

Electronic Hobbyist Decision

Thursday, August 28, 2014

4:52 PM

Agenda:

- ☒ Agree to technical project via kickstarter + personal commitments ALL
- ☒ Labview Interface via USB or UART to microcontroller, real time data acquisition, determine design of labview, core modules or individual modules. Nabeel
- ☐ Research and choose Microcontroller to be used. (PIC18F26K80) Naeem
- ☐ Sensor options, how many to use? Naeem
- ☒ Cad software to use (2d or 3d), Solidworks or Autocad? Bilal

Attendees:

- Naeem
- Nabeel
- Bilal

Opening:

The regular meeting was called to order at 5:00 PM on August 28, 2014 on TeamViewer.

Approval of Agenda

The agenda was unanimously approved as distributed.

Approval of Minutes

The minutes of the previous meeting were unanimously approved as distributed.

Open Issues

Summarize the discussion for each existing issue, state the outcome and assign any action item.

New Business

Summarize the discussion for new issues, state the next steps and assign any action item.

- ☒ Autocad is used for 2d, solidworks has 3d option after 2010, autocad and solidworks both available on youtube. System requirements dictate that BILAL would require a new PC.
 - ☒ Do we need 3d modelling? Eventually for product launch
 - ☒ Autocad has the free student version, solidworks student version is \$150 (100 pounds).
--> Decision: Solidworks has a bright future so it makes sense to use it to start off with.
- ☐ Bilal: Should start gathering the material to learn solidworks, which will eventually be used for a product launch to a broader audience.
- ☐ Naeem: USB standard to be used for Micro communication and power
- ☐ Naeem: Programming Language to be used? "C"
- ☐ Naeem: Hardware aspects to be further investigated?
- ☐ Nabeel: Serial protocol to be designed for Labview --> is the micro a master or slave device. What is the packet to be sent and expected to be received.
- ☐ Nabeel: User eltima for virtual serial connection

- ☐ packet to be sent and expected to be received.
- ☐ Nabeel:User eltima for virtual serial connection
- ☐ Agree on tools during next meeting, bilal to start learning C programming.
- ☐

Agenda for Next Meeting

See items above

Adjournment:

Meeting was adjourned at 6:00PM by Nabeel. The next general meeting will be at 10 AM on September 7th, 2014 on TeamViewer

Minutes submitted by:
Nabeel Majahid