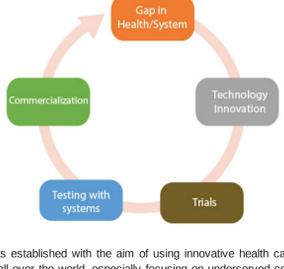


Providing State-of-the-Art Telemedicine and Point-of-Care Solutions



Theme of the Newsletter: 'Innovations for Impact'

Message from CEO - Shariq Khoja
360 degree Innovation: A unique approach to ensure success in Development and Impact



Tech4Life was established with the aim of using innovative health care solutions for saving lives all over the world, especially focusing on underserved communities with difficult access to health facilities. To achieve this objective, Tech4Life has strongly relied on a '360-degree innovation' model, which brings innovators and scientists from a variety of fields to closely work on some unique ideas. This type of model also ensures that the idea, once conceived, gets to the completion using both internal capacity within Tech4Life as well as the knowledge and skills of other partners. The 360-degree innovation model begins with identifying the gap in health system or services that needs to be addressed for saving lives of people around the world, and there is a potential for the use of technology innovation to fill that gap. Once the impact and technology idea are agreed, a team of engineers from Tech4Life along with other partners work on innovating the hardware and software solutions required to achieve the defined objectives. The teams then work with several academic and service partners to test the efficacy of the product both in the labs as well as in the fields. Finally, the device is approved for commercialization, engaging designers and manufacturing partners to produce high quality devices for best results in the targeted markets. This approach facilitates collaboration at all levels and ensures successful completion of the desired project. We thank all our innovators and partners for their continuing support.

Developing state of the art vital sign monitoring system for early diagnostic of Childhood Pneumonia.



Tech4Life's non-invasive hemoglobin monitor to complement global efforts for reducing the burden of anemia

Tech4Life enterprises and Sheridan college are working to reduce childhood mortality by developing easy to use diagnostic system for frontline health workers. This portable and wirelessly operated and controlled system uses commercially available sensors to measure different body parameters for preliminary analysis of patient. The recent developments in the system allow the user to connect multiple sensors simultaneously to the main hub and acquire reliable data for early diagnosis. The standalone hub is capable of lasting about a week on a single charge. All the data from sensors is then captured through Bluetooth and uploaded to an secure server for further evaluation using Artificial intelligence.

According to recent studies on Anemia, at least 1.62 billion people which makes 24.8% of the global population is affected by anemia. Anemia is rarely diagnosed by physical examination and typically involves the measurement of blood hemoglobin, one of the most commonly ordered laboratory tests. Tech4Life being a social enterprise has always tried to cater the health-related needs of people by making them rather easily accessible. Smart Hb monitor is one of those innovations, that has gained a lot of attention even before hitting the markets. This device lets you examine your Hb levels non-invasively and within the span of 30 seconds only.

Recent trial comprised of 1500 volunteers having 900 males and 600 females who get their Hb tested out in comparison with their actual Hb reference values. The hemoglobin values obtained with the Smart Hb correlated significantly with the venous hemoglobin levels with a correlation coefficient of 0.84. The results have been extremely promising and Tech4Life is now looking forward to hitting the market with the monitors soon.

Jeejal - A Maternal Wristband for saving lives of mothers and newborns in remote areas of the world during Pregnancy



Today, women in developing countries face high rates of maternal mortality due to hemorrhage, hypertensive disorders, anemia, and gestational diabetes. All these conditions can be easily diagnosed and monitored with vital sign monitors, but due to a lack of access to skilled health care and long distances between health providers and patients in remote areas, these conditions often go undiagnosed. The 'Jeejal' maternal wristband promises to be an affordable, in-home device that allows women to take charge of their health. The device noninvasively measures a mother's blood pressure, hemoglobin, and glucose levels and use GSM technology to send her vitals directly to her healthcare provider, no matter how far he/she may be.

Developed using the rising star in global health award from Grand Challenges Canada, and the technical expertise at Tech4Life Enterprises, 'Jeejal' is a highly accurate and affordable device for helping mothers in remote parts of the world. The use of wristband may also prevent several deaths among newborns. Jeejal will revolutionize maternal care in LMICs, allowing health providers to prevent unnecessary maternal deaths.

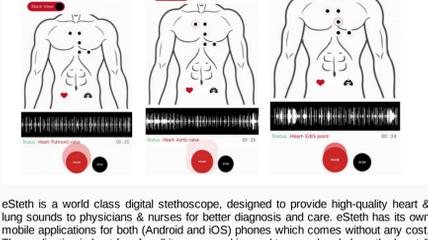
Making steady progress on non-invasive glucose monitoring



levels without drawing blood, puncturing the skin, or causing pain or trauma. This method also prevents from risks associated with using needles and blood products. blood glucose in order to manage medications and prevent both chronic and acute complications from the disease. There are several devices available in the market, which evaluate glucose levels in test-strip blood samples obtained from a skin prick usually from the fingertips. In contrast, noninvasive glucose monitoring refers to the measurement of diabetes. Regular monitoring of Blood Glucose levels is required for people with

Tech4Life Enterprises has designed a non-invasive glucometer, which measures glucose levels using infra-red technology through the nail probe. First of its kind non-invasive glucometer will be extremely useful for patients with diabetes, borderline hyperglycemia or pre-diabetic conditions for ensuring regular monitoring without the need of pricking and purchasing strips for the glucometers. The device fits on the finger of the patient and provides accurate blood glucose levels within 30 seconds. Tech4Life has been running various trials to ensure quality and accuracy of the product and will bring this revolutionary product to the market upon completion of the trials.

eSteth providing better results with the use of Mobile application



eSteth is a world class digital stethoscope, designed to provide high-quality heart & lung sounds to physicians & nurses for better diagnosis and care. eSteth has its own mobile applications for both (Android and iOS) phones which comes without any cost. The application is kept free for all its users and is used to record and share the heart & lungs sounds for the second opinion with another physician on the applications to ensure better diagnosis. It also has the capability to connect with live consultation to transmit live heart and lungs sounds. In addition to the existing features, the application permits any health provider to visually record the sounds with the auscultation positions and waves forms of the heart and lungs sounds and share anywhere with any third-party applications. The application allows creating multiple groups to share the digital sounds to discuss among different health providers.

Continuous Advancements in MDConsults for improvement in Telemedicine experience



MDConsults is Web and Mobile based telemedicine platform for patients and health providers. MDConsults has introduced several new and innovative features, along with major improvement in the available features to strengthen the business processes and for improve user interface. Such features include:

- Screen Sharing on Live Consultation: Screen sharing feature will help in sharing necessary diagnostic information, such as ECG, ultrasound and Echocardiogram directly from the screen without importing the files to MDConsults. This feature will help in real time diagnosis.
- Video/screen recording for keeping record of teleconsultations.
- Video on/off option in case of bandwidth adjustment.
- Group consultation for second opinion and learning.
- Integrated Past medical history with each case.
- Vital signs form and history of vital signs.
- Chat option during consultation.

Sojro- Integrating Innovations in telemedicine



Along with the telehealth software and other digital non-invasive technologies, Tech4Life has recently given birth to 'Sojro' which is Telemedicine in a box. Sojro has been designed to encompass different means of communication, transmission of health information and smooth communication between patients and health providers. To keep the innovation factor alive, the devices are place in an easy manageable hard-shell bag pack. This bag weighs not more than 4 kgs which makes it mobile and easy to carry. The bag includes:

- Tablet for operating MDConsults (Telemedicine Solution)
- Vital sign monitor (For BP and heart rate)
- eSteth (Digital stethoscope)
- Wireless dermatoscope (For hassle-free skin examination)
- Iris scope (For eye examination)
- Wireless ENT camera (For hassle-free eye, nose and throat)
- Built in speaker
- Wireless keyboard and mouse
- Battery backup support

Sojro tends to fit perfectly in specialties like general physical examination and has full potential to be customized for other specialties as well.

Our Products & Services

'MDConsults' is world's fastest growing, HIPAA compliant Telemedicine platform, aimed at improving access to healthcare around the world