



NATIONAL PUBLIC SCHOOL, HSR PRESENTS

CYBERNAUTICA 2025



GENERAL GUIDELINES

- **Event date:** 18th July 2025
- **Reporting Time:** 8:00 AM
- **Last date for Registration :** 11th July 2025 by 11:59 PM
- **Registration link:** [Click here to register for Cybernautica 2025!](#)
- The fest will conclude by 4:00 PM.
- Kindly ensure participants belong to eligible grades for their respective events.
- Each student is only permitted to participate in only one event.
- No transport arrangements will be provided by NPS HSR.
- The decision of the event head and/or appointed judges will be final and binding for each event.
- Any form of malpractice will lead to immediate disqualification.
- All participants must carry valid school identification along with any event-specific materials as required.
- Use of technology is permitted strictly for event-related purposes.
- All phones must be deposited at the registration desk upon arrival.
- Participants are responsible for the safety of their personal belongings. NPS HSR is not liable for any lost or misplaced items.
- All results will be declared during the closing ceremony at the end of the event.
- Food stalls will be available at the venue. Participants are advised to carry adequate funds for any personal purchases.



GENERAL GUIDELINES

- Each event has a limited number of participant slots and each school must register **ONLY one team per event.**
- Confirmation of participation will be communicated to registered schools by **13th July 2025.**
- For any queries or further information contact us at:
events@npshsr.com
- For any specific event queries, please email the aforementioned emails with the event heads in CC.
- All participants must wear their respective school uniforms for the event.



CODE UNDRUM

EVENT HEADS:

1. Netra Karthigeyan
Email: netrakarthigeyan@gmail.com

WHAT IS CODEUNDRUM?

Codeundrum is an exciting, individual, competitive coding competition designed to challenge students' programming skills. This event is crafted to explore several facets of a coder's abilities. A true "code conundrum".

ELIGIBILITY:

Eligible Grades:

- Grades 9 to 12

Solo event + Instructions for participants:

- Two participants per school

Prerequisite knowledge:

- Fundamental to intermediate level programming concepts
- At least one programming language (Python, Java, C or C++)
- Error handling.

Registration Limit: 1 team per school.

GUIDELINES:

Technical and Equipment Related:

- Participants will be provided with computer systems.

Event-Specific Instructions:

- *Level 1: Cornered!* - Testing exception and error handling.
- *Level 2: Executed!* - Write codes based on problem statements at an advanced level from scratch.



HACKADEMIA

2025 • CYBERNAUTICA
NDS HSR

EVENT HEADS:

1. Pranjal Jain

Email: 4pranjaljain@gmail.com

2. Deeptarka Dey

Email: deeptarkadey29@gmail.com

3. Vishnu Srigiriraju

Email: vishnu.srigiriraju@gmail.com

WHAT IS HACKADEMIA?

In this electrifying race against time, teams will design AI-powered tools that reimagine how students learn, revise, and understand school subjects. Think chatbots that explain calculus, physics or chemistry—if it teaches, it counts!

ELIGIBILITY:

Eligible Grades:

- Grades 9 to 12.

Team event + Instructions for team composition:

- Team event - 2 to 3 members per team

Prerequisite knowledge:

- Comfort with any programming language (Python, Javascript etc)
- Interest in AI, education, and problem-solving.

Registration Limit: 1 team per school.

GUIDELINES:

Technical and Equipment Related:

- Bring your own laptops; Wi-Fi will be provided.

Event-Specific Instructions:

- Subject drop happens 1 day before the hackathon.
- GitHub Guide - [Click here to view the GitHub Guide!](#)



CYPHRANEXUS

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HSR · 2025 · CYBERNAUTICA · NDS

EVENT HEADS:

1. Aditya Kathait
Email : kathaitaditya12@gmail.com

2. Riya Shivram
Email : riya.shivram@gmail.com

WHAT IS CYPHRANEXUS?

Find the Key, Follow the Trail, Decipher!

Be ready to engage in mind-bending puzzles and to perceive meaningful connections between seemingly unrelated things.

Participants will use their expertise in technology and their problem-solving abilities to decrypt a powerful message, all while racing against the clock.

Are you up for the challenge?

ELIGIBILITY:

Eligible Grades:

- Grades 9 to 12.

Team event + Instructions for team composition:

- Team Event - 2 members per team. Must include one student from Grade 12.

Prerequisite knowledge:

- Basic idea of a Book Cipher. Example: Beale Ciphers.

Registration Limit: 8 teams in total; first-come, first-serve basis.



HIGH STAKES

EVENT HEADS:

1. Anshuman Kesavan
Email : anshuman.s.kesavan@gmail.com
2. Tejaas Muthukumar
Email : tejaas08@gmail.com
3. Goutham Ramanathan
Email : gouthamramanathan1234@gmail.com

WHAT IS HIGH STAKES?

Step into the exhilarating world of High Stakes! A thrilling multi-round strategy-based event that blends timeless classics with smart risk-taking. Participants will battle it out through various card related chance games. With credits at stake and eliminations at every turn, only the sharpest minds will survive till the end. The leaderboard is your lifeline—stay on top or get knocked out!

ELIGIBILITY:

Eligible Grades:

- Grades 10 to 12.

Solo event + Instructions for participants:

- Two participants per school (individual participation)

Prerequisite knowledge:

- Basic familiarity with card games
- Ability to predict and strategize under pressure
- Basic familiarity with Java and Python.

Registration Limit: 7 teams in total; first-come, first-serve basis.

GUIDELINES:

Technical and Equipment Related:

- Event will be conducted at the school computer lab.



BREAKING VIRTUAL (CYBER ESCAPE)

2025 CYBERNAUTICA
NDS HSR

EVENT HEADS:

1. Srijon Sarkar
Email: srijons023@gmail.com
2. Gautham Karthik
Email: gautham797@gmail.com
3. Pranav Karthikeyan
Email: pranav24ss64@gmail.com
4. Anush Rao
Email: anushrao07@gmail.com
5. Akshar Damodar
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WHAT IS BREAKING VIRTUAL?

A mystery game with a tech twist!

You'll start by digging through clues hidden on USB drives and inside a computer to figure out a secret code. Then, you'll jump into a virtual world where one teammate (blindfolded!) has to shoot the right targets—while the rest of you guide them with your voice. Finally, your team will battle it out using computers and real-world games to beat the final stage. For this, all you need is brainpower, communication skills, and quick thinking.

ELIGIBILITY:

Eligible Grades:

- Grades 9 to 12

Team event + Instructions for team composition:

- Team event - 4 members per team

Prerequisite knowledge required:

- Basic Computer knowledge Proficiency in Command Prompt.

Registration Limit: 1 team per school.

GUIDELINES:

Usage of any devices except those given by organisers is not permitted.



GEOMETRY DASH

2025 CYBERNAUTICA
NDS HSR

EVENT HEADS:

1. Arjun Sinha

Email: arjun@iqlect.com

2. Nihaar S

Email: nihaars@hotmail.com

WHAT IS GEOMETRY DASH?

Geometry Dash challenges each team to transform pure Python logic into flawless motion. In a ten-minute coding sprint, participants will program an Arduino line-tracing rover to replicate intricate geometric figures with speed and precision. External references are prohibited; only algorithmic insight decides the outcome as judges score path fidelity, execution time, and efficiency. The labyrinth-level patterns, which conclude the event push even seasoned programmers to the edge. Conquer the geometry, and your team wins the arena of bots!

ELIGIBILITY:

Eligible Grades:

- Grades 9 to 12

Team event + Instructions for team composition:

- Team event – 3 members per team
- 1 team per school

Prerequisite knowledge:

- Python fundamentals: variables, control flow (loops, if/else), and simple functions.
- Basic understanding of Arduino motor and sensor commands (reference sheet will be provided).

Registration Limit: 1 team per school.

GUIDELINES:

Technical and Equipment Related:

- Additional hardware for building the bot, or uploading the code is not required



SONARIA

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EVENT HEADS:

1. Nishka Rao
Email: nishkarao01@gmail.com
2. Nimisha Srivastava
Email: nimishasrivastava220@gmail.com
3. Sumaira Shantanu
Email: sumaira.shantanu@gmail.com

WHAT IS SONARIA?

Sonaria is a unique and electrifying event that fuses the worlds of technology, music, and design. Participants must bring both cyber knowledge and musical flair to the stage. Each team is split into two groups: one group crafts a clever parody of a popular song, using cyber topics ranging from cybersecurity to technology. The other group must transform the song into a visually striking poster.

From firewalls to phishing, from coding to hacking, Sonaria is where the digital meets the dramatic, and tech talk turns into an unforgettable performance.

ELIGIBILITY:

Eligible Grades:

- Grades 9 to 12

Team event + Instructions for team composition:

- Team event
- Each team has 6-8 members (2 members for graphic design and the rest in singing).

Prerequisite knowledge:

- Basic knowledge about cyber safety
- Computer components and how software work
- Proficient in vocals (backing track will be provided)

Registration Limit: 8 teams in total; first-come, first-serve basis.

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Sector 4, HSR Layout
Bangalore 560102

For any further details contact us at:

events@npshsr.com

