

Bangalore University
University Visvesvaraya College of Engineering



K R Circle, Bengaluru - 01

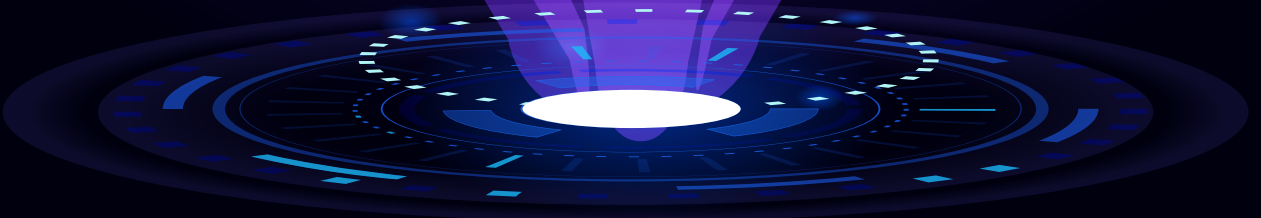


IMPETUS 22.0

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ಇಲಾಭಾಸ ಇಲಾಕೇಷನಲ್ ಇಲಾಕಾರ್ಥಿ

April 29th & 30th 2022



IMPETUS 22.0



making in india
ಸಾಫ್ಟ್‌ವೇರ್ ಭಾರತೀಯ ಭರವಸೆ



Flagship Events

Gaming Events

General Events

FLAGSHIP EVENTS

1. Summit

Summit is an engaging, formal student parliament where participants have to channel their creativity and build the most optimal solution for a humanitarian problem. There will also be a panel discussion on the fest theme and related topics.

Round 1: The problem statement will be sent to participants via email a few days before the event. Participants have to present their solutions to the judges through a PowerPoint presentation. The top teams will be shortlisted for the next round.

Panel Discussion: Panelists across various industries will discuss the fest theme and related topics. A moderator will ask and convey questions from the audience to the panel. It is compulsory for all the shortlisted teams to attend the panel discussion.

Round 2: Participants are given a problem statement by the panelists a few days prior to round 2. They must present the solution through a PowerPoint presentation. The next round's problem statement is revealed at the end.

Ticket Price : ₹ 50 per head

Cash Prize : upto ₹ 5,000

Team Size : 2-3

Date : 24th April 2022

Mode : Offline

Contact :

Anusha L : +91 78994 09807

Kavya V : +91 91484 58985

Sinchana B N : +91 80880 09986

2. Mock Placements (Intra College only)

Ready? Set? Get Hired! Mock Placement is a simulation of an actual placement drive. There are two tracks to cover all Engineering Branches - core and IT. It provides job seekers with an opportunity to practice for an interview and receive feedback on their interview skills.

Ticket Price : ₹ 50 per head

Cash Prize : upto ₹ 9,000

Team Size : 1

Date : 28th April 2022

Mode : Offline

Contact :

Shubham N J : +91 91135 49338

Srinidhi S Prasad : +91 78920 62750

3. Civicture

As a Civil engineer, have you ever thought of planning and constructing a building? If yes, then we have something exciting for you! IEEE UVCE presents Civicture at Impetus 22.0. An event specially for Civil Engineering Students.

Round 1 : A problem statement will be given to participants and they have to submit the required report and project duration for the given problem statement.

Round 2 : For the given problem statement the participants need to submit a plan using any CABD software along with the project cost estimate.

Ticket Price : ₹ 50 per head

Cash Prize : upto ₹ 5,000

Team Size : 3-4

Date : 29th April 2022

Mode : Online

Contact :

Anupama J Achar : +91 97423 99112

Kalyan Kumar : +91 76191 14862

Adarsh Tambake : +91 96868 56686

Prajwal Kasturi : +91 63631 32547

4. Codestorm

An enthralling, twisting competitive programming contest wherein participants are supposed to solve problems using mathematics and DSA.

Round 1 : Participants must solve problems related to math and DSA. 4 problems will be given and they are supposed to be solved within a duration of 3 hours. This round will be conducted on the HackerRank platform.

Round 2 : Qualified teams are invited to take part in the final round. An optimization problem will be given and participants are required to maximize their score. The format of the round will be similar to that of Google Hash Code.

Ticket Price : ₹ 50 per head
Cash Prize : upto ₹ 5,000
Team Size : 1-3
Date : 29th April 2022
Mode : Online

Contact :
Dhruva S : +91 78994 75155
Shrishti Bekal : +91 98803 94465
Girish Bharadwaj : +91 74065 43569

5. Hack-A-Maze

Who are engineers? The one's who solve real world problems using the available technology through innovative approaches. If you're someone who love solving problems, then come build a bot that solves our maze. You'll have to build a bot adhering to the specifications provided by us. Rig your bots and get through the obstacles! All your electronics and design skills are put to test in this event.

Ticket Price : ₹ 50 per head
Cash Prize : upto ₹ 5,000
Team Size : 1-4
Date : 29th April 2022
Mode : Offline

Contact :
Kalyan K R : +91 70224 22335
Vinutha V : +91 70193 84058
Manjesh Patil : +91 6361 790269

6. Mechronins

Calling all the Mechanical Engineering enthusiasts for three simple fun-filled rounds. Our event consists of puzzles, treasures, creativity, and a whole lot of Mechanical.

Round 1 - Merge Teeth : Participants are required to come to college along with their smartphones. Instructions will be provided to the participants to download a game app. Game rules will be explained and participants have to play it for 10 minutes and clear levels. Then they have to upload their levels cleared in the form of a screenshot through the google form shared. Selection for the next round is done based on the levels cleared.

Round 2 - Machine Run : The first clue will be given. Clues will be framed in a simpler manner such that anyone can answer irrespective of their branch and year. Teams can also make use of the internet to find the clues and they must clear all clues and reach the final clue. Teams that finish the hunt fast will qualify for the final round.

Round 3 – Innovation Design : In this round, four question papers will be prepared. Question paper is distributed through the spin the wheel concept. Each question paper consists of two parts– A and B.

Part A: One application question where they need to find the solution and make a design and present it the next day.

Part B: Two direct questions.

Note: Participants should answer one full question.

Ticket Price : ₹ 50 per head

Cash Prize : upto ₹ 5,000

Team Size : 3-4

Date : 29th April 2022

Mode : Offline

Contact :

Kishan S T : +91 97409 71256

Sachin S L : +91 85508 10097

Deepak T : +91 97418 90874

Lokesh : +91 79759 84335

7. Silic-O-Hack

A virtual hardware hackathon using simulation software that requires you to solve a real-world problem statement. Let's tinker your senses!

Round 1: Participants must come up with a working simulation model for a given problem statement. The problem statement will be based on a real-world application to which the participants must build practical electronic solutions. Time duration of 4 hours will be given to build the circuit and the submissions will be recorded via Google forms.

The submissions will be evaluated and the top teams will be selected for the next round.

Round 2 : Qualified teams have to present their solution to the judges and justify their approach.

Ticket Price : ₹ 50 per head

Cash Prize : upto ₹ 5,000

Team Size : 1-4

Date : 29th April 2022

Mode : Online

Contact :

Abhay J Kulkarni : +91 99013 98516

Anusha L : +91 78994 09807

Shrinidhi P : +91 88671 90078

Sanjeeva Samprati : +91 94820 51338

GENERAL EVENTS

1. aNFTeam

Round 1 : Brief introduction about NFT and how to design NFT will be explained. Then a topic for NFTs will be assigned. Based on the theme, each team should create as many NFTs as possible within 1 hour and then set a price for each NFT. The price set cannot be changed, the maximum amount of one NFT is 100rs. The participants should bring their own laptops (each team should carry at least 1 laptop).

Round 2 : Each team will be given a chance to present their NFTs to the judges. Then the participants will be scrutinized and selected for the final round based on their uniqueness and creativity.

Round 3 : Here the participants should exchange their NFTs for any utilities/money within the campus in 1 hour. Winner will be declared based on the highest number of points and also the least difference between the quoted value and the selling price.

Ticket Price : ₹ 30 per head

Cash Prize : upto ₹ 3,000

Team Size : 2-4

Date : 29th April 2022

Mode : Offline

Contact :

Anil G Pai : +91 82965 43802

Chidananda B S : +91 90357 02323

Syed Luqman: : +91 99860 42358

2. IPL Auction

Round 1- Quiz: It tests your knowledge about IPL and will have around 30 questions that have to be answered within a time limit of 15 minutes.

The top 18 teams will qualify for round 2.

Round 2 - Mini Auction : It will be a mini-auction round (similar to the real IPL auction where you need to bid for players). All the teams will be given an amount of ₹45 crores in which each team must build a cricket team of 7 players (2 batsmen, 2 bowlers, 2 all-rounders, 1 wk) and each player will be given a certain amount of points. The 18 teams qualified from round 1 will be divided into 3 groups and each group will have 6 teams. After bidding, the top 2 teams from each group with the highest points gained from players in total will be qualified for round 3.

If there is a clash between the teams then the team with the maximum amount remaining will be qualified for round 3.

Round 03 – Mega Auction : The 6 teams (2+2+2) qualified from round 2 should again build a team of 7 players. The top 2 teams will be decided as winners and runners based on the same criteria as round 2.

Ticket Price : ₹ 30 per head
Cash Prize : upto ₹ 3,000
Team Size : 3-4
Date : 29th April 2022
Mode : Offline

Contact :
Lohith : +91 97416 13815
Manoj : +91 97315 24549
Nanje Gowda : +91 93537 11969
Puneeth : +91 84978 12225
Vinay : +91 63625 41870

3. INNOVIX

Round 1 : Two teams with two members each will be grouped together and will be given a problem statement and a time limit of 20 minutes. Within this time each team has to come up with a business model to tackle the problem statement, keeping in mind the theme of IMPETUS 22.0, Making in India. The teams then have to present their business model to each other. Then the teams in the group, (say team A and team B) team A will point the cons in the business idea of team B while team B has to come up with an approach to overcome the cons. Similarly, team B will point the cons in the business idea of team A while team A has to come up with solutions to overcome the cons. Points will be awarded on the basis of how legible and simple their presentation is, how executable their business idea is and how relevant it is from India's point of view. Top teams will be selected for round 2.

Round 2 : In this round, participants have to select a domain from a number of given domains and have to come up with their own startup idea, and present it to the judges. It will be an interactive session. They also have to raise funds by explaining their marketing strategy to the judges.

Ticket Price : ₹ 30 per head
Cash Prize : upto ₹ 3,000
Team Size : 1-3
Date : 29th April 2022
Mode : Online

Contact :
Akhilesh B R : +91 80731 88710
Adarsh : +91 94835 03775
Arun N : +91 78998 56487
D K Chetan : +91 70220 98756
Janya : +91 93538 15385
Riyaz : +91 72598 22208

4. ಕನ್ನಡಿ

Round 1 - ನಿಮಗಿದು ಗೊತ್ತೇ : Facts about famous CEOs and start-up companies based in Karnataka will be given in Kannada. Participants have to guess as many names as they can within a limited time. Teams with quicker submissions and maximum correct answers will be qualified to the next round.

Round 2 - Start ಮಾಡಿ : Qualified teams should now form a company. They should come up with a unique product and brand it with a Kannada name. All the teams should give detailed descriptions in Kannada about how the product can solve major problems of Karnataka and contribute to the Make in India concept. Winners will be announced based on the uniqueness of the product, its contribution to Karnataka and fluency in presentation.

Ticket Price : ₹ 30 per head

Cash Prize : upto ₹ 3,000

Team Size : 3-4

Date : 30th April 2022

Mode : Online

Contact :

Koti D T : +91 87926 63929

Sanjana Rao : +91 78927 55482

Seema S : +91 63614 85859

5. RADIO SCAVENGERS

Introduction Round : This is an introduction event hosted online to provide an introduction and basic knowledge on antenna theory and its working and all the teams are required to attend this event. The introduction takes approximately 30 mins which includes video, PDF and interactive lecture. The teams should come prepared and get ready with concepts prior to attending the event as it will be useful in solving MCQs and in designing the antenna.

Round 1 - Theory Assessment : This round consists of multiple choice questions hosted online and the teams are shortlisted based on their scores and time taken to solve the questions. Teams can use calculators, internet and any other tools to solve multiple choice questions as they are based on aptitude and application level. The questions asked will be from the material provided and the contents covered in the introduction session.

Round 2 - Antenna Building: This round includes designing the antenna in a paper and building it using materials provided. The specifications, requirements and parameters of the antenna are provided and the antenna should follow the given criteria. After designing and building the antenna, the range test is done with the help of a radio transmitter and receiver. The range of the antenna is noted and further shortlisting is done on the basis of the range of the antenna and time taken by the teams to build and design the antenna. The time limit to design and build the antenna is 20 minutes and an additional 10 minutes is taken to test the range of the antenna.

Round 3 - Scavenger : In this round, the teams have to search for a hidden transmitter on campus with help of the receiver and the antenna designed by them. The antenna used in this round should be the one designed in round 2, no change of antenna is allowed. The transmitter is hidden on campus. The teams should locate the transmitter hidden. They should find the exact spot or signal being received by the receiver. Winner will be decided on the basis of the number of transmitters found and time taken to find the transmitter.

Ticket Price : ₹ 30 per head

Contact :

Cash Prize : upto ₹ 3,000

Ramya K J : +91 80881 65364

Team Size : 2-3

Siddharth Kharvi : +91 93538 63728

Date : 30th April 2022

Mode : Offline

6. SAIL OVER THE SEA

The event is based on ship blueprint analysis and prototyping. The event consists of 3 rounds and is framed such that irrespective of branch and year students can participate. There will be elimination in each round.

Round 1: Initially, a presentation will be given on ship construction and its working principles. Then a quiz will be conducted through google forms. Questions will be based on the presentation done earlier.

Round 2: In this round, the participants will be taught how to prototype a sailing ship. A material kit will be provided to the participants to prototype a ship that was taught earlier.

Round 3: In this round, the participants have to prototype a sailing ship by themselves based on the provided blueprint, and also a material kit will be provided to prototype a ship. Model will be showcased for your reference.

Ticket Price : ₹ 30 per head
Cash Prize : upto ₹ 3,000
Team Size : 2-3
Date : 29th April 2022
Mode : Offline

Contact :
Amul S Malage : +91 77954 50428
Kishan D : +91 91645 63417
Pradeep D : +91 63611 69053

7. THE MECHANIX

Round 1 - Pictorial Quizzes : The quiz will be framed based on pictorial technical questions. It's conducted through Google Forms.

Round 2: This round is subdivided into Part A and Part B. The shortlisted teams will be divided such that 50% will attain part A and another 50% will attain part B. Both Part A & Part B are held simultaneously.

Part A - In this part, the participants will be given physical components of an assembly. They should analyze the drawing and based on the drawing they should assemble components manually.

Part B - In this part, the participants will be given a topic related to the mechanical domain on which they have to prepare a brief note and present it to the judge. Participants can make use of Google for better results.

Ticket Price : ₹ 30 per head
Cash Prize : upto ₹ 3,000
Team Size : 2-3
Date : 29th April 2022
Mode : Offline

Contact :
Sachin S L : +91 85508 10097
Venkatesh T S : +91 91488 85988
Vinodh R : +91 83173 99214

8. Web-Quest

Round 1: The webpage consisting of HTML and CSS will be given to the participants. The webpage will be mainly on the 'Make in India' sectors. It consists of contents being wrongly/inappropriately arranged. The HTML page will have plenty of selectors out of which few are unwanted. The CSS section will have styling with default and unnecessary values without which the webpage works. The main task of the participants to excel in this round is by fixing the wrongly aligned contents, reducing the number of selectors used in HTML as much as possible, and also removing the default styling. The changes have to be done in such a way that the contents and the styling of the webpage remain the same.

Round 2: The participants are given a problem statement that requires them to build a website on the given Make In India theme. The website should be built using HTML, CSS, Javascript, and Bootstrap (if necessary). The winners of the event will be decided accordingly. The problem statement will be released on-spot during the 2nd round of the event.

Ticket Price : ₹ 30 per head

Cash Prize : upto ₹ 3,000

Team Size : 1-3

Date : 29th April 2022

Mode : Online

Contact :

Akhila U Hegde : +91 91483 53900

N V Dixitha Reddy : +91 76750 38709

Sandhya B : +91 99863 51788

ALL-IN-ONE PASS

IMPETUS 22.0 is a National Level Technical Extravaganza, happening on the 29th and 30th of April 2022. With a legacy of 21 years, this is the first fest being organized in hybrid mode by the IEEE UVCE Student Branch.

By using the All in one pass, any person meeting the criteria of a participant and holding this pass is eligible to participate in any event of IMPETUS 22.0. The pass can be redeemed for all the events.

Valid Upto :

Date : 30th April 2022

Time : 8:00 PM

Ticket Price : ₹ 150 per head

Contact :

Mohith Varma V S : +91 97419 36008

Kavya Bhat : +91 96113 71838

Kruthin N : +91 94485 25174

Nilkant Gunjote : +91 76662 38014

GAMING EVENTS

1. Valorant

It is a competitive-style tournament with a single elimination bracket. 5 vs 5 character-based Tactical FPS. Do you have what it takes to defy the limits?

Ticket Price : ₹ 50 per head

Cash Prize : upto ₹ 5,000

Team Size : 5

Date : 28th April 2022

Mode : Online

Contact :

Somsiddesh : +91 63610 14363

Srinidhi S Prasad : +91 78920 62750

Sai Shravan : +91 93164 87399

2. Battlegrounds Mobile India

Each team will be playing a Classic Erangle match and winners will be qualified for a TDM match. The team that wins the TDM will be declared as winners.

Ticket Price : ₹ 50 per head

Cash Prize : upto ₹ 5,000

Team Size : 4

Date : 29th April 2022

Mode : Online

Contact :

Nilkant Gunjote : +91 76662 38014

Manjesh Patil : +91 63617 90269

Nagateja G S : +91 63627 76319

3. Chess

The pawns are in play and the blunders are on the board. Ignite your grey cells, or should we say black and white cells? Doesn't matter if you're a Rookie, join us for the game of Chess!

Ticket Price : ₹ 30 per head

Cash Prize : upto ₹ 2,000

Team Size : 1

Date : 29th April 2022

Mode : Online

Contact :

Darshan J : +91 87625 63123

LAZER TAG

Laser tag is a shooting game where participants use lazer guns to tag their target. Participants will be given lazer guns and photosensitive jackets. When the lazer hits the jacket, it changes colour. The team that survives is the winner.

Ticket Price : ₹ 80 per head

Team Size : 4

Date : 29th & 30th April 2022

Mode : Offline

Contact :

Abhay Kulkarni : +91 99013 98516

Karthik K S : +91 88840 80634

Nilkant Gunjote : +91 76662 38014

**Lazer Tag, V R
and many more
fun arenas!**

IMPETUS 22.0 SCHEDULE

[illegible]

For further details contact :

Pruthvi Raj R : +91 93802 38725

Sanketh R P : +91 96116 50218

f impetusuvce

@ impetusuvce

✉ impetus.ieeeuvce@gmail.com

To register for events, visit :
www.impetus22.in

