Initial Risk Analysis												Post Implementation (Residual) Risk Analysis					
Hazard Type	Hazard ID	Hazard	Risk	Cause	Probability of Occurrence Frequent - 5 Probable - 4 Occasional - 3 Remote - 2 Improbable - 1	Probable Severity of Harm Catastrophic - 5 Critical - 4 Serious - 3 Minor - 2 Negligible - 1	RPN	Control Measure Type	Control Measure Description	SRS No.	RTM*	Probability of Occurrence Frequent - 5 Probable - 4 Occasional - 3 Remote - 2 Improbable - 1	Probable Severity of Harm Catastrophic - 5 Critical - 4 Serious - 3 Minor - 2 Negligible - 1	RPN	Risk Effectiveness	ALARP	Go/No Go
Electrical	1	Device low on power	Cannot start measuring heart rate	Battery low	3	1	3	Design	Produce visual warning when battery approaches low threshold	1	120	1	1	1	-	Yes	Go
					3	1	3	Design	Produce audible warning when battery approaches low threshold	2	120	3	1	3	0	No	Go
					3	1	3	Design	Auto shut down when battery is low	3	120	4	1	4	+	No	No Go
					3	1	3	Design	Provide battery recharing stand	4	120	1	1	1	-	Yes	Go
					3	1	3	Direction for Use	Explanation on warning and instruction to replace battery	5	120	2	1	2	-	Yes	Go
					3	1	3	Design	Use solar power to recharge battery	6	120	1	1	1	-	Yes	Go

Contact info: edwutg1@gmail.com