

# **ECE 441 TECHNOLOGY IMPACT PROJECT SPRING 2015**

**Due Date : Monday, April 20th 2015**

Two alumni graduated from ECE department of IIT, Marvin Camras (B.S.E.E. '40, M.S.E.E. '42) and Martin Cooper (B.S.E.E. '50, M.S.E.E. '57) through their technological inventions have contributed significantly to the social and economic development of United States and the world as a whole. As the students of ECE, IIT, it is highly beneficial to you to understand how these two personalities were able to impact the global economy by their technological contributions. As part of this process, you have been given an opportunity to conduct a research on these two personalities and answer the following questions in your own sentences. *(You are required to answer each question in about 300-500 words)*

- Q1. Summarize the major achievements of Marvin Camras
- Q2. Summarize the major achievements of Martin Cooper
- Q3. Describe the overall similarities and global technological impacts in the achievements of Marvin Camras and Martin Cooper
- Q4. Discuss social, economic, ethical and environmental impacts of their innovations
- Q5. Describe how their innovations affect current and future technological trends
- Q6. Express your concerns on rapid technology changes

## **Project Requirements**

- Provide your answers to each question in 300-500 words
- Your report must contain the following sections
  - Abstract, Introduction, Discussion & Answer to the Questions, Conclusion, References
- Minimum of 4 references should be cited in your report
- You **MUST NOT** copy and paste from reference sources
- Submit your report on **Monday, April 20th 2015 5PM in class**
- In the cover page of your project reports, it is required that you acknowledge that you did not copy and paste from references, and also you did not get any assistance from anyone or any other source for doing your project. **You must sign and date this acknowledgment**