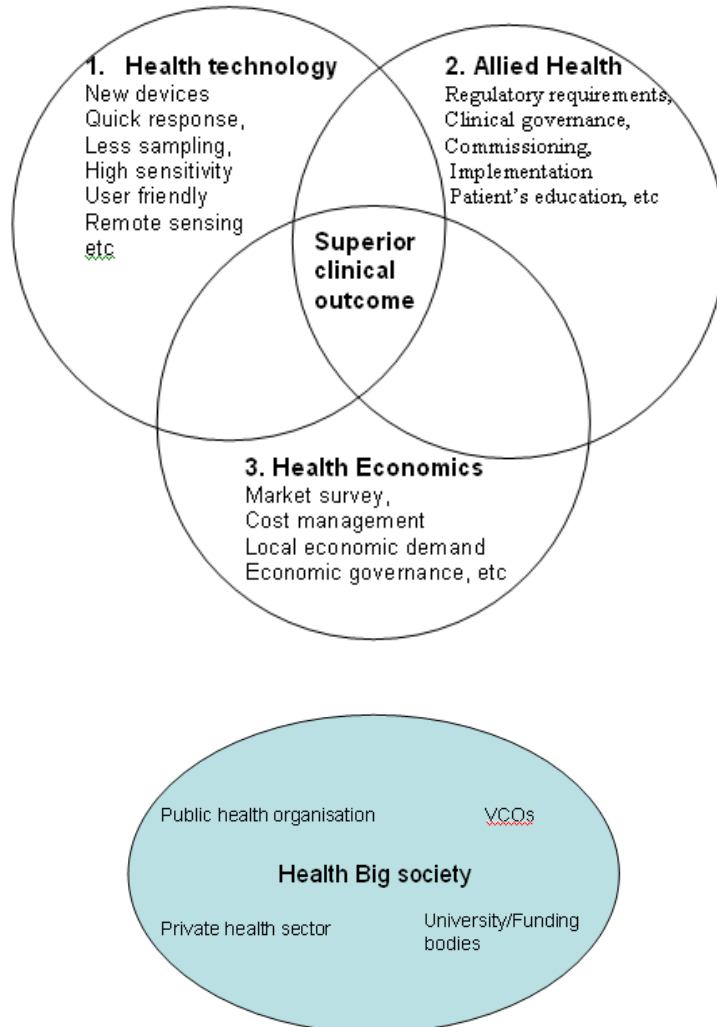


## Embedding point of care sensor devices in health care set-up: A multidisciplinary research approach

Current economic and social environments are looking for change in healthcare delivery all over the world, in both hospital and community health care set-up. It is essential to provide a rapid test result for the maximum benefit of patients care. In general test kits, analyser used near the patients rather than clinical laboratory are termed as point of care (PoC) devices. There are number of point of care (PoC) devices have been developed in last decades; however poor analytical quality, lack of market understanding, less coherence to the society have hindered their progress. Moreover, till date, PoC devices are not considered as a replacement for the conventional laboratory service, but rather a supplement to it. . This research mainly aimed to highlights: i) Technological implementation and analytical quality of the devices, ii) Regulatory and market demand, iii) Data processing and education to the end user, iv) New road map for the improvement and effective clinical outcomes of patients.

### Programme of Work:

- Stage 1. Microfluidic devices fabrication, economic survey and present guidelines for PoC devices
- Stage 2. Development of the devices in laboratory set-up.
- Stage 3. Pre-clinical trials
- Stage 4. Clinical trials of the devices
- Stage 5: Training, effective use.



**Note:** Voluntary and charitable organizations (VCOs)