Cyber Warriors: A Comprehensive Introduction to Cybersecurity Tools and Techniques

June 24-28, 2024

Murtuza Jadliwala
murtuza.jadliwala@utsa.edu
Introductions & Camp
Outline
Introductions
Important Camp Information

• **Virtual Meeting Room:**
  [https://utsa.zoom.us/j/93433931184?pwd=BgPk0Pa5o0lqHCK3V3ir9hFbDlN8vc.1](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

<table>
<thead>
<tr>
<th>Time</th>
<th>Monday (June 24)</th>
<th>Tuesday (June 25)</th>
<th>Wednesday (June 26)</th>
<th>Thursday (June 27)</th>
<th>Friday (June 28)</th>
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</thead>
<tbody>
<tr>
<td>9:00-9:25 am</td>
<td>Introductions and Camp Outline Dr. Jadliwala</td>
<td>Review of Material and Homework</td>
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<td>Review of Material and Homework</td>
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<tr>
<td>9:25-9:30 am</td>
<td>Break</td>
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<tr>
<td>9:30-9:55 am</td>
<td>What is Cybersecurity? Dr. Jadliwala</td>
<td>Introduction to Kali Linux and Security Toolkit Dr. Jadliwala</td>
<td>Introduction to Access Control Dr. Jadliwala</td>
<td>Introduction to Social Engineering Dr. Jadliwala</td>
<td>Introduction to Firewalls and IDSs Dr. Jadliwala</td>
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<tr>
<td>9:55 – 10:00 am</td>
<td>Break</td>
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<tr>
<td>10:00 – 10:25 am</td>
<td>Information Security &amp; Cryptography Dr. Jadliwala</td>
<td>Lab: Kali Linux and Security Toolkit Dr. Maiti</td>
<td>Lab: Access Control in Linux Dr. Maiti</td>
<td>Lab: Social Engineering Dr. Maiti</td>
<td>Lab: Firewalls and IDSs Dr. Maiti</td>
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<td>10:25 – 10:30 am</td>
<td>Break</td>
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<tr>
<td>10:30 – 10:55 am</td>
<td>Information Security &amp; Cryptography Dr. Jadliwala</td>
<td>Introduction to Authentication &amp; Password Cracking Dr. Jadliwala</td>
<td>Introduction to Network Surveillance Dr. Jadliwala</td>
<td>Introduction to Web and Internet Security Dr. Jadliwala</td>
<td>Cybersecurity Careers and Education Dr. Jadliwala &amp; Dr. Maiti</td>
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<tr>
<td>10:55 am – 11:00 am</td>
<td>Break</td>
<td>Break</td>
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<tr>
<td>11:00 am – 11:45 am</td>
<td>Lab: Information Security &amp; Cryptography Dr. Maiti</td>
<td>Lab: Authentication &amp; Password Cracking Dr. Maiti</td>
<td>Lab: Network Surveillance Dr. Maiti</td>
<td>Lab: Web and Internet Security Dr. Maiti</td>
<td>Topic Seminar: Network Security &amp; SFS program at UTSA Dr. Raj Boppana</td>
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<tr>
<td>11:45 am – 12:00 pm</td>
<td>Break</td>
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Monday, June 24, 2024  UTSA CyberWarriors 2024
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