

Cyber Warriors: A Comprehensive Introduction to Cybersecurity Tools and Techniques

June 24-28, 2024

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UTSA



Introductions & Camp Outline

Introductions



Important Camp Information

- Virtual Meeting Room:

<https://utsa.zoom.us/j/93433931184?pwd=BgPk0Pa5o0lqHCk3V3ir9hFbDlN8vc.1>

- Camp days: Monday, June 24 – Friday, June 28, 2024
- Camp hours: 9:00 am – 12:30 pm, with several breaks in between
- Lead Instructor: Dr. Murtuza Jadliwala (UTSA)
- Co-Instructor: Dr. Anindya Maiti (University of Oklahoma)
- Guest Lecturers: Dr. Anindya Maiti (University of Oklahoma), Dr. Amanda Fernandez (UTSA), Dr. Raj Boppana (UTSA), Mr. Raveen Wijewickrama (UTSA), Dr. Nishant Vishwamitra (UTSA).

Schedule of Camp Activities

Day	Monday (June 24)	Tuesday (June 25)	Wednesday (June 26)	Thursday (June 27)	Friday (June 28)
Time					
9:00-9:25 am	Introductions and Camp Outline Dr. Jadliwala	Review of Material and Homework	Review of Material and Homework	Review of Material and Homework	Review of Material and Homework
9:25-9:30 am	Break	Break	Break	Break	Break
9:30-9:55 am	What is Cybersecurity? Dr. Jadliwala	Introduction to Kali Linux and Security Toolkit Dr. Jadliwala	Introduction to Access Control Dr. Jadliwala	Introduction to Social Engineering Dr. Jadliwala	Introduction to Firewalls and IDSs Dr. Jadliwala
9:55 – 10:00 am	Break	Break	Break	Break	Break
10:00 – 10:25 am	Information Security & Cryptography Dr. Jadliwala	Lab: Kali Linux and Security Toolkit Dr. Maiti	Lab: Access Control in Linux Dr. Maiti	Lab: Social Engineering Dr. Maiti	Lab: Firewalls and IDSs Dr. Maiti
10:25 – 10:30 am	Break	Break	Break	Break	Break
10:30 – 10:55 am	Information Security & Cryptography Dr. Jadliwala	Introduction to Authentication & Password Cracking Dr. Jadliwala	Introduction to Network Surveillance Dr. Jadliwala	Introduction to Web and Internet Security Dr. Jadliwala	Cybersecurity Careers and Education Dr. Jadliwala & Dr. Maiti
10:55 am – 11:00 am	Break	Break	Break	Break	Break
11:00 am – 11:45 am	Lab: Information Security & Cryptography Dr. Maiti	Lab: Authentication & Password Cracking Dr. Maiti	Lab: Network Surveillance Dr. Maiti	Lab: Web and Internet Security Dr. Maiti	Topic Seminar: Network Security & SFS program at UTSA Dr. Raj Boppana
11:45 am – 12:00 pm	Break	Break	Break	Break	Break
12:00pm – 12:30 pm	Topic Seminar: OSN Security Dr. Nishant Vishwamitra	Topic Seminar: AI/ML Security Dr. Amanda Fernandez	Topic Seminar: Web Security Dr. Anindya Maiti	Topic Seminar: Wearable/IoT Security Mr. Raveen Wijecwickrama	Feedback and Closing Remarks

Where to Find Camp Info?

<https://sprite.utsa.edu/cyberwarrior24/>

Some Camp Rules

- All camp sessions should be joined using only a desktop/laptop computer.
 - Joining sessions using a smartphone/tablet is NOT permitted.
- Participant video camera (feed) should be ON during all lecture and lab sessions.
 - Can be turned OFF during breaks!
 - Please use a background blur or image to hide your background.
- Microphones should be muted, unless asking questions or prompted by the instructor.
- To ask a question, raise your hand (through Zoom) first and continue with your question when prompted by the instructor.
- Attendance to ALL lecture and lab session is **MANDATORY**.
 - If missing a lecture/lab session, ask prior permission from Dr. Murtuza Jadliwala.

Homework

- Your camp participant certificates, and a gift will be sent to you on your mailing address after the camp!
- Please **confirm your mailing address** with Ms. Debra Leal!

Questions