

## Challenge #2: Create a futuristic mechanism to power electrical devices

Most of non-metro cities in India face power cuts lasting 4-8 hours a day!

Create a revolutionary mechanism that can power basic electrical appliances like lights, fans, refrigerators and water purifying systems on its own.

Think of it as a first-of-its-kind solution, and not just an incremental improvement of the existing ideas.

### Basic requirements

**Unique mechanism:** The solution should have a unique alternative power or charging mechanism that works with or without availability of electricity, so that it can also be used in areas that have no electricity. Existing sources of energy, like solar or wind can be used but the final solution should use them in a unique manner.

**Smart design:** The design should be portable, weather-proof, temperature-proof and shock-proof.

**Universal usage:** The solution should be relevant in all parts of India

### The solution needs to be:

- Scalable (easily replicable across India)
- Affordable (by using easily available materials)
- Easy to maintain

If you have any queries or need clarifications about the problem statement, please send an email to [info@navachar.in](mailto:info@navachar.in)