

Team 3-14's

THE P.R.A.M

Practical!

Affordable!

Reliable!

Mobile!

Comes with MUSIC & SECURITY features!



Light sensor sets cover orientation based on external light intensity



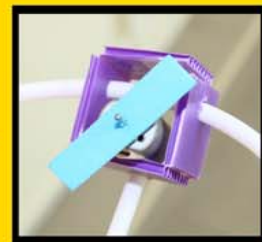
Rainfall sensor automatically triggers the full cover orientation to protect the baby from sudden rainfall

3 movable positions:
UP / HALF DOWN / FULL DOWN



Keypad with 13 buttons:

- *Power
- *Mute
- *Reset
- *Lock
- *Toggles for Fan, Cover, Music and Tracking functions
- *4 preset modes: Default, High Alert, Play and Sleep



Fan speeds are set automatically based on the external temperature.

3 modes of Operation:
OFF / SLOW / FAST

MISSION STATEMENT

Prams have become an absolute necessity in ensuring safety and comfort for both the child and the parent on the go. Prams currently in the market just act as vehicles to carry the child around, with little emphasis placed in ensuring comfort for the child or meeting the needs of young mothers.

Recognizing this importance, we propose to create a simple albeit elegant system that will help in creating a pram that not only serves as a personalized room on-the-go for toddlers but also meets the requirements of young mothers, allowing them to enjoy motherhood.

Keeping in mind the limitations of time, feasibility and budget, we created The PRAM, with functions such as Radio Frequency Tags to ensure security in the system and a wireless tracking system to help mothers track their enthusiastic toddlers who might get lost in crowded areas. Automated fan and cover systems help to ensure the comfort of the child in any situation.

This Project aims to optimally meet both the needs of mothers as well as toddlers thereby making it an enjoyable experience for both. Features in the project are inspired upon speaking to young mothers and we aim to satisfy most of their needs in a single package.

THE PRAM provides intelligent and practical systems that require minimal input from the mother. The existence of predefined

PLUS:
Baby
Bracelet



Allows dynamic tracking of a child via RF transmitter-receiver and interrupt-enabled buzzers