

## To Do List: Week 11

### 1. Assignment 9: Legal Analysis

Due Friday at 11:59pm. Assignment upload portal: [link](#)

Notes:

This assignment is the first of the professional component assignments and consists of 2 basic parts:

1. **Regulatory Analysis** – For your project, consider which agencies you would have to acquire regulatory approval from in order to sell or market your device. If your project involves flight, this may be the FAA, for example. Describe also applicable legal regulations for your device. (For example, power limits for communicating on certain frequency bands, etc.) In all examples, assume the laws and regulatory agencies of the United States.

Patent Liability Analysis – This section is similar to the patent section of the competitive analysis that you had to do during the initial project proposal phase of your design. Include 3 relevant patents, describe them briefly, discuss any potential for patent infringement that might exist between what the patent covers and your own design, and discuss any steps that might need to be taken to mitigate patent liability.

IMPORTANT: do NOT copy the text of any patent abstract word-for-word when describing a patent. Doing so will be severely penalized.

### 2. Spark Challenge Registration:

ECE477 teams are encouraged to register for participation in the Purdue Spark Challenge. Information about the challenge, including registration, is available here:

<https://engineering.purdue.edu/ECESS/spark/>. Please note the registration is individual-based, not team-based, so all members of the team should complete the registration.

### 3. Software Prototyping

For individuals not directly involved with the hardware design process, prototyping progress is expected of students each week. Students should be able to demonstrate a prototyped system and describe progress made on the system to course staff.

### 4. Progress Reports

Progress Reports are due Fridays at midnight (same time as homework assignments). Progress reports should follow the course calendar. For any questions regarding the content to be included within a progress report, students may consult the Progress Report Policy, available here: <https://engineering.purdue.edu/ece477/Course/Policies/ProgressReportPolicy.pdf>