

ANNUAL REPORT

AVALON

2023

PREPARED BY
MR. ANUJ SAWANT
SECRETARY



About

Terna Public Charitable Trust's Terna Engineering College Is One Of The Well Known And Finest Technical Institutions, With 'A' Grade From Maharashtra Government And Having Iso 9001 Quality Management System Along With Nba Accreditation And Is Among The Top Colleges In Navi Mumbai. Terna Offers Education Of The Highest Quality With Its Curriculum Presents A Broad Array Of Exceptional Offerings In Engineering And Technological Studies.

AVALON is TEC(Terna Engineering College)'s Official Technical Festival i.e. Tech-Fest Avalon organizes, manages, & hosts multiple Technical Events throughout its Fest. Fest happens usually over a period of 2-3 days, consisting of around 10+ Events, examples include, innovation competition, coding competition, Hackathons, Technical Sessions, Seminars, E-sports, Project competition, debates, Designing & Problem-solving competition & lot more. The sole purpose is to bring to students & participants one of a kind Technical Fest to experience the world outside their normal academics through a Technical perspective.

AVALON provides a platform for technical aspirants from reputed Institutes & organizations across the nation to showcase their technical knowledge and ideas on a huge platform best suited for them. AVALON started in 2010 and now has been organizing such Technical events & Fests for the past 11 years & continues to maintain its legacy. The festival manifests the conglomeration of talent, intellect, innovation, and competitive spirit of the students.

History

At Glance

Technical Paper Presentation involved thorough research on a certain topic of choice and then present a detailed analysis report on the same. the selected topics and reports are then sent to a professional reviewing committee that declares the results based on various criterions. The reports of the winners are then published as journals through the journal publication



Project Competition involves presenting a ppt presentation along with a prototype or actual working model or results of the topic or project that a group of students takes. Usually, the topics are broadly categorized into 3 domains, namely Mechanical/Civil/instrumentation, Electrical/Electronics/EXTC, and Computer Science, Information Technology/ AI & DS. The Projects are reviewed by a panel of jury



TERNA ENGINEERING COLLEGE
AVALON
NERUL

LAST DATE FOR REGISTRATION
20-02-2014

Registration Fees:
1.Project Competition-450/-
(Per Group)(Snacks Included)
2.Paper Presentation-300/-
(Per Paper)(Snacks Included)

2014 AVALON
LAUNCH TOWARDS SUCCESS
12-03-2014
NATIONAL LEVEL PROJECT COMPETITION
TECHNICAL PAPER PRESENTATION

₹52,000

Category 1
Computer & Information Technology Branches
1st Prize: 10,000/- + Trophy
2nd Prize: 6,000/- + Trophy

Category 2
(Electronics & Telecommunication, Electronics & Instrumentation Related Branches)
1st Prize: 10,000/- + Trophy
2nd Prize: 5,000/- + Trophy

Category 3
Aviation & Mechanical Branches
1st Prize: 5,000/- + Trophy (Aviation)
1st Prize: 5,000/- + Trophy (Mechanical)
National Level Technical Paper Presentation
1st Prize: 5,000/- + Trophy
2nd Prize: 3,000/- + Trophy
3rd Prize: 2,000/- + Trophy

CONTACT: Mr. D.M. BAVKAR : 8286057827 | 8424041000
WEBSITE: www.csiterna.com
EMAIL: tecavalon2414@gmail.com

By Post Registration Mr.H.K.Chavan/Mr.D.M.Bavkar Terna Engineering College,Sector 22, Opp.Nerul Railway Station,Nerul(W),Navi Mumbai-400 706



Avalon 2023

A Revolution

The advent of covid pandemic saw a delay in the recruitment of the AVALON team and thus delayed the activities planned. But this did not demotivate the team neither put down the enthusiasm with which we worked. Team. AVALON came up with the one-of-a-kind Technical Festival, which inclined more towards the interests and likes of the Modern generation of students. Taking inspiration from technical Festivals conducted around the nation & globe, we brought to students a Technical festival that not only was fun and joy to participate in but also honed their technical skills.

It was our Highest pleasure to announce AVALON 2023 Tech-Fest in a new & different one-of-a-kind mode, completely revamped into a fresh perspective, consisting of many new & different events. This year we ran with a lot higher enthusiasm and more efforts to make it to the best and to provide a perfect stage for students from different streams to present their mindful set in technical expertise.

At AVALON we hope you try to make a step forward and participate in amazing events. Don't give a limit to your ideas or be afraid of expanding your thoughts as it's rightly said "There is no failure, either You will win or learn".

Avalon 2023

A Revolution

Key Highlights of Avalon 2023:-

- Only Committee of Terna Ever to have its Website with its own domain (<https://www.avalontechfest.tech/>)
- Committee with the Largest Number of Active Working Members.
- Festival with the Highest Number of Participants in 2023
- First Committee to Successfully Host & Self-Organize its own Hackathon.
- First Time in Avalon History to have a 3-Day Tech-Fest.
- Evolution from Technical Event to Tech-Fest.
- Highest Participation in 24 hours hackathon.
- Highest Volume of Award Prize Money distributed to Winners.
- First Committee to have its own Listed NFT Collection & rewarded winners with NFT tokens.
(https://opensea.io/Avalon_TechFest?tab=created)

AVALON 2023 included technical events which includes Prototype Prodigy & Hackathon . AVALON 2023 represented and supported the technical interests, ideas and innovations of youth and students of the college

A Message...



" It gives me immense pleasure to pen a few words to our Avalon, an annual competition. This competition is exclusively meant for exhibiting technical talent. I congratulate all the contributors for participating in such a large number. I appreciate the commendable efforts put forth by the organizing team. Every time Avalon team is doing better and better. Through this message, I wish Avalon team "All the very Best" for their future endeavors. "

-Principal, TEC
Dr. L.K.Ragha



AVALON is a light lamp enlighten by the faculty and students of Terna engineering college, Nerul to give an open platform to the undergraduate students to showcase their talent in the form of Project Competition and Technical Paper Presentation. It will be useful for their own growth in the realworld environment, as well as for society's betterment for lifelong learning.

-Avalon Co-Ordinator
Prof. D.M. Bavkar

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Glimpse of Media

Testimonials

Teams & Members

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Award Ceremony

Credits

End Cover

Schedule

Sr.No.	Date	Event	Timing
1.	17/03/23	Assembly	8.30 a.m. - 10.00 a.m.
		Inaugration	10.00 a.m - 11.00 a.m.
		Event 1-Prototype Prodigy	11.30 a.m. - 3.00 p.m.
		Winner Declaration	3.00 p.m - 3.30 p.m.
		Event 2- Treasure Hunt	12.00 p.m. - 4.00 p.m.
2.	18/03/23	Event 3 - Hackathon	
		Check In	8.30
		Briefing	10.00 - 11.00
		Desk Setup	11.30 a.m. - 12.00 a.m.
		Hackathon Begins	12.00 p.m.
		Lunch	2.00 p.m.
		Tea Time	6.00 p.m.

Schedule

Sr.No.	Date	Event	Timing
		Mentor Discussion	8.00 p.m
		Dinner	9.00 p.m
		Interactive Session	12.00 a.m.
3	19/03/23	Hackathon (Day2)	
		Breakfast	10.00 a.m
		Hackathon Ends	12.00 p.m.
		Judging Starts	12.30 p.m.
		Closing Ceremony (Prize Distribution)	14.30

General Inauguration

The Inauguration of the Technical Festivals of Terna Engineering College, i.e. Avalon happened on 17th March 2023 at the hands of Hon Dr. Padmansinhaji B., President, TPCT & Dr. L.K. Ragha, Principal, Terna Engineering College at 10.00 am

The Ceremony was Followed by a Festival Briefing Session by the Respective Secretaries



Avalon Inauguration

The Inauguration for AVALON 2023 was done on the auspicious day of 4th April 2022. A Welcome Ceremony of the Principal, Coordinators and HODs of All departments was done by The Avalon Secretary and Core Committee members. This was followed by a Lamp Lighting Ceremony at the Hands of Dr. L.K. Ragha, Principal, Terna Engineering College, and HOD's of All Departments. The Program succeeded with an Introductory Speech by Principal Sir and a Briefing session by the Secretary



Avalon Inauguration



Hackathon

Tempest of Time

AVALON conducted its First ever and one-of-a-kind 24hrs Hackathon as a Part of its Tech-Fest 2k23. This Event was the Flagship Event of AVALON tech-Fest that marked the beginning of the Sole-Conducted & self-organized Hackathon competitions in Tern Engineering College

The Hackathon had four tracks i.e. Web or App Development, AI & ML, WEB 3.0 & Game (AR/VR) where the Participants or Team of Participants Develop Mobile/Web apps featuring the world of Transformers, Use cutting-edge AI and ML technologies to create a new generation of transformers, explore the potential of Blockchain technology to bring transformers to the next level and immerse yourself in the world of transformers by creating Games(AR/VR) based on specific rules and a given theme, was a very different kind of hackathon shifting from the usual categories.

The Event was Led by Mr. Aliasgar Fatakdwala and Mr. Rishav Thapilyal, Webmasters, Avalon & The Secretary himself, and accompanied by a team of Cyber Enthusiast and Coding Geeks, this Event was also mentored by well-revered Faculty as part of the Reviewing Team, Prof. Siddharth Hariharan



Hackathon

- Theme: Transformers
- Venue: Terna Engineering College, Nerul
- Online mode platform: Discord
- Entry Fee: Free
- Entry Type: Team (Min.2 and Max. 4 members in each team)
- Category: Game Development



Hackathon

Guidelines and Rules

- **Participation:** Can be team (Min.2 and Max. 4 members in each team).
- **Submission:** The submission will be accepted through GitHub
 - The code should be Open-Sourced on GitHub with repository name as: 'avalon2023-hack-formers' with the label 'avalon2023'
 - The leader of the team must raise an issue with the name of their team and project and submit a pull request to the required repository (will be communicated on the day of event).
 - The repository must have a README.md file explaining the project.
 - The README should cover the following points:
 - Description
 - Screenshots / Gifs / Videos
 - Tech Stack
 - Credits for Assets (if used)
 - Team Members
- **Tools and Technologies:** There are no limitations on tools and technologies. Any programming language and frameworks/game engines are allowed.
- **Assets:** Any assets used must be credited (even if it is your own work, Open-Source or CCO)
- **Pre Hackathon:** It is allowed to have general purpose code before the hackathon begins. For example: project template/boilerplate, free assets
- **Not Allowed:**
 - NSFW / Political or Religious content
 - Hateful / violent content
 - Code or custom assets **before** the hackathon
 - Plagiarism



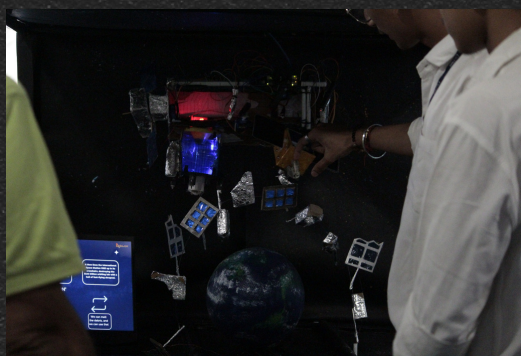
Hackathon



Prototype Prodigy

In this challenge, contestants are required to demonstrate the projects that fits within one of the three categories: Hardware, Software, or Civil Engineering. The grand winner will be determined based on a thorough evaluation of two crucial aspects:

- i) The technical expertise demonstrated in the project
- ii) Its potential to bring tangible benefits and commercial value to users in a practical setting.



Avalon Secretary



An Experience for a Lifetime. To say, it's very hard for me to be able to explain Avalon in such few words, for it's a lot of Feelings, Attachments, Memories & Experiences that go with the Avalon Fest. It's not just being a Secretary, it's much more beyond that, managing the Team, coping through hard times, overcoming hurdles, facing critics & still stand strong against all odds, pledging my whole & soul to bring the best of possible for the event closest to my Heart. The success of the Event lies equally in me & with all those who stood by my side as supports all the time.

Been a part of Avalon for past 3 years, but Avalon 2023 was still like a child for me, upbringing it from nearly zero to the Best Festival at Terna, a Revolution worth Everything. To Truly say, it's an Unforgettable Experience with all the Hard work, Dedication, and all my Team Members & Friends. All for One & Only "AVALON" !!

Mr. Anuj Sawant,
Avalon Secretary,
Technical Secretary,
TEC Student Council 2023



Photogallery



Photogallery



Photogallery



Photogallery





TERNA ENGINEERING COLLEGE
AN ISO 9001:2000 | NBA ACCREDITATION

AVALON

TECH=FEST

2023



HackFormers

OVERVIEW

PRIZES

SCHEDULE

PROJECTS

Projects (23)

 Search for projects by name

 Filters



VIGILANCE

A Machine Learning Model who is your...



1



Winners



ETHFORMERS

Our game is a real-time multiplayer...



2



Runner up

**ProjectBuddy**

Connect, Collaborate, Create



0



Second Runner up

**E-prep learning platform.**

We have developed this website by...



1

**UniLink**

Connect with people easily



0

**EcoChain**

Develop a decentralized application...

1

**CareerMate**

Your Path to Success!!!

2

**SamajSevak**

Connecting Citizens through the power o...

0



E-Voting System Using...

"Revolutionizing Democracy: A..."

0

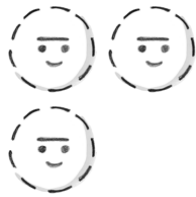
H



Health TransFormers

Get Customised Workout and Diet Plans...

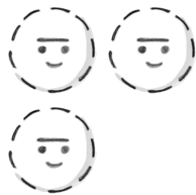
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Voice Up !

"Your voice matters, we are listening"

0



Kisan Mart

An E-commerce website for the farmers.

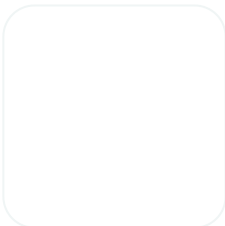
1



Namaste Nation

Indulge in the beauty of Indian Culture

0



Bandit Storage

Preventing Masses from Breaches

0



Time management System

Prioritize your tasks and make executable...

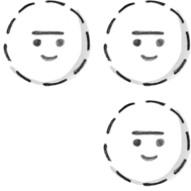
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B




Blood Bank Inventory

A platform which allows user to...




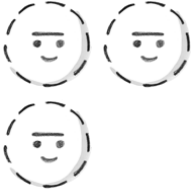
GST Validator
GST transactions error-free, Choose our...

1
4



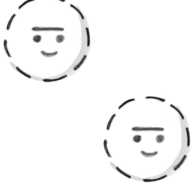
RaiseRocket - Blockchain...
Raise Rocket provides a decentralized...


2



ParkMate
Still Waiting in parking gate ? let's try...

1



Exam Saviour
Preferred By Winners, Referred By...

1

We love
software and
the **people**
who build
them.

COMMUNITY

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HackFormers

[OVERVIEW](#)[PRIZES](#)[SCHEDULE](#)[PROJECTS](#)

PRIZE POOL

\$3,315

ORGANIZER



HackFormers >
Upto \$360

PARTNERS



Polygon >
Upto \$350



Filecoin >
Upto \$250



Replit >
Upto \$50



Solana

Upto \$850



Verbwire

Upto \$1,455



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HackFormers

OVERVIEW

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SCHEDULE

PROJECTS



RUNS FROM

Mar 18 - 19, 2023

APPLICATIONS CLOSED

Hackathon has ended

[See projects](#)

The "HackFormers: The Next Generation Hackathon" is a premier event that brings together top-notch developers, designers, and entrepreneurs to explore the latest trends

and technologies in AI/ML, App Development, Blockchain, and AR/VR Gaming.

Hack Formers is the main stream

hackathon of Avalon 2023 followed by project competitions.

Hack Formers is a 24 hours hackathon which is starting from 18th March 2023 and will end on 19th March 2023.

Hack Formers contains various sessions between the event as well for participants and some of them have been kept empty for sponsors for their promotions.

Schedule:-

1. DAY 1:-

- a) Check-in: - 8:30am
- b) Inauguration and briefing: - 10-11:00am
- c) Hackathon begins: 12:00pm
- d) Lunch: -2:00pm
- e) Tea Time:- 6:00pm
- f) Dinner: - 9:00pm
- g) Interaction Session: - 12:00am

2. DAY 2:-

- a) Breakfast:- 10:00am
- b) Hackathon Ends:-12:00pm
- c) Judging Starts:12:30pm
- d) Closing Ceremony(Prize Distribution): 2:30pm

<https://www.avalontechfest.tech/>

Rules

- Follow the [Code of Conduct](#).



Email

HackFormers' Email

avalon@ternaengg.ac.in



Twitter

HackFormers' Twitter

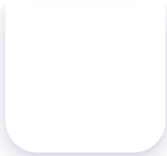
https://twitter.com/avalon_tec



LinkedIn

HackFormers' LinkedIn

<https://www.linkedin.com/in/avalon-techfest-3150b21a1/>



Discord

HackFormers' Discord

<https://discord.gg/2xqnbUNVqZ>



Instagram

HackFormers' Instagram

<https://www.instagram.com/avalonterna2023/>

FAQs

Team size

2 - 4

Registration costs?

Nada.

What is a hackathon?



What should I bring to a hackathon?



How can I prepare for a hackathon?



Can I work on my own or do I have to work in a team?



What happens at the end of the hackathon?



How can I select the Domain for my project?



Do I have to be experienced to attend?



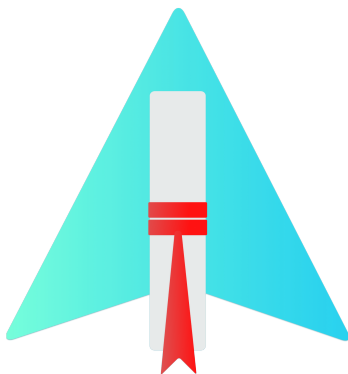
Who can apply to HackFormers?



What if I have more questions?



Sponsors



Hacker reviews

4/5

😄 43%

😊 34%

😐 12%

😞 6%

😞 5%



It's was my first hackathon and enjoyed it got a very good understanding of it. Will do more hackathon in future 👍



Judge for ml should be from specific field not from software background



everything was so good .

1 - 3

Hacker feedback

How were the
arrangements for seating,
WiFi, power points,

overnight accommodation
and other essentials?



More hackathons

[See all open hackathons](#) >

Hackerstellar

Hackathon



THEME

NO RESTRICTIONS

OFFLINE

STARTS 15/04/23

Applications closed

Layer

Hackathon



THEME

NO RESTRICTIONS**OFFLINE****OPEN****STARTS 17/04/23**[Apply now](#)

HackOwasp 5.0

Hackathon

**THEME****NO RESTRICTIONS****OFFLINE****OPEN****STARTS 14/04/23**[Apply now](#)

Hack JKLU 2.0

Hackathon

**THEME****NO RESTRICTIONS****OFFLINE****OPEN****STARTS 22/04/23**[Apply now](#)

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