

# Team Savage Buggers



**Hackathon Day – Big Day**

September 06-07

9:30 am

NSU, Dhaka



### **Team Information:**

Team Name: Savage Buggers

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Segment/Problem Area: Energy Consumption Awareness in Household.



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## Problem Identification



People are wasting power due to their lack of consciousness. For which the electricity is not distributing in every area properly and we are suffering from insufficient power.

We have targeted the commoners. Specially the metropolitan people.

A link of The Daily Star is attached here which shows a article of waste of energy-  
“<https://www.thedailystar.net/business/waste-electricity-1348048>”

We feel that if this problem is solved a lot of power waste will be reduced and power can be distributed more efficiently.



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## Proposed Solution



By knowing the usage of current, people can conveniently save electricity. By this they will also be aware of the energy waste. This will help the user to save power and will make the power distribution more efficient. For this we have design a Device which will sense the current and show a curve of usage via Web Application and Android Application. By that consumers will be able to monitor their usage and make most efficient use of power.

Consumers can even monitor the power usage even if we are not home. Because of this current theft can also be stopped. We will supply this device at a very low cost.





## Business Plan

<p><b><u>Key Partners</u></b></p> <p>Automated Companies /Part Suppliers</p> <p><b><u>Key Suppliers</u></b></p> <p>Material Suppliers</p>	<p><b><u>Key Activities</u></b></p> <p>Awareness Camping Acquire funding for Prototype Monitoring data Develop manufacturing capability</p>	<p><b><u>Key Resources</u></b></p> <p>Lab facilities Manufacturing specialists</p>	<p><b><u>Cost Structure</u></b></p> <p>Supplies for construction of window Worker engineers management Space</p>	<p><b><u>Value Proposition</u></b></p> <p>Usage saving is the core value</p> <p>Efficient power consumption at least cost</p>
<p><b><u>Revenue Stream</u></b></p> <p>By including the system with electrical devices the customer will be beneficial</p>				

## Scalability Plan



We have specific plans for our system and we are going to implement those in future.

Such as-

- ❑ IoT based Home Automation System can build from our system.
- ❑ We can also add quick recharge option in our Android application and Web Application.



## Required Cost for R&D, Piloting & Market Ready Operation



Device Cost: 600/- to 800/-

Approximate selling price of the product can be: 800/- to 1000/-

As we are giving ownership of the solution to the government will have a authority to supervise this product.

R&D:

Per Device 300/-

Plotting:

No Cost

Market Ready Operation:

Per Device 200/-



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**Thank You**