

**Final-term Assignment 1: Due Date: 11<sup>th</sup> April 2017**

A team of engineers and biomedical computer scientists develop a system for identifying people from a distance of up to 200 meters. A short tube attached to a sophisticated receiver and computer, and aimed at a person's head, reads the individual's unique pattern of brain waves when standard words are spoken. The team patents the invention and forms a company to manufacture and sell it. The device is an immediate success within the banking industry. It is used to secretly verify the identification of customers at tellers' windows. The scientists and engineers, however, disavow any responsibility for such uses of the device without customer notification or consent. They contend that the companies that buy the product are responsible for its use. They also refuse to be involved in notifying public representatives about the product's availability and the way it is being used. Does employing the device without customer awareness violate the right to privacy or to informed consent? Do the engineers and scientists perhaps have a moral obligation to market the product with suggested guidelines for its ethical use? Should they be involved in public discussions about permissible ways of using it? (Retina scan identification systems using laser beams are already in use. An example would be to determine if a person using a particular computer is authorized to use it.)

**Instructions:**

- Send the **SOFT** copy to- [engg.ethics.aiub@gmail.com](mailto:engg.ethics.aiub@gmail.com)
- Write your **STUDENT ID** in the Subject of the email
- Be very careful about **PLAGIARISM**. Your assignment will be checked using TurnItIn and/or Viper.
- **Deadline:** 11th April 2017, Tuesday, 11:59 PM