these subconscious emotions is abstract, and has little or no value during heated relationship arguments. It is only after we have a deep understanding of our own emotions that we can reach a certain level of empathy. Empathy is seeing the world through other people's eyes [cite needed]. This is an important step in the path of accomplishing long-lasting human relationships. Purpose of the Empathy Totem system: To collect emotion data, convert them to a quantitative rate, and visually display the emotions that are being experienced. Mission of the Empathy Totem system:

In everyday life we receive and emit information rooted to our internal emotional network. Often times our expression of

This project investigates how people can gain a better understanding of human emotions by interacting with data

Empathy Totems v0.1

systems as part of their environment.

Design Document

Abstract

Hardware Setup:

Arduino

Processing

LAMP stack server Linux

> Apache MySQL o PHP

 Input emotion data from a mobile device • Store emotion entries for further analysis

Interpret emotion data and convert to empathy rate

Emotion → Emotion Rate → Empathy Rate → Empathy Glow

Application → Web Server → Processing → Arduino

Linux \rightarrow Apache \rightarrow MySQL \rightarrow PHP \rightarrow Application

Let's improve the quality of human lifeform.

[Quotes, paradoxes and existentialist goodies here]

Struggles of an everyday life

The product

Photos

About

[significant stats]

other].

The Product

For happier humans :)

Product Features

Photos

About

Intro

Apps:

Wireless sync:

Dimensions:

Power:

Weight:

0.0 kg

Requirements:

Sources

• 00.0x00.0x00.0cm

1 9V Alkaline batter

Wi-Fi home network

Sensors:

Product features

Struggles of an everyday life

The world's first smart totem to track, analyze and represent emotion data.

30% of [bla, bla, bla] can be [bla, bla,bla] 125 times more than [more bla]

The world's first smart totem to track, analyze and represent emotion data.

Free app to monitor, visualize, and understand your emotional patterns

High accuracy happiness tracking based on the Experience Sampling Method (ESM)

• Automatic data synchronization. Constant and up-to-date empathy rate visual representation.

Seamless connectivity. Bluetooth for easy setup and hassle-free data transfers.

Why is it important to monitor your emotion rate? A higher [bla, bla] can be a sign of [more babbling] over [something or

Data entry implementation based on the Experience Sampling Method (ESM), an electronic paging approach to study

[some sad story on depression or some other human nonsense]

First totem with human emotion rate monitoring

Automatic upload readings over Bluetooth

Empathy levels measurement and analysis

happiness. [Hektner, Csikszentmihalyi]

Emotion rate sensor (patent pending)

Empathy Totems web-app iOS optimized

Bluetooth-enabled PC (Mac, Windows, Linux)

Bluetooth connectivity compatible with Mac, Windows, and Linux

Native iOS and Android (v.02)

Openness in communication channels with loved ones

Data input mobile app for constant and accurate data gathering.

The human emotion tracking totem

Emotions and feelings tracking

Wireless sync via Bluetooth

Represent empathy rate by using color, form, shape, and texture

Send emotion data to Arduino

Data Input/Output Process flow:

 Totem-based structure design Low-poly themed aesthetic

Ping-Pong ball as LED diffuser

Receive emotion data from server

[info here]

Software:

Functions:

palette.

Structure:

Diagrams:

Data flow:

Circuit:

[circuit diagram]

Network Topology:

Hardware set-up:

Application Stack:

[hardware set-up diagram]

Concluding Remarks

Personal postmortem:

[knock yourself out]

Version 0.2:

[list them here]

Press Pack

Empathy Totems

Content

To enable people to understand, share, and increase their level of empathy to one another. Feedback loop within the Empathy Totem system: 1. Self-actualization of current emotional climate

2. Understanding and communication of our own emotional stream 3. Recognize external emotions that are being experienced by others around us 4. Relate ourselves to the feelings of others and provide compassion

The system output consists of a mythical totem serving as a visual representation of a person's empathy rate. This enables people to increase their emotional awareness level and communicate it across. The totem's physical structure acts as an omnipresent reminder of inner emotions. **Need/Opportunity**

[Human sadness & fast-paced world buzzkill statements here] **Market Research**

[Sentiment analysis criticism here and how it sucks so much] **Feature by Feature Design Description**

The data input is received as a ratio correlating challenge degree to skill level. This is represented among nine different zones based on Mihaly Csikszentmihalyi research on 'flow'. [List them here], [and cite] The data is entered through a web-based mobile application optimized for the iPhone. As The data is then stored in a

database. The Arduino is loaded with custom software to fetch the emotion values from the database and interpreter it to theory shenanigans] interpreted by the software running on the Arduino.

a color palette correlated to indicators based on the emotion data and Csikszentmihalyi research. [add some other color The data received and interpreted by the Arduino is then represented by an LED that constantly fluctuates through multiple color patters correlated to the user's historical and current emotion data. Hardware:

A Processing application is running on a PC in order to continuously fetch emotion data from the server. This data is then 1 Arduino Uno micro-controller 1 Bluetooth Arduino shield

4 Wires 1 Breadboard 1 RGB LED 3 Resistors 1 9v Battery 1 9v Battery Arduino Adapter

The Empathy Totems mobile web app collects the emotion raw data and stores it in a database. An empathy rate value is

Arduino micro-controlled located in the totem. The totem then represents an empathy glow based on a correlating color

then calculated based on current and historical emotion data. The empathy rate is then fetched via Bluetooth by an