

Bangalore University  
University of Visvesvaraya College of Engineering

K R Circle, Bengaluru - 01



# IMPETUS 23.0

## GREENSHIFT:

Harnessing Sustainability, Fostering Initiatives.

31<sup>st</sup> March & 1<sup>st</sup> April, 2023



**Flagship Events**  
**General Events**  
**Gaming Events**

**31<sup>st</sup> March and 1<sup>st</sup> April**

# FLAGSHIP EVENTS

## 1. Summit

Summit is a student parliament where participants present their ideas and views on a specific topic to the judges and audience present.

**Preliminary round:** Problem statement will be mailed to the participants before the event. Participants need to present the solution in the form of presentation to the judges, where in participants will be shortlisted for next round.

**Panel discussion:** Panelists from different backgrounds will discuss about the theme and related topics. A moderator will be present to convey questions from audience to the panelists.

**Round 1:** The problem statement will be provided prior to the competition for which the participants need to submit the solution in the form of a presentation.

**Round 2:** The problem statement will be provided on spot by the judges and participants have to present their ideas with or without a presentation.

Ticket price : ₹ 50 per person

Cash prize : upto ₹ 6,000

Team size : 2-3

Date : 31<sup>st</sup> March, 2023

Mode : Online

Contact:

Kavya V : +91 91484 58985

Nikitha Shekhar : +91 89009 35036

Twinkle Sharma : +91 80736 93416

Shrinidhi : +91 6363 404 205

## 2. Mock Placements (Intra College Only)

Ready to get the experience of how the placements actually take place? Ready to cross the barriers of each placement levels? Mock placement is a replication of the actual placement drive. It provides a vital opportunity for job seekers to test their skills in reality and enhance further.

**Round 1:** This round comprises of aptitude and coding round for IT sector and only aptitude and core related questions for core sectors.

**Round 2:** Shortlisted students will be entitled for a group discussion.

**Round 3:** In this round the further shortlisted student will then be subjected to interview and personal assessment by professionals of the respective sector.

Ticket price : ₹ 50 per person

Cash prize : upto ₹ 9,000

Team size : 1

Date : 31<sup>st</sup> March, 2023

Mode : Offline

Contact:

Chethana G : +91 70223 54250

Girish Bharadwaj : +91 74065 43569

Sreedevi Shine : +91 91139 28502

Uma Maheshwari : +91 95132 44413

## 3. Civicture

Civicture is a flagship event conducted during IMPETUS. It is a two rounds event, where participants will deal with real life problem.

**Round 1:** Participants will be given a map of certain location, they are supposed to form a pipe line structure from Water Reservoir to OHT (Over Head Tank). Participants are free to choose their path for connection.

Best routes will be selected and qualified for second round.

**Round 2:** Based on the round 1 input, the participants are required to give the exact specification and requirements of the pipeline needed for that connections they made on the map. Until they are qualified they won't be knowing that the path they need to give the dimensions and specifications are same as that of the route they planned in first round.

Ticket price : ₹ 50 per person

Cash prize : upto ₹ 6,000

Team size : 3-4

Date : 31<sup>st</sup> March, 2023

Mode : Online

Contact:

Lasya Priya : +91 63630 72109

Prajwal Kasturi : +91 63631 32547

Chirag Bharti : +91 70197 76699

Swapna P Hiremath : +91 63600 66916

## 4. Codestorm

Codestorm is a competitive programming event where your coding skills will be tested by providing problems which requires you to apply brainstorming logic and ideas to solve the problems.

**Round 1:** The 1st round consists of 5 questions and will be conducted on the HackerRank platform. This round will test your knowledge, skills in problem solving and will make you think out of the box.

**Round 2:** This round consists of a fun and simple optimisation problem where the points are allotted based on the degree of optimisation. It is generally a min-max type of problem where you need to maximize the answer.

Ticket price : ₹ 50 per person

Cash prize : upto ₹ 6,000

Team size : 1-3

Date : 31<sup>st</sup> March, 2023

Mode : Online

Contact:

Girish Bharadwaj : +91 74065 43569

Samyuktha Sridhar : +91 91085 62257

Shamanth G M : +91 82173 43931

Vishal Vinay Ram : +91 78923 78237

## 5. Hack-A-Maze

Hack-A-Maze is a Flagship event where bots made by participants compete with each other by solving mazes. And the quickest bot to solve the maze is considered the winner.

**Round 1:** Every participating team should come up with their bots. Working of the bot is checked by passing it through a simple maze. 10 minutes are given for each bot. Completion of the round and time taken are considered. Top 5 teams are selected for the next round.

**Round 2:** The bots should go through a complex maze. 20 minutes are given to solve the maze. The bot which took the minimum time will be considered as the winner.

Ticket price : ₹ 50 per person

Cash prize : upto ₹ 6,000

Team size : 1-3

Date : 31<sup>st</sup> March, 2023

Mode : Offline

Contact:

Chidambara R Nadig : +91 94830 99572

Siddharth Kharvi : +91 93538 63728

Sumukh Bhat : +91 99163 63431

## 6. Mechronins

An Innovative mechanical based event consisting of fun yet informative rounds.

**Round 1:** Round 1 is split up into two parts.

**Part 1 - Jigsaw:** It's an online puzzle where images are randomly arranged and participants have to solve the puzzle to move to the next part.

**Part 2 - Make it or Break it:** A needle and a workpiece will be given and participants have to carve out their models.

**Round 2 - Machine Run:** First hint will be provided. Tracks of fun filled clues will be presented. Each team should solve one clue to move to another.

**Round 3 - This or That:** Qualified teams will be given with 2 sets of problem statements. Participants should come up with innovative solution and present it.

**Note:** Participants should choose any one problem statement and present it.

Ticket price : ₹ 50 per person

Cash prize : upto ₹ 6,000

Team size : 3-4

Date : 31<sup>st</sup> March, 2023

Mode : Offline

Contact:

Sudharshan K : +91 70226 05503

Mohammed Saad : +91 74063 81301

Sai Krishna S J : +91 88619 16983

## 7. Silic-0-Hack

A virtual hardware hackathon that uses simulation software and requires you to use an original strategy to solve a real-world problem statement within a set amount of time.

**Round 1:** For a given problem statement, participants must develop a practical simulation model. The participants must develop workable electronic solutions to the problem statement, which is founded on a real-world application. The submissions will be evaluated and the best teams will be selected for the next round.

**Round 2:** Competent teams must explain their answer to the judges and defend their strategy.

Ticket price : ₹ 50 per person

Cash prize : upto ₹ 6,000

Team size : 1-4

Date : 31<sup>st</sup> March, 2023

Mode : Hybrid

Contact:

Siddharth Kharvi : +91 9353863728

Chyavan Hegde : +91 8431736734

M Medha : +91 78290 07809

# GENERAL EVENTS

## 1. Aranyani

At its heart, ARANYANI is a celebration of the beauty and power of nature, and a call to action to protect and preserve our planet for generations to come. With a blend of innovation and logic, this event is poised to tackle and give challenges and is awaited to receive creative ideas.

From towering treehouses to intricate bamboo structures, Aranyani is a testament to the power of human imagination and the limitless possibilities of construction.

**Round 1:** Participants will be provided an article on sustainable building and given certain set of questions based on the article.

**Round 2:** The qualified participants are to construct a structure from scratch for the given theme using the provided materials with zero wastage.

Ticket price : ₹ 30 per person

Cash prize : upto ₹ 4,000

Team size : 1-3

Date : 31<sup>st</sup> March, 2023

Mode : Offline

Contact:

Anjana U Ajjanna : +91 81473 88603

Harshitha K A : +91 81978 50509

Shravya J C : +91 80732 06207

## 2. AR Wizards - "The Magic of Virtuality"

Participants will be challenged to showcase their coding and problem-solving skills through an augmented reality challenge in this **one-round** event.

The goal is to track specific images and objects using AR technology that will reveal a 3D model with a unique number. This unique number will serve as a file password, which, when entered correctly, will give participants access to a file containing broken code in both C++ and Java programming languages.

Participants will work together in teams to combine the code and fix the errors to create a functional program. The program will then be tested on given inputs.

**Note:** At least one person in each team should have a device compatible with "Google Play Services for AR".

Ticket price : ₹ 30 per person

Cash prize : upto ₹ 4,000

Team size : 2-4

Date : 31<sup>st</sup> March, 2023

Mode : Offline

Contact:

Jagnath Reddy : +91 99459 57453

Sujay Vikram : +91 86182 39664

Mohammed Hamza : +91 91413 94951

### 3. de!Bug Fever

de!Bug Fever is structured to make existing circuits more efficient by debugging and finding errors, and coming up with solutions to address issues in circuits. The event consists of two rounds.

**Round 1 - Problem Solving** : It will require contestants to modify a circuit by making necessary changes and describing its functionality. With riddles to guide them, participants will have to decode the solutions. Teams that make the cut, move on to the next round.

**Round 2 - Circuit Debugging** : It includes two questions that will require participants to debug errors in a circuit and rig up a new circuit to get the desired output using the given simulator.

Ticket price : ₹ 30 per person

Cash prize : upto ₹ 4,000

Team size : 1-3

Date : 31<sup>st</sup> March, 2023

Mode : Offline

Contact:

Bhavid A : +91 89517 46127

Samuel Noel : +91 89708 74168

S Krishnamurthy : +91 89042 14129

### 4. Clash of Code

Clash of Code is the ultimate coding competition where you can showcase your skills and compete against other talented coders.

**Round 1:** Participants will have to put their problem-solving skills to the test with reverse coding challenges. You'll need to analyze a given output and use your coding prowess to figure out the code that generated it.

**Round 2:** Qualified teams will be given problem statements and they have to come up with a logical coding solution to solve the problems , this is an on stage competitive coding round.

Ticket price : ₹ 30 per person

Cash prize : upto ₹ 4,000

Team size : 1-2

Date : 31<sup>st</sup> March, 2023

Mode : Offline

Contact:

Ankur Singh : +91 88926 02740

Supreet Joshi : +91 89705 89528

Hansif : +91 95138 73036



## 5. Escape the Crash

Escape the Crash is a fun event, designed to test the problem solving and critical thinking skills of the participants. Along the way, it promises to give the participants a brand new perspective on the concept of sustainability.

**Round 1 - The Enigma Chamber(Online escape room)** : In this round, the participants will be trapped in a virtual room. They will have to solve the riddles to escape the room. The riddles will be based on the theme of IMPETUS 23.0. On their way out, they will have to watch out for traps which can send them back. In this round, only the sharpest minds can escape into round 2.

**Mode** : Online    **Duration** : 1 hour 30 minutes

**Round 2: Green Crash** - In this round, the participants will be given a "Do or die" situation. They will have to come up with the best reasons for them to be saved. The problem will be complex in nature with many elements. The participants will have to see all these elements, their interactions and come up with a solution that works.

**Mode** : Offline    **Duration** : 1 hour 30 minutes    **Venue** : Main Stage

Ticket price : ₹ 30 per person

Cash prize : upto ₹ 4,000

Team size : 3-4

Date : 31<sup>st</sup> March, 2023

Contact:

R Vinaykumar : +91 9019534468

Samarth G Dhage : +91 8296681419

Vishwajithu Wagle : +91 9019947346

## 6. IPL Auction

IPL Auction is an event which is a simulation of the actual auction, where the participants have to build their dream team by buying the players from the given virtual money.

**Round 1** : A Quiz where the participants knowledge about IPL will be tested and top performers will be selected to Round 2.

**Round 2** : There will be a Mini Auction where the participants will be buying IPL players to build a team of 7 with the virtual money they earned in Round 1, Top performers will be selected to the next round.

**Round 3** : Top teams from Round 2 will be eligible for the "Mega Auction", which is Round 3. The team with best players will be declared as the winners.

Ticket price : ₹ 30 per person

Cash prize : upto ₹ 4,000

Team size : 3-4

Date : 31<sup>st</sup> March, 2023

Mode : Offline

Contact:

Sanjay S : +91 79755 17912

Anand K : +91 83108 98365

Pramod S : +91 74110 28823

Tharun Kumar : +91 70260 45474

## 7. TechKnow ಕಾಳಜಿ

IMPETUS 23.0 ಪ್ರಯುಕ್ತ e-ಸಂರಕ್ಷಣೆಯ ಪ್ರಾಮುಖ್ಯತೆಯನ್ನು ಅರಿವು ಮೂಡಿಸುವುದು ನಮ್ಮ ತಂಡದ ಪ್ರಪಥಮ ಗುರಿ.

**Round 1 - ರಹಸ್ಯ :** ಈ ಸುತ್ತಿನಲ್ಲಿ ತಂಡಗಳಿಗೆ ಒಂದು ಸುಳಿವನ್ನು ನೀಡಲಾಗುವುದು. ಆ ಸುಳಿವಿನಿಂದ ತಂಡಗಳು ಅನ್ವೇಷಣೆ ಮಾಡುವುದಾದ ಯು.ವಿ.ಸಿ.ಇ. ಚೇತನ ಮತ್ತು IMPETUS ಇನ್ಸ್ಟಾಗ್ರಾಮ್ ಪುಟಕ್ಕೆ ಹೋಗಿ, ಪ್ರಶ್ನೆಗಳನ್ನು ಹುಡುಕಬೇಕು. ನಂತರ ನಿಗದಿಯಾದ ಸಮಯದಲ್ಲ ಸರಿಯಾದ ಉತ್ತರಗಳನ್ನು ನೀಡಿದ ತಂಡಗಳು ಮುಂದಿನ ಸುತ್ತಿಗೆ ಪ್ರವೇಶಿಸಲಿದ್ದಾರೆ.

**Round 2 - Tech ವಾದ :** ಮೊದಲನೆಯ ಸುತ್ತಿನಲ್ಲಿ ಅತಿ ಶ್ರೀಘ್ರವಾಗಿ ಉತ್ತರವನ್ನು ನೀಡಿದ ತಂಡಗಳಿಗೆ ಈ ಸುತ್ತಿನಲ್ಲಿ ಭಾಗವಹಿಸಲು ಅವಕಾಶ ನೀಡಲಾಗುವುದು. ಈ ಸುತ್ತಿನಲ್ಲಿ ನೈಸರ್ಗಿಕ ಸಂಪನ್ಮೂಲಗಳಿಗೆ ಸಂಬಂಧಿಸಿದ ಸಮಸ್ಯೆಗಳನ್ನು ಕಾಲ್ಪನಿಕ ಕಥೆಯಾಗಿ ಕೊಡಲಾಗುತ್ತದೆ, ಯಾವುದಾದರೂ ಒಂದು ಕಥೆಯನ್ನು ಆಯ್ಕೆ ಮಾಡಿ, ಆ ಕಥೆಯಲ್ಲಿ ಇರುವ ತಾಂತ್ರಿಕ ಸಮಸ್ಯೆಯನ್ನು ಗುರುತಿಸಿ, ಅದಕ್ಕೆ ಸೂಕ್ತವಾದ ಪರಿಹಾರವನ್ನು ನಿಗದಿಯಾದ ಸಮಯದಲ್ಲ ವೇದಿಕೆಯ ಮೇಲೆ ಹೇಳಬೇಕು. ವಿಶಿಷ್ಟವಾದ ಪರಿಹಾರ ಮತ್ತು ಅವರ ಕನ್ನಡದ ಸುಗಮ ಹರಿಯುವಿಕೆಯ ಮೇಲೆ ವಿಜೇತರನ್ನು ಘೋಷಿಸಲಾಗುವುದು.

Ticket price : ₹ 30 per person	Contact:
Cash prize : upto ₹ 4,000	Divyarani G M : +91 8050326845
Team size : 2-3	Deeksha M : +91 9108272656
Date : 31 <sup>st</sup> March, 2023	Vaibhav Burli : +91 9483957433
Mode : Hybrid	

## 8. FireQuest

Qualify and Show us the efficient queries that you can make, based on the given problem statement.

The problem statement given to the participants will be related to IMPETUS 23.0 theme GREENSHIFT - Harnessing Sustainability, Fostering Initiatives.

**Round 1 - Scrape-it-up :** Participants will have to scrape the given website to find the questions and then submit the solutions. The questions will be related to the events conducted by Google Developer Students Clubs. The solutions have to be submitted in a Google form.

**Round 2 - Code-with-fire :** The qualified participants will be given a problem statement related to the theme. They will have to build up queries to retrieve the data using Firebase and present the required solution which can be in the form of raw data or integrated with the front end (this will earn you extra points). There are no restrictions on the technology you use for front-end development. Submit the solution through a g-form. Note that the problem statement will be released on spot during the second round of this event.

**Round 3 - Presentation** : Participants have to present their solution and the working of the queries that they have implemented using firebase. They can also present the front end if it is completed and functional. The winners of this event will be decided accordingly.

**Ticket price** : ₹ 30 per person

**Cash prize** : upto ₹ 4,000

**Team size** : 2-4

**Date** : 31<sup>st</sup> March, 2023

**Mode** : Hybrid

**Contact:**

**Shashank T S** : +91 9844539864

**Pradeep A** : +91 72046 90840

**Sandeep Rao** : +91 86607 81172

## ALL-IN-ONE PASS

IMPETUS 23.0 is an Annual National Level Technical Extravaganza, scheduled to happen on the 31st March and 1st April 2023. Get ready to experience the legacy of 22 years as the IEEE UVCE Student Branch presents the fest IMPETUS 23.0 in hybrid mode. This year's event promises to be even more thrilling than before, with a wide range of activities and competitions to participate in. And the best part? With All-in-One pass one is eligible to join any event of IMPETUS 23.0. So, come and redeem your pass to unlock the full potential of this amazing fest.

**Ticket prize** : ₹ 150 per person

**Contact:**

**Abhijith Kini** : +91 74835 79659

**Nagateja G S** : +91 63627 76319

**Sandhya K Sharma** : +91 72594 25734

**Manjesh Patil** : +91 91136 93228

# GAMING EVENTS

## 1. Call of Duty Mobile

COD Mobile is a multiplayer shooting game where it consist of different modes in which the battle royal is the most popular one. Participants will be playing against each other where they will be awarded for the kills as well as placements.

**Map: "Isolated"**

**Round 1 - Elimination Round** : Total teams will be divided into separate groups. Each group will play 2 Battle Royal matches. Top 5 teams will qualify for Final round.

Date: 28<sup>th</sup> March, 2023

**Round 2 - Final Round** : The qualified teams will play 3 Battle Royale matches. Winners and Runners will be decided by points.

Date: 29<sup>th</sup> March, 2023

**Point System** : One point for every kill secured by team. Better the position, better the position points.

Ticket price : ₹ 50 per person

Cash prize : upto ₹ 3,000

Team size : 4

Date : 28<sup>th</sup> & 29<sup>th</sup> March, 2023

Mode : Online

Contact:

Harshith Reddy M : +91 70193 09381

M Jayanth : +91 84319 35407

Vivek H A : +91 96061 66215

## 2. Checkmania

Checkmania is a fun and competitive online chess tournament being conducted for IMPETUS 23.0. Anyone can participate in this tournament. To win this tournament however, only knowledge of chess isn't enough. One has to have an eye for patterns and should also be able to make the right decisions at the right time.

**Round 1 - Scotch game Swiss tournament** : In this round, the opening position of the Scotch game, made popular by the chess legend, Garry Kasparov will be given to the participants. They have to play from that position as a normal chess game. This tournament will have 7 rounds. The top 50% of the players will qualify for the next round.

**Duration** : 1 hour 30 minutes

**Time control** : 3+2 minutes

**Round 2 - Chess960 arena** : The qualified participants will play their next round of games in chess960 format. Here, only the best can win. Berserk is allowed. In this round, participants have to score arena points. The one with the highest number of points will be the winner.

**Duration** : 1 hour 30 minutes

**Time control** : 5+0 minutes

Ticket price : ₹ 50 per person

Cash prize : upto ₹ 3,000

Team size : 1

Date : 28<sup>th</sup> March, 2023

Mode : Online

Contact:

Darshan J : +91 87625 63123

G Vaasudeva : +91 85000 71568

R Vinaykumar : +91 90195 34468

## 3. Valorant

It's is a team-based FPS game. Team coordination and unique abilities of agents can lead your team to victory. Gather your squad summon your courage and get ready for the ultimate adrenaline rush - **Valorant Event!**

- Teams will be reduced to 16 through Swiftplay.
- Later teams will play Competitive to eliminate other teams until final.
- Tournament will be Single Elimination with Bo1 Format.
- Final and semifinal will be a Bo3.

Ticket price : ₹ 50 per person

Cash prize : upto ₹ 3,000

Team size : 5

Date : 28<sup>th</sup> March to 1<sup>st</sup> April, 2023

Mode : Online

Contact:

Prajwal G : +91 87629 75452

Sujay Bhat : +91 77950 22740

Nidarshan : +91 99002 05481

# LASER TAG

IMPETUS 23.0 presents ultimate FUN, at the laser tag event you'll be equipped with high-tech infrared-emitting guns to shoot on the vests worn by their opponents. The guns and vests have sensors that detect hits and keep scores electronically, and around you is an immersive arena with opponent teams, obstacles and barriers.

You'll need to use your wits, speed, and accuracy to outsmart your opponents and emerge victorious.

Laser tag is perfect for anyone looking for a fun and exciting way to bond with their classmates, de-stress from college work, or just have a blast with friends. Don't miss out on this unforgettable experience!

**Ticket price** : ₹ 100 per person

**Date** : 31<sup>st</sup> March, 2023

**Mode** : Offline

## Contact:

Lokesh Jaidev : +91 79759 84335

Sahana V Kumar : +91 96112 76185

Kartikeya Saini : +91 63600 06359

# RC Battle

Get ready for a high-speed adventure at our RC race! This event features remote-controlled cars that will race through challenging tracks and obstacles. Whether you're a seasoned RC racer or a beginner, this event is perfect for all skill levels. With multiple categories to compete in, including speed, agility, and endurance, you'll have plenty of chances to show off your driving skills and compete for prizes. So come on down and join the excitement!

Ticket price : ₹ 50 per person

Date : 31<sup>st</sup> March & 1<sup>st</sup> April, 2023

Mode : Offline

## Contact:

Muhammad Affan : +91 93805 24237

Harshith Dev : +91 91083 60748

Yashaswini S : +91 93809 66221

# PS4

Join us for a thrilling PS4 gaming event where gamers can showcase their skills and compete against one another in exciting tournaments. Whether you're a casual or competitive gamer, there's something for everyone. With a variety of games to choose from, including popular titles like Fortnite, Call of Duty, and FIFA, this event promises to be an action-packed experience that you won't want to miss.

Ticket price : ₹ 50 per person

Date : 31<sup>st</sup> March & 1<sup>st</sup> April, 2023

Mode : Offline

## Contact:

Muhammad Affan : +91 93805 24237

Harshith Dev : +91 91083 60748

Yashaswini S : +91 93809 66221

**For further details contact :**

**Mohith Varma V S : +91 97419 36008**

**Kavya Bhat : +91 96113 71838**

**Kruthin N : +91 94485 25174**

**Nilkant Gunjote : +91 76662 38014**

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**To Register for events, visit :**

**[www.impetus23.in](http://www.impetus23.in)**



