CENG 5434: Microcomputer Systems Design 11/16/2022

WELCOME REMIND ME TO RECORD

- **REDO Quiz problems you missed if less than 75 score – with good details. References from my lectures or our website. Mail it to me.**

- **I2. In class Quiz November 30, 2022   Closed Book**

- **I3. Let's Go over the rules for the Project**
No 8051 chips. Expect wireless connections for your project.

HW8 – Your first project report next week– Follow the instructions
Present a very short description of your project to the class. Turn in HW8.

- **Your final project presentation Talk about 5 minutes. December 7, 2022**

Dec. 5-10	Regular Session Finals week

Final Report should be 5 or 6 Pages not including the Introductory material and the Glossary, References, and Appendix (Use the Appendix for Data). Turn in the report and the slide presentation – Limit the number of slides please.

Don't tell me about OLD microcontrollers. Include a wireless module.

Consider examples from our lecture in descriptions – Need RTOS, Security, Safety considerations, Power Calculations, Certifications, etc?

I.   BRIEF COMMENTS ON YOUR PROJECT.

II.   REVIEW LECTURE1 11/9/2022

LAST TIME WE TALKED ABOUT --- Requirements and Specifications, 5_Bates

Design, 5_1 Kelvin's Good Report, Smart Appliances, and RTOS and the TI 2000 chip.

III.   LECTURE SECURITY IN EMBEDDED SYSTEMS

7_1 Essential Smart Home Security Tips For Securing Your Smart Home.pdf

https://wltd.org/posts/7-essential-smart-home-security-tips-for-securing-your-smart-home

7_2_When Refrigerators Attack_Cyber Criminals Infect Appliances.pdf

https://sectigo.com/resource-library/when-refrigerators-attack-how-cyber-criminals-infect-appliances-and-how-manufacturers-can-stop-them

Understanding security threats to embedded systems and IoT devices 21:28
102K subscribers

https://www.youtube.com/watch?v=SOx-8Ltmm7g