Faculty Advisor Information Packet

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# Team Assembly

* Teams may consist of up to 5 women. The number of teams per school is unlimited.
* Teams may also consist of women from different schools if they meet the Participation Requirements. This will allow for fair competition for smaller student bodies.

# Participation Requirements

* A woman currently enrolled in a WIT Campus participating college or university. [Click here for participating campuses](https://mywit.org/programs/wit-campus/)
* If the student is not yet a member of the WIT Campus program, this will be an opportunity to do so. WIT Campus will be hosting all information relevant to the competition and prizes. [Click here for WIT Campus member registration](https://mywit.org/get-involved/become-a-member/)
* Student who is interested in cybersecurity and familiar with the following topics:
  + Web (i.e., WebApplications)
  + Crypto (i.e., Cryptography)
  + Pwn (i.e., Binary Exploitation)
  + Reversing (i.e., Reverse Engineering)
  + Forensics
* Since this is a team event, we encourage all knowledge levels to participate. The more diversity the better! Check out the Challenge Section for more information on the challenges.
* Team members will also need to have access to a computer with the ability to install a Virtual Private Network (VPN) client, as well as access the platform’s Discord server. See the Preparing for the Hack-a-Thon section for instructions.

# How it Works and Prizes

* The hack-a-thon will be held virtually on the HackTheBox (HTB) organization platform and using HTB's discord server for communication and monitoring of the game.
* This friendly, team-based competition will involve a series of Capture the Flag (CTF) challenges that lead to cash prizes for the top 3 scoring teams, as well as individual cash prizes for Creativity and Teamwork.
* Each team will be assigned the same CTF challenges, to be completed within a 12-hour period. The number of flags each team collects will input into their overall score. See the Challenge Information section for details.
* **PRIZES**: At the completion of the time period, the following team winners will be tabulated by the HackTheBox (HTB) moderators:
  + Grand Prize - $2,000 e-giftcards to each member of the 1st place team
  + Second Prize - $1,000 e-giftcards to each member of 2nd place team
  + Third Prize - $400 e-giftcards to each member of the 3rd place team
  + Two individual prizes will be awarded based on pre-defined criteria and Optiv judges:
    - Creativity - $1,000 e-giftcard
    - Teamwork-$1,000 e-giftcard
    - \*\*Reminder that teams may consist of 3-5 members

• All participants will receive an Optiv gift, as well as mentorship opportunities. [Click here for more information about Optiv.](https://www.optiv.com/company/about-us)

# Challenge Information

* Challenges range from easy (beginner friendly) to medium in terms of difficulty
* Explanation of each challenge
  + Reversing
    - Revolving around the art of reverse-engineering, this category will have you using reversing tools to find out what a certain script or program does to find the flag.
  + Crypto
    - Revolving around cryptographic functions, this category will have you decrypting objects which were locked away from the prying eye with up to date cryptological processes.
  + Web
    - Revolving around web-based applications, this category will require you to detect, exploit and search through different vulnerable web applications. The themes of these Challenges are very intriguing.
  + Forensics
    - Revolving around data recovery and forensics, this category will require you to nitpick at small details in recovery data batches to try to get to the bottom of what happened. A keen eye and a lot of patience will help you go a long way as a forensic analyst. No CSI quotes included.
  + Pwn
    - Revolving around binary exploitation and memory corruption, this category will have you creating exploits that’ll make anyone lose their bits.
  + PPC
    - Relates to math problems
  + Additional information on these and other challenges can be found here: <https://help.hackthebox.eu/en/articles/5185436-gs-how-to-play-challenges>

# Preparing for the Hack-a-Thon

* Register your team through your WIT Campus faculty advisor and club president
* Prepare the following items *well* in advance of game day
  + Familiarize yourself with the HTB platform and CTF challenges:
    - Introduction to HTB CTF’s: [https://help.hackthebox.eu/en/articles/5200851-gs- introduction-to-ctf](https://help.hackthebox.eu/en/articles/5200851-gs-introduction-to-ctf)
    - How to play: [https://help.hackthebox.eu/en/articles/5185436-gs-how-to-play- challenges](https://help.hackthebox.eu/en/articles/5185436-gs-how-to-play-challenges)
* Install and connect to HTB’s VPN.
  + HackTheBox made a blog post to help students understand how to use HTB’s VPN located here: [https://help.hackthebox.eu/en/articles/5185687-gs-introduction-to- lab-access](https://help.hackthebox.eu/en/articles/5185687-gs-introduction-to-lab-access)
* Register for an HTB account and select your team. If you do not know your team’s name, please contact your faculty advisor/team leader.
  + Register for an account here: [https://help.hackthebox.eu/en/articles/5204426-gs- registering-to-play-ctfs](https://help.hackthebox.eu/en/articles/5204426-gs-registering-to-play-ctfs)
* Register and/or connect to HTB’s Discord Server: <https://discord.gg/hackthebox>
  + This will be the primary mode of communication during the challenges
* Attend the pre-game kickoff the day before and walk through the role of the captain for the game.

# About the Sponsors

* [WIT Campus](https://mywit.org/programs/wit-campus/)
* [Optiv Inc.](https://www.optiv.com/company/about-us)
* [Arrow](https://www.arrow.com/company) [Electronics](https://www.arrow.com/company)
* [Hack-the-Box](https://www.hackthebox.com/)

# More Information

* [Security Consulting Jobs at Optiv](https://www.optiv.com/company/careers)
* [Requesting an Optiv Women’s Network Mentor or learning more about career opportunities](mailto:optiv-talent-acquisition@optiv.com)