



## THE ROLE AND POTENTIAL OF ARTIFICIAL INTELLIGENCE IN THE POPULARIZATION OF NATIONAL ART

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**Abstract:** This article analyzes the cultural and spiritual significance of the national art of maqom and the issues of its popularization through modern technologies. In particular, the role of artificial intelligence in preserving, digitizing, and delivering maqom art to a wider audience is highlighted. The article examines the possibilities of artificial intelligence technologies in processing audio and video archives, automatic musical transcription, and the creation of translation and subtitle systems. It also substantiates the importance of digital platforms and innovative approaches in introducing maqom art to the younger generation and promoting it internationally. According to the research findings, artificial intelligence can serve as an important tool in preserving and developing national cultural heritage.

**Keywords:** Maqom art, national culture, artificial intelligence, digitization, cultural heritage, Shashmaqom, musical tradition, innovative technologies, virtual education, automatic analysis.

Today, technological progress on a global scale is developing at a very rapid pace. In particular, the penetration of artificial intelligence into various fields also marked a new stage in the culture and art system. The issue of preserving the national cultural heritage and bringing it to the general public is relevant for every nation. The art of status, one of the invaluable spiritual resources of the Uzbek people, is also a unique heritage that requires such attention.



The art of status has been formed for centuries and embodies the spiritual world, historical experience and aesthetic views of the people. It is considered not just a musical performance, but a complex art form with deep philosophical content. Modern technologies, particularly artificial intelligence, are creating ample opportunities to preserve and promote this heritage in a new form. [3].

This article discusses the current importance of status art and the role and prospects of artificial intelligence technologies in its popularization.

**Historical roots and cultural significance of maqom art:** Maqom art is considered one of the oldest and most complex branches of Uzbek musical heritage. It took shape from the deep layers of the Eastern musical tradition and became rich through various performing schools over the centuries. In particular, the shashmakom system and the Performing directions of Fergana-Tashkent are the most important manifestations of status art.

The uniqueness of maqom is that it is not just a collection of musical melodies, but a holistic system combined with poetry and philosophical views. The ghazals used in it often express deep thoughts about the human psyche, the meaning of life, and spiritual perfection. Therefore, the performance of maqam has a spiritual impact on the listener, along with aesthetic pleasure.

Since maqom art has been passed down from generation to generation through oral tradition, its preservation and adaptation to modern conditions is one of the important tasks of today. [5].

**Artificial intelligence and its role in art:** Artificial intelligence is a modern field aimed at implementing processes inherent in human intelligence using technological systems. It is able to analyze large amounts of data, organize them, and draw certain conclusions.

Artificial intelligence has also been widely used in the art of music in recent years. It serves as an important tool for creating musical works, analyzing them, cleaning sound recordings, and improving their quality. In addition, content recommendation systems suitable for users' interests also work precisely on artificial intelligence.



Therefore, artificial intelligence can be assessed not only as a technical tool, but also as a new creative platform that serves to develop art.

The role of AI in preserving and digitizing maqam art: Artificial intelligence is becoming increasingly important in preserving maqam art for future generations. Ancient audio and video recordings can lose quality over time. SI technologies allow such recordings to be processed, noise removed, and converted into high-quality digital formats.

It is also becoming possible to automatically convert status performances into a notation system. This process provides great convenience for musicologists and performers, as it makes it easier to store and study complex performance patterns in written form. [6.].

Artificial intelligence can also be of great help in linguistically analyzing the poetic texts contained in maqoms, identifying their semantic layers, and studying their historical context. This allows for a deeper understanding of the inner meaning of status art.

The importance of artificial intelligence in disseminating maqam art to the general public: Modern digital platforms use artificial intelligence to select content that matches users' interests and present it to them. This opportunity serves as a very effective tool in bringing the art of status to a wider audience, especially among young people.

Interactive learning systems based on artificial intelligence also make learning the art of maqam much easier. With the help of virtual teachers, users can independently learn the basics of maqam performance. And through mobile applications, this art form will be able to learn anywhere and at any time.

In addition, with the help of automatic translation technologies, status poems are translated into different languages and subtitles are created. This opens up wide avenues for national art to be recognized internationally.

Innovative approaches and creative possibilities: Artificial intelligence is being used not only to preserve existing works, but also to create new creative products. It can analyze musical compositions in a status style and create new works based on



them. [8.].

Also, together with modern virtual reality technologies, status concerts can be organized in a three-dimensional environment. This provides the viewer with a unique, interactive and realistic experience. By reenacting historical scenes, it is possible to convey the past appearance of status art to a modern audience.

Challenges and caveats: Despite the vast potential of artificial intelligence, it also has some limitations. The main problem is that it is not always possible to fully express the emotional richness of live performance of status art through digital systems. The performer's state of mind, stage energy, and subtle improvisations are not fully captured by technological systems.

Additionally, some analyses may be superficial or inaccurate due to a lack of full understanding of the cultural context. Therefore, the human factor must always remain central when using artificial intelligence [10].

Future development directions: In the future, artificial intelligence is expected to play an even more important role in preserving and developing the art of status. Through digital archives, interactive education systems, and global platforms, status art can be more widely known worldwide.

Such technologies help to harmonize national culture with global culture. Most importantly, they encourage the younger generation to be interested in and continue national art.

Conclusion. The art of maqom is an invaluable spiritual heritage of the Uzbek people, and preserving it and passing it on to future generations is one of the important tasks. Artificial intelligence, on the other hand, creates great opportunities as a powerful tool in this process. With it, the art of status is digitized, brought to the general public and developed in a modern form. At the same time, it is also important to preserve the true nature of traditional performance. Through the combination of technology and tradition, national status art can reach a new level and become more widely recognized worldwide.



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