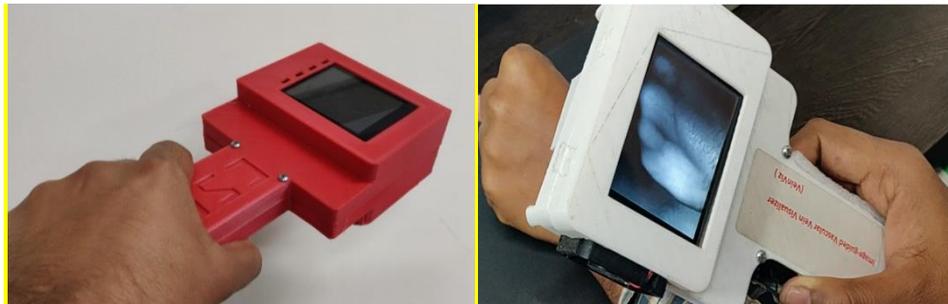


# VeinViz: Image-Guided Vascular Vein Visualizer

## Introduction

Vein-Viz is an indigenous and handheld vein visualizer device to view venous information in real-time on a screen. The vein detection approach is based upon infrared imaging. It is very useful for persons with hidden or difficult to access veins.



## Salient Features

- Imaging based vascular detection and localization for precise catheter insertion or piercing of peripheral veins
- Indigenous, affordable and portable device for vascular vein detection and visualization
- Visualization capability for difficult to access hidden veins in children, obese and elderly
- Option to detect veins towards different body characteristics and skin tones
- Non-invasive & non-contact design towards patient safety from infections

## Applications

To assist healthcare workers for detecting and visualizing difficult to access hidden veins in obese subjects, trauma patients, elderly patients, children, etc.

## Users

- Clinicians, Hospital ICUs & In-patient Wards, Clinical & Diagnostic Centres, and Blood Banks for locating veins for intra-venous treatment of patients.

## Status

- A portable handheld prototype to view vein information in real-time is ready
- Clinical trials planned to be conducted at GMCH, Chandigarh