

Ashoka University
Department of Computer Science
CS-3610: Information Security
Assignment 5, Date: April 15, 2025

Due: 11:59 PM, April 28, 2025

Max Marks: 100

Assignment 5

You need to create a short video (maximum 5 minutes) explaining one of the topics listed below. The focus is on the content and clarity of your explanation. You are not being judged on editing or creativity, though you are welcome to be creative.

We are especially looking for insights on **why your chosen topic is important in the context of security**.

Topics and Marks Cap

Each topic has a maximum mark based on its difficulty:

- **Threat Model** (Max 90 marks)
- **Zero Knowledge Proofs** (Max 100 marks)
- **Digital Signatures + Certification + Encryption** (Max 60 marks)
- **Secret Sharing** (Max 70 marks)
- **Formal Correctness + Limitations** (Max 80 marks)
- **Network Security**
 - If you **have taken** the Networks course: (Max 70 marks)
 - If you **have not taken** the Networks course: (Max 100 marks)
- **Software Independence of Protocols** (Max 100 marks)

Submission Guidelines

- Upload the video (or share a link) on Google Classroom.
- Use the filename format: **YourName_TopicTitle.mp4**

Note: You cannot score more than the maximum marks assigned to your chosen topic. However, you are welcome to complete additional topics for extra credit, which can contribute to the maximum 100 marks assigned to the assignment component overall.