

CRYPTS 4.0



ENTER THE MATRIX
OF INNOVATION

START



EVENT DEBRIEF

Learn about the events
and how to participate.

Importing Crypts

import initialisation

--- Welcome to Crypts 4.0!

Get ready to unlock the future at Crypts 4.0, our school's premier technology festival! This year, we bring you an electrifying blend of innovation, creativity, and cutting-edge technology. From thrilling coding challenges, to insightful workshops and inspiring talks, Crypts 4.0 is the ultimate platform for tech enthusiasts to showcase their skills and explore the latest trends shaping our digital world.

Join us as we decode mysteries, crack codes, and ignite the spark of innovation. Whether you're a coder, inventor, or simply curious about technology, Crypts 4.0 promises an unforgettable experience filled with learning, competition, and fun!

Regards

Team Crypts 4.0

----#

Crypts
4.0



```
# Display Events
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def Events():

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- IHE Kernel
- IHE CodeQuest
- IHE CinePrism
-
- Mission: Decrypt
- PixelPulse
- Portfolio Design
- Byte the Site
- QWERTY 3.0
- Visual Wit
- Scratch Xplorers
- CyberCanvas

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CRYPTS
4.0



Display List

def Event1():

IHE KERNEL 3.0

Get ready for IHE Kernel—the all-round **inter-house quiz** that challenges your knowledge across the digital frontier! Teams will compete in a high-energy contest covering everything from **Artificial Intelligence** to **Cybersecurity**, with each round designed to surprise and engage.

This year, experience a brand-new twist that will test not just what you know, but how you think on your feet. Whether you're a tech enthusiast or a trivia lover, IHE Kernel is your chance to shine, represent your house, and claim the title of **tech champions!**

Mode

OFFLINE

ROUNDS

1

Grid and Pounce

>> Objective: Teams will select categories from a displayed grid and answer questions, while other teams may "pounce" for bonus points.

>> Rules:

- A grid with various categories will be displayed on the screen.
- The team whose turn it is will select one category from the grid. That category will then be eliminated from future rounds.
- A question based on the selected category will be posed to the team.
- While the question is being read and before the answering team submits their response, the other teams may "pounce" (attempt to answer silently and simultaneously).

Date

4th August, 2025 (Monday)
(Classes 6-8)

&

6th August, 2025 (Wednesday)
(Classes 9-12)

Display List

def Event1(): THE KERNEL 3.0

2

Bot or Not

>> Objective: Identify whether a given statement or conversation was generated by AI or a human.

>> Rules:

- Each team will be shown a text-based response or a short conversation.
- Teams must determine whether the content shown is:
 - AI-generated or
 - Human-written
- Teams will have 15 seconds to deliberate and write their answer.

3

Trojan Horse

>> Objective: Teams will be given two statements, both of which are supposed solutions of a cyber crime. One statement is true, while the other isn't. The other teams need to guess which is the correct one and which is the deceptive statement.

>> Rules:

- One member from each of the teams will come forward and pick up a chit from a bowl, and each chit contains a cyber crime.
- The members of the team now need to write down two solutions for the cyber crime, one of which is the truth while the other statement is false.
- The two solutions will then be told to the next team and the members of that team need to figure out which one of them is the truth and which one of them is the lie.
- Teams will have 15 seconds to answer.



Display List

def Event1(): THE KERNEL 3.0

4

Rapid Fire

>> Objective: Answer as many questions correctly as possible within the time limit.

>> Rules:

- Each team will nominate one representative to answer on their behalf for this round.
- Each team will be given 1 minute to answer rapid-fire questions.
- There is no limit to the number of questions within the time limit — the host will continue asking until time runs out.
- Only the chosen representative may respond; no team discussion is allowed.
- Team representative can skip questions by saying “Pass”

General Instructions:

Teams must maintain decorum and discipline at all times.

In case of any dispute, the decision of the quizmaster/judges will be final and binding.

Event Heads

Jonathan Karan Kamal

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Aaryan Yadav

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Display List

def Event2():

IHE CODEQUEST

Unleash your coding prowess in IHE CodeQuest, the ultimate inter-house Python challenge! Compete against the best minds in your school as you tackle a series of thought-provoking problems designed to test your logic, creativity, and mastery of Python. Whether you're debugging tricky code, solving algorithmic puzzles, or building efficient solutions under time pressure, CodeQuest promises an exciting arena for both beginners and seasoned coders.

Mode

OFFLINE

Date

7th August, 2025 (Thursday)
(Class 11-12)

ROUNDS

1

The Cryptic Code Rush

Timeframe: 15 minutes

- Participants will face a puzzle-based challenge — a mix of:
 - Cryptic code riddles
 - Logic puzzles
 - Pattern decoders
 - Along with one short Python coding task (logic-based program).
- Tasks are designed to test logical reasoning, pattern recognition, and quick thinking.
- Top scorers (based on accuracy and speed) will qualify for Round 2.



def Event2():THE CODEQUEST

2

The Coding Showdown

Timeframe: 40 minutes

Participants will be given a creative and real-world inspired Python program challenge.

The problem will test:

- **Logical reasoning**
- **Code efficiency and structure**
- **Creativity and problem-solving approach**
- **Timely and accurate submissions with clean code will score higher**
- **The fastest and most efficient coder will be crowned the winner**

General Instructions:

Open to Grades 11 & 12 students.

Only the Python programming language is allowed

Internet use is prohibited.

Any malpractice will lead to disqualification.

Judges' decisions are final.

Event Head

Ms. Ankita Yadav

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Display List

def Event3():

Mode

OFFLINE

MISSION: DECRYPT

Prepare for a high-stakes quest where **cryptic puzzles and sophisticated codes** await at every turn. This **advanced treasure hunt** pushes your **analytical skills, strategic thinking** to the limit.

Tackle **multi-layered ciphers, complex logic problems, and intricate riddles** that demand **sharp intellect**. Only those with keen insight and perseverance will unravel the final mystery and emerge victorious in this ultimate test of wit and ingenuity.

Rules:

Timeframe: 40 minutes (each for 8-10 and 11-12)

- All participants will receive a student kit at the start of the competition, which includes a printed cheat sheet for quick reference during the contest.
- The event will be held in the school's IT lab under supervision.
- Use of external devices, internet access, or outside assistance is strictly prohibited; violation may result in immediate disqualification.
- The competition will feature multiple rounds, each designed to challenge different aspects of your cryptography skills—details of these rounds will be revealed during the event.
- Participants must adhere to the time limits and instructions provided for each segment.
- Organizers' decisions regarding conduct and scoring are final.

Date

11th August, 2025
(Monday)
(8-10) (11-12)

Event Heads

Jonathan Karan Kamal

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Tanmay Chopra

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Display List

def Event4():

IHE CINEPRISM

Step into the spotlight and unleash your **storytelling** genius in our thrilling short **filmmaking** contest! This is your chance to capture **emotions**, craft **compelling narratives**, and bring your vision to life. Sharpen your creativity, master your craft, and show the world your unique cinematic voice.

Are you ready to roll the camera and make movie magic?

Mode
ONLINE

Last Date of Submission

12th August, 2025 (Tuesday)
(Time: 11:59 PM)
(8-12)

Theme: Time Manipulation

Rules:

- Films must be no longer than 10 minutes (including titles/credits), with a maximum of 2 minutes of allowed stock footage and should tell a complete story.
- Submit in MP4 or MOV, minimum 1080p resolution and a 16:9 aspect ratio.
- Upload online (shared drive folder) with a document listing participants and a 100-word synopsis.
- Entries must be submitted by the announced deadline; late submissions will not be accepted.

Judgment Criteria:

- Creativity and Originality
- Adherence to the Theme
- Storytelling and Script Cohesion
- Quality of Editing, Sound Mixing and Appeal
- Overall Impact and Entertainment Value

Event Heads

Jonathan Karan Kamal

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Eeshaan Chhabra

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def Event5():

PIXELPULSE

Capture the world through your lens and showcase your unique perspective in PixelPulse, the exciting **photography competition!** Whether it's a striking portrait, a breathtaking landscape, or a creative still life, this contest invites you to submit your **original, high-quality photographs** that tell a **story or capture a moment**. This is your chance to demonstrate your artistic eye, and compete for top honors in a celebration of visual storytelling.

Mode
ONLINE

Theme: Tradition vs. Modernity

Rules:

- This event is open for students of classes 9-12.
- Submit 2 photos per entry: the original and the edited version, both in high-resolution JPEG format.
- Photos must follow the given theme and be your own original work.
- AI-generated images, watermarks, logos, or signatures are not allowed.
- Include a brief description (100–150 words) in a Word document explaining the the location and date for each photo, technique and emotion portrayed.
- Entries not meeting these requirements or found plagiarized will be disqualified.

Judgment Criteria:

- Creativity and Originality
- Adherence to the Theme
- Composition and Lighting
- Presentation and Overall Impact

Last Date of Submission

8th August, 2025 (Friday)
(Time: 11:59 PM)
(8-12)

Event Heads

Eeshaan Chhabra

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Display List

def Event6():

Mode

OFFLINE

PORTFOLIO DESIGN

Where Data Speaks Louder Than Words

They say a picture is worth a thousand words — but what if words weren't allowed at all? Get ready for a challenge where **visuals become your only language**, and every slide must speak without speaking

Details

- Number of participants per team : 3
- Compulsory for each section of Grade XI and XII to send one team to represent their class
- Platform to be used : Google Slides
- Topic will be disclosed 15 minutes before the event
- Maximum Slides - 12 (including Introduction and Ending Slide)
- Teams will get 2 minutes to present their portfolio.

Date

13th August, 2025
(Wednesday)
(11-12)

What Can be Used :

- Graph making tools
- AI tools
- Public Datasets
- Creative Common images

Rules:

- No text allowed (including headings and content)
- Use of AI is allowed only for visual generation, not for research
- Each portfolio to be submitted within the given time.
- Content spoken after the time limit will not be considered.

Judgement Criteria:

- Conciseness of Content - How much content is covered without cramming the presentation
- Quality and Relevance - How well the visuals match and convey the given topic
- Design & Aesthetics: How well the layout and colour scheme matches the theme

Event Heads

Tanmay Chopra

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Tapur Gupta

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Display List

def Event7():

BYTE THE SITE

Have you ever wished you could turn your passion into a project? Or bring a wild, impossible idea to life, just for fun? Design a website that feels real, purposeful, and unforgettable. Whether you're building around something you're obsessed with like music, fashion, space or creating a website completely based on your imagination. Participants must combine smart coding with digital marketing sensibility, user-centered design, and branding skills.

Mode
ONLINE

Last Date of
Submission

11th August, 2025 (Monday)
(Time: 11:59 PM)
(6-12)

Rules:

- This event is for students of classes 6-12.
- All entries must be submitted on or before the assigned date.
- Participants must submit by sending a Google Drive or a GitHub Link, and ensure that the link is publicly viewable so that the event heads can access it.

Judgment Criteria:

- Design/Presentation/Appearance
- Content: Animations, videos, products, links, visual elements and other information
- Creativity and Idea
- Marketing Appeal
- Technical Implementation and Usability

Event Heads

Bhavya Tuli

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Display List

def Event8():

QWERTY 3.0

Speed is your weapon, accuracy your armour—type like lightning, strike like a champion!. Step into the **ultimate Typing Race**, where nimble fingers and sharp minds go head-to-head in a thrilling battle of words and wits. Test your limits as you **race against the clock and your peers**, striving for flawless precision and blazing speed. Whether you're a casual typer or a keyboard maestro, this event promises adrenaline-pumping excitement, friendly competition, and the chance to prove you're the fastest typist around. **Ready, set, type!**

Mode

OFFLINE

Date

12th August, 2025 (Tuesday)
(6-8)

Rules:

- The event is for students from classes 6-8.
- It will take place in the IT Lab.
- Participants will be given a passage to type on a specific platform or software.
- The passage will be the same for all participants in a round.
- Time limit: 1-5 minutes.
- Copy-pasting, use of macros, or external help is strictly prohibited.
- Any form of cheating will result in immediate disqualification.

Scoring Criteria:

- Speed (Words Per Minute) and Accuracy (%) will be considered.
- Final score = (Speed × Accuracy%) for fair assessment.

Event Heads

Aaryan Yadav

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Display List

def Event9():

VISUAL WIT

Where Creativity Meets Comedy! It's time to hit pause on the routine and press **play on your creativity!** Unleash the humorist in you and take part in MEMETICS 3.0 — the ultimate **meme-making** face-off where your wit does the winning

Mode

ONLINE

Last Date of Submission

7th August, 2025 (Thursday)

(Time: 11:59 PM)

(6-12)

Rules:

- The event is for students from classes 6-12.
- Each team can have up to 4 participants.
- Only one original meme per team should be submitted, along with the names of all team members.
- Memes must be authentic and created by the team — no copying, no AI generators.
- Memes containing any offensive, hurtful, or discriminatory content (related to caste, creed, race, personal identity, or targeting teachers) will be instantly disqualified.
- Political, religious, or controversial themes are strictly not allowed.

Judgement Criteria:

- Creativity & Originality
- Relevance
- Multi layered approach
- Clarity & Visual Appeal
- Appropriateness & Adherence to Guidelines

Event Heads

Tapur Gupta

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Display List

def Event10():

Mode
ONLINE

SCRATCH XPLORERS

Young coders in Classes 4 and 5 are invited to create their own **interactive games** using Scratch. Explore your creativity and problem-solving skills by designing **fun and engaging games** that reflect the theme. Share your unique story and gameplay with everyone!

Instructions:

1. ***Game Creation***: Design an engaging game of your choice using Scratch. The game must have a timer / score option.
2. ***Multimedia Elements***: Incorporate relevant music and sound effects to enhance gameplay.
3. ***Originality***: Plagiarism will result in instant disqualification. Ensure your project is entirely your own creation. Try to create your own sprites and backgrounds to earn brownie points!
4. ***AI Usage***: AI tools cannot be used to create the project. However, AI-generated images are allowed.
5. ***Theme***: The game theme is open-ended, allowing you to explore your creativity.
6. ***Submission Format***: Projects should be submitted as a shared Scratch project link or a .sb3 file.
7. ***Judging Criteria***: Creativity, gameplay, design, and multimedia elements will be evaluated.

Event Heads

Ms. Neeru Nagi

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Display List

def Event11():

Mode
ONLINE

CYBERCANVAS

In today's digital age, safety starts at home and it begins with awareness. Parents are invited to put on their creative hats and design digital posters that champion the cause of cyber hygiene, password safety, and online responsibility. The poster can be related to Digital Footprint Awareness, Protecting Children Online, Safe Browsing Practises or Recognising Phishing and Scams.

Last Date of Submission

8th August, 2025 (Friday)
(Time: 11:59 PM)

Rules:

- The posters must be digitally designed poster.
- The message should promote learning or awareness related to digital safety.
- A clear image of the poster must be uploaded on the provided link.
- Submissions must be original.
- Plagiarized content will be disqualified.

Judgement Criteria

- Creativity and Visual Appeal
- Relevance to Theme
- Educational Message Clarity
- Tech Element Use
- Content

Event Heads

Ms. Garima Gautam

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