

AMITY INSTITUTE OF INFORMATION TECHNOLOGY**TREASURE HUNT**
COMPUTER SECURITY CHALLENGE

TREASURE HUNT is a technical competition organized by the Amity Institute of Information Technology (AIIT), Noida, a center of excellence for quality education (UG/PG/PhD) in Information Technology with special focus on emerging trends.

TREASURE HUNT

Participants are required to solve a programming problem in order to obtain a secret piece of text known as the “flag” and turn it in for points.

They will navigate through a series of challenges centered on a unique storyline where they may use reverse engineering, break or decrypt a file to solve the challenge. The challenges, based on Forensics, Cryptography and Web, are all set up with the intent of being hacked, making it an excellent, legal way to get hands-on security experience.

First team to gather all the items will be the winner and other teams will be ranked based on the time taken to solve the challenges.

Participants are required to join the Discord Server during the competition.

- 1. Eligibility:** UG and PG students. There is no entry fee.
- 2. Registration Fee: NIL**
- 3. Date and Time of Event:**
 - Round : 24/03/2022 , 10:00 am – 5:00pm
- 4. Logistics Required:** A PC/laptop is required. There will be Video Conferencing through Discord (for participants) application. Event will be streamed on MS Teams for non-participants. Access to a UNIX type system Linux, MacOS or WSL is required to solve some challenges.
- 5. Event Joining details (link):** MS Teams (For non-participants), Discord (For Participants)

6. Rule and regulations for Event:

- This competition will require Security knowledge related to Cryptography and will cover a variety of challenges. Programming experience would be helpful.
- Sharing flags with others is prohibited and will lead to disqualification from the event.

Round :

- There will be 7 challenges, each containing a secret piece of text in the form of 'treasure hunt {th1s_!s_@_fLag}'. Participants need to use their problem solving skills to find the hidden text. Participants are allowed to refer to open source information available on wikipedia, etc about the algorithms or type of data used in the challenge and how they can be exploited.
- Challenges will be either in the form of encrypted files that would have to be decrypted using python scripts or a random corrupted image that needs to be edited and corrected at the low level(bits) in order to display the content. Other challenges include finding vulnerability in a given website and logging into it without having login credentials.
- Once the participants found the flag, they had to submit it in order to get points. Each challenge will have different points based on its difficulty.
- Solving each challenge will get certain points. Participants will be ranked by total points at the end of the event. If the scores are the same, the ranking will be determined by the time of the last correct submission.
- The challenges included in this event will require participants to learn and implement at the same time.
- The first three participants who complete all the challenges or the most number of challenges in a certain time limit will be declared as the top three winners of the Treasure Hunt! Tournament.

7. Prizes:

- Prize will be awarded to 1st, 2nd & 3rd rank holders(worth Rs 10,000 for Rank 1, worth Rs 5,000 for Rank 2, worth Rs 2,500 for Rank 3)
- Participation certificates will be distributed.
- Prizes by event sponsors.

8. Event Coordinator:

Faculty Coordinators

- Dr. Laxmi Ahuja, 9971605991, lahuja@amity.edu
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Student Coordinators

- **Mr. Nimish Chauhan**, 8799786329, nimish.chauhan@s.amity.edu
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