# Winter 2020-21 GENCYBER Student Camp

## PARTICIPATION ADVANTAGES

**Offered online and at no cost!**

**Raspberry Pi Kit for each participant!**

**Instruction and mentorship from IUP faculty and other experts!**

**Skills and knowledge for a growing career field!**

## HOW TO APPLY

Applications are accepted online only. To apply or view other important program information, please visit:

**www.iup.edu/iupgencyber**

## VIRTUAL CAMP DATES

**Feb. 6-7, 13-14, & 20, 2021**

## PROGRAM DIRECTORS

**Dr. Waleed Farag**
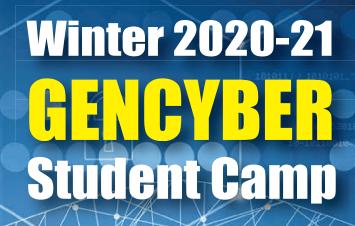Director, Institute for Cybersecurity
Professor, Computer Science

**Dr. Soundararajan Ezekiel**
Professor, Computer Science

**Dr. Xinwen Wu**
Associate Professor, Computer Science

## PROUDLY SPONSORED BY:

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## Presented by: IUP, NSF & NSA

## IUP GENCYBER

### WINTER 2020-21 PROGRAM

**GenCyber is a national initiative that is supported by the National Science Foundation and the National Security Agency. This program has the following objectives:**

- Increase interest in cybersecurity careers and diversity in the cybersecurity workforce of the nation.

- Help all students understand correct and safe online behavior.

- Improve teaching methods for delivering cybersecurity content for K-12 curricula.

## THE FUNDED GRANT

Under the leadership of Dr. Waleed Farag, grant PI, IUP, along with a selected group of national universities, has again been awarded funding for five years in a row to run the GenCyber program in Winter 2020-21.

Due to COVID-19 restrictions, this year the camp will be offered remotely and is open to middle and high school students. The prospective camp will address essential security concepts in an interesting, novel approach to foster interest in cybersecurity among middle and high school students in western Pennsylvania.

## PROGRAM SUMMARY

This project will remotely offer one free (no cost to participants), five weekend day camp in Winter 2020-21. Instruction will be delivered by a team of professors with numerous backgrounds but established expertise in cybersecurity teaching and research.

The student camp will provide a uniformly distributed, engaging blend of delivery that includes direct instruction, group activities, structured discovery, and hands-on, laboratory, and informal instructional techniques to both individual and combined cohorts. Upon completion of the camp, participants will have a strong understanding of cybersecurity in addition to mastering basic skills that help them be safer online.