



Newsletter February 2023

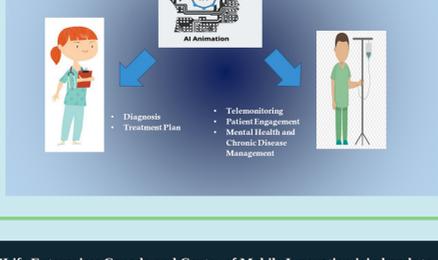
Message from the CEO Tech4Life leading the Path of Incorporating Artificial Intelligence in Telemedicine

Tech4Life Enterprises has been the thought leader in the field of Telemedicine. As the use of Telemedicine grows to become part of the mainstream care, it is important to incorporate the power of Artificial Intelligence (AI) and Machine Learning to have its application reach beyond just the mode of communicating health information.

To initiate the efforts, Tech4Life has collaborated with Sheridan College in Canada to add AI and Machine Learning to the eSteth Digital Stethoscopes sounds. This initiative is being led by Drs. Dodo Khan, Saad Abdullah and Shariq Khoja from Tech4Life, and Drs. Ed Sykes and Farnaz Derakshan from Sheridan. Following are the ways AI would support the use of eSteth Digital Stethoscopes for health providers:

- **Diagnosis:** AI will provide smart recommendations based on heart sounds and medical history of the patients. eSteth app would be connected with the AI system which would provide recommendations to the concerned health providers.
- **Telemonitoring:** eSteth, with the help of AI, will be used to monitor patients remotely, checking their sounds along with other vital signs, thus providing early detection and management of potential health problems.
- **Management of Chronic diseases:** AI enabled eSteth App will offer regular advice to health providers along with sending personalized care plans and reminders, tracking progress, and offering feedback to patients. AI will be used to predict patient outcomes, such as the likelihood of developing complications, and to identify early warning signs.

By Dr. Shariq Khoja - CEO, Tech4Life Enterprises



Tech4Life Enterprises Canada and Center of Mobile Innovation join hands to develop Artificial Intelligence for eSteth

Tech4Life Enterprises is collaborating with the Center of Mobile Innovation at Sheridan College Canada to design Artificial Intelligence (AI) algorithms to enhance the application of its Digital Stethoscope (eSteth). Since AI is already revolutionizing the healthcare industry in many ways, Tech4Life Enterprises has also decided to use its potential to empower frontline health workers and enhance the reach of quality health services to remotest parts of the world.

By incorporating AI algorithms, eSteth can analyze the heart sounds and identify characteristic patterns to make more accurate assessments compared to traditional stethoscopes. It will provide real-time feedback to the healthcare professionals during the diagnosis process and improve the efficiency in terms of time required in diagnosis and treatment. Additionally, AI will also assist in reducing the risk of misdiagnosis by flagging any unusual patterns and offering alternative diagnoses. Moreover, use of AI will open new areas of research with other institutions.

By Dr. Dodo Khan - Head Of Technology & Innovations, Tech4Life Enterprises



Remedial Hospital Karachi Improving Quality of Services through Sojro Telemedicine

Trolley
"PAKISTAN INSTITUTE OF LIVING & LEARNING (PILL)"

Tech4Life Enterprises and Pakistan Institute of Living & Learning (PILL) have successfully implemented the telemedicine initiative in Remedial Hospital for quality health care services and the aim is to expand in different clinics in Karachi for quality care and telepsychiatry. PILL started with Sojro Telemedicine Trolley with fully equipped devices including a Digital stethoscope, vital signs monitor, ultrasound probe, Wireless Oscope and Dermoscope, wired IRIScope, and MDConsults Telemedicine Software with all-in-one PC.

The Sojro Telemedicine Trolley will be used in ERs, ICU, Wards and clinics and is easy to move in different wards as per the need. The program will also provide care for communicable and non-communicable diseases. Different specialists will provide the consultation remotely from their clinics and homes.

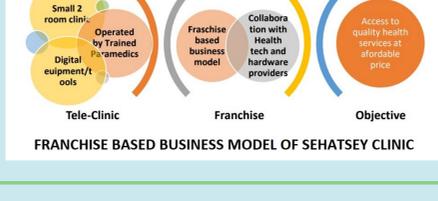
By Shabbir Hussain - Head Of Operations & Lead Projects



SEHATSEY Expanding Rural Telemedicine in Pakistan using Sojro Telemedicine kits

Sehatsey Clinics are using the range of Telemedicine devices designed by Tech4Life to to expand health services in Rural areas of Pakistan. A Sehatsey Clinic is a franchise based tele-clinic at the last mile where the paramedics have access to digital equipment and facilitate patients to connect with doctors. At the Tele-clinic, the operator, a trained paramedic, performs the initial checkup of the patient using digital equipment. Tech4Life Enterprises is helping Sehatsey clinics based in provinces of Sindh, Punjab and Balochistan by providing them with digital equipment and software tools. The digital equipment include eSteth Digital Stethoscope, Vital Signs Monitor and Fetal Doppler. Live consultations take place on MDConsults Global® - a highly dynamic, robust and HIPAA Compliant Telemedicine Software by Tech4Life Enterprises.

By Ahsan Abbas - Head of Global Sales & Marketing, Tech4Life Enterprises



HIPAA Compliance for Telemedicine

In today's era, the lasting power of telemedicine is being seen across the healthcare industry. Telemedicine has benefited the field of healthcare providing contact-free communication between the patient and the healthcare professional. But with this technological advancement comes the responsibility of making sure that the communication between the two parties remains confidential. This is where Telemedicine and HIPAA compliance needs to be linked together to ensure safe passing of Protected Health Information (ePHI) between the physician and the patient.

For anyone who is considering, or already using telehealth, it's essential that safety and security of ePHI is a top priority. So, it is very crucial to ensure that one's telehealth software is HIPAA compliant.

Tech4Life's "MDConsults" is a highly dynamic, versatile and customizable platform for Telemedicine and remote healthcare. MDConsults completely follows HIPAA guidelines on telemedicine which ensures that proper safeguards, policies, and procedures are in place for the confidentiality, integrity, and security of ePHI.

By Ehsan Khan - Quality & Regulatory Officer, Tech4Life Enterprises



Tech4Life To Exhibit Its Ground-breaking Telemedicine Solutions at American Telemedicine Association Conference - 2023

American Telemedicine Association has organized its main Annual Telemedicine Conference (ATA-2023) in San Antonio, TX on March 4-6, 2023. The conference brings together Telemedicine thought leaders, Technology and Health innovators, Researchers, Service providers and users to discuss the current advancements in the field and define future path for Telemedicine. The conference is attended by guests not only from North America, but also from countries around the world.

Tech4Life Enterprises, being the leader in Telemedicine industry, will exhibit its technologies at ATA-2023. Tech4Life team will exhibit the following FDA approved technologies at the conference:

1. eSteth Digital Stethoscope;
2. Digital Oscope and Dermoscope bundle;
3. Sojro Telemedicine kits, especially focusing on Home Telemedicine kits, Sojro Plus kit for Primary Health Care, Sojro Ambulance Telemedicine kit, and Sojro Military/Disaster Telemedicine kit.
4. Highly Advanced Drone Telemedicine kit.

Tech4Life team will comprise of Mr. Ahsan Abbas, Global lead of Sales; Ms. Ruhab Ilyas, Marketing and Sales Officer; and Dr. Shariq Khoja, CEO Tech4Life Enterprises. We invite all participants of ATA-2023 to visit Tech4Life's stall at Booth # 1503 to see the live demo of our technologies and meet us live to discuss opportunities for collaboration.

By Dr. Shariq Khoja - CEO, Tech4Life Enterprises



eSteth Stethoscopes get FDA approval in Philippines

Tech4Life Enterprises works with many distributors in different parts of the world. One of the biggest challenge to enter any new country with your products is to find the right partner and get all the required regulatory approvals for your products. This gets even difficult for the registration of medical devices.

Tech4Life Enterprises partnered with Manila-based Distributor, PhilPak Pharma Inc., in year 2020. PhilPak Pharma Inc. expressed interest not only in distributing Tech4Life's digital Telemedicine equipment, but also in the range of non-digital stethoscopes (eSteth Classic, eSteth Classic Paeds, and eSteth Cardio).

Philippines Food and Drug Authority (FDA) is known for its stringent laws for the medical device registration. Manufacturers of health devices have to fulfill a number of requirements and requests for obtaining regulatory approvals for their devices. However, the good part is that registration in Philippines plays a central role to get your products easily registered in other countries of the ASEAN region.

As an exclusive distributor, PhilPak Pharma Inc. started registration process for Tech4Life's non-digital and digital products in early 2021. It was a long process with a lot of back and forth requests by FDA Philippines. Both Tech4Life and PhilPak Pharma remained committed and showed extreme perseverance throughout the taxing regulatory process. Finally after over two years of wait, Tech4Life Enterprises recently received regulatory approvals for both non-digital and digital stethoscopes.

PhilPak Pharma has now expressed interest in the registration of Sojro Telemedicine Kits in the next phase. With these new regulatory approvals, Tech4Life Enterprises is ready to explore Telemedicine opportunities in entire ASEAN region.

By Ahsan Abbas - Head of Global Sales & Marketing, Tech4Life Enterprises

Star Of Tech4Life Samreen Fatima

Samreen Fatima is an experienced Marketing Manager with a demonstrated history of working in the field of marketing. Ms. Fatima joined Tech4Life Enterprises, as a Marketing Executive, in year 2016. Right from the early days, she has been quite successful in creating marketing strategies, building customer relationships, and performing relevant tasks essential for increasing the the adoption of Telemedicine around the world.

Ms. Fatima established herself as a Marketing expert with key focus on branding, e-Commerce, marketing campaigns and go-to-market launches. As a Marketing Manager, she has been quite successful in overseeing various marketing campaigns, leading marketing team, and serving as a liaison between Tech4Life Enterprises and partner organizations. Recently, she has been promoted to the role of 'Lead-Branding and Marketing' in lieu of all the efforts and dedication shown over the course of her association with Tech4Life Enterprises.



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Tech4Life Enterprises is a socially motivated, innovative research and design company, specialized in telemedicine and point-of-care devices.

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