

# INTER WARTEX 2022

BROCHURE

*“Out there is a new world! Out there is our victory! Out there is our destiny!”*

- Kevin Flynn, Tron Legacy (2010)

The vast technological expansion in the recent years has changed the world in ways no one could imagine. To ensure that the youth remain on the cutting edge of the technological advancement, Shaheed Rajpal DAV Public School Dayanand Vihar has attempted to promote technological development and ideology among students who shall be the leaders and innovators of the future. To help with this endeavor, the Computer Club of S.R.D.A.V Public School, Technocrats, are hosting its 7th Edition of Inter-school Tech-Fest: WARTEX, which will commence on 15th January 2022.

To accommodate the online lifestyle of these unprecedented times, there will be some changes in the organization of the event. This will be a completely online event. You can find all details related to the event in the event brochure attached below.

We plead everyone to stay home and stay safe.

Regards,

The Technocrats-

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# General Guidelines

- Students need to mail their entries to [wartexdata@gmail.com](mailto:wartexdata@gmail.com) with the subject of the email as “Name of the event – YourName” and mention participant name(s) along with their respective class and school, and with one Contact number. The last date of submission is 31 January, 2022, after which no submissions will be entertained.
- 1 student can only participate in any 1 event.
- The decision of the event heads will be absolute and binding, in all matters of that event, and the judgement of the President will be the final word.
- If any student is found guilty of using unfair means, the Participant will be disqualified from that particular event.
- For All the information, announcements & updates, join our Discord Server at <https://discord.gg/WhQtURK6Q8>

# Life, Death + Puzzles

Teams per School:  $\infty$

Eligibility: Open

Participants: 1

## Rules:

- The Game has 3 phases.
- Answer a chain of questions correctly and move to the next phase.
- Each phase has 1 key. When you clear a phase, you obtain one key.
- First one to obtain all 3 keys will be transported to the 'Easter Egg' i.e. The Ultimate Prize.
- This is a Treasure Hunt.
- Questions will be from anything.
- Everyone for themselves; no teams.
- \*/If admins think that a level is too difficult, we will provide free hints from ourselves on the Hunt Discord Server. All the major announcements will be shared on the Discord Server and the Instagram and Facebook Page.

- The Hunt will be a 48 Hours. It will commence on 00:00 on 29th January, and end on 23:59 on 30th January, 2022.
- The Player must always have access to a PC. It is not advisable to play it in its entirety on Android or iOS.

## **Note:**

Join our exclusive Cryptic Hunt Discord Server for important information and updates  
<https://discord.gg/pyMZKRbXxB>

## **Event Head:**

Aditya Chaudhary

+91 8929005969

# HackHeist

Teams per School: 1

Eligibility: VI-XII

Participants: 2-5

## Event Prompt:

The theme for Hackathon is Innovation. Seems vague, right? But we want you to innovate and come up with something you truly would preach for. Something that you would yourself use/buy/live.

## Event Guidelines:

Following are allowed strictly for each deliverable respectively:

### A. Development:

- I. Create a website or mobile app based on prompt and deploy it on web/build the application.
- II. Only Google fonts are allowed.

- III. No premade templates allowed.
- IV. HTML, CSS and JavaScript (obligatory mention)
- V. Standard libraries like Bootstrap, Tailwind are allowed. Design systems such as Ant Design are NOT allowed.

B. Presentation/Documentation:

- I. Write a summary of your idea and features.
- II. Write also about how it can be implemented.

C. Design

- I. Make a poster/video for your product.
- II. Logos, brandings, colour schemes are all included.

**Note:**

- Submission to be done to [wartexdata@gmail.com](mailto:wartexdata@gmail.com) latest by 31<sup>st</sup> Jan, 2022.

**Judgment Criteria:**

- Realistic product
- Creativity
- UI/UX experience

## **Event Head:**

Mehul Varshney

[varshneymehul5@gmail.com](mailto:varshneymehul5@gmail.com)

+91 8376820175

Discord: wubbalubdubdub#9589

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# Ragnarok

Teams per School:  $\infty$

Eligibility: IX-XII

Participants: 1

Game - Valorant

Event Date: 23<sup>rd</sup> and 24<sup>th</sup> Jan

## Rules:

- Ragnarok will be a 2 daylong event.
- Game Mode will be revealed on the day of Event.
- No cheats are allowed.
- Anyone found cheating will be disqualified
- Judgement will be done on kill points
- Players with top kill points will be shortlisted irrespective of the team.
- Team will be made on random basis
- All participants shall abstain, at all times, from poor, undesirable, or negative behaviour towards anybody involved with the tournament in any way.

**Event Head:**

Om Kumar Jha

[okjha09@gmail.com](mailto:okjha09@gmail.com)

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# Memeology

Teams per School:  $\infty$

Eligibility: VI-XII

Participants: 1-3

## Rules:

- You can make a meme on any topic or theme of your choice
- The participating team can submit up to 3 memes, in any of the given format.
- The meme can be submitted in two formats: Image or Video. Images represent the conventional memes you see on the internet, while examples of video memes can be found at the YouTube channels of Gus Johnson, Jacksfilms, Sven Johnson, Ian Kung, ProZD, Anthpo, Dolan Dark, Grandayy, etc.
- The meme should not be plagiarized from any pre-existing meme. Also, the use of pre-existing templates is not allowed; if you're making a meme in image format, you have to come up

with a new original template. This can either be edited from photo on the internet, with due acknowledgement, or you can click your own images for the same.

- If you are submitting a video meme, the idea should be original and not copied from any pre-existing video. You have to shoot the video yourself, and edit it. You can use videos/images from the internet with due acknowledgement.
- The meme should not contain any NSFW elements, and not in any way offend/hurt the sentiments of any race, creed, caste, person, religion, etc. The meme can be edgy, but there is a difference between edgy and offensive, which you must keep in your mind.
- Any kind of violation of these rules, will lead to disqualification.

### **Note:**

- Submission to be done to  
[wartexdata@gmail.com](mailto:wartexdata@gmail.com) latest by 31 Jan, 2022.

## Judgment Criteria:

- Creativity – 5 marks
- Humor – 5 marks
- Resource Management – 3 marks
- Skills Used – 3 marks

## Event Head:

Arnav Kumar

+91 9667212970

# Minecraft

Teams per School:  $\infty$

Eligibility: VI-X

Participants: 1-2

## Rules:

- Use Creative Mode in Flat world.
- Use Minecraft Education Editions.
- Use your creativity.
- No use of modes or biomes.
- Anyone found cheating will be disqualified.
- No entries after the last date will be entertained.
- Make a video of your Minecraft Project.

## Note:

- Submission to be done to  
[wartexdata@gmail.com](mailto:wartexdata@gmail.com) latest by 31st Jan, 2021.

## Judgment Criteria:

- Originality - 15 Marks
- Creativity - 10 Marks
- Resource Management - 10 Marks

## Event Head:

Sarthak Jha

+91 9289133891

sarthakjha69@gmail.com

# Rework Render

Teams per School:  $\infty$

Eligibility: VI-XII

Participants: 1

## Guidelines:

- Wartex will provide you raw footages.
- You may use any software for editing.
- We prefer you to make it under 60 seconds but if you have a great idea that would fit in more than that then go for 90 seconds.
- For submission upload your video in Google drive and mail the link to [wartexdata@gmail.com](mailto:wartexdata@gmail.com) with your details by 31<sup>st</sup> Jan.

## Details to be mentioned in mail:

- Your Name
- Class & Section
- Software/app used

**For the link of raw footages join Wartex WhatsApp group or follow our social media accounts!**

**Note:**

- Submission to be done to  
wartexdata@gmail.com latest by 31st Jan, 2021.

**Judgment Criteria:**

Sequence of clips - 10 Marks

Originality & Creativity - 10 Marks

Sound Designing/effects - 5 Marks

Colour Grading, Effects, transitions - 5 marks

**Event Head:**

Ojas Aggarwal

IG- @ojasaggarwal\_

Ojas9810@gmail.com

# Warp n Weft of AI

Eligibility: IX-XII

## What to expect:

- Introduction of concepts in AI to young enthusiasts, and guidance to succeed from beginner to an amateur level.
- Statistical learning
  - Regressions
  - Error Analysis (R-squared, RMS, etc.)
- Neural networks
  - Gradient Descent
  - Backpropagation
  - Loss Functions and Optimizer Basics
  - Error Analysis (Gauss Error Function)
  - Dense Layers
- Hands-on work throughout the course. Yellow Submarine and Python will be used in display for the same.

## **Certification/Reward**

In a suitable point in time during the course, the participants will be given the task of writing a 'Review Paper' on Artificial Intelligence under the bounds of what has been taught and further research around the same topics. A detailed help sheet, covering how to do the same (with suggested resources) will be provided at the same time.

Website: shows flow of execution of plan

On the basis of the submitted Review Paper, a total of 3 students (per grade) will be awarded with "*Excellence in Structural Basics and Growth Analysis of Artificial Intelligence*".

## **Durations and enrolment details**

In a run of 3 days with 2 batches per day, the course will be completed and submitted Review Papers will be evaluated for drafting the certificates. A rate of 2 hours per day will be followed and the organizers will swap their places at the first hour, between the two running batches.

According to density of participants, it will be decided if the two batches are split between the same grade or different grades.

(“grade” refers to the school year you’re in)

### **Note:**

- Last day to register is 15<sup>th</sup> Jan
- Event is on 17<sup>th</sup>, 18<sup>th</sup> and 19<sup>th</sup> Jan

### **Event Headed by:**

Aaryamitra Pateriya

Pranat Sharma

### **For Contacting:**

[developers.yellowsubmarine@gmail.com](mailto:developers.yellowsubmarine@gmail.com)

# **Turn Up the Bass (DJ Mixing and Music Production)**

Teams per School: ∞

Eligibility: VIII-XII

Participants: 1-3

## **Guidelines:**

- Participants have to complete one of the given tasks below and submit the audio file: -
  - Task 1:
    - Produce a beat of any genre (Sad Happy, lo-fi)
    - Files allowed to use: - Drum loops, melody loops
    - Time duration - 2-3 minutes
    - Software - Fl studio, Ableton, logic pro.
  - Task 2:
    - mix two any audio files or songs (tempo/beat matching)
    - Time duration: - 2-3 minutes
    - Software - virtual DJ

**Details to be mentioned in mail:**

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Submissions must be made through mail in the following manner: -

- Name
- Class
- Schools
- Contact Details
- Mp3 audio file / link

#### **Note:**

- Submission to be done to [wartexdata@gmail.com](mailto:wartexdata@gmail.com) latest by 31st Jan, 2021.

#### **Judgment Criteria:**

- Creativity - 10 Marks
- Originality-10 Marks
- Presentation-10 Marks
- Overall Quality-10 Marks

#### **Event Head:**

Ansh Dixit 9811512654

[dixitanshofc005@gmail.com](mailto:dixitanshofc005@gmail.com)

# Kubrickism

Eligibility: VIII-XII

Participants - 1-6

Teams per School- ∞

## Overview:

This event is categorized into two, considering the age difference between participants.

- Kubrickism (Senior):- Classes Xth to XIIth
- Kubrickism (Junior):- Classes VIIIth and IXth Each category will have its own prizes.

## Event:

- Participants have to make a Short Film on any theme or topic of their own choice. They have the liberty to bring out any story through the medium of Short Film.

## Important Notice:

Filmmaking is a form of creative work which requires people endowed with undying passion and exceptional creativity.

The absence of theme and topic are entirely just to make your creative juices flow in all directions, your exploration does not come to an end and you can bring out your best in front of the world. WARTEX provides you the platform where you can enjoy the full liberty of being

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creative without any restrictions. You are literally free to make anything that comes from your heart. So be creative and follow what you love!

### Instructions:

- If the students want to prevent going outside, they can shoot in their homes.
- They can shoot the scenes separately in their respective homes and later merge them by coordinating together.
- The story/Script of the Film should be purely original. Any copied storyline can be disqualified. (Ideas can be taken from films, but the actual plot and storyline should be purely original)
- Any editing software can be used. No need to buy the license of software. No marks will be deducted for any watermark of software.
- Videos will be judged on several criteria like audio-visual matching, Editing skills etc. If you are taking yourself in the video then facial expressions will carry marks. You can include your family members in the video if you want. No marks deduction would be there for their performance.
- Adding background music is compulsory.
- Participants can use Green Screen, VFX effects. (Make sure it does not go cheap)

- Shooting can be done through smartphone camera, DSLR or any other device available. No marks will be deducted for video quality of film.
- Participants may involve family members in their film. Students should teach them about how to enact on camera.
- If any copyrighted material is used, CREDITS TO THE RESPECTIVE OWNER IS COMPULSORY.

### **Important: -**

Participants Have to upload their respective Short Films on YouTube with title as: - "Title of your Short Film" ||Wartex #7.0 Entry, and then mail the Video. Link at [wartexdata@gmail.com](mailto:wartexdata@gmail.com)

### **Judgement Criteria:**

#### **Kubrickism (Senior) 15 Marks**

- Script/Story (5 marks): - Probably the most important element of any film. Storyline is the heart of any film. You might've seen films with a lot action scenes and VFX, but lack of proper story makes it flop on box office. This is the only element which should be given the most attention.
- Acting (4 marks): - Performance of the actors. An actor can change the fate of film by his/her performance. We've seen films, which lacked many things, but the breathtaking performance of actors made it bring laurels.

- Cinematography (3 marks)- Professionalism in scenes shot is very important in any film. Also, the angle at which shot is taken tells a lot about the subject (character) in the film. For ex. The low angle shot is taken mostly when the character is shown to be dangerous or of high status. In the movie 'The Dark Knight', many low angle shots are taken in order to portray 'Joker' as a dangerous character.
- Post Production (3 marks): - It involves Editing and Background score.

Note: -

Background music is one of the most crucial elements of any scene. So, more importance (in judgment) would be given to the background score of film.

## Kubrick's (Junior) 15 Marks

- Script/Story (8 marks): - Probably the most important element of any film. Storyline is the heart of any film. You might've seen films with a lot action scenes and VFX, but lack of proper story makes it flop on box office. This is the only element which should be given the most attention

Sub-Criteria

- ◆ Concept (3 Marks)
- ◆ Plot (3 Marks)
- ◆ Dialogues (2 Marks)

- Acting (7 marks): - Performance of the actors. An actor can change the fate of film solely by his/her performance. We've seen films, which lacked many things, but the breathtaking performance of actors made it bring laurels.

Sub-Criteria

- ◆ Facial Expressions (3 marks)

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- ♦Voice Modulation (3 marks)
- ♦Body Language (1 mark)

### **Important Note (If Family members are Participating):**

- Even if family members are sharing the screen, only the name of participant will be taken into account.
- No marks will be deducted for the performance of family members. (considering them to be unaware and unskilled in this art)
- Only the Acting of STUDENTS will be taken into consideration.

Event Head

Arnav Nelwal

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# **Upvento**

Teams per School:  $\infty$

Eligibility: VI-XII

Participants: 1-2

## **Theme:**

Innovation has no limits, so NO THEME this year. You are free to innovate.

## **Rules:**

- You have to submit an explanatory video and a ppt which includes topic working and aim.
- Make sure you add every detail of the project in ppt. (Pros and cons, structure, functioning, problem it resolves etc.)
- No language restriction. (Hindi, English or Hinglish.)
- Ideate should be original any kind of plagiarism may lead to disqualification.

## **Note:**

- Submission to be done to [wartexdata@gmail.com](mailto:wartexdata@gmail.com) latest by 31st Jan, 2021.

## Judgment Criteria:

- Creativity - 10 Marks
- Presentation - 10 Marks
- Originality - 10 Marks
- Functioning - 10 Marks

## Event Head:

Vidhi Gupta

+91 9315905365 (WA Only)

[vidhigup24@gmail.com](mailto:vidhigup24@gmail.com)

# Vlog Time

Teams per School: ∞

Eligibility: VI-XII Topic:

Open

## Rules:

- Make a Vlog on any topic.
- The vlog must be between 3 to 7 minutes.
- Upload your Vlog on Google Drive and share the link latest by 31<sup>st</sup> Jan 2022 on [wartexdata@gmail.com](mailto:wartexdata@gmail.com)
- If any copyright material is still used (Even after the restriction of its use) it must be mentioned.
- You can shoot the Vlog in either Hindi or English.

## Some tips on Vlog Making:

- Spice up your vlog with unique transitions.
- If you're using music in your vlog background, a good tip would be to sync your transitions with note changes or base drops in your music track.

- Never use copyrighted material.
- You should always interact with your audience.
- Reduce shaky footage.
- Practice filming and watch your videos back take notice of your footage stability.

### Note:

- Submission to be done to [wartexdata@gmail.com](mailto:wartexdata@gmail.com) latest by 31<sup>st</sup> Jan, 2022.

### Judgment Criteria:

- Originality - 25 marks
- Video Quality - 15 marks
- Audio Quality - 15 marks
- Editing - 20 marks

### Event Head:

Riddhi Goyal

[Riddhigoyal86@gmail.com](mailto:Riddhigoyal86@gmail.com)

+91 9911066644

# Raise-A-Rap

Teams per School:  $\infty$

Eligibility: Open

Participants: 1-3

## Note(i):

- It's not necessary that every member has to sing the rap; they can help in editing or writing too
- Seniors and Juniors will be judged accordingly

## Guidelines for Round 1:

- This is a qualifier round.
- Participants have to write and record a rap on any topic of their own choice.
- Rap must be original otherwise it will lead to disqualification
- Writing your own rap is not necessary you can also edit a famous rap by adding your own lyrics.
- Extra marks will be given for using background music.
- Making a video is compulsory (Video must be made at home with safety precautions or you

can add a slideshow of pictures with your recorded rap.

- Making your own music is not necessary you can take copyrighted music from YouTube or google.
- All languages are allowed for composing the lyrics.
- Cuss words are strictly prohibited.
- Any software is allowed for audio/video editing.
- No marks will be deducted for audio/video quality.
- Time limit for the video will be 5 mins.
- Send your entries in mp4 format or a google drive link.
- Qualified students will be informed who will participate in Round 2.

## **Guidelines for Round 2:**

This round is a surprise round and details will be disclosed on the discord server after the submissions for 1st round will get over.

**Details to be mentioned in mail:**

**INTER WARTEX**

Submissions must be made through mail in the following manner: -

- Name
- Class
- Schools
- Contact Details
- Only Video Link

### **Note(ii):**

- Submission to be done to  
[wartexdata@gmail.com](mailto:wartexdata@gmail.com) latest by 31st Jan, 2021.

### **Judgment Criteria:**

- Lyrics- 5 Marks
- Voice Control-5 Marks
- Video-5 Marks
- Over All Presentation -5 Marks

### **Event Head:**

Ansh Dixit 9811512654

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