Pourna Sengupta

CYBR 4400

Project Topic Ranking

1. Security #4
   * Digital video processing technology is allowing for identities to be taken using “deepfake” technology. Concerns that this technology is difficult to identify when used, and is increasingly being used for popular politicians and celebrities, have given rise to calls for regulation of its use on the Internet. Conduct a policy analysis using the interdisciplinary policy framework to develop a position on whether this technology should be regulated in some fashion.
2. Security #2
   * A bill was introduced in Congress last year to increase the cybersecurity of Internet of Things Devices. This bill has not been acted upon at this time. For this project, review the proposal and develop a policy brief either supporting the passage of the bill, or arguing for changes that would make the bill better achieve its policy objectives (or need for new policy objectives).
3. Security #3
   * How secure are IoT devices, particularly electronic toy devices targeting young children? Is the FTC doing enough in enforcement to manage privacy concerns? What additional steps in technology and policy might be necessary?
4. Privacy #5 (For some variation from Security topics)
   * What are the policy concerns and issues that arise from the use of Location-Based Advertising over Wi-Fi Technology by service providers, retailers, or other entities? Are new regulations needed to alert users to the use of their location info that is collected and use for data analytics purposes?