**Smart Sanitary Pad**

Menstruation also known as a period is the regular discharge of blood from the vagina. It comes once every month and last from four to seven days. Girls who have reached puberty, experience menstruation with pains before or doing the period.

The invention would be a smart and comfortable sanitary pad that would detect and reduce menstrual pain before and doing the flow while serving as a normal pad for absorption of the flow.

The potential benefit of this sanitary pad are numerous. One of the benefit is that the raw material for this pad would be sourced from item that are easily available without affecting the environment. Since the pad would be used after ovulation and towards the cycle period, it will be able to reduce the intensity of stomach cramp that comes with the period. On a general scale, it will still serve the purpose of convectional sanitary pad that is, the absorption of monthly blood flow also called period.

Though the potentials of this sanitary pad cannot be overstated, it will still be met with several obstacles or challenge. .One of the major challenge it will encounter is from those that are already in the sanitary pad industry. Another one is the amount of the technology that would be required to convert local material into finished product [pad]. Finally educating the consumers on the need to accept this new product and it’s benefit would be very difficult.

The first challenge could be solved by using the local materials around to bring down the cost while maintaining high standard and quality. The second challenge can be overcome if government and other organization create an environment that will make the technology and system more accessible. The finial challenge can be overcome through sensitization and local workshop while including user guides in the product part.

In conclusion, the smart sanitary pad is visionary approach to creating a sustainable and reliable sanitary pad as well as ending period cramps and expensive monthly flow management among young girls and adult women. If I can invent anything based in my personal experience the smart sanitary pad would be my contribution to humanity.