|  |  |
| --- | --- |
| **Name: Vikram Upadhya** | **Employee Code: 51381895** |
| **DU Name: ERS-PTS-MAA** | **L4: Saravanan Sugavanam** |
| **L3: Krishnamoorthy** | **L2:Sanyam** |
| **Domain: Medical V&V** | **Service Line:** |
| **Business Impact to Customer: Yes / No** | **Account Name : Healthcare** |
|  | |
| **Idea Heading:**    **Medical Devices used by the client use various Signal waveforms to simulate conditions and to sense the patient data. Calibrated Function generators are used as part of the Test bench to calibrate the sensor data, Firmware and Software integration and to ensure repeatable measurements.** | |
| **Idea Details:**  **The Value creation is to have the Test Bench automated with Squish IDE which allows for Access to the Device and Application under Test(DUT/AUT).**      **Current Process:**  **Current Process involves manual calibration and setup of the TestBenches. Operation that involves multiple settings and test Bench configuration which could be error prone for Reliability tests.**  **Constraints:**  **References:**   * Control of the Agilent/KeySight Function generators – 33522A/33220A are possible via Python on Squish using VISA/Libusb packages. * Squish for Android was chosen to connect to and register the Squish Hook to the Android APK-AUT. * Values were injected from the Function generator and from USB port and were seen on the Device. * Verified that values were reported on Squish from the APK-AUT and were reported correctly. | |