**ADVAITA TECH EVENTS**

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| **EVENT** | **DATES** | **TIME** | **FEES** | **PRICES WORTH** |
| **Technova** | **6th Feb** | **10 AM to 5 PM** | **Rs 350/ team** | **Rs 35,000** |
| **Paper Presentation** | **8th Feb** | **2PM to 5 PM** | **Rs 300/team** | **Rs 5,000** |
| **Blue Print** | **4th Feb** | **9.30 PM to 12.30 AM** | **Free** | **Rs 5,000** |
| **Web Dev Challenge** | **Feb 4, 2020 18:00 IST**  **to**  **Feb 5, 2020 18:00 IST** | | **Free** | **Rs 5,000** |
| **Arduinoob** | **ROUND 1 : 6TH FEB (2 PM to 3 PM)**  **ROUND 2 : 6TH FEB (4PM to 5 PM)** | | **Rs 200/team** | **Rs 5,000** |
| **Swig and Code** | **8th Feb** | **10:00 AM to 1 PM** | **Rs 250/team** | **Rs 5,000** |
| **Principium** | **7th Feb** | **10:00 AM to 1 PM** | **Rs 200/team** | **Rs 5,000** |
| **DirtRush** | **ROUND 1 : 7TH FEB (10 AM to 5 PM)**  **ROUND 2 : 8TH FEB (11AM to 3 PM)** | | **Rs 450/team** | **Rs 20,000** |
| **Line Follower** | **ROUND 1 : 7TH FEB (10 AM to 5 PM)**  **ROUND 2 : 8TH FEB (10AM to 3 PM)** | | **Rs 300/ team** | **Rs 15,000** |
| **CTF** | **6TH FEB** | **2PM to 5 PM** | **Rs 200/ team** | **Rs 5,000** |
| **Encoded** | **ROUND 1 : 7TH FEB (11 AM to 1 PM)**  **ROUND 2 : 8TH FEB (10AM to 1 PM)** | | **Rs 200/ team** | **Rs 5,000** |

1.**Tech Nova –**

ADVAITA’20 introduces you to TechNova, the nonpareil Tech exhibition of IIIT Bhubaneswar. Since its inception in 2013, TechNova has been proffering a platform for showcasing students’ innovations. In its very first year, TechNova had got media coverage from some of the colossal news channels and its grandeur has been on a rise in subsequent editions with Advaita. So if you have some idea, build it, show it and have a chance to take home some hefty prizes, from the premiere​ tech event of ADVAITA.

**RULES AND REGULATIONS:**

Technova welcomes exhibits in the following categories:

● Computer Science (App, software, tools)

● Robotics

● Electronics

● Engineering

● Automobiles

● Pure Science

● Energy

However there are no strict boundaries:

● The participant should have a working prototype of the idea to be presented. No idea pitching is allowed.

● The participant should have charts or paper presentations along with the model on the day of the exhibition.

● The team can have a maximum size of 4 person.

● The decision whether the model would be a part of Technova lies in the sole hands of the organizers.

● Judging will be done by various faculty members of the institute on basis of innovation and presentation.

**EVENT DETAILS:**

Registration Fees : Rs 350/ team

Date:​ 06th Feb `20

Time-10 AM-5 PM

Co-ordinators: ​Ankit Gupta (7656814356) , Shubham Sharma(7978279452)

Website Link:​ ​http://advaita.io

2.**Dirt Rush** –

The ultimate robot dash competition of ADVAITA’20. Participants have to forge a manual bot having awire or wireless remote control. The bot has to pass through various obstacles on its way accordingly the teams get points. The arena mostly automated in itself and is divided into discrete zones each having a particular challenge to vanquish.

BOT SPECIFICATIONS:

The bot must not :

● Exceed dimensions of 25cm x 25cm with a height of 15cm.

● Exceed weight of 3 kilograms.

● Have robotic arm appendages.

● Have drilling, hitting or otherwise rotating parts other than wheels only. Teams will be penalised for any damage to the terrain.

● Autonomous ​ . The bot has to be controlled manually and the terrain tests the bot along with the driver’s skills.

The bot may be:

● Wired or wireless.

● Battery powered or use mains supply. AC main supply will be provided to the teams if needed.

The bot must be:

● Fireproof.. (The track include elements of fire and any damages to the bot is not the responsibility of the hosting team.)

**EVENT DETAILS:**

Registration Fees : Rs 450/ team

Date:​ Round 1: 07th Feb `20

Round 2: 08th Feb `20

Time: 10 AM-5 PM

Co-ordinators: Dibyajyoti Jena(8637254790) , Akhilesh Patnaik(9437155411)

Website Link:​ ​http://advaita.io

3.**Line Follower** –

It is an extreme automated robot challenge that pivots on the robot to follow a specific path. Participants have to develop an algorithm as well as design robot to follow the path and overcome hindrances and obstacles in the path.

**RULES AND REGULATION:**

● Maximum of 4 participants are allowed per team. Members of a team may belong to different institutes.

● Total time allotted for the run will be 10 minutes.

● Maximum of 2 timeouts permitted per run, with each not exceeding 2 minutes. Each timeout will attract penalty. During timout teams can only adjust the hardware malfunctioning or errors, but no change in code will be allowed.

● A 2 minutes penalty would be imposed on restart.

● The team members are not allowed to touch the bot during the course of run, unless they ask for a restart or timeout.

● Microprocessors used should not be more than 16 bit.

● Bot has to remain within the arena throughout the run.

● Hard-Coded Bots are not allowed in the competition.

● The participants will be provided with a 220V, 50 Hz AC power supply, and any other kind of power supply has to be arranged by the team itself.

● Rules are subjected to change. ​Any change will be notified to the registered participants in prior.

● Decision of Team ADVAITA will be final and binding under all circumstances​.

BOT SPECIFICATIONS:

● Maximum set of dimensions allowed for the bot is 15\*15\*15 cubic cms.

● In case the team is using a non-electric power supply, they get it approved from the organizers beforehand via email. Organizers will not be responsible for inconvenience if approval is not sought.

● In all cases, any on-board power supply devices like batteries are to be included within the maximum dimension limit.

● Potential difference between any two points on the bot should not exceed 24 volts.​The bot dimensions would be subject to 30% tolerance.

ARENA SPECIFICATION:

● The Arena will be square of 1.5 meters side. ● Width of the white line will be 30 mm.

**EVENT DETAILS:**

Registration Fees : Rs 300/ team

Date:​ Round 1: 07th Feb `20

Round 2: 08th Feb `20

Time: 10 AM-5 PM

Co-ordinators: Auroshis Ray(7978670720) , Chirantan Mohanty(8763378286)

Website Link:​ ​http://advaita.io

4.**Arduinoob** –Advaita brings you an arduino based hackathon event. This event invites all the young minds who can code their arduino and compete in this hackathon event.

**RULES AND REGULATION:**

* Participants have to form a team of maximum 2 members.
* Each team is supposed to bring their own Laptop with Arduino Ide installed in it.
* Each team has to bring it’s own arduino , minimum 3 LEDs, Resistors and a bread board along with jumper wires.

There will be 2 rounds in this event. The team will be given theory questions and some problem statements and they have to code it in the arduino ide and run it in the arduino. The team who qualifies the 1st round will move to the 2nd round.

**EVENT DETAILS:**

Registration Fees : 200/team

Date:ROUND 1: 6th FEB(2 PM to 3 PM)

ROUND 2: 6th FEB(4 PM to 5 PM)

Co-ordinators: Shashank(70088 51415) Hari(94476 61302)

Website Link:​ ​<http://advaita.io>

5.**Blueprint** –

Advaita brings you a 3 hours short competitive programming contest to be hosted on codechef. Test your coding skills and earn codechef laddus and cashprize.

**RULES AND REGULATIONS:**

Participants are required to make a codechef account in order to participate in the contest.

**EVENT DETAILS:**

Registration Fees : Free

Date:​ 04th Feb `20

Time: 9:30 PM-12:30 AM

Co-ordinators: Sibashish(70088 51415)

Website Link:​ ​<http://advaita.io>

**6.Swig N Code-**

Advaita 2020 prsents Swig and Code. It is a 3 hours onsite gamified competitive programming contest. Participants come in pairs with their laptops and they had the liberty of Swilling beverages during problem solving.

**RULES AND REGULATIONS:**

* Only teams of 2 members each are allowed.
* Participants have to bring their own laptop.

**EVENT DETAILS:**

Registration Fees : 250/team

Date:​ 08th Feb `20

Time: 10 AM-1 PM

Co-ordinators: Ananya Aprameya(87632 23331) & Swapnil Sahu(95658 82643)

Website Link:​ ​http://advaita.io

7.**Principium-**

Advaita 2020 provides you a platform to test your reverse engineering skills. In this event the participant is required to reverse engineer a given Piece of solution and design the source code according to the solution given. The code is then tested on various test cases and accordingly the participant gains points.

**RULES AND REGULATIONS:**

* Only teams of 2 members each are allowed.
* Participants have to bring their own laptop.

**EVENT DETAILS:**

Registration Fees : 200/team

Date:​ 7th Feb `20

Time: 10 AM-1 PM

Co-ordinators: Sneha Shukla(6300 921 302) & Anwesha(73777 98558)

Website Link:​ ​http://advaita.io

8.**Paper Presentation-**

Advaita 2020 provides all the ingenous minds out there to showcase their research and project ideas to the audience. In this event the participant is required to present his/her Research paper or a project he/she has been working on.

**RULES AND REGULATIONS:**

● Authors who wish to participate in the competition will create documents consisting of a complete description of their ideas and applicable research results in a maximum of 10 pages for technical content including figures and possible references, and with one additional optional 11th page containing only references. Paper must be written in ​IEEE format​.

● Paper need not be publishable but originality is a must.

● Paper submissions will be reviewed by faculties selected by the IIIT Bhubaneswar Research committee for their demonstrated knowledge of particular topics. The results of the event will be announced after the presentation.

● Presentation time is critical: each paper is allocated 20 minutes for oral sessions. We recommend that presentation of your slides should take about 17-18 minutes, leaving 2-3 minutes for introduction, summary, and questions from the audience. To achieve appropriate timing, organize your slides or view graphs around the points you intend to make, using no more than one slide per minute.

● Presentation rooms will be equipped with a data projector, a microphone (for large rooms), and a lectern. Participants are requested to bring their own laptops for presentation.

● Be sure that at least one author registers to attend the event using the online registration system available through the advaita.io website. Each paper must have all the authors registered on the website, with the payment received by the authors registration deadline to avoid being withdrawn from the competition.

**EVENT DETAILS:**

Registration Fees : 300/team

Date:​ 08th Feb `20

Time: 2 PM-5 PM

Co-ordinators: Pranshu Kumbhare(94244 47912)

& Aditya Bhardwaj(6303 231 379)

Website Link:​ ​http://advaita.io

9.**Web Dev-**

Advaita brings you the platform to showcase your designing skills. It is an online event in which the participant is required to design a web site/web app according to given instruction and the participant with best design is the winner.

**RULES AND REGULATIONS:**

* You will be given a task or a web page design and you have to develop a website or webapp . You have to implement the specified features for the project.
* You will be scored based on number of features you implement, code quality and design.
* You have to make your code open source so that we can evaluate your code also attach some photos of working website
* The exact problem statement and the rules will be revealed 1 hour before the start of the contest.

**EVENT DETAILS:**

Registration Fees : Free

Date:​ Feb 4, 2020 18:00 IST to Feb 5, 2020 18:00 IST

Co-ordinators: Prakhar Kaushik(90458 55633) & Vaibhav Kandwal (91543 74976)

Website Link:​ ​http://advaita.io

10.**Encoded** –

Advaita brings you a 36 hours hackathon event to showcase your skills in the tech field. So if you have some idea, build it, show it and have a chance to take home some hefty prizes, from the premiere​ hackathon event of ADVAITA.

**RULES AND REGULATIONS:**

Hackathon will be of the following categories:

● IOT

● Web Dev

● Machine Learning

● Artificial intelligence

Participants are required to make a team of maximum 4 members. Topics and problem statement will be open and participants can choose any problem statement and project to work on. Teams have to register and be present on first day to show what they are working on and next day will be the final evaluation. A ppt and model presentation will be after 36 hours with the judges being faculty/PSoC members. Each team will be provided 15-20 mins to present their model and the top 3 teams will be awarded.

**EVENT DETAILS:**

Registration Fees : 200/team

Date:​ Round 1: 7th FEB(11 AM to 1PM)

Round 2: 8th FEB(10 AM to 1PM)

Co-ordinators: Nabanita Dash(82496 65459) & Sanjiban Sengupta(8598996242)

Website Link:​ ​http://advaita.io

11.**CTF-**

This time Advaita gives you a chance to display your hacking and cracking skills by breaking through our custom vulnerable machines and capturing the flags we have hidden for you.

**RULES AND REGULATIONS:**

* In this event a platform will be given providing you with few machines and challenges to crack in the stipulated amount of time.
* Team can have a minimum size of 2 and maximum size of 5.
* Each machine/challenge will have a flag which you have to find. The winner will be that person who will be able to reach to all our flags first.
* Participants are required to bring their own laptops.
* Trying to scan ports or exploit the network that you are not supposed to will result in immediate disqualification.
* The authority of deciding the winners in case of a draw, rests solely with the organizers.

**EVENT DETAILS:**

Registration Fees : 200/team

Date:​ 06th Feb `20

Time: 2 PM-5 PM

Co-ordinators: Aditya Gupta(70607 33908) , Rachit Pandya(94797 60631)

Website Link:​ ​<http://advaita.io>