



# IMPETUS 20.0

RETRO REWIND : THE PAST THAT NEVER WAS



# FLAGSHIP EVENTS

## 1. Hack-a-Maze

Your bot - it felt trapped between the tall walls. But it knows one finds a path if one seeks. For only a few minutes left to escape, will you help it Hack-a-Maze?

The rules for this maze-solver robot contest will be available on the website. Hack-a-Maze?

Team size: 3-4

Price : Rs. 50 per person

Cash Prize : Upto 11,000/-

Date : 4<sup>th</sup> April 2020

Contact :

Pruthvi : +91 93802 38725

Ajantha : +91 94830 96270

Varsha : +91 73488 20348

## 2. Silic-o-Hack

A hardware hackathon where participating teams are given a problem statement and are expected to come up with an innovative solution to solve that problem. This is an eight-hour hacking competition followed by a showdown. During the showdown, the solutions are judged based on various criteria like innovation, presentation skills, efficiency, etc. The team which fulfills the given criteria with most points is declared the winner.

Team size: 3-4

Price : Rs. 50 per person

Cash Prize : Upto 11,000/-

Date : 4<sup>th</sup> April 2020

Contact :

Sneha : +91 99457 04459

Sunkeerth : +91 86608 28013

Venkatesh : +91 94821 67821

## 3. Summit

Summit is a Student Parliament where students present their ideas and views on a current problem to the judges and audience. The Student Parliament will take place in two rounds. The first round will be the presentation of the solution for the problem statement provided prior to the competition. The second round comprises of a problem statement which will be given on spot. A time period of 15 minutes will then be allotted to come up with a real-time solution for the problem. The judgement would be based on novelty and validity of the solution. Preceding the student parliament, would be a panel discussion to give a bigger picture to the students on the topic from the panelists' point of view. This panel discussion would be a traditional one with one moderator posing questions to each of the panelists, followed by an interactive Q&A from the students.

Team size: 1-3

Price : Rs. 50 per person

Cash Prize : Upto 8,000/-

Date : 4<sup>th</sup> April 2020

Contact :

Mahima : +91 8310 216931

Supriya : +91 9148 674194

## 4. Mechronins

Mechronins is a technical event which tests your knowledge on mechanical and dynamic aspects of automobiles. It also tests your ability to respond to a problem statement by implementing solutions to address problems in the automobile world.

Team size: 2-3

Price : Rs. 50 per person

Cash Prize : Upto 8,000/-

Date : 3<sup>rd</sup> April 2020

Contact :

Harish : +91 99160 78174

Vinay : +91 82963 38415

## 5. Codestorm

It provides a great platform to put your coding skills to the test. The event requires the participants to solve a given number of coding questions in a specified amount of time.

The event consists of 2 rounds:

Round 1:

Each team will be given a set of questions and the participants need to finish these within a specified time and the top 10 teams of round 1 will be eligible for the next round.

Round 2:

In this round each team will be challenged with problems where they need to solve the given competitive programming questions within a specified amount of time. The team with the highest points will be the winner.

Team size: 1-3

Price : Rs. 50 per person

Cash Prize : Upto 11,000/-

Date : 4<sup>th</sup> April 2020

Contact :

Nayana : +91 83107 78782

Nimitha : +91 98861 35919

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## 6. Mock Placement

Mock Placement is an exciting event that comprises of various rounds which aim to test a student's aptitude, communication skills, group discussions skills as well as skills to tackle a personal interview. Are you curious to know about the methodologies of employee recruitment?

Well this event does just that.

This event provides an excellent platform to test your employability skills essential to enter the graduate job market. So, start building your resumes and put your skills to test!

Price : Rs. 50 per person

Cash Prize : Upto 12,000/-

Date : 3<sup>rd</sup> April 2020

Contact:

Sriram : +91 88676 09198

Pooja : +91 70223 87121

# EVENTS

## 1. Enigma

A brainstorming bonanza which will be a test of rapid assessment, technical knowledge, presence of mind, skill and agility! A crossword, a Quizarthon and an auction, all combined into one!

### **Round 1 - THE STOCKWORD:**

The brain-racking opener where contestants are required to solve the crossword given, on retro-tech. This is not your typical crossword. Contestants will have to invest some questions in the stock market, and earn or lose points as they answer correct or wrong. The crossword also provides clues to the next rounds.

### **Round 2 - ENIGMATE:**

Here comes the fun part where contestants must run- a Quizarthon! Each team will be given clues to the next location, where they would find the next question. As they answer, they must collect clues required for the third round and also invest some questions, earning or losing points. The first few teams that finish, progress to the next round.

### **Round 3 - BUILD:**

In this round the team has to build the circuit or execute the program, which is given as the final clue in the 2nd round. They will have to buy time, clues and components required to 'build'. The two best teams will meet at the ultimate showdown.

NOTE: Teams will be given a choice Computer Science or Electronics in the 2nd and 3rd rounds.

Team size: 2- 4

Price : Rs. 30 per person

Cash Prize : Upto 5,000/-

Contact :

Syed : +91 90350 65063

Shriya : +91 86601 98417

Vishak : +91 97396 49822

## 2. Dragon Pit

The first round will be a tech business quiz and the second round will be a robust case study.

**Round 1:** A set of 15 tech business questions will be asked and the top scorers will be qualified to round 2.

**Round 2:** This round will be a robust retro case study. The qualifiers of round 1 will be given with a case and related data. The cases will be related to tech business breakthroughs, disasters, etc. The qualifiers will be provided time to manipulate the data and they have to come up with an explanation or solution..

Team size: 2 - 3

Price : Rs. 30 per person

Cash Prize : Upto 5,000/-

Date : 3<sup>rd</sup> April 2020

Contact :

Dinup DC : +91 99018 94354

Mahesh Reddy : +91 70266 37271

Nagendra : +91 94498 87303

### 3. Dead Man's Chest

**First round:** The participants will be given a set of common clues found in a crime scene like fingerprints, blood samples or DNA. The participants have to analyse these clues without the use of any modern technologies. They can also list the chemicals/procedure that is used in machines to analyse these in modern days.

**Second round:** The participants will be given a set of questions which will lead them to certain points on the paper. They will have to trace out the points on the map of the college which will lead them to a treasure hunt and the final object will serve as one of the important clues for the final round.

**Third round:** The finalists will be welcomed into a live crime scene to examine it and gather evidence for 10 mins. They have to find the killer and reason it out. They will also be tested on how well they handle the crime scene.

Team size: 3 - 4

Price : Rs. 30 per person

Cash Prize : Upto 5,000/-

Date : 3<sup>rd</sup> April 2020

Contact :

Sanketh Rajpatil : +91 9611650218

Swaminathan S : +91 9066625513

Neha H : +91 7349544094

### 4. Buildography

**Preliminary round:** Observe the visuals related to Soil mechanics and Foundation engineering and answer the questions related to the visuals.

**Main round:** Top 6 qualifying teams have to provide a solution for a problem statement on soil mechanics and foundation engineering.

Team size: 2 - 3

Price : Rs. 30 per person

Cash Prize : Upto 5,000/-

Date : 3<sup>rd</sup> April 2020

Contact :

Mohin Khan G A : +91 87928 21209

Sri Ram S : +91 99643 44530

Mohannad Saifulla : +91 80504 08419

## 5. ElectroRun

Electrical and electronics is all about innovation and it's more fun when you learn and build a mini project in a competitive field! So, let's start the adventure in the world of electrical and electronics.

### Round 1: Ex-Quiz me

In round 1, the team needs to answer 30 tricky electrical and electronics based questions. The top teams which scores highest gets selected to the second round and playing a small game fetches them bonus points too!

### Round 2: Battle of POWER

In round 2, the team needs to cross a five-stage battle which is a mixture of electrical and electronics games and in the end collect all the keys by clearing each level. The top teams that clear all the stages in a short period of time gets selected to the third round.

### Round 3: Electro- built

In the first stage of the third round, the teams will be given an incomplete circuit and they are supposed to complete it. Subsequently in the second stage, the team needs to guess and take all the components required to build the circuit and finally in the last stage the circuit should be built.

Team size: 3 - 4

Price : Rs. 30 per person

Cash Prize : Upto 5,000/-

Date : 3<sup>th</sup> April 2020

Contact :

Roopashree B S : +91 9108753409

Arjun Anand : +91 8792269771

Kiran C : +91 6361607267

## 6. Webathon

Web development is a major trend in the field of technology. For all those out there who are full of ideas and keen on implementing their ideas in the form of a website, we present to you Webathon.

The participants will be given Five days time after the problem statement's release, within which they have to come up with the best method to implement the given topic.

Participate and win exciting cash prizes!

Team size: 2- 4

Price : Rs. 30 per person

Cash Prize : Upto 5,000/-

Date : 3<sup>rd</sup> April 2020

Contact :

Charan : +91 90359 58711

Ruchith : +91 96636 53401

Manoj : +91 99807 12884

## 7. Sci ಕನ್ನಡ

### Round 1: TaantrikaNakshe

An outline map of Karnataka will be given, with a few districts labelled for reference. The participant must identify the missing district on the map which can be identified using the technical speciality of that specific district. The top teams which complete the map will be selected for the further rounds.

This is an Elimination round.

### Round 2: Pada Jaala

A jumbled technical Kannada word will be given. The participating team need to rearrange the letters to get the answer. Then they have to search that word in Instagram using hashtag #Scikannada, #Impetus and #answer to get the next clue, such that the participants need to search for 10 words one after the other. At last the participant need to put that answer on their Instagram page on tagging impetus. This is an Elimination round.

### Round 3: Abhiyantara

A problem statement will be given based on Integration of Kannada and technology. The participating team need to give the power point presentation on upholding the solution for the given problem statement. Presentation must be in Kannada.

Team size: 2 - 3

Price : Rs. 30 per person

Cash Prize : Upto 5,000/-

Date : 3<sup>rd</sup> April 2020

Contact :

Vinutha V

: +91 70193 84058

Bharath K

: +91 91139 54320

Shashank K Ravanikar

: +91 90712 95465

## 8. IPL Auction

**Round 1:** The first round will be a multiple choice/one-word answer quiz where participants will have to answer 30 questions related to IPL and cricket within a time period of 10 minutes. The top 8 teams from the first round will qualify for the second round.

**Round 2:** The top 8 teams fight it out in a bidding war to build their teams from the player pool which will be released after the first round. Participants who build the team with combined highest players score wins.

Team size: 3 - 4

Price : Rs. 30 per person

Cash Prize : Upto 5,000/-

Date : 4<sup>th</sup> April 2020

Contact :

Akhil P

: +91 94816 24204

Nishchay

: +91 93797 97967

Supreeth

: +91 89705 89528

## 9. What? When? Why?

What? When? Why? Is an event which includes soft skills like decision making, logical reasoning, group discussion, interviews, etc. which help students improve their technical and soft skills.

### Round 1: Why should we?

In round 1, each team will be provided with a question along with an answer but they need to specify reason Why should we or why we do it. Answer should be based on fact and be realistic, not imaginable. It will be a buzzer round.

### Round 2: When we are?

In round 2, the qualified teams will have a, face to face interview with the judges. Each team will be given a worksheet to solve the problem. Judges specify the problem statement where each team should give an answer to the problem statement along with Mathematically solved proof. Without the proof, any answer provided by the team will not be considered, the top 5 teams will be qualified for next round.

### Round 3: What went wrong?

In round 3, 5 qualified teams will have an open discussion regarding the technological disasters. Teams need to specify what went wrong which led to the cause of disaster. Each team will be given a chance to speak. Before the discussion starts, a video will be displayed which specifies how the disaster was overcome. Points will be scored based on the facts they speak regarding the topic.

Team size: 2 - 3  
Price : Rs. 30 per person  
Cash Prize : Upto 5,000/-  
Date : 3<sup>rd</sup> April 2020

Contact :  
Shubash N A : +91 97314 85948  
Shanmuka M K : +91 81973 08915  
Vinod : +91 86181 36918

## 10. Epsilon

Epsilon is the flagship online treasure hunt. Solving each clue will lead you to the next one, giving the participants 1 point. The highest scorer at the end of the contest shall win exciting goodies. The clues will range from trending topics to general questions to keep the event interesting and there are no branch or year restrictions.

Date: 26<sup>th</sup> March 2020  
Time: 12:00AM  
Cost: Free  
Venue: Online  
Win Exciting Goodies!

Contact:  
Manoj: +91 99807 12884  
Shubham: +91 96636 98860  
Harshita: +91 91138 38314



# GAMING

## 1. Retro Gaming

This stall gives a retro feel where participants can either play snake game on the NOKIA mobile or type on a type writer.

The following games will be included:

1. Super Mario Bros
2. Pac-Man
3. Road rash
4. Street Fight

Price : Rs. 30 per person

Date : 3<sup>rd</sup> - 4<sup>th</sup> April 2020

Contact :

Sandhya J : +91 9686531897

Anam Ali : +91

9535311386

Nivedita Kulkarni : +91 7022242623

## 2. Gaming

We present to you Counter-Strike, Need For Speed and PUBG Mobile. Gear up with your teammates for intense battles in Counter-strike or buckle up for a rough ride in NFS on your own or make your way to the blue circle.

General Terms: Players should bring their own headphones or earphones. Only Standard Keyboard and Mouse are provided.

A bracket will be formed with the winners of the preliminary round and the winner of the tournament is decided. The Tournament Organizers reserves the right to cancel or modify the tournament rules if fraud, technical failures or any other factor beyond reasonable control, impairs the integrity of the tournament.

Game rules (NFS and CS):

1. Team should consist of 5 people, if not we will assign a random teammate on spot if your team is incomplete. This is a 5 vs 5 match.
2. A round ends when a team is eliminated completely or on completion of the given objective.
3. Each round is of 3 minutes.

Game rules (PUBG Mobile):

1. Each team will consist of 4 players where the main objective of every team is to survive till the end.
2. The map for this event will be erangel (classic).

Price : Rs. 30 per person

Cash Prize : Upto 7,000/-

Date :

PUBG Mobile : 3<sup>rd</sup> April 2020

NFS CS : 4<sup>th</sup> April 2020

Contact :

Avinash Upadhyay K R : +91 9481029088

Srihari : +91 8762764282

Rakshith : +91 7975944060

# PITSTALLS

## 1. Retro Pitstall

This stall gives a retro feel where participants can either play snake game on the NOKIA mobile or type on a type writer.

Date : 3<sup>rd</sup> April 2020  
Win Exciting goodies

Contact :  
Harsha R : +91 9113542825  
Kishan ST : +91 9740971256  
Karthik : +91 7899007156

## 2. Arcade Machine

Will be displaying a bartop arcade machine that people can play retro games on. Players will have the choice between all the games available on MAME.

Date : 3<sup>rd</sup> & 4<sup>th</sup> April 2020  
Win Exciting goodies

Contact :  
Vakesan : +91 82771 65320  
Varsha S Bhat : +91 82961 29255

## 3. Virtual Reality

Experience a World never seen before, by diving into the sea of magic and madness of Virtual Reality

Price : Rs. 20 per person  
Date : 3<sup>rd</sup> & 4<sup>th</sup> April 2020

Contact :  
Hamsa : +91 80730 05980

## 4. Cricket Nets

Think you can hit the cover drive better than Virat? Think you can face 135kmph pace? Come find out at the Cricket Nets Arena.

Price : Rs. 20 per person  
Date : 3<sup>rd</sup> & 4<sup>th</sup> April 2020

Contact:  
Vishal : +91 98860 02413

## 5. X-Box

Video games foster the mindset that allows creativity to grow.

Impetus 20.0 calls out to and challenges all Gamers!

Join us on IMPETUS as we come together and battle it out at the Xbox Station. Show us what you've got and put your gaming skills to the test on this special platform.

We look forward to seeing you on the 3rd and 4th of April at the epicentre of the action, thrill, excitement and blossoming creativity, that is the Xbox station.

Price : Rs. 20 per person

Date : 3<sup>rd</sup> & 4<sup>th</sup> April 2020

Contact:

Kennith : +91 94839 51925

## WORKSHOP

### 1. 3D Augmented reality - 3<sup>rd</sup> April 2020

The students get Certificate & Lunch. The workshop will be beginner friendly.

1. Make AR/VR apps on their system and run it on their phone.
2. Make AR objects, games and characters.
3. Design their own augmented world with 3D avatars and capture 3-D image throw video
4. Produce the 3D display on their laptop/desktop and create 3D Augmented Reality Video.

Price : 500 per person

Contact:

Kennith : +91 94839 51925

Vishal : +91 98860 02413

Hamsa : +91 80730 05980

## 2. Internet of Things (IoT) - 4<sup>th</sup> April 2020

The students get take-away kits, Certificate & Lunch. The workshop will be beginner friendly.

1. Introduction to IoT - it's uses and applications.
2. Hands on session using various sensors like IR, proximity, DHT 11 sensor, buzzer and LED controlling and sensors will be provided.
3. Explanation of code for the same will be taught
4. ESP8266 development board a.k.a NODEMCU will be taught.
5. The students will learn how to control IoT through voice commands using Alexa and Google assistant.

Price : 1000 per person

Contact :

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For more further details contact

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