



INVITATION FOR EXPRESSION OF INTEREST (EOI) FOR  
DEPLOYMENT OF INNOVATIVE MEDICAL DEVICES

1. **Title of the Project:** " Innovative medical devices for affordable healthcare - Deployment"
2. **Background:** BETIC (Biomedical Engineering and Technology Innovation Center), IIT Bombay focuses on the development of indigenous medical devices. BETIC connects doctors, researchers, entrepreneurs, industry, and government for the innovative development of novel, locally suitable, reliable, and affordable medical devices.

In the last 9 years, BETIC team members have gathered over 500 unmet clinical needs from clinical partners and hospitals, developed 250 proofs-of-concept of different medical devices in close collaboration with expert doctors, filed 55+ patents and 30 products have been developed. The core vision is to create global success stories of indigenous medical devices.

NSE Foundation and BETIC collaborated to initiate a project for deploying these innovative medical devices to create an impact through the CSR activity. Under this initiative the following three of the products having been selected: (1. digital stethoscope, 2. neuropathy screener, 3. polio caliper) specifically designed for cardiovascular, diabetes screening, and poliomyelitis. These devices have been selected for deployment by NSE Foundation considering their potential to significantly enhance the early detection and management of cardiovascular and diabetes-related medical conditions and assist activities of daily life of polio-affected patients in low resource setting.

3. **Objectives:** The objectives for the initiative are:
  - (i) To improve access to healthcare services for rural populations in India through the deployment innovative medical devices, including digital stethoscopes, diabetic foot screeners, and knee-ankle-foot orthoses.
  - (ii) To provide early detection and management of non-communicable diseases (NCDs), diabetes, and post-polio complications.
4. **Potential Deployment Partners:** Directorate of Health Services of States, any government organization which has a program to deploy the devices, NGOs, healthcare facilities with access to rural population and other such agencies. In addition to deploying the devices, the deploying entity will monitor the usage of the devices and share the report of the utilization of the devices.
5. **Targeted Group of the Project Proposal:** Rural populations including women, children, and elderly individuals.
6. **Project Cost:** The cost of medical devices to be deployed is supported through CSR funding from NSE Foundation. The expenses for deployment to be borne by the deployment partners.
7. **Path Forward:** The interested deployment partners can submit the letter of interest ([link](#)) before 15 Feb 2024 at [admin@betic.org](mailto:admin@betic.org). Since the number of devices supported under this initiative is limited all requests for deployment may not be fulfilled.