**TITLE OF STUDY**

Power Consumption Measurements of Universities Data Center

**PRINCIPAL INVESTIGATOR**Md. Ashraful Hasan

Anik Saha

Monjurul Alom

Afia Nishat Kanta

Computer Science and Engineering

Rampura, Dhaka-1219

01795814994

{2019-1-60-219,2019-1-60-220, 2018-3-60-035,2019-1-60-128,2019-3-60-097}@std.ewubd.edu,mcctuhin@ewubd.edu

**PURPOSE OF STUDY**  
  
You are being asked to take part in a research study. Before you decide to participate in this study, it is important that you understand why the research is being done and what it will involve. Please read the following information carefully. Please ask the researcher if there is anything that is not clear or if you need more information.

The purpose of this study is to measure the power consumed by the data center of our university.  
  
**STUDY PROCEDURES**  
We will collect data from MDB machine of our data center.  
We want to take an audio interview of our conversation.

**RISKS**  
  
There is no risk to share data and help our research project.

You may decline to answer any or all questions and you may terminate your involvement at any time if you choose.  
  
**BENEFITS**  
  
There will be no direct benefit to you for your participation in this study. However, we hope that the information obtained from this study may help EWU to understand the power consumed by a very important part of the varsity, data center*.*

**CONFIDENTIALITY**

Your responses to this [survey] will be anonymous. Please do not write any identifying information on your [survey]. OR For the purposes of this research study, your comments will not be anonymous. Every effort will be made by the researcher to preserve your confidentiality including the following:

[State measures are taken to ensure confidentiality, such as those listed below:

* Assigning code names/numbers for participants that will be used on all research notes and documents
* Keeping notes, interview transcriptions, and any other identifying participant information in a locked file cabinet in the personal possession of the researcher.]

Participant data will be kept confidential except in cases where the researcher is legally obligated to report specific incidents. These incidents include, but may not be limited to, incidents of abuse and suicide risk.

**CONTACT INFORMATION**   
  
If you have questions at any time about this study, or you experience adverse effects as a result of participating in this study, you may contact the researcher whose contact information is provided on the first page. If you have questions regarding your rights as a research participant, or if problems arise that you do not feel you can discuss with the Primary Investigator, please contact us.

**VOLUNTARY PARTICIPATION**  
  
Your participation in this study is voluntary. It is up to you to decide whether or not to take part in this study. If you decide to take part in this study, you will be asked to sign a consent form. After you sign the consent form, you are still free to withdraw at any time and without giving a reason. Withdrawing from this study will not affect the relationship you have, if any, with the researcher. If you withdraw from the study before data collection is completed, your data will be returned to you or destroyed.

**CONSENT**  
  
I have read and I understand the provided information and have had the opportunity to ask questions. I understand that my participation is voluntary and that I am free to withdraw at any time, without giving a reason and without cost. I understand that I will be given a copy of this consent form. I voluntarily agree to take part in this study.

Participant's signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_   
  
  
  
Investigator's signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_

**QUESTIONS:**

1. Why is there no sub-metering system for the EWU data center?

2. What are the barriers to setting up sub-metering?

3. What is the procedure for setting up a data center’s sub-meter?

 1. If it is possible? then, how effective it can be in the future?

 2. Is it a good initiative?

 3. If yes, how?

 4. If not, why?

4. How does EWU pay the current bill?

5. How much is the per unit cost of the current bill?

6. The current bill rate goes flare rate or Fluctuate rate?