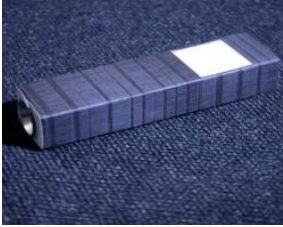# Planes for Hackaday 2018

Infinity Flashlight:

Infinity Flashlight is low cost and reliable power source in from light source available with you without being worrying about battery, solar or any charging system for children education having no source of light at night very useful in developing countries.

Flash Light

Head Lamp Light

Market:

Infinity flashlight basically target the hikers, worker in cave, researchers, students and professionals for their research purposes in the same form or in a modified from. Due to the nature of the project, in terms of hack ability, it can be used to design and develop for any low power and low cost product for developing countries.

Solution:

Infinity Flashlight is a flashlight powered by body heat. Open source available to anyone. Infinity flashlight is made by thermoelectric generator peltiers easily available. Where the cost of product is just a fraction. In research of wireless (Iot) and low power battery free applications infinity project very helpful. The main objective of infinity flashlight and head lamp gives a simple, affordable, accessible and openly available to anyone. Infinity head lamp is specially made to keeping mind how the project would be helpful for our children in education at night. Those are away from education because of light source. Education is the right of every one. With the open source of infinity head lamp project, they will be able to take a part in science and technology.

Competitive Advantage:

- Open source and non proprietary.
- It can be used in its original form or can be modified according to need.
- Open source low cost circuit helpful for solar low volt conversion or any other low volt output harvesting devices available for anyone
- Availability of output3.5v and 5.v1 it has the wide range of wireless (Iot) battery free application with atmosphere temperate difference.

Funding Requirements for the Future:

- Industrial design and usability design
- Depending on the end application, approvals and certification required.

All project documentation and process is available on hackaday
https://hackaday.io/project/158857-body-heat-powered-flashlight

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