



### SCO-Young Scientist Profile

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**Details of research work carried out in S&T** (*limit to 200 words*)

**Theme: THE IMPORTANCE OF TELEMEDICINE DURING COVID-19 PANDEMIC**

During the COVID-19 pandemic, mandatory social distancing and the lack of effective treatments has made telemedicine the safest interactive system between patients, both infected and uninfected, and clinicians. A few potential evidence-based scenarios for the application of telemedicine have been hypothesized. In particular, its use in diabetes and complication monitoring has been remarkably increasing, due to the high risk of poor prognosis. New evidence and technological improvements in telemedicine application in diabetic retinopathy (DR) have demonstrated efficacy and usefulness in screening.

**PURPOSE OF THE PROJECT:**

Organizing high level medical services in rural area based on innovative telemedicine technologies.

**PROJECT EXPLANATION:**

Taking into account the climate, geographical location, number of population and need for high level medical services we are planning to build a facility for the clinic. In the result there will be an opportunity for the local people and guests to receive high level medical services based on telemedicine.

**PROJECT PERSPECTIVES:**

- Telediagnosics and teleconsultation;
- Cheap high quality and modern medical services;
- Easy for organizations and economically time and finance saving;
- Remote assistance to doctors.

**THE COVERAGE:**

Karakalpakstan region

Shanghai Cooperation Organization- 1<sup>st</sup> Young Scientists Conclave (SCO-YSC 2020)  
A virtual event organised in India at CSIR-IICT, Hyderabad  
Theme: Shaping SCO-STI Partnership: Young Scientists Perspectives

**Associated SCO-YSC Theme:**

Combating Covid 19 and emerging pandemics through research and innovation

**Statement of Innovation** (*Brief information on new innovative ideas including startup / entrepreneurs- limit to 150 words*)

During this global pandemic, telehealth is emerging as an effective and sustainable solution for precaution, prevention and treatment to stem the spread of COVID-19.

Telehealth is bridging the gap between people, physicians and health systems, enabling everyone, especially symptomatic patients, to stay at home and communicate with physicians through virtual channels, helping to reduce the spread of the virus to mass populations and the medical staff on the frontlines.

There are two main areas of adaptation for telemedicine at this time: Hospitals are expanding their telehealth services and also finding ways to train staff on a shortened timeline, said Hedges of Software Advice.

**Major awards/ Achievements** (*Upto 3 awards*)

1. Official distributors of AMD Global Telemedicine company.
2. October 29-31, 2019. Actively participated on International week of innovative ideas "InnoWeek.uz". Have a certificate.
3. April 26, 2018. Scientific and Practical Conference "Young Scientists" in Tashkent State dental institute, Tashkent, Uzbekistan. 3rd Place. Have a certificate.

**Possible collaboration with SCO countries** (*limit to 100 words*)

Telemedicine collaborations, whether between technology companies and providers, health systems and patients, or other creative partnerships we have yet to see in the industry, can present numerous benefits to our healthcare delivery system and patient outcomes. Currently, we are planning to implement our technologies to Kazakhstan.

**Key words** (*relevant to research work conducted as well as proposed innovation, 5-6 words*)

Telemedicine, telehealth, medicine, e-health, telepsychiatry