**Virginia Motorsports Technology Committee**

Meeting Agenda & Minutes

*Date and Time*: 3/18/2021, 4 PM

*Next meeting*: 3/25/2021, 4 PM

**Agenda**

1. Discussion & Other Topics
   1. Tasks
      1. **Inventorying (Vishal)**
         1. Document how to make labels
      2. Documentation server for (F)(B)SAE (**Daniel/Ian**)
         1. <https://drive.google.com/drive/u/1/folders/1qwrWyGgBfoQFp-Ki8S_G30EEWB74GGd6>
         2. Research AWS and Mediawiki
            1. Maybe see if it’s been done before
      3. Public website updates (**Daniel**)
         1. Update FSAE Page
            1. See: formula 2020-2021 drive folder
         2. **Add alumni jobs page**
            1. Ask blake g for alumni data
            2. See: alumni 2020-2021 drive folder
            3. <https://drive.google.com/drive/folders/1lAmWSBmJJi_L-3e6Hd5OTeyYWY6k2i_G?usp=sharing>
   2. Purchase things ideas
      1. RGB for shelving or one of our competition cars
         1. Estimate: 20-40$?
         2. <https://www.adafruit.com/product/1138?length=1>
         3. Remote-controlled:
            1. <https://www.ebay.com/itm/65FT-LED-Strip-5-20m-Lights-5050-RGB-Color-Change-Remote-for-Bedroom-TV-50FT-Set/353361639339?hash=item5245feb7ab:g:hxoAAOSwbahgN5lc&var=622564408761>
            2. <https://www.ebay.com/itm/65-6-ft-RGB-5050-Bluetooth-Led-Strip-Lights-SMD-24-Key-Remote-12V-DC-Power-Kit/363298972248?hash=item54964e6258:g:Hq4AAOSwHYBgJAta>
            3. <https://www.ebay.com/p/933922483?iid=224055363854&var=522824030009>
         4. Addressable
            1. <https://www.amazon.com/Addressable-Speclux-Magnetic-Lighting-Motherboard/dp/B08212VVGS/ref=asc_df_B08212VVGS/?tag=hyprod-20&linkCode=df0&hvadid=416884860702&hvpos=&hvnetw=g&hvrand=10319663218057631402&hvpone=&hvptwo=&hvqmt=&hvdev=c&hvdvcmdl=&hvlocint=&hvlocphy=9008602&hvtargid=pla-870187259489&psc=1&tag=&ref=&adgrpid=97671771327&hvpone=&hvptwo=&hvadid=416884860702&hvpos=&hvnetw=g&hvrand=10319663218057631402&hvqmt=&hvdev=c&hvdvcmdl=&hvlocint=&hvlocphy=9008602&hvtargid=pla-870187259489>
            2. <https://www.mouser.com/ProductDetail/SparkFun/COM-14015?qs=FNcb6ahWXRzlT%2FR8nUXl%252Bw%3D%3D&mgh=1&gclid=EAIaIQobChMInaah5dO67wIVCuOzCh1OMgtIEAQYCiABEgJNdvD_BwE>
      2. Microcontrollers to control lights
         1. ESP32
            1. <https://www.amazon.com/s?k=esp32&i=electronics&ref=nb_sb_noss_2>

~5/10 each

* + - 1. ***Double check to see if this is doable/how easy (should be) on an ESP32***
    1. SSDs for computers in team room?
       1. Specs: 2.5” SATA SSD, maybe 120-240 GB (unless larger ones aren’t too much pricier)
          1. <https://www.amazon.com/PNY-CS900-120GB-Internal-Solid/dp/B0722XPTL6/ref=sr_1_8?dchild=1&keywords=sata+ssd&qid=1616098685&sr=8-8>

PNY 120GB, $20

* + - * 1. <https://www.amazon.com/Kingston-120GB-Solid-SA400S37-120G/dp/B01N6JQS8C/ref=sr_1_4?dchild=1&keywords=sata+ssd+120gb&qid=1616098881&sr=8-4>

Kingston 120GB, $25

* + - * 1. Brackets

<https://www.amazon.com/Holder-Mounting-Bracket-Drive-Adapter/dp/B07Y818K6N/ref=sr_1_7?dchild=1&keywords=3.5+to+2.5+bracket&qid=1616098935&sr=8-7>

$4.99

<https://www.amazon.com/Mounting-Bracket-SNANSHI-Adapter-Holder/dp/B0183FSG68/ref=sr_1_2?dchild=1&keywords=3.5+to+2.5+bracket&qid=1616098935&sr=8-2>

2 pack 5.99, 4 pack 10.99

* + - 1. 1 Dell Desktop (Fuck Zack Berman)
         1. Bracket?
      2. Hella iMacs (1 downstairs, ~2? in the team room)
         1. Should be 2.5” Hard Drive I wanna say (21.5 inch are 2.5”, 27” may be 3.5” and need an adapter)
         2. Adhesive for the screen

<https://www.amazon.com/Replacement-Adhesive-Sticker-Opening-27-inch/dp/B07GX8DFNB/ref=sr_1_2?dchild=1&keywords=imac+adhesive+strips+27&qid=1616099361&sr=8-2>

$10, includes cutty wheel

<https://www.amazon.com/Padarsey-076-1444-Display-Adhesive-Compatible/dp/B088YMXSR4/ref=sr_1_3?dchild=1&keywords=imac+adhesive+strips+27&qid=1616099361&sr=8-3>

$7, does not include cutty wheel

* + - * 1. Hinge for iMac

Can Apple fix it under warranty? Is that still a thing?

* + - 1. The HP Desktop Blake is using
      2. Estimate: 100-**200**$?
    1. **Bluetooth AUX Adapter x2-3 (Depending on price?)**
       1. **Estimate: 30-50$**
       2. **~$20 Price range**
          1. <https://www.amazon.com/Mpow-Bluetooth-Receiver-Cancellation-Assistant/dp/B086KY7MCY/ref=sr_1_1_sspa?dchild=1&keywords=bluetooth+aux+adapter&qid=1616098885&sr=8-1-spons&psc=1&smid=ATG2O6TUMZHJW&spLa=ZW5jcnlwdGVkUXVhbGlmaWVyPUEzOTdPVzJBQ1VaUFFJJmVuY3J5cHRlZElkPUEwNDk4OTUxQk1QUkNWTkMwSjRJJmVuY3J5cHRlZEFkSWQ9QTA4ODkwNzIzRVJFTFhTUUlQVFgwJndpZGdldE5hbWU9c3BfYXRmJmFjdGlvbj1jbGlja1JlZGlyZWN0JmRvTm90TG9nQ2xpY2s9dHJ1ZQ==>
          2. <https://www.amazon.com/Upgraded-Bluetooth-Cancelling-Headphones-Hands-Free/dp/B08KY684PB/ref=sr_1_2_sspa?dchild=1&keywords=bluetooth+aux+adapter&qid=1616098885&sr=8-2-spons&psc=1&smid=A3EB9MDGLD5JX3&spLa=ZW5jcnlwdGVkUXVhbGlmaWVyPUEzOTdPVzJBQ1VaUFFJJmVuY3J5cHRlZElkPUEwNDk4OTUxQk1QUkNWTkMwSjRJJmVuY3J5cHRlZEFkSWQ9QTAxNzkzMDczUjJPS1JFSUhGUVNCJndpZGdldE5hbWU9c3BfYXRmJmFjdGlvbj1jbGlja1JlZGlyZWN0JmRvTm90TG9nQ2xpY2s9dHJ1ZQ==>
       3. $10-15 price range
          1. <https://www.amazon.com/VicTsing-Bluetooth-Transmitter-Hands-Free-Assistant/dp/B07SK8YK8L/ref=sr_1_8?dchild=1&keywords=bluetooth+aux+adapter&qid=1616098885&sr=8-8>
          2. <https://www.amazon.com/MiiLink-Bluetooth-Receiver-Microphone-Streaming/dp/B08HZ4LKT2/ref=sr_1_9?dchild=1&keywords=bluetooth+aux+adapter&qid=1616098885&sr=8-9>
          3. <https://www.amazon.com/Mpow-Bluetooth-Streaming-Hands-Free-Assistant/dp/B084RGVL62/ref=sr_1_15?dchild=1&keywords=bluetooth+aux+adapter&qid=1616098885&sr=8-15>
          4. <https://www.amazon.com/TOKSEL-Bluetooth-Receiver-Cancelling-Handsfree/dp/B08CXMW87X/ref=pd_di_sccai_2?pd_rd_w=SJv9j&pf_rd_p=c9443270-b914-4430-a90b-72e3e7e784e0&pf_rd_r=2EBA5EXC6R1KNCTKSY8E&pd_rd_r=492a8303-511c-4d0a-a612-8fe3b4033550&pd_rd_wg=zU0sv&pd_rd_i=B08CXMW87X&psc=1>
    2. Wood for shelving
       1. Varnish or something to coat the wood?
          1. <https://www.homedepot.com/c/ab/types-of-wood-finishes/9ba683603be9fa5395fab90c31963a4#:~:text=best%20wood%20sealants.-,Varnish%20Wood%20Finish,on%20bare%20or%20stained%20wood>.
          2. <https://www.diynetwork.com/how-to/make-and-decorate/decorating/wood-finishes-101>
          3. cheap polyurethane or cheap shellac should run you about $10 per can on the low end
       2. Screws or some dope ass joints?
          1. Like the japanese joints, not weed joints

Waterjet the wood?

* + 1. Printer paper, how much do we have left?
       1. Idk the running price of paper atm
       2. <https://www.amazon.com/AmazonBasics-Bright-Multipurpose-Copy-Paper/dp/B07K8WHH5J/ref=sr_1_6?dchild=1&keywords=printer+paper&qid=1616098135&sr=8-6>
          1. $28
       3. <https://www.amazon.com/dp/B072FVQNWM/ref=twister_B08X8WRDJN?_encoding=UTF8&th=1>
          1. ~$29
    2. Printer Ink for Big Brother?
       1. Find model of it (DCP-8085DN)
          1. <https://www.amazon.com/s?k=tn-650&ref=nb_sb_noss>

~20-30$ it looks like, find one with good reviews

* + - 1. Estimate: 25-40$?