Final Report Format

- NOTE:
  - Build from last semester submissions
  - **Write in full sentences.**
  - **Do not bullet itemize**
  - Grading Emphasis Points (* marks)
- 1. Cover Page
  - Project Title, Project Team Members, Faculty Advisor, Date
- 2. Summary (****)
  - 1 paragraph of condensed description of the entire report

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- 3. Problem Statement (start from last semester's)
  - Long-term goal & 2017-2018 academic year goal
  - 1 paragraph sentence problem statement
- 4. Design Requirement (***)
  - Revise from the last semester, so that
    - (a) they are quantified, and
    - (b) constraints (social, cultural, political, environmental, economic, time, etc) **(*****)**
- 5. Current Status of Art
  - Slightly revise, if necessary, last semester's submission

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- 6. Solution Design **(*****)**
  - Need Major Revision
    - AutoMoe: Content, Drawing, Figures, Decision Matrix
    - Hack: Content, Drawing, Figures, Decision matrix,
    - SensorNet: No hand-drawn figures
    - Terminator: Content, Professional drawing, decision matrix
  - Patent-Like Description (**all teams**) **(*****)**
    - Drawings/Figures should have indicating numbers
    - Text body should include numbers for corresponding parts in the figures/drawings
  - See the example next page

Solution Design Description - Example

- Evolving light patterns in the canvas of LEDs

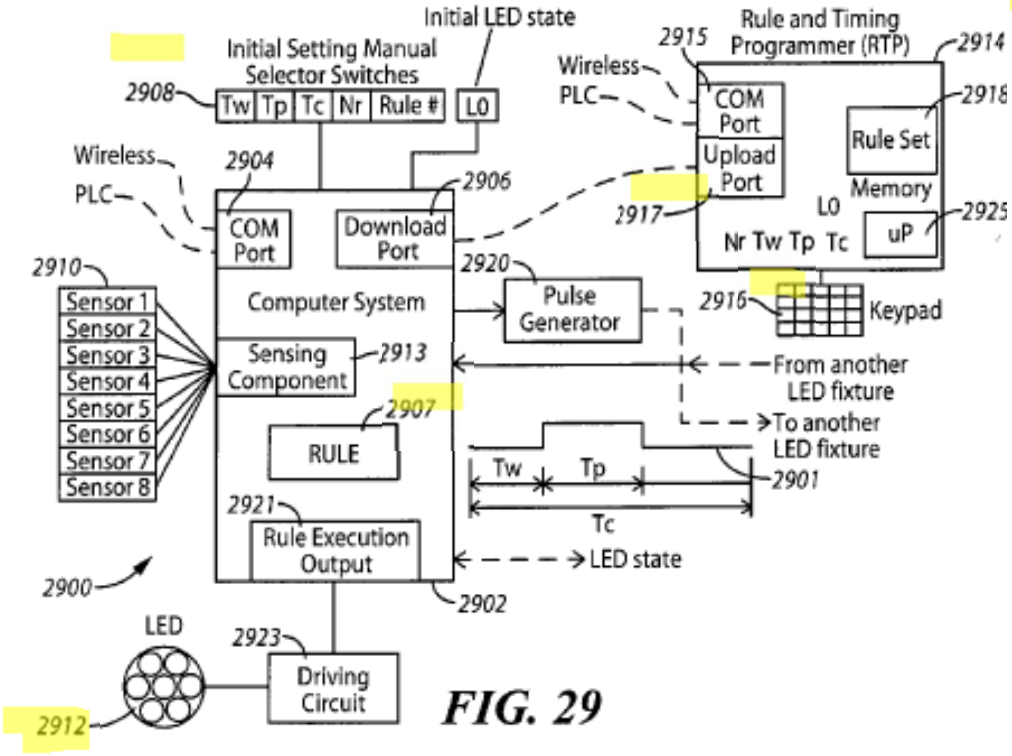

FIG. 29

The *initial items* can be either determined by the manual selector switches **2908** separately placed in the LED fixture or by downloaded from a Rule and Timing Programmer (RTP) **2914**, a separate system not installed in LED fixture. The RTP **2914** includes a processor **2925** and can be realized by a computer system which is capable of wired communication downloading and wireless or PLC communication of the items needed in the LED fixtures that can be typed in by a keypad **2916** attached to the RTP **2914** or available in a memory **2918** inside the RTP **2914**. The RTP **2914** includes a COM port (to receive wireless or PLC data) and an upload port **2917** (to upload information to the download port **2906**). A rule **2907** is downloaded via COM port **2904**. The information from the sensors is processed by sensing components **2913**. A rule execution output **2921** (with instructions as to how to drive the LED **2912**) drives a driving circuit **2923** that converts the instructions to electrical signals to control the LED **2912**.

Another approach for initializing the items mentioned above, whether via manual selector switches **2908** or by RTP **2914**, is to obtain the row number (Nr) and a table of the row number and the timing pulse information for the row number, which is stored inside the memory of the controller and retrievable to the computer system, instead of reading them all separately. This alternative approach is advantageous if the initial setting values are to be downloaded or communicated from the RTP **2914**.

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- 7. Project Implementation Plan
  - Use this semester's submission
- **8. Project Implementation Process (NEW)(****)**
  - Describe what you have done
  - Figures and Pictures
  - Flowcharts & Screen Shots
- 9. Conclusions (New)
  - Concise and condensed conclusions
- 10. References

Date	Activities
T 3/27/2018	Progress Presentation #4 AutoMoe, DOPES, eTrike, EV, HACK
T 4/3/2018	Progress Presentation #4 Deliveroid, SensorNet, Slate8, Terminator
T 4/10/2018	Lecture on Final Presentation Format **Introduction of VIP Survey Participation (Extra Credit 2)**
T4/17/2018	Final Rehearsal Presentation by all teams (Dress Code: Business) : 10 minutes each : **Bring Your Product**
F 4/20/2018	***EECS Day – Formal Presentation and Demonstration***
T 4/24/2018	*** Regular Class (Last) – Course Survey etc** *** 11:59pm Submission of Final Report Submission: (pdf Email)**
W 4 /25/2018	**5:00pm Submission of (1) Peer Evaluation (via email – the same form) (2) Team Project Binder**
R 4/26/2018	**5:00pm Submission of 1-minute elevator pitch video or audio file** **5:00pm VIP Survey Participation (Extra Credit 2) - Online**
F 4/27/2018	**Grade Report for PG**