

How to participation in the Hackathon

Here's a step-by-step guide to help you participate in the hackathon:

1. Registration:

- Visit the registration website: <https://hackathon.ncst.edu.bh/registration-form-er/>
- Fill out the required information, including your personal details and team information.
- **Important:** You can modify your team composition on the first day of the event. You can either join an existing team or form a new one.

2. Problem Selection:

- **Choose a Problem:** Search online for a problem that interests you and aligns with your skills. The problem must be within the domain of the defined challenges outlined in <https://hackathon.ncst.edu.bh/>. For example, a proposed idea for secure payment using only fingerprint authentication fits within the "Applications, Data Security, and Privacy challenge" challenge.
- **Note:** If non of challenges suit your idea, you can or you can define your own and work on it but it must be related to security.

3. Proposal Development:

- **Focus on Innovation:** Propose an innovative solution/idea to the chosen challenge. This solution will be your submission and the basis of your presentation.
- **Security Properties (STRIDE Model):** Your solution should focus on one or more security properties from the STRIDE model (Check the mode from here: <https://hackathon.ncst.edu.bh/>).
 - **Example 1 (Two Properties):** The secure payment idea using fingerprint authentication addresses the confidentiality of the PIN and the integrity of the payment amount. You might allocate a 50% focus to each property (50% + 50% = 100% total focus).
 - **Example 2 (One Property):** A firewall designed to prevent denial-of-service attacks focuses solely on availability. In this case, the focus would be 100% on availability.
 - **Equal Weight:** Both examples above (two properties at 50% each, and one property at 100%) represent equally strong security properties. The key is to clearly identify and justify which properties your solution addresses.

4. Presentation:

- **Choose Your Format:** Prepare a presentation to showcase your solution. You can use slides, create a video, or demonstrate a working prototype. Note, prototype is advantageous but is not mandatory.
- **Be Creative:** The only limit is your imagination! Present your solution in a clear, compelling, and innovative way. Think outside the box to make your presentation stand out.

5. Evaluation : The evaluation will focus on 6 criteria : Creativity, Impact, Speciality, Prototype, Validity and Presentation