MEASURE OF ENERGY CONSUMPTION

**PROJECT OVERVIEW:**

This project aims to comprehensively assess energy consumption within [specific location/building]. By deploying advanced data collection methods and analysis techniques, the project will identify consumption patterns and areas of inefficiency. It will offer actionable recommendations for energy optimization and sustainability, promoting the adoption of efficient technologies and renewable energy sources. The project seeks to foster collaboration among stakeholders and contribute to a more sustainable energy future.

**PROJECTED OUTCOMES:**

* Enhanced understanding of energy consumption patterns
* Identification of opportunities for energy optimization and cost savings
* Implementation of sustainable energy solutions
* Reduction of carbon footprint and environmental impact
* Improved collaboration and engagement among stakeholders for sustainable energy management.

**CODE**

import javax.management.\*;

import java.lang.management.ManagementFactory;

public class EnergyConsumpƟonMonitor {

public staƟc void main(String[] args) throws ExcepƟon {

// Get a reference to the plaƞorm MBeanServer

MBeanServer mbs = ManagementFactory.getPlaƞormMBeanServer();

// Define the ObjectName to access system power management data

ObjectName osObjectName = new

ObjectName("java.lang:type=OperaƟngSystem");

// Define aƩributes related to energy consumpƟon

String[] powerAƩributes = {

"ProcessCpuLoad",

"SystemCpuLoad",

"ProcessCpuTime"

};

// Print energy-related informaƟon

for (String aƩribute : powerAƩributes) {

Object value = mbs.getAƩribute(osObjectName, aƩribute);

System.out.println(aƩribute + ": " + value);

}

}

}

**OUTPUT**

