

Ideation Phase

Date	07 Oct 2022
Team ID	PNT2022TMID33322
Project Name	Project - IoT Based Safety Gadget for child Safety Monitoring and Notification

Problem Statement

Nowadays, the crime rate associated with children keeps increasing due to which draws peoples' attention regarding child safety. This research is conducted to propose a child security smart band utilizing IoT technology. Online questionnaires and semi-structured interviews are methodologies used to collect data. The online questionnaire gains feedback by sending questions electronically, where answers need to be submitted online. In the semi structured interview, researchers meet and ask respondents some predetermined questions while others being asked are not planned in advanced. Through information obtained, a smart band has been proposed to monitor the safety of children. By this, parents know what is happening remotely and can take actions if something goes wrong. The future improvements of this device will be adding functions and software to make it work like a phone such as messaging, gallery, Google, YouTube, meanwhile, adding more child security features so that child safety is guaranteed.

Problem Statement Template



Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	Parent	Track and Monitoring	It is difficult to monitor	It shows only the location but it does not monitor	Scared
PS-2	Parent	Track and Monitoring	It is difficult to find location	It shows only the approximate location	Feared