NURE report on the implementation of tasks to achieve the goal of "Partnership for Sustainable Development"

Introduction

The UN Summit on Sustainable Development in September 2015 adopted an Agenda for the period up to 2030, including the identification of 17 sustainable development goals. Goals should help unite the efforts of all countries to ensure a more harmonious life for their citizens and the development of the planet. The implementation of the goals of sustainable development at the national and international levels requires global partnership and active involvement of all stakeholders: representatives of government, the public and business. The University accepts and shares the goals of sustainable development, and contributes to their achievement consistently.

Universities around the world are keen to maintain their relevance and competitiveness, and the positive impact on society and the economy, the "third mission" of the university, is increasingly becoming a declared strategic focus. Universities must respond to the needs of society and market needs, linking institutional activities with local socio-economic development.

In order to establish a constructive dialogue, in October 2018, a permanent workshop on "Sustainable Development Goals" was launched at the University to promote the development of competences in the field of sustainable development, awareness raising, awareness and interest in the Sustainable Development Goals. The tasks of KNURE on their implementation ". The priority of this initiative is to provide an analytical and systematic approach in studying the problems and opportunities of the university in achieving the CSR. Taking into account the Strategy of Sustainable Development of Ukraine and the results of the adaptation of 17 global DSBs taking into account national specificity, in pursuance of the decision of the Seminar on Priority Actions for the Development of Partnership for Sustainable Development, the 04.01.2019 Strategy for Internationalization of KNURE was developed and approved.

To confirm the commitment to sustainable development, synergy between the efforts of government, business and civil society and the efforts of the University to contribute to the achievement of the CSR, the KNURE joined the ranking of the Times Higher Education University Impact Ranking 2019. The experts assessed the contribution of the University to providing quality education for life, inclusiveness , health improvement, family planning, family planning, physical culture and sports, ensuring safe working conditions, gender equality and non-discrimination, infrastructure development, and technology innovation, partnership at the local, regional and state level, cooperation with business, non-governmental organizations, etc.

These aspects of activity are components of the "third mission", the paradigm of social influence of the University and reflected in an active social position, harmonious coexistence, interaction and constant dialogue with the society, participation in solving socio-economic problems. Based on the results published on April 3, 2019, the University ranked in the 301+ range in the overall ranking. In addition, for individual CDRs, the KNURE received seats in the range:

3 Strong health and well being 301+

4 Qualitative education 201-300

5 Gender Equality 101-200

8 Decent work and economic growth 201+

9 Innovation and Infrastructure 301+

17 Partnership for Sustainable Development 201-300.

This year, the University, always open to cooperation and development, continued its cooperation with non-governmental organizations, business, charitable foundations in order to achieve the goals of sustainable development. Thus, during the year in the form of charitable contributions from various sources equipment, equipment, furniture, and computer equipment were received from more than two million hryvnias.

The University develops international relations. Almost all departments have memorandums and agreements on partnership with foreign universities, companies and this cooperation is constantly expanding.

The University has gained high-performance partnerships with IT companies. IT companies are actively involved in cooperation in different areas: organization of practical training, placement of graduates, internship of teachers, Base Camp, seminars, presentations, open lectures, networking, free courses and internships, involvement of practicing lecturers from companies, opening and upgrading to the educational process computer classes.

Cooperation with government bodies

The researchers of the University took an active part in the work of subcommissions of the Scientific and Methodological Council of the Ministry of Education and Science of Ukraine: they developed and carried out a professional examination of higher education standards for the first (bachelor) and second (master's) higher education.

The personal composition of the Scientific and Methodological Commissions of the MONU from KNURE includes:

Specialty 113 Applied Mathematics - Kirichenko L.O.

Specialty 121 Software Engineering - Dudar Z.V.

Specialty 122 Computer Science - Erokhin A.L.

Specialty 123 Computer Engineering - Kovalenko A.A.

Specialty 125 Cybersecurity - Khalimov G.Z.

Specialty 153 Micro- and nanosystem engineering. Electronics - Kartashov V.M.

Specialty 163 Biomedical Engineering - Avrunin O.G.

Specialty 172 Telecommunications and radio engineering - Lemeshko O.V.

Specialty 173 Avionics - Panchenko O.Yu.

Prof. I.V. Ruban and Chief Legal Officer D.I. Chulkov is a member of the working group with the participation of representatives of the Ministry of Education and Science, other ministries, state and private enterprises for the development of the strategy of innovation development of Ukraine with a view to further implementation of the plan of increasing competitiveness in Europe and the world.

Associate professor of the PI Department Ilona Revenchuk is a member of the MES working group on the drafting of the draft law of Ukraine "On Adult Education".

Prof. GI Churyumov is a member of the working group for the development of questionnaires for candidates for experts in evaluating the effectiveness of scientific institutions.

Leading Scientists at the University Y.V. Bodiansky, G.I. Churyumov, D.V. Ageev, I.V. Grebennik, V.M. Kartashov, V.M. Bezrukh work as experts of the sections on the specialty of the Scientific Council of the Ministry of Education and Science.

Chief Researcher of the Problematic Research Laboratory of ACS S.V. Popov is a member of the working group on the competitive selection of experts in the sections on the specialty of the Scientific Council of the Ministry of Education and Science and the Expert Council of the Ministry of Education and Science.

Kharkiv National University of Radio Electronics is a full member in the development of international ISO standards for data processing in the ISO / TC 276 Biotechnology, WG 5 Data Processing and Integration Committee, a subgroup of MPEG standards. Prof. Department of ST A.S. Nechiporenko represents the University as a collective member in the Technical Committee 166 "Clinical laboratory research and systems for diagnostics in vitro" by the national standardization body of the State Enterprise "UkrNDNTS".

Business Incubator YEP!

On November 15, 2018, the Academic Business Incubator YEP! started operating in KNURE!

YEP! is a network of academic business incubators, in which students and young scientists learn to create their own startups http://www.yepworld.org. To the YEP network! includes student start-up clubs in 23 Ukrainian universities, business incubators in Kyiv and Kharkiv and a business program in Moldova. YEP programs! with the support of Cisco, Deloitte, LuckyLabs, the embassies of Estonia and Israel, the Ministry of Education and Science and the Ministry of Economic Development and Trade. In the KNURE the business incubator is openly supported by the Kharkiv Regional State Administration.

YEP mission! - Creating an ecosystem of youth entrepreneurship in Eastern Europe, which provides young people with opportunities for personal and professional development. The incubator has the status of a regional one, and not only the students

of Kharkiv, but also the neighboring regions will be taught entrepreneurship, project management, marketing. Yep! on the basis of KNURE is a platform for student initiatives and startups, it is an opportunity to try yourself in business without risk and start your own startup in 3 months.

With the support of YEP! free lectures organized:

February 16 - Oxford University Graduate Mike Staresignick on the topic "Innovation Concept - Universities and Industry: Strategies for Development and Cooperation" - UniversityRelations (UR);

March 1 - Leading Project Management Specialist, Professional Scrum Trainer, SAFe Oded Tamir Program Consultant on Managing Projects in Complex Environments. Why projectsfails? "On modern Agile methods for project management";

March 18 - founder of Shelf.Network Lashi Antaze on the topic "Blokchain - startup withoutICO";

March 20 - Managing Director of @SourceAngel (Denmark) Henning Houstrup (Henning Hoerstrup) on "Opportunities for building different types of apps as a startup";

April 6 - Vladimir Obrizana, co-founder and director of Design and Test Lab, founder of the First Institute of Reliable Software on "How to Run the Design and Test Lab";

April 20 - Svyatoslav Kholoda - game designer and artist concept from Lviv on the theme "Fundamentals of level design: designing the virtual world";

June 9 - Sunday Faronbi - Chief Consultant Rebooth Consulting (USA) on "Emotional intelligence as a key factor in successful project manager."

May 21 regional finale YEP! Starter in Kharkiv was held. The Kharkiv Regional Final brought together students who created hard-drive, software and social start-ups. In particular, MainStream - drone with audio advertising; Sound off - stylish hearing aids for children and adults; DreamSpace is a platform for consulting your ideal psychologist.

The winner of the Kharkiv Regional Final was the startup of Video2Cast - a blogging service for bloggers who want to place audio podcasts from their videos in addition to the video. Thanks to this startup they will be able to increase their audience. The project fully automates the conversion of video into audio podcasts and places an entry on the most popular platforms.

The professional jury has identified the 4 best designs that will take part in the national final of the YEP DemoDay project in Kyiv on June 24th. YEP! Starter is supported by the Ministry of Foreign Affairs of Estonia, Garage48 and Beetroot Academy.

School of Social Designing and Granting «Open Grants School»

As part of the partnership with the Department of Family, Youth and Sports of Kharkiv City Council and Kharkiv Oblast Union "Youth Initiatives" from February 20, 2019, the Open Grants School of Social Designing and Grantwing conducted a regular

set of students and conducted classes on the basis of Kharkiv National University of Radio Electronics. Today, the project remains unique for Ukraine.

The goal of the project is social integration within the framework of the concept of sustainable development, development of competences and skills of representatives of civil society organizations who are willing and able to initiate and implement social innovation projects in Kharkiv in various spheres of life.

Grantwing school is the key to attracting social investments from international donors to the development of Kharkiv and helping talented young people to implement their plans.

Of the more than 300 applications, 100 people were selected on a competitive basis. Education at school is free of charge. Students learned how to create, present a project and manage it, get a team, write a grant application, generate a budget, what is intellectual property, social entrepreneurship, crowdfunding, and more. The Open Grants School program includes workshops, personalized tasks, meetings-consultations with experts.

For the past two years, the students of the school were about 300 people. Many of them after the training submitted their proposals to the city contest of innovation-investment and image projects, and 11 projects out of 18 winners of the competition were initiated by the graduates of the School. Among them: SmartJob - an integrated resource for finding a job in the digital world, "School of a Modern Official", a theatrical and design festival "Live!", A project for the development of sunny children, etc. All of them were successfully implemented in Kharkiv.

Partnership with the International Foundation for Election Systems (IFES)

In January 2019, the Kharkiv National University of Radio Electronics signed the Protocol on Cooperation with the International Foundation for Election Systems (IFES) https://www.ifes.org. In the framework of partnership for the sake of sustainable development, KNURE will take part in the development of programs that are an integral part of the interactive IFES Civil Education course "Democracy: From Theory to Practice".

On February 16-19, 2019 a group of teachers of the University passed the first training on methodology of teaching civic education. As a result of the training, they will present an interactive course "Democracy: from theory to practice" that will last for one semester. The training was organized by IFES in order to prepare participants for the teaching of the Civil Education course "Democracy: From Theory to Practice". The course on civic education was developed by IFES and will be implemented in the 2019/2020 academic year for students of the first (Bachelor) level of higher education in the amount of 3 credits, according to the decision of the Academic Council № 4 dated 29.03.2019. This event was made possible thanks to the support of the United States Agency for International Development (USAID), the Ministry of International Affairs of Canada and British assistance from the Government of the United Kingdom.

An interactive course developed jointly with leading Ukrainian and international experts taking into account the Ukrainian context. It is based on the civil education

methodology used by IFES around the world: Strengthening Engagement through Education for Democracy or SEED.

The aim of the course is to develop the knowledge, skills and values associated with the effective democratic citizenship of students. The course is aimed at developing a new generation of democratic leaders. The topics of the course are gender equality, minority rights, inclusiveness and accessibility for persons with disabilities, electoral rights, good governance, rule of law, media literacy, public participation through the use of information technologies, diversity, the role of money in politics, the role of youth and corruption..

Coworking "Anticomfort"

February 28, 2019 in the auditorium 352 Kharkiv National University of Radio Electronics opened the coworking space for students, which was implemented through cooperation with the project "UPSHIFT" from the UN Children's Fund (UNICEF) in Ukraine, the European Union and the NGO "Professional Development Fund of Kharkiv".

Coworking has no clear limitations on visiting. Anyone can come here. But, first and foremost, his target audience is students and employees. Coworking is a space for discussion of design, work, and educational issues. The project, designed to provide young people with the necessary skills, will enable students to act as agents of social change through a variety of educational, practical and social activities.

Scholarship Program Das Stipendien Program der Deutschen Wirtschaft für die Ukraine

On behalf of the German Federal Government, the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), is working to improve the opportunities for young people in the labor market and thus supports Ukraine in the implementation of its National Sustainable Development Goals 2030. The scholarship program provides Ukrainian students with an opportunity to undergo internships at the leading German enterprises. Among them are world-famous Bosch, Bombardier, SAP, PwC, Commerzbank, Metro, Kaufland, Deutsche Bahn, John Deer, Allianz, Hannover Rück. The program participants also include some research institutes that provide postgraduate students and students who relate their future to scientific work.

Given the reform of higher education, internationalization is becoming increasingly important, and in this context, the mobility of Ukrainian youth. The program aims to encourage young people to consider studying foreign languages as a long-term and promising investment in the professional future. The duration of the practice is up to 5 months. Total duration of the program: 2014 - 2021.

In the 2018/2019 academic year, two students at the University of Queensland, M. Dominov, A. Pirus, and the postgraduate student of KIU D. Sandkin, under the scholarship program, underwent internship at Bosch.

Collaboration with LG

LG is a world leader in innovative solutions for electronics, mobile communications and home appliances. The University has entered into cooperation agreements with LG's investment group in Poland: LG Chem Wroclaw Energy Sp.z.o.o. - an enterprise located in Biskupice Podgorny, near Wroclaw, and is the only base for mass production of lithium-ion batteries in the automotive industry in Europe;

and LG Electronics Wroclaw Sp.z.o.o. - a factory for the manufacture of electronic devices and household appliances. Collaboration with the advanced industrial company is a direct response to the new challenges of time and part of the strategy of training specialists for the fourth industrial revolution.

The purpose of the partnership is internships and professional training within the academic mobility of the students of the Faculty of Automation and Computer Technologies based on the enterprises and research center of the Reseach & Development Center LG.

The Polish side organizes vocational training in the territory of the Republic of Poland as an integral part of the training process of specialists, assumes the costs of travel and accommodation. Also, according to the terms of the partnership, offers graduates employment. During the academic year, 4 students of the FTT ACT took internship.

Partnership with Turkish Airlines

In February 2019 an agreement was signed on cooperation with the Turkish Airlines. From now on, all university students and university students can use the Turkish Airlines Corporate Club program. This partnership will enhance the opportunities for participation in international conferences, other scientific and educational events abroad, will allow expanding the geography of academic exchanges, and raising international cooperation to a new level.

With the support of the air partner in April 2019, expert lectures by Professor I. Eisenberg of Manhattan College (New York, USA) on machine learning were organized and the prizes were awarded to the winners of the second stage of the All-Ukrainian Student Olympiad.

The company was one of the sponsors of AI Hackathon, held May 18-19, 2019 in the Science Park "Synergy".

Partnership with the rayon council of the city of Skole, Lviv region.

In 2018, mutually beneficial non-profit cooperation in the field of the theory and practice of development of territorial tourism with the administration of the city of Skole in the Lviv region was started. Cooperation with the local community is carried out in the form of exchange of non-profit scientific and practical information on the following issues:

Application of modern marketing concepts and effective strategies for the development of regional tourism, marketing research;

Joint work of creative solutions in order to create a unique image of the territory and increase its tourist attractiveness, application of modern technologies and tools of information support of the processes of practical implementation of tourism development strategies in the Skoliv district;

Consulting services and methodical support of processes of development and practical implementation of strategies for promoting the territory of the Skoliv district as a tourist facility;

Development and implementation of informational support for tourism development - software tools (Internet resources, mobile applications), creation of multimedia electronic publications for distribution of tourist image of the region and provision of high-quality information and navigation services for tourists.

Partnership with the Federation of Cybersport of Ukraine

In order to organize student leisure and popularize the youth, on March 9-10, the Kharkiv National University of Radio Electronics, in partnership with the Ukrainian Cybersport Federation, Dream Machines, the Ukrainian representative office of the Red Bull Energy Drink Company and with the support of the Kharkiv City Council, held the UESF Kharkiv Esports Challenge tournament. CS: GO.

Counter-Strike: Globa lOffensive Tournament was held under the system of single-elimination (playoffs). Participation in the tournament is free for everyone. The prize fund was provided by the UESF Federation of Cybersports. The tournament was attended by 32 teams from all over Ukraine.

The UESF Kharkiv Esports Challenge was sponsored by the Student Senate volunteers.

ISACA Student Group and Student OWASP chapter

The partnership with the noncommercial global Information Systems Audit and Control Association (ISACA) aims to provide students with the opportunity to acquire a host of modern knowledge, competitive advantages in the labor market, and the ability to use ISACA methodological materials to enhance their professional skills.

Activities The ISACA Student Group promotes the training of skilled IT administrators, information security management, IT risk management and IT audits.

The officially recognized ISACA Student Group in Ukraine is only two, one of them established at the Department of ICI.

The ISACA Student Group participants have access to ISACA's scientific publications and methodological developments, including the ISACA Electronic Library (ISACAeLibrary); a large number of standards and best practices, as well as examples of their successful application (CobiT, Risk IT, ValT, ITAF); the results of global research conducted by the association; materials for training in IT management, information security management, IT risk management and IT auditing.

On April 3, 2019, students and postgraduates took part in the ISACA Online Career Fair, a vacancy fair that is part of the ISACA Career Center.

Non-Profit Organization Open Web Application Security Project (OWASP) Foundation is an open source company dedicated to helping organizations create, develop, acquire, maintain and maintain applications.

The Student OWASP chapter is designed to enhance students' knowledge and skills in securing web applications, taking into account both the human factor and the technological level. Activities The Student OWASP chapter promotes the training of skilled professionals in the field of information and cyber security through a variety of conferences, training sessions, and workshops on security issues for web applications. Participants in the Student OWASP Chapter receive the opportunity to participate in educational events held under the patronage of the OWASP community.

On March 16, 2019, the OWASP Kharkiv Conference was held on topical topics "Browser and non-browser methods for identifying users of web resources", "Secrets. Keys to the kingdom "," OWASP ASVS 4.0, What's new and How-to-Use it ".

Ahmad tea LTD

The partnership between the Center for Remote Learning Technologies of KNURE and the company Ahmad tea LTD continued. https://ahmadtea.ua/ua/charity#education

With the support of the British company Ahmad tea LTD for pupils of the Novovodolazhka sanatorium educational complex of the Kharkiv Regional Council, distance learning classes for senior pupils are organized. Teachers at the university spend time in their free time.

Upon completion of the course, each pupil receives a certificate. In the process of learning, everyone has the opportunity of direct communication with a teacher.

Each student has his own mailbox, which he teaches on a homework assignment. The teacher evaluates and conducts an individual consultation on Skype. An electronic library is organized where students with the teacher have the opportunity to find any necessary literature for school lessons and to increase their intellectual level, depending on the interest of everyone. The project includes a program of training of 5 subjects: Ukrainian language - Department of Ukrainian Studies, English language - Department of Foreign Languages, practical computer science and computer graphics - Department of Program Engineering, Mathematics - Department of Applied Mathematics.

Science Park Synergy

The Innovation Science Park Synergy began its work. The solemn opening took place on April 9, 2019, with the participation of the head of KHODA Yu.O. Svitlychna, Director General of the Directorate of Science, MES D.V. Cheberkuss, Honorary Consul of the Republic of Armenia, Armen Aslanyan. Kharkiv Regional State Administration acted as a synergistic partner, joining the efforts of scientists, educators and active business. LLC "Creative technologies" and "ROBBURD-GROUPS" became private investors of the project. That is, the authorized capital is completely Ukrainian and taxes will go to the Ukrainian budget.

During the academic year, about 1500 square meters of floor space were installed, with lecture rooms, classes equipped with Apple computer technology, coworking, Robotics Robotics Laboratory, virtual reality and 3D modeling, block room, cinema for visualization of developments, conference room , cafe and sports area. Due to this project students of KNURE have the opportunity to master practical knowledge on modern equipment under the guidance of qualified IT specialists.

Synergy became the first science park in Ukraine that joined the International Association of Science Parks IASP, and now represents our country on an international level. The Association was founded in the 80's of the last century and unites more than 400 scientific parks from 80 countries of the world. Entry requirements are the availability of a powerful material base and innovative projects. One of the first projects of Synergy was the development and provision of interactive tables of educational institutions involved in the Nursery project - the new Ukrainian school. The park implements the project of adaptation of ATO participants with the help of virtual reality and the development of small children's motility, including autism. Also in the immediate plans of Synergy, participation in the innovative business incubator eō Business Incubator, which operates on the basis of NTU "KhPI" and created with the support of the Ukraine Phoenix Venture Capital Fund and investment banker Charles Whitehead.

Active work of the Park began on the 3rd International Forum "Innovation Market", which was held under the patronage of the Cabinet of Ministers of Ukraine on November 21-23, 2018 at the International Exhibition Center (Kyiv).

Throughout the school year, the NURE Data Science workshops were held on the basis of the Park.

On March 12, 2019, SYNERGY IT-school started its work with the Science Park team of specialists in animation, graphic design, 2D graphics, programming (frontend, backend, PHP, iOS, Android, Java), 3D simulation, analytics (SEO, SMM). , HR, PM), AI, VR, Robotics.

On April 11, 2019, on the basis of Synergy Park, a presentation of a student incubator for Cisco engineers - "Cisco Incubator Program" - was held.

On April 25, 2019, SecurityDay'19 was held, which included leading cyber security experts:

Volodymyr Bezmaliy is an expert in the field of Consumer Security, Microsoft Security Trusted Advisor, a certified trainer and consultant at Kaspersky Lab;

Oleksiy Baranovsky is a certified cyber security coach and founder of CyberSecuritySchool, the first in Ukraine;

Vadim Chakryan is a security analyst at DataArt;

Alexander Adamov is an expert on malware analysis, head of the research laboratory NioGuard Security Lab, trainer of Cyberpolice of Ukraine;

Nir Ben David (Israel) - Cybersecurity expert with the report "Vulnerable Point - Risks in the Digital World".

May 15, an open meeting with the singer of the group "ANTITALY" Taras Topolej was held at the Science Park.

May 16 - a lecture for schoolchildren on the topic "City of Occupations" from the deputy of the city council Olga Chichina.

On May 18-19, 2019, Al Hackathon was partnered with Turkish Airlines and with the support of AltexSoft and Akvelon Ukraine. 11 teams were registered, among which three winners were selected.

The Gerry team, with its mobile application, took the first place, which will help the user to recognize or recycle the product, define its category, and indicate the processing point nearest to the user.The second place was the "Flysubmarina" team, which offered the technology of identifying pedestrians who cross the road to the traffic light forbidden. The third place was the team "Red Semi-sweet" with a prototype, which allows you to translate sign language.

The winners received prizes from partners Akvelon Ukraine and AltexSoft. The organizers offered to speak to the teams who took the first and third places at the Istanbul Technical University and present their projects. This was made possible thanks to Turkish Airlines partners who provided certificates for a flight to Istanbul (Turkey).

On May 21, the regional final of the three-month program YEP! Starter was held.

On May 22, 2019 the Department of Ukrainian Studies and Science Park Synergy held the XI International Scientific and Practical Conference "Cultural Diversity: Material and Intangible Culture of Different Countries of the World" dedicated to the World Day for Cultural Diversity for Dialogue and Sustainable Development.

On June 8, Kir Bliumkin, a programmer at Grid Dynamics from California on "Spring for beginners and not only," was organized.

In July, the SYNERGY CAMP children's camp will be set up, which will combine rest and education for children aged 8 to 11 in the Science Park. In addition to the usual fun, walks, plasticine cartoons, cartoons, classes will be organized in English, robotics, the group "Young Blogger".

Kharkiv IT-cluster

March 21 Kharkiv National University of Radio Electronics and Kharkiv Information Technologies Clusters signed a memorandum aimed at expanding existing cooperation in the field of training IT specialists, creating modern conditions in the educational process and introducing the latest technologies.

In partnership with the Kharkiv IT-cluster and one of the leaders of the IT industry in Kharkov, AltexSoft University launched a educational project for prospective, talented young people seeking to gain knowledge in the field of computer science, TechTalents.

The aim of the project is intensive study of special sections of mathematics, taking into account applied programming. It provides an in-depth study of complex algorithms with practical application in various areas of IT - artificial intelligence, search engines, processing of large data. TechTalents is implemented on the basis of the department of software engineering. The cycle consists of 10 credit courses taught by recognized experts and IT experts who are "external" lecturers. The main feature of the project - to become a student can be a student of any specialty. That is, if a person for

some reason could not enter the computer sciences (for example, there were not enough points for external humanitarian subjects), but he knows mathematics well, he can quite count on participation in the project.

March 21, 2019, at the Interuniversity Regional Olympiad in Mathematics among students of non-mathematical specialties, which took place on the basis of NTU "KhPI", students Kachanov SA, Bezrodny VV, who are engaged in the program TechTalents, took prize places.

In September 2018, with the support of the IT cluster, a problematic research group on the intellectual analysis of NURE Data Science data was created.

The main goal of the scientific group is to create a modern scientific association of students, graduate students, young scientists and representatives of the IT industry to popularize the national science and its access to the international level. NURE Data Science is the development of Data Science, Big Data solutions, the development of a knowledge intensive IT sector, work on real projects, communication with interesting people, training, career development, and the deployment of AI. NURE Data Science is open to anyone who is studying or working in a given subject area and acting on a volunteer basis on the initiative of university lecturers.

In partnership with the Kharkiv IT-cluster, the Open IT project is also being implemented - a series of training workshops for students of technical specialties. The purpose of the project: to increase the motivation of students to deep immersion in trend areas. The speakers are Senior and Lead-level professionals, crypto security experts, BlockCheins, Machine Learning, Robotics from IT cluster companies. The involvement of industry experts is volunteering. Kharkiv IT Cluster introduces students to the IT industry's range of specializations and helps to select a project that has the advantage.

On May 22, within the framework of the Open IT project, a Workshop on "Embedded Systems" took place - features of the work and application of digital embedded systems, modern trends in their development. The speakers presented the project "Social robot", described the subtleties of work with microprocessors and the principle of the submersible engine, the process of creating robots, a full-fledged function of robotics, and gave the classification of the stages of development of this dynamic sphere; Also the project students presented the Junior Club certificates.

Partnership with Sigma Software

Sigma Software University is an educational platform created by Sigma Software. In this academic year, the University continued to work fruitfully with the company.

With the support of Sigma Software, on February 5, 2019, the opening of the next round of circles "Young IT-skrynyk" for high school students from different schools of Kharkiv was held. The project is implemented jointly with the faculty of the program engineering department and aims to enable all those wishing to join the most advanced programming technologies, expand their knowledge and improve practical skills, and prepare for participation in future Olympiads and tournaments.

At the end of February 2019, the presentation of the 9th Agile program season was held at the University. Agile practice is a unique educational project developed

jointly by the Kharkov National University of Radio Electronics, Sigma Software and Linnaeus University (Sweden). The main goal of the project is to teach future professionals to think in the spirit of Agile and adapt them to work on real tasks in real projects. This format allows participants to try their forces in team work: under the direction of the mentor to immerse themselves in the real environment by studying the Scrum processes and best practices for applying the Agile methodology.

At the end of May 2019, Sigma Software Group presents the results and presents with gifts from the 3rd year students of the PI Department.

Also in KNURE there is a high-tech laboratory equipped with Sigma Software. Modern students are increasingly following the trend of BYOD (bring their device), that is, they are taking their laptops, tablets for classes. The laboratory is equipped with this trend. In the Sigma class, in addition to regular classroom activities, special courses and trainings are organized with the participation of specialists of the company.

Human Study e.V.

On October 25, 2018, the Kharkiv National University of Radio Electronics signed an agreement with the Ukrainian Research Institute for Prosthetics, Prosthesis and Rehabilitation, and the Human Study e.V. Human Study e.V. - A non-profit association accredited by the World Health Organization (WHO) and the International Society for Prosthetics and Orthotics (ISPO) specializing in training in the field of prosthetics and orthosis.

The agreement is based on agreements between the Cabinet of Ministers of Ukraine and NATO on cooperation in the field of medical rehabilitation, in particular physical rehabilitation (prosthetics) of servicemen wounded in an antiterrorist operation.

The purpose of the agreement is to participate in the project "Creation of prosthetic and orthopedic education in Ukraine", initiated by the NATO Support and Supply Agency, the Ministry of Social Policy of Ukraine and Human Study e.V.

The University will develop a training program for trainers / trainers for prosthetics and orthosis according to international standards of ISPO Category II based on the educational program "Orthopedic technologies and engineering" in specialty 163 Biomedical engineering of the second (master's) level of higher education. Under the conditions of successful mastering of the professional program of prosthetics and final control of the ISPO, the student is awarded an international qualification - ISPO Category II "Associate. Prosthetic / Orthosis" with the receipt of a certificate.