



**CHRIST**  
(DEEMED TO BE UNIVERSITY)  
BANGALORE · INDIA

HUMAN IN THE LOOP

# Department of Statistics and Data Science

PRESENTS



# E[X]PECTATIONS

20th & 21st January '23



# **CHRIST**

## (Deemed to be University)

CHRIST (Deemed to be University) is born out of the educational vision of St Kuriakose Elias Chavara, an educationalist and social reformer of the nineteenth century in South India. He founded the first Catholic indigenous congregation, Carmelites of Mary Immaculate (CMI), in 1831 which administers CHRIST (Deemed to be University).

Established in 1969 as Christ College, it undertook path-breaking initiatives in Indian higher education with the introduction of innovative and modern curricula, insistence on academic discipline, imparting of Holistic Education and adoption of global higher education practices with the support of creative and dedicated staff. The University Grants Commission (UGC) of India conferred Autonomy to CHRIST College in 2004 and identified it as an Institution with Potential for Excellence in 2006.

In 2008 under Section 3 of the UGC Act, 1956, the Ministry of Human Resource Development of the Government of India, declared the institution a Deemed to be University, in the name and style of CHRIST University. One of the first institutions in India to be accredited in 1998 by the NAAC, and subsequently in 2004, 2016 and 2022, CHRIST (Deemed to be University) has the grade 'A+' in the 4-point scale.

## About the **DEPARTMENT**

The Department of Statistics and Data Science strives to provide a dynamic research environment and effective education, including excellent training in scientific data collection, data management, methods and procedures of data analysis. Our curriculum adheres to worldwide standards to provide the best possible research and educational opportunities.



It offers a perfect blend of statistical knowledge with tools and data science techniques required to explore, analyse and interpret the complex data of the modern world. The curriculum and teaching pedagogy foster higher-order thinking and research skills, which equip students for the dynamic and ever-evolving data industry. Well-designed co-curricular activities organized by the department are aimed at the holistic development of students. The skills imparted through various programs offered by the department aim to develop data professionals who would strive to contribute for the development of society and the achievement of national goals.

# About E[X]PECTATIONS

The Department of Statistics and Data Science is elated to bring you Expectations, a 2-day National Level fest to be held at CHRIST (Deemed to be University), Central Campus, Hosur Road, Bengaluru, Karnataka on 20th and 21st January 2023. Expectations is the department's annual tech fest which encourages students who are passionate about technology to share their innovative ideas, while widening their horizons and knowledge by leaps and bounds.



The event intends to promote the use of findable, accessible, interoperable, and reusable (FAIR) data while ensuring the fairness, accuracy, confidentiality, and transparency (FACT) of the algorithms and tools. Hence, Expectations 23' aims to broaden your perspective and make you more competent and cognizant individuals.

## HUMAN IN THE LOOP



The term "Human in the loop" has been in vogue for long but its significance has reigned supreme in recent years. For the unversed, HITL banks on human acumen to improve data quality and uses core statistics to sample good data for humans to label. In certain cases, considering the workings of a machine, the desired output is not reproduced as expected. Hence, human intervention impacts the outcome and aligns it with the need of the hour.

As data scientists and statisticians, it is not hard for us to believe that ML models are often far from truth. Complete reliance on machines in critical domains like healthcare and finance (which can potentially ruin human lives if something goes wrong) is considered downright irresponsible. It is advisable for a human to review at least some of the predictions; those with low confidence, those out of range, and a random sample for quality control.

"Human in the loop" also has an upper hand when it comes to training scenarios that enables the learner to fully experience the activity or process. This helps the learner in acquiring the required skill to their fullest potential before putting that to use in the real world. It also gives room for learning possible outcomes of any particular event. Learners, in this case, will interact with realistic simulations and try to act as they would in a real-world situation.

Hence, we believe that HITL makes a good case for itself to be an interesting niche theme for our department fest this time. We hope you share the same vision and contribute enthusiastically in more ways than one!

# TECHNICAL



## EVENTS

1. Viz-it-out
2. Data novella
3. Quizzarder
4. Data Bolt
5. Bidding Master
6. Code-o-fiesta
7. Data Mishap

# ONLINE

## EVENTS

1. Valorant (5v5)
2. Treasure Hunt

# EVENTS LIST

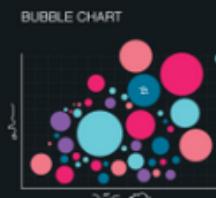
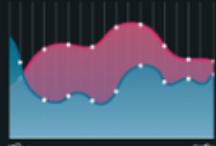


# NON TECHNICAL

## EVENTS

1. Sherlocked
2. Project V
3. El Pintura
4. Minute to Win it
5. Reel It Feel It
6. War of Wits

# TECH EVENTS



## VIZ-IT-OUT



### TEAM EVENT

Up to 3 teams per college  
(2 members each)

#### Data Visualization

Viz – It – Out is a Data Visualisation event. This event aims to test participants' creative and innovative way of presenting data and their ability to solve the complex problem given in the data. The event will have 2 rounds- Elimination and Presentation. The participants are allowed to use software like Python, Tableau, Power BI, Microsoft Excel, Google Data Studio.

#### Rules and Regulations:

- This is a time bound event for creating visualization of a given data set.
- Qualification for the next rounds will be based on the uniqueness, creativity and potential of the report submitted.

#### Requirements:

- Each participant will be required to bring their laptops with the necessary software preinstalled.
- Permitted software are – Python, Tableau, Power BI, Microsoft Excel, Google Data Studio.

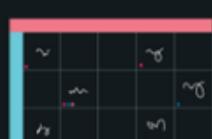
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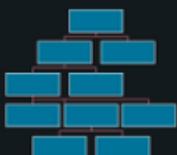
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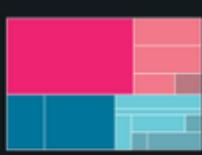
TIMETABLE



TREE DIAGRAM



TREEMAP



VENN DIAGRAM



VIOLIN PLOT



WORD CLOUD

Listen Color  
Present World Education  
Beauty Data Visualization  
Math Design



# DATA NOVELA



## TEAM EVENT

Up to 2 teams per college  
(3 members each)

### Data Storytelling

What story is your data telling you?

Teams will be given a dataset and a problem. They are expected to create a story from it, come up with their own insights, conclusions and visually represent them. They can use Python/R or Excel to analyze the data and use any visualization software of their choice.

#### Rules and Regulations:

- Teams are expected to establish a connection between their findings and the recommendations they make.
- Medium of presentation is English.
- Evaluation will be based on the quality, depth, uniqueness and potential value of the analysis.

#### Requirements:

- Participants must carry their own laptops.
- Participants must be proficient in Python/R and at least one visualization software.

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# QUIZZARDER

**TEAM EVENT**

Up to 3 teams per college  
(2 members each)

## Quiz

This event was inspired from the aspiration to test the speed and competency of students in the applications of statistics, data science and analytics. The event will be conducted in 3 rounds. The quiz will be a combination of basic statistical questions and interpretation questions. Participants can expect questions based on their conceptual knowledge and application-based proficiency.

**Rules and Regulations:**

- First elimination round will be conducted through pen paper mode.
- Participants should bring their own laptops.
- Decision of the judges will be final.
- Malpractice will lead to disqualification.

**Requirements:**

- Knowledge in statistics and data science subjects is required for this event

**Contact Details:**

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# DATA BOLT



## TEAM EVENT

Up to 3 teams per college  
(2 members each)

### Business Problem

Inspired by the concepts of online treasure hunts and speed coding challenges, Data Bolt is an event where the participants will be tested on their analytical thinking, fast problem solving, understanding of data and coding knowledge. Bring your thinking hat because it is a race to win!

#### Rules and Regulations:

- Participants are expected to solve given problems.
- Submission of solution will be done online.
- Decision of the judges will be final.
- Unethical or malpractice behavior will lead to disqualification of the team.

#### Requirements:

- All candidates must bring their laptop for the event.
- Participants need to know SQL/Excel or any similar platforms.

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# BIDDING MASTER



**TEAM EVENT**

Up to 3 teams per college  
(2 members each)

## Code Auction

Venture into the high-stakes world of coding with this modern classic and win big. Only a few bold enough to bid big can rise through the ranks to win the competition. Wanna test your technical skills, pressure and time handling capabilities? Register here.

### Rules and Regulations:

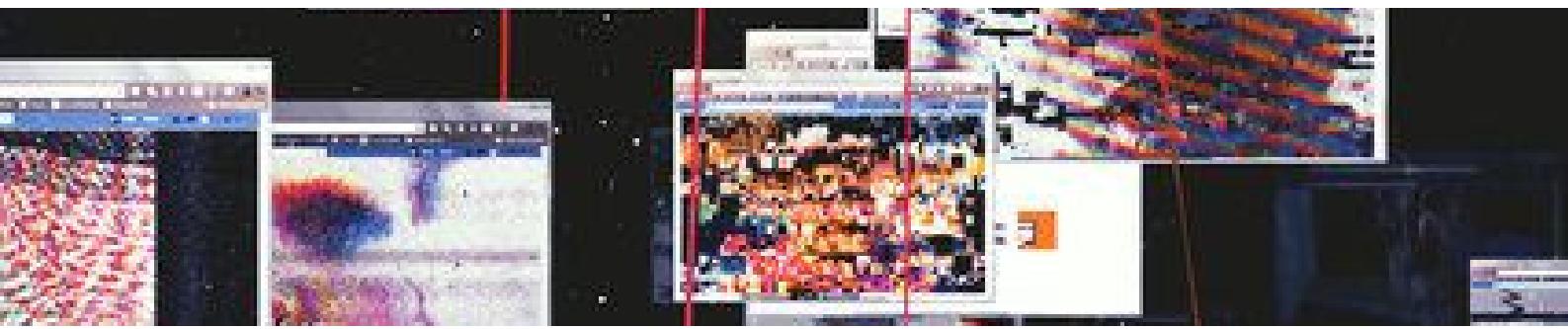
- This event has time bound rules.
- Participants will be given questions/puzzles.
- Each team will be given time to go through the questions and then the auction process will start.

### Requirements:

- Basic concepts of Computer Science, Mathematics and Machine Learning.
- Participants can use scientific calculator.

### Contact Details:

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# CODE-O-FIESTA

## CODING AND DEBUGGING



INDIVIDUAL/TEAM EVENT  
Individual / Team of 2

Are you ready to test your knowledge in Python as a programming language? If yes, then code-o-fiesta is here to test your coding skills to the core, over 3 rounds of intensive programming challenges. So, fire up your neurons and sharpen your coding skills

### Rules and Regulations:

- All questions will be based on Python. No prerequisite knowledge of any other programming language is required for this event.
- Systems will be provided with Python installed. Everyone are expected to code in Python using the given platform only.
- Internet will not be allowed in any round of the event.

### Requirements:

- Python, logic building

### Contact Details:

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# DATA MISHAP



## TEAM EVENT

Up to 3 teams per college  
(2 or 3 members each)

### Hackathon

It's Scrap for ordinary , It's Gold for geeks. Run your mind wild to create the best models and get the best insights from the data. This event aims to bring out the innovative and creative thinking ability of the participants. Consisting 3 rounds of fun and smartwork. So, bring out your DATA skills and let it run wild on the FIELD we are providing.

#### Rules and Regulations:

- Internet will be allowed in Round 2 only.
- Decision of the judges will be final.
- Malpractice will lead to disqualification.

#### Requirements:

- All candidates must bring their laptops for the event.
- Knowledge of any one programming language(Python, R) required for this event.

#### Contact Details:

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Soumyadip Ghorai	+91-7872817970



# NON-TECH EVENTS



## PROJECT V



### TEAM EVENT

Up to 3 teams per college  
(5 members each)

#### Gaming Event

To all FPS gamers out there! An exhilarating two day event, Project V is a national level Valorant tournament, nay, a GAUNTLET where keen players. We kick off with Spike Rush elimination followed by Standard(Unrated) playoffs.

So pull out your VANDALS and prepare to RAZE because the risks are high and the rewards are higher!

#### Rules and Regulations:

- Every Participant must be respectful towards other participants and organizers. Unethical behavior and insults will lead to disqualification.
- Unfair means of playing will lead to disqualification.

#### Requirements:

- Participants will be provided desktops to play. They are not allowed to use their own laptops.
- Participants can bring their own gaming peripheral like External Mouse, Keyboards etc.

#### Contact Details:

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# SHERLOCKED



## TEAM EVENT

Up to 3 teams per college  
(5 members each)

### Treasure Hunt

Start -> Find-> Proceed -> Find -> Proceed -> Find-> Stop. The idea of hunting for hidden treasure has always been exciting. Be a part of adventure by working in small teams to find the treasure with clues given.

#### Rules and Regulations:

- Registration of the team is mandatory.
- Every participating team must be respectful towards other teams and organizers.
- Unethical behavior will lead to disqualification.
- Unfair means of playing will lead to disqualification.

#### Requirements:

- Solving clues for the hunt might require subject knowledge.

#### Contact Details:

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# EL PINTURA

## Poster Designing



**INDIVIDUAL EVENT**  
Up to 3 participants per college

'El Pintura' is a digital poster art competition for effectively depicting a theme that will highlight the inventiveness of the participant. The competition consists of one round, wherein the participants will be given a topic of current relevance. The posters must be submitted within one hour and it should contain suitable captions. The participants will be judged based on their creativity, content, the aptness of the caption, and the degree of preciseness in reflecting the theme.

### Rules and Regulations:

- Dimensions should be constrained to 42 x 59.4 cm (W x H).
- Submission has to be in a PDF file type where the file size should not exceed 10MB.
- File name must follow the format 'Firstname\_Lastname.pdf'.
- Participants must not include their names on any part of the poster.
- Poster has to be an original work of the participant.

### Requirements:

- Laptop with good internet connection.
- Canva/ Photoshop.

### Contact Details:

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Jane Maria Jose

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Milan Joseph Josy

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# MINUTE TO WIN IT



## TEAM EVENT

Up to 3 teams per college  
(3 members each)

### Pictionary

Pictionary is a classic party game where players take turns to draw words while their teammates try to guess it right. In this event, pictionary will be served to you with a pinch of twist! This event consists of 2 rounds. The team with the highest score wins.

#### Rules and Regulations:

- The drawing member should not use letters, numbers or sign language to communicate.
- The answer must be precise. Example – “Enlarged” for “Enlarge”.
- Words can be split into several syllables.
- Any number of guesses are allowed.

#### Requirements:

- Mode of communication in this event should be in English only.

#### Contact Details:

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Sai Hasitha	+91-6303440130



# REEL IT FEEL IT



**INDIVIDUAL EVENT**  
Up to 3 participants per college

## Reels Making

Did you know that there is a latin word for reels too! That's Nutat.

Reels are the only form of entertainment which can make or break you, those 60 seconds can say a lot more about you than just your talent. This helps you to showcase your ideas and skills through short and catchy videos. So get creative, wear your confidence and flaunt your talent to us.

### Rules and Regulations:

- Reels should only be taken inside the campus .
- Allowed to use only Music/BGM to the video. [No lyrical song should be added]
- No Vulgarity in the video is entertained.
- Reel duration should be 15 - 60 sec.
- Timely submissions and theme related reels will only be considered.

### Requirements:

- Mobile phone with good internet connection.
- Reel should be uploaded in drive links with their name as file name.

### Contact Details:

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# WAR OF WITS



**INDIVIDUAL EVENT**  
Up to 3 participants per college

## Debate

There are two sides to every story. Do you think you possess the skills and knowledge to present a convincing argument of the side you believe in? If yes, enroll in the War of the Wits. Face off, argue and countervail to bring out the debater in you.

### Rules and Regulations:

- A buzzer will be beeped 15 seconds prior to the total time and another on completion of the total time.
- Negative points for going overtime.
- Penalty for topic change.
- Maintaining decorum during rebuttal.
- Use of unfair means will lead to disqualification.

### Requirements:

- Mobile phone with good internet connection.
- Writing materials.

### Contact Details:

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# ONLINE EVENTS



## TREASURE HUNT



### TEAM EVENT

Up to 3 teams per college  
(2 members each)

### Treasure Hunt

The world surrounding us is filled with unexplored treasures. And when it comes to online world, we all know what consists the treasure... "DATA". We bring to you a wholesome group event with fun stages based on DATA DRIVEN problems. The team with leading points would risk their game life at the end and the team that survives the boogie-traps will deserve the treasure.

#### Rules and Regulations:

- Teams using the chat-box will be disqualified.
- Process will go on till clue card no 6.
- One person per team should DM in instagram and confirm answers.

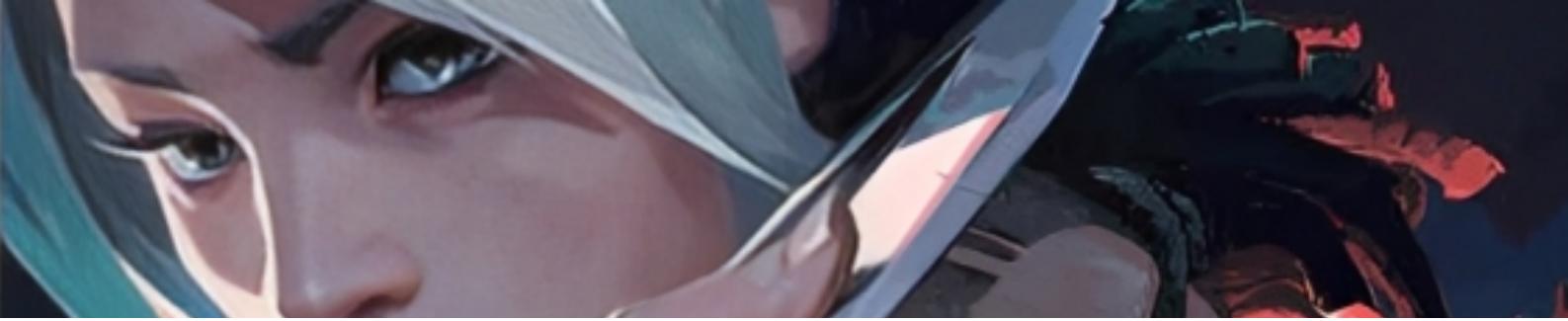
#### Requirements:

- Laptop with good internet connection.
- Instagram account.

#### Contact Details:

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Debdipto Mondal	+91-8697917449





# VALORANT (5 V 5)



**TEAM EVENT**

Up to 3 teams per college  
(5 members each)

## Gaming Event

To All Online FPS Gamers, it's that time of the year when you realize that your Immortal rank isn't enough to blanket the feeling of crippling loneliness in the back of your mind. So, rather than spending the day alone, put your Quick scope, Reflex and Spray control skills to test and bring your Inner 'TenZ' or 'ScreaM' and play along with your team. May the best 5 Stack win.

### Rules and Regulations:

- There will be specific Gun selection rounds where the Players can only play with the Gun recommended by the Organizers (Both the Teams) as there would be Pistol round, Shotgun round, Rifle round, Sniper round , etc.
- All the players should be there in the room 10 minutes before the match timing. Any squad failing to enter the room before the given time or before the match starts will be considered disqualified.
- Any unethical action during the match or any complain against any team for any unethical means will result in disqualification of the entire team.

### Requirements:

- Laptop with good internet connection.
- WhatsApp Account.

### Contact Details:

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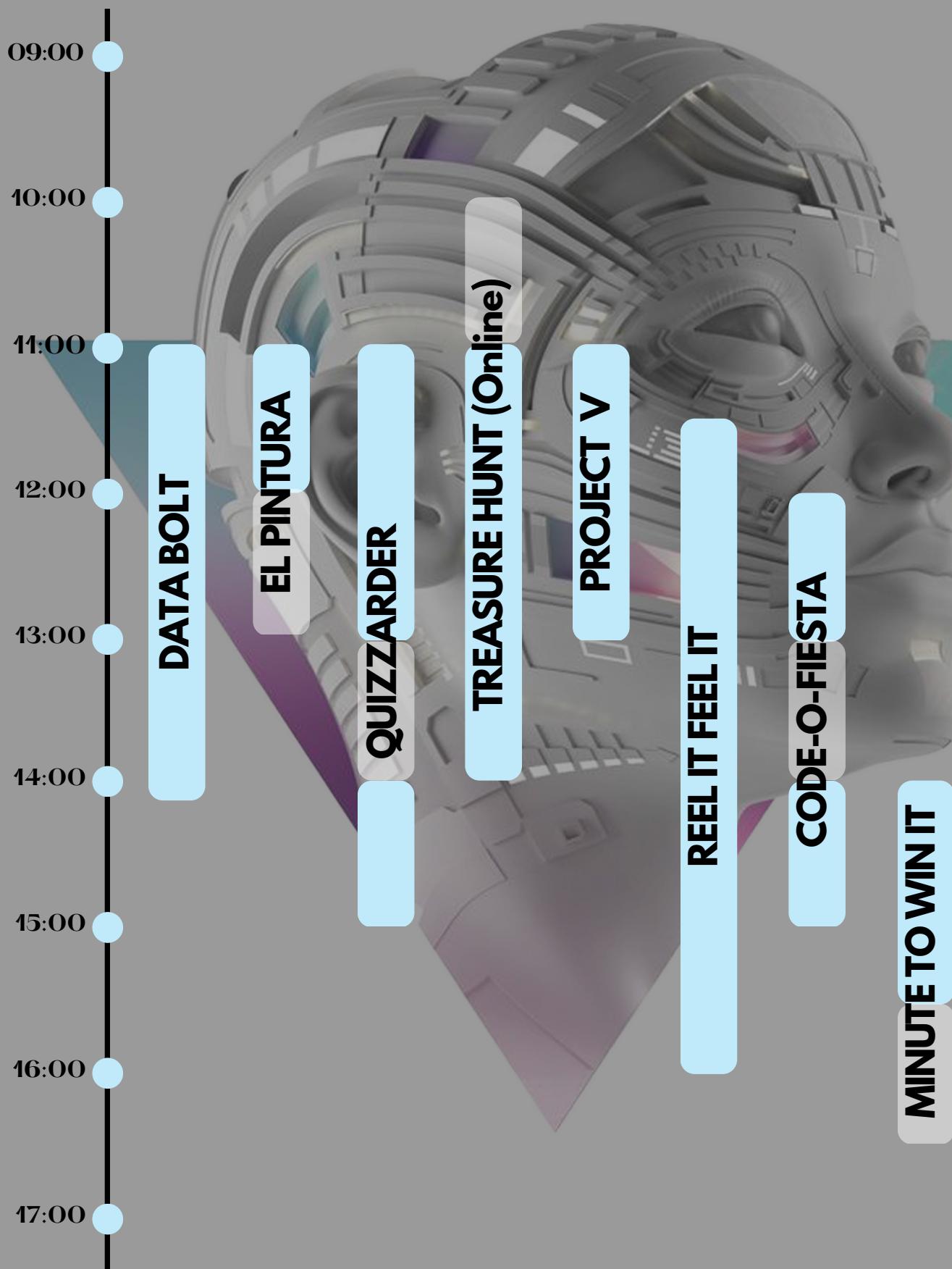
Raj Kumar Sah

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# EVENT SCHEDULE

## 20th January 2023



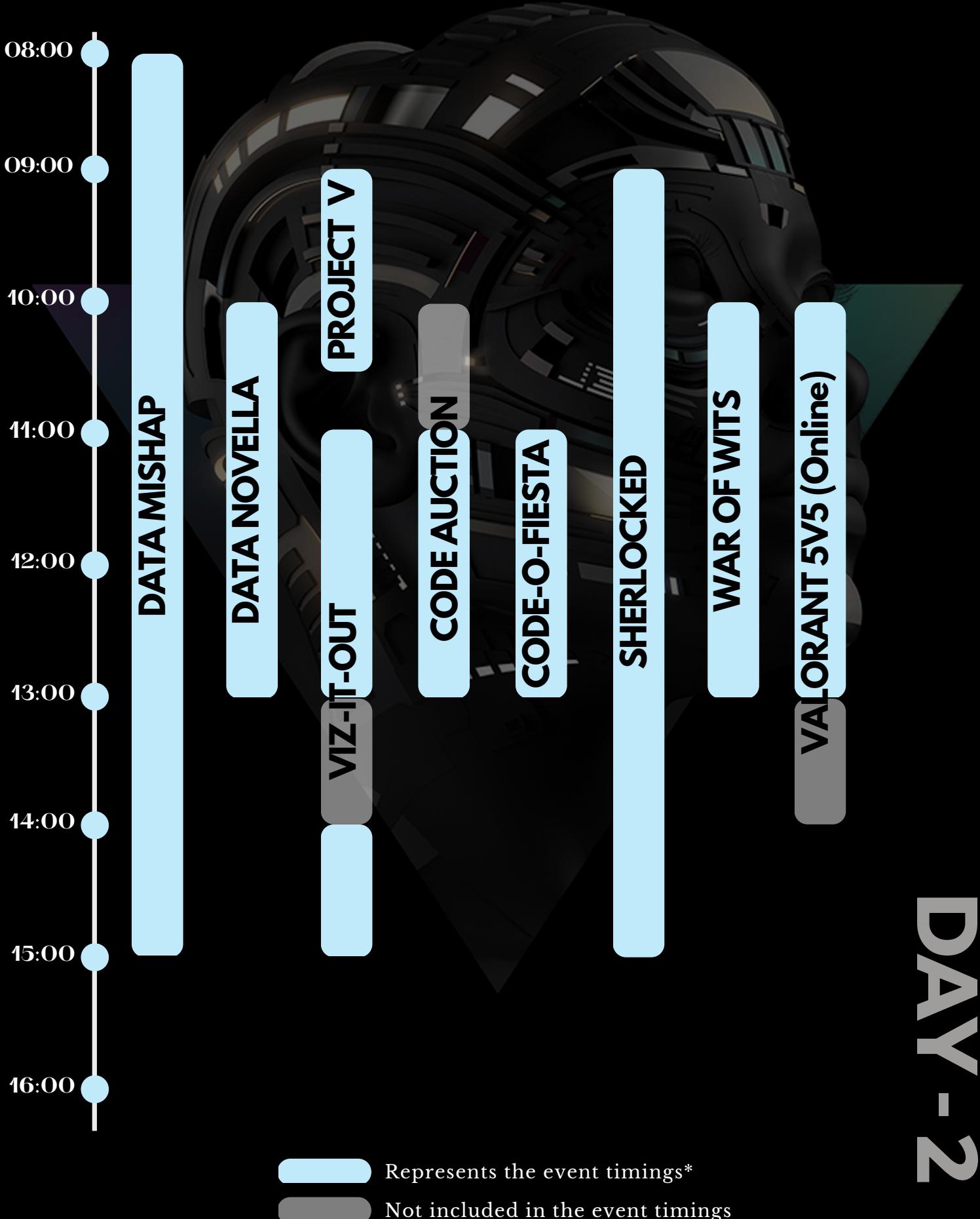
Represents the event timings\*

Not included in the event timings

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# EVENT SCHEDULE

## 21st January 2023



# GENERAL GUIDELINES

- Any student pursuing a postgraduate degree in Statistics, Data Science, Mathematics, Computer Science can participate.
- All participants are requested to get a permission letter from their respective institutions and ID cards to participate in the event.
- Participants are requested to register beforehand.
- Participating teams/participants may lodge objections on technical matters within 30 minutes of the completion of the event.
- Participants are expected to be in a formal dress code.
- Participants are requested to be present at the venue of their events 15 minutes before the event starts. If eliminated, participants are welcome to participate in other events, keeping the time constraints in mind.
- Participants can participate in more than one event simultaneously, given that they manage their event schedule accordingly.

## CONTACT DETAILS



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