

Week # 02 (Case Study)

Q no.1:

Were the engineers working on the Pinto presented with a very clear dilemma as per the engineering ethics?

Ans: Yes, the engineers working on the pinto have the clear image of the dangers of gas tank design that they made but management was concerned to get the product in market as soon as possible.

Q no.2:

Were there any trade-offs made so that the Pinto could be successfully marketed at a reasonable price?

Ans: Yes, they should think about the safety of the people riding their pinto rather than launching the product early in market at reasonable price. In this way they get profit but not follow the engineering standards have cost them double than their profit.

Q no.3:

Where does an engineering team strike the balance between safety and affordability and, simultaneously, between the ability of the company to sell the car and make a profit?

Ans: Engineers working on the pinto Know about their failure in gas tank design and their deadly results but management want to launch the product as soon as possible at reasonable price to compete the market and get huge profit. In this way they want to balance the safety of people riding their car and their profitability.

Week #03

As a Engineer, I will develop an internal communication system which also includes suitable safety features so that if some confidential information may communicate with this system then it will also safe rather then it will risk the main business of company.

Week #05

The dilemma is that the Three engineers/managers were responsible for the storage of the hazardous chemicals. They have to take proper safety protocols so that the harmful chemicals did not mix and then not leak due to which 200 gallons of sulfuric acid was leaked into local river. In this way, under the supervision of three engineers/managers the illegal activities were going on that give huge impact on public safety issues.

This case contradicts the ethical theory of utilitarianism as in this engineer compromised the improper supervision of public health and Safety.

Week #06

In this case study the duty ethics theory is applicable because the staff members were not doing their duties honestly due to which it results into the huge disaster such as the absence full safety protocols and the toxic chemicals were not stored into the safe containers which will not leak the hazardous chemicals in the surrounding area. And the government should not built the toxic chemical manufacturing factors or plants near the populated areas. Moreover, the alarms were not fixed and also refrigerator units were absent. In this way the disaster take place because the duties were not performed properly.

Week #09

The plant should be built or not , is the conflicting problem arise so the following points will help resolve the issues.

1) In this case , the public health and safety and economic benefits are two choices for the moral issues. the public health and safety will be prior over the economic benefits.

2)For the public safety and economic benefits the plant should be built with standard safety protocol or the plant should be built in unpopulated areas where no human live will in danger.

3)According to my gut feeling , If the laws are not implemented correctly then the government should shut the plant in oder to restricted them to make standard safety protocol.