Engineering Ethics Homework

I. a. Read the information contained in the Engineering Ethics class notes posted on the course web site.
   
   b. View the following web sites:
      ASCE Code of Ethics ---- www.asce.org/code-of-ethics/

      [You can also view the other web sites under the Engineering Ethics and Engineering Failures headings on the Engineering Web Resources posted on the course web site.]

II. 1. Why do engineers follow a code of ethics? What do the above four code of ethics have in common? (Prepare a two-paragraph answer.)

      2. Research an engineering ethics case study. Search the Internet, books, and/or magazines to find an engineering project which resulted in an ethical dilemma. The following web site lists many ethical case studies:

         www.onlineethics.org/Resources.aspx?resource-type=29_772

         Write a one-page discussion of the case study including the following:
         • Describe the project in detail including the ethical dilemma.
         • How does the problem associated with this project qualify as engineering ethics?
         • Did the characters follow the ethical canons? (Which code of ethics are you referencing?) Why or why not?
         • What are some ways in which the ethical problem could have been dealt with?

      3. Choose a technology that is important or interesting to you. Write a one-page discussion including the following:

         • List ten intended and unintended effects of this technology.
         • How do the unintended effects affect users of this technology?
         • How do the unintended effects affect non-users of this technology?
         • In your opinion, do the benefits of the intended effects outweigh the unintended effects?
         • Discuss the role that engineers played in the development of this technology.
         • Discuss the role that engineers can play to eliminate (or decrease) the unintended effects or solve problems related to these effects, and promote the more desirable effects.

         Note: This is not intended to be a research paper although some research may inform your work. This is about your view of technology and your idea for change.

What to turn in?
Typed paper of your answers to the five questions above.
(You do not have to write the question, but do answer the questions in complete sentences).

Present in a professional manner: neat, complete, well thought out and organized with no grammatical errors!