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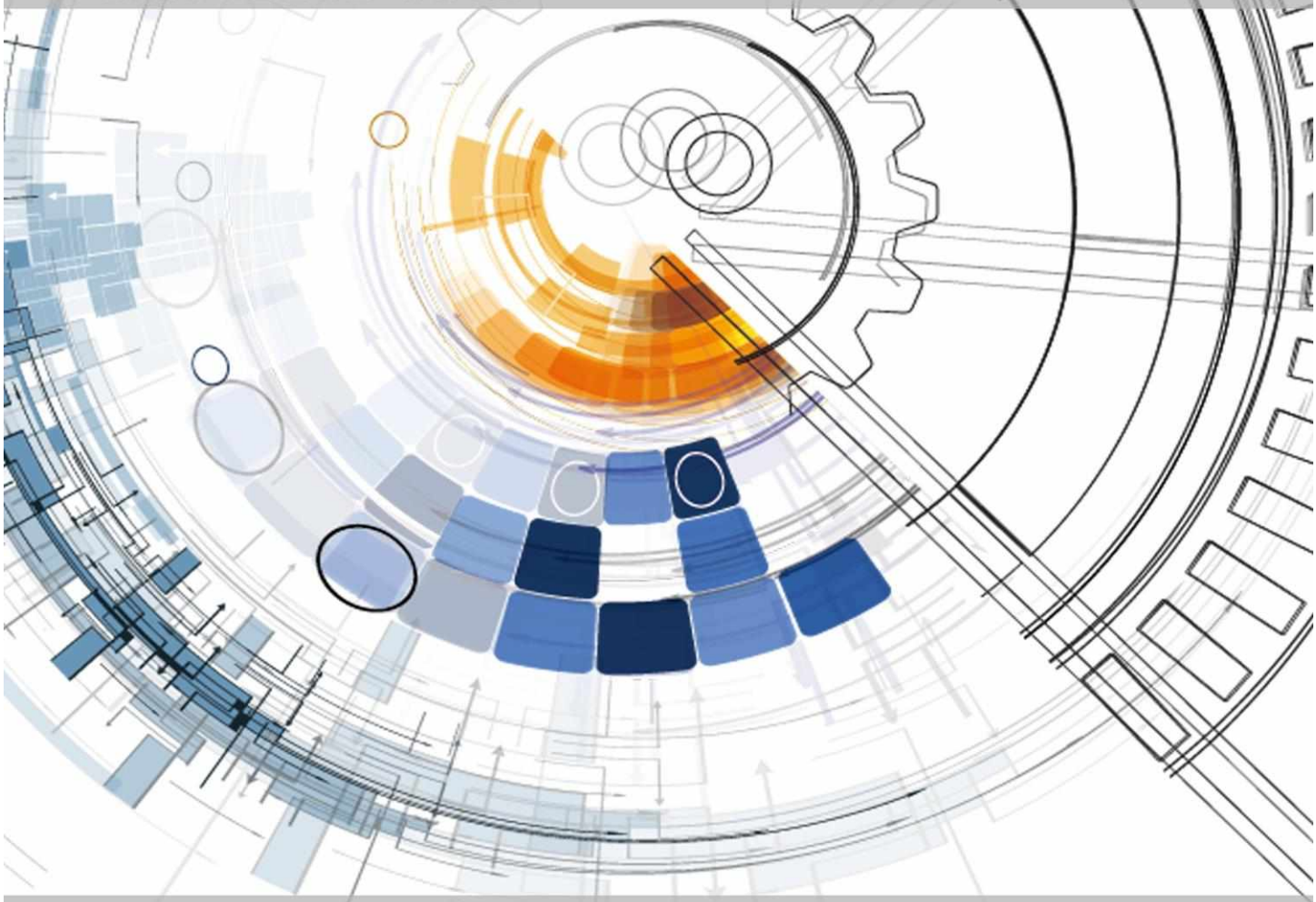

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Content of professional training programs improvement based on a modular competent approach

Makhsuda Abdugaporovna Amanova
maksudaamonova@mail.com
Institute of Pedagogical Innovation, Management of Vocational Education,
Retraining and Professional Development of Teachers
Khuriyat Ortigalievna Bektaeva
Chirchik State Pedagogical Institute of Tashkent Region

Abstract: The article provides for the introduction in the republic of a new system of primary, secondary and secondary specialized vocational education and differentiated educational programs, harmonized with the levels of the international standard classification of education. Increasing the volume of growing and exporting vegetables and fruits in the country, increasing the efficiency of the use of land and water resources, introducing innovative technologies in agriculture. Information about business projects for growing vegetables and fruits as a result of state support for the creation of modern greenhouses.

Keywords: international standard, fruits and vegetables, vocational education, training and education, alternative curricula, UNESCO, lifelong learning, greenhouse, hydroponic methods, agriculture, educational standard, built environment.

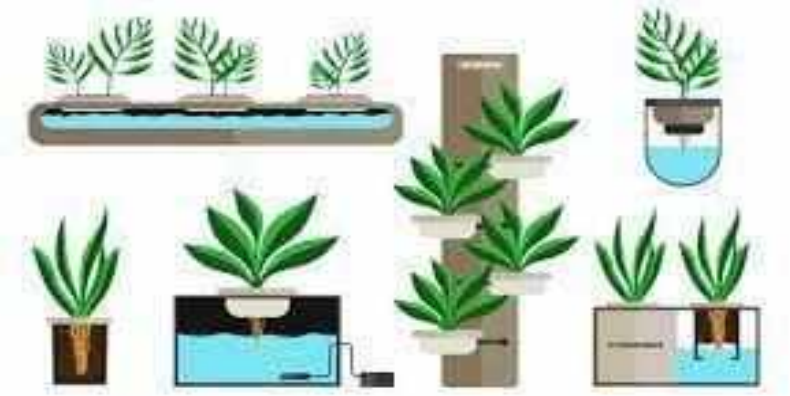
In order to reform the educational system at the root, to make consistent changes to the content of education in science, technology and technology, the "improvement of all parts of the education and training system on the basis of modern requirements" is considered as a priority task. it is important to modernize the content of professional education, educational technologies and systems of evaluation of the results of their mastering on the basis of a competency approach, the creation of didactic support for the formation of competences is of great importance. At present, it is noted that the improvement of the quality of training of personnel in the labor market in professional educational institutions of the developed countries of the world, the formation of their professional competence is one of the important areas. The creation of an opportunity for lifelong learning (lifelong learning) in the international educational concept established by UNESCO until 2030 is a pressing issue all over the world, and the content of professional education is being developed on the basis of modular educational programs based on the competencytirishga special attention is paid.

Decree of the president of the Republic of Uzbekistan on measures to ensure more effective organization of the process of acquisition of rights over land parcels and other immovable property as part of the South Caucasus pipeline expansion project more ... - the decree defines the improvement of the professional education system on the basis of advanced foreign experience, training of qualified and competitive personnel for the labor market through the introduction of primary, secondary and secondary special professional education stages, as well as wide involvement of employers in this process. Starting from the 2020-2021 academic year of the Ministry of Higher and secondary special education of the Republic of Uzbekistan on the basis of the needs in the labor market, measures are defined in order to improve the list of professions and specialties, qualification requirements (professional standards), educational programs that are needed in connection with the establishment of training of specialists of the

The introduction of a new system of primary, secondary and secondary special professional education in combination with the international standard classifier (international classifier) levels of education, as well as different educational programs are defined. Increasing the volume of cultivation and export of fruit and vegetable products in the country, increasing the efficiency of the use of land and Water Resources, introduction of innovative technologies into agriculture. Servicing of equipment of local producers of modern capacities for the production of greenhouses. As a result of the state support of the organization of modern greenhouses, business projects for the cultivation of fruit and vegetable products are being implemented on a large scale.

Proceeding from the above, it is expedient to prepare professionals who will be able to manage the economic activities that the greenhouse can perform in farms, understand agricultural crops in the preparation of land-based secondary schools and land-based specialists in all regional technical areas providing professional education, and to add further by considering the existing program on cluster technology Chuki is currently being prepared by specialists who are able to make productive use of the land for self-employment by providing employment in villages, and who can grow vegetable crops in open spaces and hot rooms. At present, the importance of this work in the cultivation of environmentally friendly products on the basis of market requirements is high. Since most greenhouse farms do not know the conditions necessary for the cultivation of plants by people who work on them, they may not have a high yield from the plants. For the rapid development of greenhouse farms based on resource and energy-saving technologies, it is desirable to provide the industry with qualified specialists. The production, preparation, sorting, calibration, packaging and export of fruit and vegetable products have been introduced in order to increase the volume of expositions of fruit and vegetable products. Creation of

modern greenhouses using alternative sources of energy, energy efficient and energy-saving technologies. Placement of greenhouses taking into account the peculiarities of the territory in which they are located, soil-climatic conditions, types of agricultural crops being grown, adjacent infrastructure and logistics facilities, the level of energy resources of the regions and other Omas that affect the efficiency of the greenhouse economy.To expand the range of ecologically pure fruit and vegetable products produced on the basis of market conjuncture analysis and using modern methods of cultivation of agricultural crops. Expanding the geography and increasing the volume of fruit and vegetable products exporti by establishing close relations with the importing countries and improving the quality of the exported products.



Picture 1: kidroponics, propagation of crops in an artificial environment

The cultivation of agricultural crops in artificial environments the cultivation of plants in artificial environments is not a novelty today. Similar experiments have been carried out in the distant past by astecs and Babylonians to grow hanging and floating gardens. Kidroponic greenhouses for greens, fruits and vegetables operate in the field in some states. In the arid climate of hot countries, where water is equal to gold, peasants receive several crops a year, obtained by the method of hydroponics. The main difficulty of the gidroponic method is in the aeration of the roots, that is, they are filled with oxygen. In the nutrient solution, oxygen is not enough, so the air space between the base and the solution is left in the hydroponic containers (container) (for small plants - 3 cm, for adults - 6 cm). Once a month, the nutrient solution is also changed.

In this regard, not all plants can be grown on gidroponics. If the root system is too dense, does not have much growth, the contents of the containers will have to be changed often to reduce the likelihood of corrosion. This includes bulbous, as well as moisture-retaining stem and leaf succulents. Transplanting plants from soil to hydroponic systems when planting in a hydroponic way is carried out in the hot season (more in the spring). To do this, the roots of young plants are separated from the ground, washed and planted in an internal container filled with expanded loy. The roots should not touch the water. After a week, the water is replaced with a solution.

When new roots appear, the solution level is collected from the bottom of the container and from the cups of the "expanded clay" of the hydroponic plant for growing ground greens, and from the compressor and aerator pallet (to saturate the solution with oxygen). Pots sown with seeds are dipped in a nutrient solution. With the help of phytolamps, lighting is organized for the rapid development of plants. To speed up the appearance of new leaves, the Greens need to be cut in time.

The main thing is parsley, dill, basil, sage, rosemary, coriander, mint, lemon balm, lettuce, etc. Vegetables, berries and even some fruits are lowered to create an air layer between the sowing with the aim of growing kidroponics: broccoli, green beans, eggplant, spinach, cucumbers, tomatoes, strawberries, strawberries, currants, watermelons and much more.

The laboratory of greenhouses and parnik Farms is provided with science rooms, laboratory rooms and training practice rooms, as well as polygons in accordance with professional educational institutions in order to master the training program of science (modules). It is desirable that the practical training and educational practices of the disciplines are organized in the practice rooms and polygons of the employer enterprises in professional educational institutions, which are conducted in manufacturing enterprises or other educational institutions.

In conclusion, the evaluation of graduates ' compartments is determined by the success achieved by the young specialist in practice, while such works as the assessment of the degree of mastering of science (modules), the assessment of the degree of professional competence and the skills acquired by them. In the villages, young specialists provide themselves with jobs, while the opportunity to create jobs for unemployed young people in their village will be wide. As noted above, these structured new organizations also indicate the existence of a need for a highly skilled, broad range of knowledge, a potential young cadre.

References

1. Shavkat Mirziyoev "Erkin va farovon, demokratik O'zbekiston davlatini birgalikda barpo etamiz" Toshkent – "O'zbekiston"-2016.

2. O'zbekiston Respublikasi Prezidentining 2017 yil 7 fevraldagi "O'zbekiston Respublikasini yanada rivojlantirish bo'yicha harakatlar strategiyasi to'g'risida" gi PF-4947-sonli Farmoni. O'zbekiston Respublikasi qonun hujjatlari to'plami, 2017 y., 6-son, 70-modda

3. Xurramov U.X, Karimov J.O, Amanova M.A, o'rta maxsus professional ta'limning 5.61.06.01 - issiqxona va parnik xo'jaligi texnik –texnologi mutaxasssligining issiqxona xo'jaligini tashkil etish va boshqarish fanidan o'quv dastur Toshkent-2020 yil.

4. A.K.Ganiev, M.A.Amanova, X.O'.Bektaeva "umumiy o'rta ta'lim maktab

o'quvchilarida dorivor o'simliklarga oid boshlang'ich bilimlarni shakillantirish". Ta'lim fan va innovasiya jurnali-2020/3-son5

5. Ilmiy – ishlab chiqarish oynomalari. "Kartofel i ovotshi". Mir "Teplis", Moskva.

6. Abduxamidovna, M.N. (2020). Actuality and development of pedagogical fundamentals ecological competence in students. Electronic Journal of Biology and Ecology, 4 (2). Dilbar Abdikayumovna Shayzakova, The use of personal-human technology in the teaching of chemistry, ACADEMIC RESEARCH IN EDUCATIONAL SCIENCES VOLUME 2 | ISSUE 4 | 2021, ISSN: 2181-1385, Scientific Journal Impact Factor (SJIF) 2021: 5.723, Academic Research, Uzbekistan 603

7. Atanazar Karimovich Rakhimov, Dilnavoz Bakturdievna Saidova, Oygul Odil Qizi Rasulova Experimental site "School Laboratory" - the introduction of an innovative cluster project in pedagogical education // Academic research in educational sciences. 2021. №1. URL: https://cyberleninka.ru/article/n/maktab- laboratoriya-tazhriba-maydonchasi-pedagogik-talimda-innovatsion-klaster-loyi-asini- zhoriy-etish (data obrashcheniya: 26.04.2021).

8. Mirzaeva, Nodira Abdukhamidovna PhD and Umarov, Abdukhamid Sattarovich associate professor (2021) "PEDAGOGICAL INNOVATION EDUCATION CLUSTER IN THE DEVELOPMENT OF NATURAL SCIENCELITERACY: THE CHIRCHIK EXPERIENCE IS IN PRACTICE.," *Central Asian Journal of Education*: Vol. 6 : Iss. 1 , Article 17. Available at: https://uzjournals.edu.uz/cjedu/vol6/iss1/17