the provided provided provided the provided prov
INNOVOUCHERS/1217/0155	Experimental proof of concept of a novel non-concentrating solar thermal glazed air collector	M.I. PH DESIGN LTD	Milos	lic	5,000.00€	5,000.00 €	The main objective of the project is the design and future commercialisation of a novel non-concentrating solar thermal glazed air collector, which will cool down during night time in summer and will heat-up during whiter dayline the air used for ventilation, as well as the exhaust air heat recovery. The suggested project methodology follows the steps towards the experimental proof of the concept (TRL 3) and includes activities related to the down-scaling and design of alternative models of the novel non-concentrating scalar thermal glazed air collector, their manufacture and laboratory testing, as well as the implementation of computational analysis for the definition of the novel non-concentrating scalar thermal glazed air collector's performance in high-rise buildings application. The project implementation will result to the development of a proof-of-concept model that will verify the technology's potential for real-world application and readiness to proceed further through the development process. The project results address one of the major issues faced in the field of passive houses; the achievement of thermal conflot conditions in space with the use of efficient equipment that minimises energy consumption. In addition to the use of passive solar gain by passive buildings, the implementation of the project will further extend the potential of these buildings, the misking use of their intrinsic heat from itemal sources, such as waste heat from lighting, white goods and other electrical devices, as well as body heat from the people inside the building. Although well-established solutions in this field are available, there is still space for novel approaches in the field of achieving thermal comfort with intelligent units in passive houses.

INNOVOUCHERS/1217/0156	LingTest	MCD Beyond Speech Ltd	Marianna	Devledian	5,000.00€	5,000.00 €	In 2017 CUT through the department of Rehabilitation developed the "CUT UNIVERSITY REHABILITAION CLINIC" (first pilar Speech and Language Pathology), Constituting it the first state funded University Clinic with clinical observation and therapy rooms a teleconference orom and five research laboratories including THERALB. (TIMS LAB, VIOCE LAB, PHONETICS-ACOUSTICS LAB and DIAGNOSTICS LABORATORY, AUDIOLOGY BOOTH. All bioprotiones are furnished and equipped with newly purchased materials, tools, kits, furniture and equipment secured through research parts and University Allocated Budget for Equipment of net worth approximately 300,000 usor. For the purposes of the proposed Innovation Voucher. "TheraLab" research laboratory as the KIO was established in 21014 through state and stat-up funding to Professor Kakia Petinou (Director of "TheraLab" and P.I of relevant funded projects reported in her attached CV). "TheraLab" is under the direction of Dr. Kakia Petinou and is devoted primarily to researching early speech and language parameters in spicasity developing and late talking bodders as well as children with those with complex communication needs. Note that "TheraLab" operates under the auspices of the Department of Rehabilitation Sciences and more particularly the newly established academic program of Speech and Language Parahology (School of Health Sciences) as well as the Newly Established Speech and Language Parahology (School of Health Sciences) as well as the Newly Established Speech and Language Parahology (School of Health Sciences) as well as the Newly Established Speech and Language Parahology (School of Health Sciences) as well as the Newly Established Speech and Language Parahology (School of Health Sciences) as well as the Newly Established Speech and Language Parahology (School of Health Sciences) as well as the Newly Established Speech and Language Parahology (School of Health Sciences) as well as the Newly Established Speech and Language Parahology (School of Health Sciences) as well as the Newly Es
INNOVOUCHERS/1217/0157	Heroes MyBook Implemetation	Heroes MyBook Ltd	Maria	Lavithi	5,000.00 €	5,000.00 €	After we complete consultation we will need to proceed with development of the software that will allow our SME to automatically generate the personalized/customized books with a press of the button. Currently, although the front end appears seamless on the back end we need to do everything manually, therefore this is a barrier to us scaling the activities of the company. With this proposal, we will be able to develop our custom made innovative new software that will be a fully functional prototype and will enable the company to scale and be able to produce in an innovative way, a large number of customized books daily (in digital and printable format).
INNOVOUCHERS/1217/0161	The use of electrochemistry in cattle waste management	WESTFALIASURGE CY LTD	Maria	Papapetrou	5,000.00 €	5,000.00 €	Nowedaye, Iwestock is considered an emerging agronomic sector leading to high quantities of manure. Farming manure is a complex environmental pollutant contributing both to air, water and sol pollution. The production of large volumes of liquid waste and manure from cattle farms in Cyprus results to the need for proper management, treatment and appropriate disposal in order to reduce their impact on the environment. One of the major problems is the difficulty of separating and treating waste due to the lack of installation of its treatment systems, as a result of the high cst. Therefore, the use of inappropriate non-watertight earth tanks for the storage of liquid waste, or inappropriate manure storage sites, creates the known problems of feakage or uncontrolled duringing, resulting in water and sol pollution, odour emissions and multiplication of flies, rodents and other carriers of communicable diseases. Many techniques have been developed until now, such as electrochemistry, to treat industrial wastewater with sound strategies, which seek for remove pollution with sustainable development and environmental protection. The present research proposal is focused on the employ of the electrochemical protection of cattle wastewater, which are considered critical sources of contamination in Cyprus and in the broader Mediterranean area, as well. Electrocoeguilation process (aluminium electrodes) and electrochemical oxidation or cattle waste in order to decrease the nitrogen and organic content of the waste, eliminating the environmental impacts to soil, groundwater and atmosphere of the surrounding area, in order to meet the legal requirements.
INNOVOUCHERS/1217/0163	Heroes MyBook Consulting	Heroes MyBook Ltd	Maria	Lavithi	2,500.00 €	2,500.00 €	Consulting on how to develop a customized software to translate text into printable images and embed them into our own existing book images (currently being done manually). We need to be able to develop an automatic on the fly generation of customized ready to print bock assets to enable us to horizontally scale infinitely and integrate directly with print shops for the quickest order to delivery process possible even during high demand. All our books are internally developed with very specific guidelines to makes them customizable for each child. This means that we need a very specific solution to allow us to capture from the front end of the website the parent's choices for their child's book, and convert them into a ready to print book. The consultation will flocus on providing guidance, specs and technical know-how on what we need (and what to avoid) in order to successfully navigate the tech environment. This solution will enable the company to scale and be able to produce in an innovative way, a large number of customized books daily (in digital and printable format).
INNOVOUCHERS/1217/0164	Waveguide Optical Sensors using Ferntosecond lasers	Lumoscribe LTD	Antreas	Theodosiou	5,000.00 €	5,000.00 €	Uniform, in-core FBGs have shown high sensitivity to environmental parameters, such as temperature and strain. However, their location in the fibre core is too far from the cladding/air interface to interact and detect the presence and properties of materials surrounding the optical fibre. Transmission sersors, such as titled Bragg gratings (FBGs) and long period gratings (LPGs) hat couple light to the cladding and beyond, are used to make refractive index measurements. However, there is a fundamental need for refractive index sensors that operate in reflection, with an impact on chemical and biological measures, for which the analysis of refractive index can be related with the different diseases. Moreover, it applies to gas measurements, distinguishing minute differences in refractive index. With this Innovation Youcher, we foresee to develop and characterise optical waveguide sensors in the cladding of glass optical fibres for applications in biomedical and gas sensing areas.

INNOVOUCHERS/1217/0169	Innovation Voucher B Hegemonic Project	Hegemonic Project Limited	Varnavas	Timotheou	5,000.00 €	5,000.00 €	The main problem that we are facing right now is that we do not have an in-house team of game creators to generate the main mechanics of our game. This problem of creating appealing and robust game mechanics results in the generation of further problems such inability to make informed micro and macro decisions regarding the conceptual design of the game. Some examples of these macro decisions are whether the game should have luck mechanics such as cards, dion, rollers; if yes, which ones should be used in a way that better reflects the character of the game without taking away too much of its strategy elements, and how should the impact of those random elements be metered in comparison to the strategical decisions for the players. There will also be micro decisions like how many moves do the players get or whether they can interrupt another player's turn that need to be answered before we wen begin the implementation cycless. We also luck the knowledge of data gathering from each playthrough, and how to act based on these data correctly (i.e. how to shift the game, what mechanics to change and how).
INNOVOUCHERS/1217/0173	A Conscious Commerce Marketing Approach	TCT Controlley Ltd	GEORGE	PAPAGEORGIOU	5,000.00 €	5,000.00 €	The proposed work addresses a current challenge that the host organization faces in scaling their existing scommerce-field online services by means of an effective software solution that allows partner sellers to easily connect their own ecommerce systems with a central platform/server. The ultimate goal is the creation of an alternative marketing mechanism that tracks, communicates and promotes the most conscious commerce behavior by partner sellers and their customers. The project's deliverable will include the design and development of a basic prototype of a set of software plugins that third-party platforms can use in order to easily connect with our host server through API connectivity.
INNOVOUCHERS/1217/0178	Full support from CYI to ADITESS' UAV Department	ADITESS ADVANCED INTEGRATED TECHNOLOGY SOLUTIONS & SERVISES LTD	NIKOLAOS	KOUTRAS	5,000.00 €	5,000.00€	The reason the company applies for the Innovation Voucher 2019, was the identification of a specific need that was raised, regarding the UAV activities of the company. Due to lack of expertise in the operation and maintenance of some types of UAV platforms (Fixed-wing and Helicopter type) the need to consult an experienced organization in this field is imminent. ADITESS has chosen the USRL department of the Cyprus Institute, which is the only organization in the country that fulfills all the attributes needed for successful UAV operations utilizing other UAV means apart from multirotors (Fixed-wing and Helicopter type). Additionally, the USRL department has its own specialized UAV laboratory and artifield, that we hope to be allowed to use. Furthermore, the operation and knowledge to be transferred to ADITESS team by the USRL's team is valuable and critical for the safe operation of UAV platforms. Proof that they possess the amount of experience and knowledge needed in the field of the UAV industry derives from the fact that they have been active since 2009 and yet no incident involving public safety was ever reported.
INNOVOUCHERS/1217/0183	Innovative Website	NAA Paphos Views Ltd	George	Kitis	5,000.00 €	5,000.00 €	The organisation (Naa Paphos Views) is a property management company. It will create a platform on a website in order the customer to have access to all the information of their property. Through this platform customers from all over the world will be able to know about the repairs done to their property, what is the cost, who is renting their property etc. Each owner will have unique access codes in order to have access only to their property. Though this platform customers will have the relevant information immediately after they occur. In order to this platform to be created marketers and researchers will execute a relevant research among customers in order to learn their needs. Those information will be analysed and based on them the platform will be designed and created.
INNOVOUCHERS/1217/0184	Green Kid	GARDENIAS & JASMINES LTD	Donna	Kaparti	5,000.00 €	5,000.00€	Project objectives and anticipated results. Green Kid is an apo designed to help parents around the globe provide better entertainment to their children. Our goal is to create a green farmly model where parents and children will enjoy agnes that hand down a love of recycling and habits good for nature in general. As parents we know how much of the online content is inappropriate for children even when it is supposed to be kids friendly. Green Kid App is giving the opportunity to both parents and children to go the other way around and enjoy conline entertainment that hands down happiness. Our costumer are parents (men and women) with sense of ecology or interest in environment and healthy family eating.
INNOVOUCHERS/1217/0188	Innovative educational models for focused ultrasound systems	Attikouris Enterprises Ltd	Costas	Attikouris	5,000.00 €	5,000.00 €	The aim of this proposal is to develop educational tools for the focused ultrasound technology.
INNOVOUCHERS/1217/0191	Proposed AC magnetic field measurement methods & test setups	EMTECH SPACE P.C (CY) Lid	Stylianos	Tsatalas	5,000.00 €	5,000.00 €	EMTECH recently initiated an activity concerning the measurement of AC magnetic & electric fields of very low frequencies (in the range from some mHz up 15 OBHs) and of low field levels for space applications. Generally, there is a lack of standardized measurement methods for spacecraft equipment AC magnetic & electric field measurements. There are only substantial references in the relevant ECS ESE MCH enachook. The same applies to military standards as they do not contain detailed information reparding the test setups, the instrumentation or practical testing guidance. So practical information reparding the test setups, the instrumentation or practical testing guidance. So practical information reasurement procedures and useful scientific information required for measurement consistency are missing. In the space domain very low level (few hundreds nT) AC magnetic fields are required to be measured while in the power lines case the AC magnetic field evel measurement range is higher (starting from a few micro Tesla). This leads to the use of different measuring equipment as the sensitivity level required is nor the same. Both Fluxgate and Search Coll (induction Coll) types of magnetometers are used to measure magnetic field levels of this range. It is required to increase out nowledge in the field of practical information out he usefully of magnetometers (but of fluxgate and search coll types) in low frequency low level AC magnetic field measurements. The most important issue is to define hypical test setuply employing these searcs with emphasis in practical information out has measuring distances from the test object, possible perturbation from the environment, data acquisition requirements, including test period, effects coming from the operation of the test object, unmber of sensors required for a measurement. The above list is not enhanced and only the recention of the test object, detects coming from the operation of the test object, unmber of sensor required for a measurement. The above list is not enhanc

	PROLOKS INITIAL CONSULTING SERVICES	Meaningful Synergies Ltd	BRANISLAVA	LAZIC VAN DER LINDEN	2,500.00 €	2,500.00 €	Prot.ocks is an innovative idea developed by Meaningful Synergies for the creation of the app, enabling a person to take a picture through a smartphone, using an automated assistant and guided witzard to produce an assistentially pleasing outcome. The app is aimed at businesses, empowering them to produce uniform photos of their team, event speakers or influencers, enhancing their broad and enriching their protessions. By utilising Artificial Intelligence and a unmber of add-one and customisations, companies are offered a new innovative way to distinguish their brand. The app will enable a business to set their own preferences and personalised themes, showcasing their species on their website and other publications in a uniform and brand enhancing way. It will be the first subscription-based B2B professional photo-making assistant and is expected to disrupt the photography industry, offering a convenient and cost-effective solution to a problem being faced by local and global companies.
INNOVOUCHERS/1217/0196	Virtual Reality and EHR integration	SILVERSKY3D VR TECHNOLOGIES LTD	Kleanthis	Neckleous	5,000.00 €	5,000.00 €	Silversiy, 20 team uses VR in a variety of projects of scientific and societal value and not until recently applications within the healthcare sector such as took for physical and mental rehabilitation and VR versions of Electronic Health Records. Virtual Environments and games for rehabilitation purposes as well as User Interface modules for previewing medical data and portraying have seed as in a personalized, intuitive and user friendly virtual workspace have been extensively studied and prototyped developed. However, one aspect of development was posed as ignificant challenge for the company rise propriet and prototyped developed. However, one aspect of development has posed as ignificant challenge for the company rise propriet and prototyped developed. However, one aspect of development which such such as the second prototyped developed with structural and relational Data Bases like for example Electronic Health Records. What is needed to upgrade our services and scale up our company is to integrate service-oriented components and APIs that will allow interfacing the Unity platform with EHR systems (for the medical applications) that follow the interoperability principles and EU guidelines. This is a complicated task requiring high development skills and specialized expertise or date exchange interoperability standards and protocols between diverse systems, especially when dealing with health-related applications. But, high level development skills and specialized expertise with respect to interoperability issues are characteristics found in the 3AeHealth team.
INNOVOUCHERS/1217/0198	VR Training Game	LA HUMAN CAPITAL ASSOCIATES LTD	Leonidas	Alexandrou	5,000.00 €	5,000.00 €	The Caragua Bridge Challenge, is an immersive Virtual Reality experience that merges elements of classic role- playing garning with a practical application of key soft skills – namely time-management, problem-schoring and analytical and critical thirking. The VR experience is intended to be part of a blended learning approach by self- development mentor. Leonidas Alexandrou, who will then evaluate and frame each player part promises of the preson. All he start of the game, the player finds themselves high up in the Andes mountains, at one side of the ancient Caragua Bridge, that stretches across a deep gogs, leading all the ways to the mythical City of God. Instructed by a latiking McCara person, the player leanes that after they get to the hallway point, the bridge will collapse if it carries weight over 50kg. The player also learns that from the game, by the weights 50kg, and that they are carrying 10 places of equipment (e.g. a silver-pladed pistol, a glass bottle containing sleeping powder, etc.) each item with its own specific weight. They are also given information about the stranger customs and beliefs of the hostile residents of the City of God, to take into account when making the stranger customs and beliefs of the hostile residents of the City of God, to take into a to discard under time pressure (three minutes are permitted, star to finish) as they start crossing the Caragua Bridge to the getting to its hardway mark. Pleyers are not permitted to discard the heaviest of the lims, while, and addition to the larnes weight, their relative uselfulness to the player in facing the hostile City of God residents on the other side of the bridge, must also be later into account. The game ends when the player gets to the Caragua Bridge is hallway mark. Pleyers are not permitted to classare (without actual simulations) because the player is not carrying a light enough load, or, the player will have discarded the right combination of items and be light enough to continue.
	using seismic isolation to steel structure residential homes		Andreas	Nikolaou	5,000.00 €	5,000.00 €	The earthquake design is based on criteria which are defined in various specifications such as the Eurocode 8, the criteria real seased on the current state of the art. As such the design of a building cannon guarantee selley in case of one of the criteria is violated. For this reason the criteria are always under review as a function of the new state of the art. The basis of seasine isolation is the isolation of the building form the desplacement of the founding soil as opposed to the normal practice. The base isolation has to be designed to provide flexibility in the case of an earthquake while at the same time provide stiffness against other lateral loads such as wind. Moreover, the challenge of the base isolation design is to allow the building to return to its original place once the earthquake is passed. This is managed with the use of bearings at strategic locations of the structure such as the foundation. The bearings allow the movement of the building in the direction of the earthquake is residently as the structure such as the foundation. The bearings allow the movement of the building in the direction of the earthquake is referred, such devices are mainly used in important buildings where the use of such devices can be justified. This project involves the direction of the results the CALCULUSENS LLC will evaluate the potential of promoting this foundation on such buildings. The resolution is the contraction of the contract
	SOFTWARE PROTOTYPE DEVELOPMENT	Fotis Ioannou (INFIAPPS)	FOTIS	IOANNOU	5,000.00 €	5,000.00 €	To develop the prototype for the online platform.

INNOVOUCHERS/1217/0202	Website moc-up and analysis	Forsat advisory and associates tid	Andreas	Constantinou	2,500.00 €	2,500.00 €	The particular project will be prepared by a website developing company. The company will undertake the preparation of he back office backs chart flow, through creating an experimental on line portal along with data analysis for the preparation of a Unified Pancyprian educational on-line admission portal. The main objectives are to be able to inform students and agents the chance to apply on line through a single application form for more than one institutions and follow, the procedure up to the moment the students arrives to Opprus. The potential autome from the preparation of the experimental online portal, is to present the moc-ups to all the educational institutions within Cyprus and Agents abroad in order to receive feedback and develop the main online portal in accordance of their need and demands. Through seeing the prototype portal at the initial step, it would be easier for them to understand the concept of it in order to participate in general. This project would benefit not just the institutions but the whole industry in general. It would both the number of international students coming to Cyprus for studying and a positive effect in the overall society since it is targeting to expand the education in Cyprus internationally as well the country as a touristic destination.
INNOVOUCHERS/1217/0204	Optimization of RAdiaTion using 3D printed masks for Skin cancer	LINAC-PET SCAN OPCO LTD	Nikolaos	Zamboglou	5,000.00 €	5,000.00 €	MEDSONIC has the right expertise to produce from imaginary targets and then convert these images to STL drawings which are compatible with 30 printer. The second stage of this innovation cuspon is to manufacture several masks using 30 printing technology. A cost analysis of the prototype will be prepared. It is likely that 2 or 3 different designs are prepared until an optimized prototype is developed. The designed mask will provide optimum threapy thus optimizing they photon delivery to the target. With this collaboration LINAC-PET SCAN OPCO LTD (Legal Name)(German Oncology Centre, Business Name, Limassol) will improve its existing services.