

**Айтимова А. А.**  
г.Караганда, Казахстан  
(Научный руководитель:  
Преподаватель Рахметова Г. Ш.)

### **Innovative Inventions for Kazakhstan Using a Program**

The country has entered a new era of history. In a message to the people of the year, I announced that the third modernization of Kazakhstan had begun. Thus, we undertook two main recovery processes - political reform and economic modernization. Our goal is clear and famous, and it is one of the 30 most developed countries in the world. Both of these update processes have specific goals, priorities and ways to achieve them. I am sure that all my work will be completed on time and in the best possible way. But this is not enough for us to fulfill. To achieve the goal, our conscience must be ahead of us, that is, it must be restored earlier. This will not only complement political and economic revolutions, but will also become their core. Spiritual renewal is not just work that needs to be started today. We did a great job in this direction during the period of independence. In 2004, as part of the Cultural Heritage program, we updated historical and cultural monuments and objects in Kazakhstan. In 2013, as part of the People in History program, we systematically collected and studied documents related to our history from the world's most beloved archives. And now we are going to begin large-scale and fundamental work. I decided to take a look at how to move along the path to the future and how to change the mind consciousness in order to become a strong and responsible United nation. [1, p. 365].

The whole earth is changing before us. The direction of the world is still vague, and a new era has begun. In an ever-changing world, we will not be able to equate the window with leading countries if we do not eliminate stereotypes that are completely absorbed in our perceptions and worldviews. To change, we need to take positive steps and take the positive aspects of a new era, adapting to the times. What is the secret of Western modernization of the twentieth century in modern reality? In my opinion, the main drawback is that they are absolutely unlucky, ignoring the features and customs of other peoples and civilizations. A socially significant revived society will have a spiritual code that begins with the depth of its roots in history. The most important condition for a new type of update is to maintain this national code. Without this awakening, it is easy to echo. But it is clear that to preserve the national code, it is impossible to instill in you all the good and bad, confidence that will be based on the future, qualities that will move forward, jumpers from the hip, habits from the hip will not be undermined in the national consciousness. The essence of the revival is that it still does not have to adhere to historical traditions and national traditions. On the contrary, it is necessary to be able to turn ancient traditions into the most important prerequisites for successful modernization. If a country cannot get food from national-spiritual roots, it will begin to get lost. At the same time, spiritual rebirth is crucial for the

ability to combine and harmonize the various poles of national consciousness. This is a platform of national memory, which combines harmony with the horizons of history, creativity today and a brighter future. I wish that national traditions and their traditions, which have not been forgotten from the earliest times, have a great future for future prosperity. At the same time, I would like to emphasize several aspects of the consciousness of the whole society and every citizen of Kazakhstan. [1, p. 112].

### 1. Competitiveness

Currently, not only individuals, but the entire population will be able to succeed only if they increase their competitiveness. Competitiveness is the ability of a nation to offer value in a regional or global market or the quality of others. This can be not only a material product, but also education, a service, an intellectual product, or quality human resources. In the future, the success of a nation is determined not by its natural wealth, but by the competitiveness of its people. Therefore, every citizen of Kazakhstan, therefore, must have the worthy qualities of the whole nation in the 21st century. For example, factors such as computer literacy, knowledge of foreign languages and cultural transparency are necessary prerequisites for promoting each. Therefore, programs such as Digital Kazakhstan, Teaching in Three Languages, and Cultural and Interfaith Concord are the main task of preparing our people for the needs of the 21st century. [2]

### 2. Pragmatism

We cannot completely renew our full range of skills and stereotypes that change our heart. When we look at our history, a hereditary lifestyle, we can find many striking examples of genuine pragmatism. Over the centuries, our people have preserved the nature of their native land with an unrivaled ecological lifestyle, preserving its wealth and saving. Only in the middle of the last century, millions of hectares of land were broken in just a few years. National pragmatism, which lasts from generation to generation, has been manifesting for several years and is becoming more and more popular among people. As a result, since the creation of the Earth, the entire grass cover of the steppe, found only on the top of the hill near the horses, has come to an end. Thousands of hectares of oil that weigh from oil have become a desert in the zone of environmental disaster, the massive drought of the Aral Sea. All this is a painful example of gloomy land. On the path of renewal, we need to recover from our ancestors, revitalize our blood and reap the good qualities that today are rooted in our roots. Pragmatism means knowing one's national and personal wealth, using it sparingly and accordingly planning one's future, avoiding wastefulness and wastefulness, being bold and cruel. In modern society, the symbol of true culture is not an unnecessary luxury. On the contrary, restraint, satisfaction and simplicity, ease of use. This is pragmatism of behavior with an emphasis on achieving a realistic goal, getting an education, maintaining a healthy lifestyle and promoting professional development. This is the only successful example in the modern world. If a nation or an individual is not aimed and does not pursue a specific goal, there will only be populist ideologies that will start the country tomorrow. Unfortunately, there are many examples in history of how united nationalist ideologies that were never realized were finally flooded. The

three main ideologies of the last century - communism, fascism and liberalism - were destroyed before us. Today, the era of radical ideologies has passed unexpectedly. Now we need to clearly, clearly and focus on the future. Only those guidelines that both people and the whole people want to achieve can only be a source of development. Most importantly, they must be careful with the capabilities and capabilities of the country. That is, realism and pragmatism is only the motto of future decades. [2]

### 3. Preservation of national identity

The concept of national revival is the perfection of national identity. This has two sides. First, expand the horizons of national identity. Secondly, it is necessary to change some of its characteristics, while maintaining the core of national identity. What challenges do modern luxury models face? The threat of renewal is to consider the model of national development of each person as a universal universal model. However, life itself has shown that this is a mistake. In fact, each region and each state forms its own development model. National traditions, language, music, literature, rituals, in a word, national spirit should remain in us forever. The wisdom of Abai, the philosophy of Auezov, the verses of the Zhambyl region, the khokims of Kurmangazy and the ancestors of centuries of life are only part of our spiritual culture. At the same time, the concept of modernity means abstaining from certain abilities and habits, more arrogant and unobtrusive in the global world. Take, for example, celibacy. Of course, you know the history of your homeland and should be proud of it. But, more importantly, it is impossible to forget that you are the son of one great nation. We are building a meritocratic society where everyone evaluates their personal contribution and professionalism. This system does not remove roots from the sleeve. My main point in the details of all this is not to list the good and the bad on their own. I want the people of Kazakhstan to understand these two principles and get rich. The first is the national code, and if the national culture is not supported, there will be no update. [2]

Shamtayak

Nurlan Turekhanov, the inventor of Shamtayak, the luminous wand, offers people safety at pedestrian crossings. He proposes to equip the pedestrian crossings with special structures in which sticks with a reflective coating will be stored, which will help drivers not to crush pedestrians in the dark. The inventor admits that the idea came to his mind after he nearly ran into a pedestrian without having seen the traffic sign in time. [3, p. 17].

### Innovative lithium-ion sulfur batteries

Compared with existing analogues, Kazakhstani batteries, according to the developers, are much cheaper and more stable in operation. In addition, the batteries run down more slowly and are very environmentally friendly. At the same time, in comparison with other existing batteries, they are much smaller in volume. At the moment, the inventors have begun to develop enlarged cells, combine them in parallel and sequentially, and then look at what came of it. After the presentation of his batteries, which can work 10 times longer than existing ones, to the Minister of Education and Science Aslan Sarinzhapov, the latter vividly became interested in whether it is possible to put such a battery in his smartphone, and then he offered

to sell this development to Apple. "Because the problem is the iPhone - the battery runs out quickly there. But if 10 times - and the iPhone will work for 10 days ..." - concluded Sarinzhapov. [3, p. 21]

#### Wind turbine "Genghis Khan"

Ulobe-shaped wind turbine, similar to a UFO - Kazakhstan's development of a wind generator, superior in its efficiency to all possible analogues by 2-3 times. It does not create noise, can work in extreme conditions, has won many prizes and awards. Since 2011, the beginning of development, it is promised that a wind generator will stand at every home and generate cheap electricity. But all over the world, the most ordinary wind generators continue to produce it, and the Kazakhstani project still attracts and attracts investments. According to the press, this wind generator will make an energy revolution. And if not in 2011, then in the next one, it is obligatory. [4, p. 288]

#### Smart watch bracelets

A unique solution that has no commercial analogues in the world market - this is how the creators describe their invention. By integrating breakthrough technology, a team of professionals has created revolutionary smart watchbands - they claim. The straps allow you to control incoming and outgoing calls, a music player, navigation, monitor your heart rate, count steps, determine speed, distance and all-all. Serial production will allow entering the international market and creating a recognizable Kazakhstan brand. Technical specifications and conditions for production fade before such beautiful words and are not even communicated due to unnecessary. [4, p. 358]

#### Conclusion

The state and nation are like a constantly evolving living organism, and not like a cold, frozen world. He must be able to intelligently adapt to the course of the day in order to live. Nobody asked for new global trends, and the door flashed through the door one and a half. Therefore, the task of modernization is to face all states. Time without a shift does not wait for anyone, and the process is rebuilt as history itself.

#### References:

1. A large encyclopedic dictionary from the library of KSTU 1980.-525p
2. Interview with N. Nazarbayev about "Rukhani Zhangyru" 2017
3. Innovative inventions of Kazakhstan 2018.-37p
4. Inga Selezneva "Social modernization of Kazakhstan" 2015.-782p