Proposed Solution

S.no	Parameter	Description
1.	Problem statement(Problem to be solved)	**Mainly customer rely on power supply for battery's Performance** **Solution:** • To minimizing power demand is to **choose a processor** that can be efficiently driven into sleep mode when no measurements are necessary and **draws minimal leakage current while asleep**. • Choose the right processor, memory subsystem, oscillator, and A/D converter, as well as coding efficiency for energy reduction.
2.	Idea/ Solution Description	• **Solar energy harvesting is facilitated by photovoltaic (PV) cells** that convert sunlight into a flow of electrons due to a photovoltaic effect. • **Kinetic energy** from everyday activities can potentially be used to power smart devices. • Some techniques allow **wind energy to be converted into vibration energy for harvesting**. • Use of **supercapacitor** which can tolerate charge or discharge cycle power than rechargeable battery
3.	Novelty/ Uniqueness	• Use **silicon wafers** and typically perform at about **15 – 20% efficiency.** • Use **amorphous silicon** and deliver typically **10 – 15% efficiency and have some flexibility.** • Here we can use ,technology is based on a proprietary process known as **'reverse electrowetting'** which converts mechanical energy to electricity via a microfluidic device.
4.	Social impact/Customer satisfaction	• Society will come to know about **the technology upgradation for child safety.** • This system can **reduce the child abuses.** • More **awareness will increase** within public about this system. • All people can affordably get the safety gadget for their children safety measure, because **cheap in cost**.
5.	Business Model	• **Supercapacitor**(or) ultracapacitor , it is **light weight and low cost.** • **Solid-state battery** technology **promises cheaper, safer, more reliable, more energy-dense and longer-lasting products**. • We can use edge sensors that are low cost, compact, rugged, reliable, and very low maintenance become essential.

6.	Scalability	• By this system we can **avoid violence against children** • Using energy harvesting whenever possible helps to achieve these objectives, by making the devices **battery-free**, or at least run from **batteries that will last for many years before needing replacement.** • **Maintenance costs are reduced**, while the devices become more robust and reliable.