

Class 1 : System & Network Security

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CR Shafiaz bhai and Sumon bhai.

Course instructor

1. Roles in job life.
 - a. Security Strategy.
 - b. Third-Party Risk Management.
 - c. Awareness. (Training, Cyber Security)
 - d. Stakeholder Management. (BD police, DGFI, BTRC etc)
 - e. Incident Response.
 - f. Security Architechture.
2. Probably the first Bangladeshi to earn SUN certified solaris administrator.
3. First Bangladeshi who earned CISSP.

Motivations

1. You have to find more than one source of income, otherwise there is no point.
2. You have to know how to sell yourself with your skills.
3. You have to put effort if you're looking for something exceptional.
4. You need to be certified and specialized in your skill.
5. Make yourself updated, invest in your skills dedicatedly.

Questions

1. What kind of jobs we can pursue after completing MISS?

Ans: Cyber Security might be a career. You need to have perfectness in your learning. So that you can confidently apply it in real world job interviews.

2. Any book suggestions for the course?

Ans: A master student shouldn't depend on a single book. Sir will not provide generic questions but mostly analytical questions.

3. Any operating systems to learn beforehand?

Ans: Learn what you lack but nothing extraordinary. If you lack linux skills, then learn basic linux.

4. Do I need to study any coding language beforehand?

Ans: No need to be expert on any coding language. Learning basic linux can be helpful.

5. Which habit we need to adapt in real life so that we won't miss out on any career opportunities?

Ans: Two things to remember in real life.

- a. Know your comfort zone.

- i. Get out of your comfort zone.

- ii. Learn to say sorry while making mistakes.

- iii. You have to stumble willingly and learn from it.

- b. You have to be a good story teller.

- i. Same story can be told to different people differently.

- ii. Talk in front of a mirror and practice.

- iii. Google and learn how to talk to an audience.

- iv. Start your story with an apology if you are a beginner.

What to expect?

1. Less theory, more practical course.
2. We will be focusing on server operating system.
3. Main focus is generic linux. Study the basic if possible.

What to do when securing a network?

1. From OSI model - have to secure every layer. (Main focus - Network layer)
2. After OSI layer security then database security will be focused on.
 - a. Need to learn and implement cryptographic algorithms.
 - b. Data in rest and Data in motion both way require those algorithm.

Exam & Marks distribution

1. Class test. (10 marks)
 - a. Total 4 class test will be taken.
 - b. It will be of different marks consisting 10/20/30 marks.
 - c. Average marks out of four tests will be counted.
 - d. It will converted into 10.
2. Midterm (20 marks)
 - a. Exam will be of 40 marks
 - b. It will be converted into 20.
3. Attendance according to the rules. (10 marks)
4. Lab assessment. (10 marks)
5. Final (50 marks)
 - a. Exam will be of 100 marks.
 - b. It will be converted into 50 marks.
6. Class Test + Midterm + Attendance + Lab + Final = 100.