



Free Russian Language Course for Iranian Students

One of the universities of Russia has announced that more than 1 million students from the Islamic Republic of Iran could learn Russian language free of any charge. According to Sputnik, based on an agreement signed by the Islamic Azad University of Iran and Synergy University of Russia, this service would be provided for the Iranian students.

In an announcement issued by the PR of Synergy University, it is said: "According to one of the articles in the agreement signed by the two universities, special attention would be paid to free courses of Russian language for Iranian students. Also, this agreement would help both sides to conduct joint programs in different levels of education, from undergraduate to post-graduate. Also, it is planned that more than 15,000 students from both Iran and Russia to be recruited in the joint educational program of the two countries, designed in the form of multimedia courses." It is worth mentioning that in the past April, Dr. Mirzadeh, IAU's Chairman, travelled to Russia to officially inaugurate the cooperation office of this university in Moscow with the help of Russia's Synergy University.



Introducing Long Range UAV in Ilam Branch

In the 4th Exhibition of Research and Technology Achievements of the Islamic Azad University, a UAV (Unmanned Aerial Vehicle) was unveiled which is capable of carrying multiple cameras such as thermal and mapping ones and is equipped with a laser sensor or LADAR, giving it the ability to produce a 3-dimensional image of any location which is suitable for AutoCAD.

This is the first UAV capable of flying for 4 hours. According to Danial Vahdati, IAU's student presenting this design, the main feature of this UAV is its powerful battery with a new technology that has been produced in Iran for the first time.

This UAV could fly up to a maximum of 600 feet, with an identification radius of 200 km. It weighs 6 kg and is capable of carrying an extra 3 kg of cargo.

Also, this device is also equipped with smart flight system and autopilot; in other words, it could be pre-programmed to take images of specific locations. Vahdati said: "This UAV could fly even in bad weather such as rain or storms. It also does not need a long runway to take off, due to its long and powerful wings that help in taking off even in short distances."

We welcome your views and memos on the related topics. You can contact us through: english@fdn.ir.

Development Assistant of President's Science Deputy

IAU Technologies on par with International Examples



Dr. Vatani in Farheekhtegan Festival

Dr. Ali Vatani, Development Assistant of Science and Technology deputy in the Presidential Office, visited the Exhibition of Science and Technology Achievements of the Islamic Azad University and observed the knowledge products of Soufian branch. In a talk with the producers attending the festival as branch representatives, Dr. Vatani provided his expert opinion regarding the mass production of industrial and recyclable timber and paint, guiding this productive unit in the way of attracting financial and expert support from the outside parties. Dr. Vatani mentioned the current trend witnessed in the research and technology activities of IAU and added: "Considering this trend, we are expecting that production and export of knowledge products labeled under the name of IAU turn into one of our valuable possessions and the index of our prosperous economy."

Success through Knowledge

Dr. Vatani said: "It has not been long since

the new management started its work inside IAU and the statute of knowledge companies was issued just 5 years ago. Three years ago, we had only 2 knowledge companies; currently, their number has risen to 2,350. The level of the technologies I witnessed in this exhibition was on par with the international markets and as I see them, they could compete with the similar products in the foreign countries. The atmosphere in IAU and also the Science deputy of Presidential Office reflects the fine nature of the activities pursued in the field of knowledge and technology. We are hoping for a day that research activities and prototype of knowledge products could be successfully commercialized. This brings on the hope that all the university graduates could find a job fitting their academic training and in line with improving the different sectors of the country."

He appreciated the detailed planning of IAU and went on: "Success entails using all the possible capacities one has at his power;

there is no doubt that the exhibition of next year and its presented products compared to the current example should indicate a measurable growth and development. This development should include all the activities, from proposing certain projects to commercializing the final product. Our next goal is the long-term plan of 1404 in which, 50-percent of the national GDP should be produced through knowledge activities. The prerequisite for economic growth is establishment of knowledge companies and providing the necessary credits by institutions such as Science Deputy of the Presidential Office or the private sector; fortunately, current government is paying close attention to this issue." It should be noted that automatic condenser with a closed water cycle –saving the water used in chemical labs- is one of the products which alongside 4 other projects were showcased by Soufian branch of IAU (East Azerbaijan province) in IAU's Exhibition of Research and Technology Achievements.

Iran's News

Revealing Ionizing Generator for Restoring Diabetic Wounds



Arah Fatollah, student of Science and Research branch of the Islamic Azad University, says: "Considering the flaws of the common treatment methods, including damaging the healthy tissues, the long time required for the wound to heal which consequently increase the expenses and the chance of severe infections possibly leading to death, we decided to design an ionizing generator capable of reducing the issues and flaws of the current treatment methods, in addition to offering the precision that would not be found in laser treatment or surgery." Fatollah claimed that this device does not cause inflammation, making it suitable for uneven surfaces and added: "This device is composed of a power supply,

gas system and a plasma generator. Three main properties of plasma, such as producing free radicals and reactive ions, radiating UV rays and clashing of high energy particles to the surface leads to antibacterial and disinfection features, restoring the wound."

She went on: "This plasma is produced in open space and could be flashed directly on the target.

Also there are no restrictions regarding the size and dimensions of the target. Thus it could be used in direct treatment methods such as skin treatment including restoring tissues and wounds and treating skin diseases, tumors, ophthalmology, and inflicting precise cuts on the skin without bleeding."

Publication of IAU's Lab and Workshop Texts



General Director of Lab and Research Development and Maintenance Network of the Islamic Azad University says that based on short-term courses planned in the specific field of lab and workshop, the offered topics would be gathered in the form of specialized texts for publication and distribution among the academic centers. Dr. Alireza Iran-bakhsh said: "Up until now, 3 volumes titled 'Advanced Machining Processes 1', 'Electric Protective Relays' by Khomeini-Shahr branch and 'Machine Tools' by Tabriz branch have been documented and admitted to this directory, which after official publication would be distributed among the interested branches of IAU. Besides appreciating the hard work of

those branches hosting these educational workshops, we are grateful that they show cooperation in the form of documenting their topics for the official publication. Currently, some other specialized texts are also being considered in the branches for documentation and publication and after they submission to this directory, their digital files would also be accessible in SAHA portal with the online address of saha.iau.ir." Iran-bakhsh appreciated the efforts of Ahvaz, Yazd, Lahijan, Tabriz, Rasht, Nishabur, and Naraq branches in planning and hosting the short-term educational courses and maintained that interested parties could refer to SAHA portal for more information about the courses and their time schedules.



SATURDAY, MAY 28: DR. MIRZADEH CHAIRMAN OF THE ISLAMIC AZAD UNIVERSITY, VISITED OF REPLICA IN ISLAMIC AZAD UNIVERSITY ARAK BRANCH

SEYYED VAHID HOSSEINI

IRAN UPDATES

Indonesian Minister due in Iran

Iranian Minister of Petroleum, Bijan Zangeneh, will meet his Indonesian counterpart in Tehran on Monday to discuss fresh energy cooperation, the Shana news agency says. Indonesia's state energy company Pertamina said on Friday that Indonesia's Energy Minister, Sudirman Said, is expected to sign an initial deal with Iran for the purchase of crude oil and liquefied petroleum gas (LPG). Said has said Indonesia is interested in a long-term oil supply deal with Iran to meet its rising demand for crude as the country is expanding its refineries. Indonesia is building four refineries, each with capacities ranging between 300,000 barrels per day (bpd) and 350,000 bpd, to cut its dependency on oil product imports.

Iran Inaugurated 10th Majlis

Iran inaugurated its 10th Majlis (Parliament), with senior government and military officials in attendance and amid heavy media coverage. On Saturday, the legislature hosted the aspirants, who secured the nation's trust during two rounds of general elections on February 26 and April 29. Reformists swept the polls, winning close to 42 percent of the ballots, followed by Conservatives (nearly 29 percent), and independents (22.41 percent). The elected lawmakers are to serve till May 27, 2020. The remaining 7 percent of the representatives includes the religious minorities and candidates endorsed by both Reformists and Conservatives. Majlis, also known as the Islamic Consultative Assembly, is made up of 290 parliamentarians, elected in 207 constituencies.

EU Firms Barter Auto Parts in Iran Petchem Deals

Reports by Western media show that European energy firms are using barter schemes to dodge banking obstacles in their efforts to purchase petrochemical products from Iran. Wall Street Journal has quoted Ali-mohammad Bossagh-zadeh, director of production control at Iran's National Petrochemical Company (NPC), as saying that EU companies are using automobile spare parts in "complex bartering arrangements" to buy Iran's petrochemicals. Under such an arrangement, a European company pays for the Iranian petrochemicals by sending money to an EU-based maker of spare automobile parts. That parts maker then sends its products to Iran, where the buyer pays Iranian petrochemicals companies.

SPECIAL REPORTS

Inside IAU

Ayatollah Amoli Branch: Developing Technologies Related to Medicinal Herbs



The board of directors of Ayatollah Amoli branch of the Islamic Azad University sat with Iran's Scientific and Industrial Research Institute in a meeting, during which they emphasized on the development of technologies related to medicinal herbs and collaboration for the purpose of publishing a professional journal in this field.

In this meeting, which was held at Research Department of Chemical Technologies of this institute, both parties stated their mutual interest regarding collaborations in the field of developing technologies practical in the field of medicinal herbs. They also emphasized on the role of the academic elites regarding the development of knowledge economy and signing collaboration agreements for conducting joint projects between the institute and the branch.

Director of Ayatollah Amoli branch said: "Considering the farms of this branch dedicated to cultivating medicinal herbs and the university's capacity for cultivation of numerous kinds of these plants, and the lack of executive units in this university, the Scientific and Industrial Research Institute could support us through sharing its experience with us in the field of commercialized processing and producing herbal products."

Fazel Larjani continued: "Ayatollah Amoli branch has research centers in the field of food industry and as a major holder of medicinal herbs, we are interested in collaborating with the research institute for exchanging new technologies and building devices for production and processing of medicinal herbs." Head of the Research Department of Chemical Technologies also expressed his positive outlook regarding the collaboration between these two organizations and said: "This institute is prepared to offer its full services and support in the fields of science, education, research, exchanging findings related to selecting suitable herbs for cultivation in the university's farms and building devices for processing medicinal herbs in both pilot and industrial scales."