Part 1: Collaboration Site

Create a collaboration site for your team. The collaboration site must:

● Have version ("revision") control

● Support collaborative documentation (e.g., markdown files, wiki, HTML pages)

● Have some kind of issue tracking

For example, a Github site matches all of these requirements, which is what we'll support in ECE411.

Note that Github is free, but repositories are public facing and thus you should have some sort of open

Source license for your project. If you use some closed collaboration tool, note that you'll have to provide

Access to Eric and me for grading purposes.

Email Eric Ruhl <eruhl@pdx.edu> with the URL to your collaboration site.

Part 2: 3x Practicum Ideas

Describe three valid (meets requirements) practicum projects, and indicate which one you've chosen.

Format: for each idea, have a brief paragraph of text which describes:

Post your ideas to your collaboration site! The document must be posted as a PDF, text file, markdown

File, or other HTML-like page so it can be read from within your collaboration site. Mail the link to Eric

Ruhl <eruhl@pdx.edu>.

1,GPS enabled clock (we choose this one):

GPS enabled clock is a kind of clock don’t need to be set but can set the time zone automatically based on the GPS signal in the location.

● The sensor is a kind of device that can receive the GPS signal.

● The controller is programming device when input is a GPS signal, it will give a correct time.

● The actuator is an LCD to show the time.

2 LCD digital clock hourly voice chronograph:

LCD digital clock hourly voice chronograph can report the time hourly. The hourly timer generates a pulse signal every hour by the liquid crystal display clock chip, which achieves the function of timekeeping in English at every hour.

● The sensor is the circuit that can know the light and find out is if it is morning or afternoon.

● The controller is a circuit control time that should be reported which can be done by programming.

● The actuator is a circuit that includes speaker and LCD to show the time.

3. Temperature voice reminder device

Temperature voice reminder device is a device that can perform a voice reminder by measuring the temperature and display the temperature at this time by LED. If the temperature is too low or high, it will give an alert to the user.

● The sensor is the circuit that can know the temperature in the place.

● The controller is a programming device that when the temperature is too low or high it will give an alert to the user.

● The actuator is a circuit that includes the speaker and LCD to show the temperature.