

Name of the capability building and skills enhancement initiatives	Details
ICT/Computing skills	<p>Guest Lecture on Mobile App Depeloment by Prof Carlton McDonald, University of Derby</p> <p>Ethical Hacking Workshop organised by IETE TSEC</p> <p>Circuit builder workshop organised by IETE TSEC</p> <p>Photoshop Workshop organised by IETE TSEC</p> <p>Innovations in Laptop Design Workshop organized by IETE TSEC</p> <p>Seminar - Headstart to competitive Programming organized by IETE TSEC</p> <p>UI/UX Workshop organized by IETE TSEC</p> <p>Python Workshop organised by IETE TSEC</p> <p>Andriod Workshop organised by IETE TSEC</p> <p>Spark AR Workshop organised by IETE TSEC</p> <p>Machine Learning Workshop</p> <p>Training programs for First Year Students (workshop)</p> <p>TSEC Hacks by Codecell</p>

24th January 2018 Time 1:00 pm to 2:00 pm

Guest Lecture- Mobile Developing App
Prof. Carlton McDonald University of Derby



School of Computing
and Mathematics



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Oscillation-2017 Report

Name of ISF: THADOMAL SHAHANI ENGINEERING COLLEGE

Name of festival: OSCILLATION '17

Date of festival: 25th and 26th February 2017

Chief Guest & Dignitaries present for the festival: Dr. G. T. Thampi, Dr. Tanuja Sarode

Description of event:

OSCILLATION '17 was an annual intercollegiate techno fun festival which was held on 25th and 26th February, 2017 in Thadomal Shahani Engineering College, Bandra by the ISF here under the guidance of Dr. Tanuja Sarode. The fest saw the presence of professionals from SKYNET SECURE SOLUTIONS. The fest consisted of 7 events in all and the footfall during our festival was around 1500 students. The events along with their details are as follows:

1) CODE WARS-

Code Wars was a Coding competition organized by IETE-TSEC. It consisted of 3 levels for the participants to compete. 32 teams had participated in this year's event. The First Round required the teams to solve the maximum number of problems in 40 minutes. 21 teams were eligible to move on to the next round.

The Second Round was the debugging round, in which the teams had to debug the codes provided to them, within a time-frame of 60 minutes. 10 teams moved on to the next round.

In the Third/Final Round, teams had to solve the given problem statements within 75 minutes.

The event was conducted on 25th February 2017.

Overall, the participants experienced 6 hours of coding excitement.

2) ETHICAL HACKING WORKSHOP-

Ethical hacking workshop was conducted by SKYNET SECURE SOLUTIONS, which included a total of around 400 students. The contents of the workshop included Social media hacking, Social engineer passwords, Hacking mails, Fake calls and Security from Trojans, etc. The workshop lasted for 6 hours in two different sessions and was held on 25th February 2017. All the participants were awarded professional course completion certificates by SKYNET SECURE SOLUTIONS.

3) CIRCUIT BUILDER-

Circuit builder was an exciting workshop on basic electronics application. The workshop including practical implementation of various IC's in day to day applications such as traffic signal, burglar alarm and Automatic street lights. The workshop was conducted on 26th of February and witnessed a participation of 60 students.



Dr. G. T. Thampi
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Thadomal Shahani Engineering College



4) TECHNICAL PAPER PRESENTATION-

Technical Paper Presentation competition was an event which gave a chance to students to present their technical papers to the judges from their respective streams. 20 students, from Computers, IT and EXTC branches were present at the event. The event was conducted on 25th February 2017.

5) PHOTOSHOP WORKSHOP-

A Photoshop workshop was organized for the students, to give them an idea of how to use the software for editing pictures and designing posters. 40 students participated in the event. The event was conducted on 25th February 2017.

6) ROBO RACE-

This event was conducted over 2 days. On 25th February 2017, the participants were taught to build Bluetooth controlled robots, and on 26th February 2017, they were made to race their bots. The event had 6 teams, of 4 participants each.

7) S.C.M.U. SPEED CUBE-

This Rubik's cube event was conducted to let the students show their hidden talents in solving the different types of Rubik's cubes, in the least possible time. Around 50 students participated in the event, which was held on 26th February 2017.

EVENT	DATE	NO. PARTICIPANTS
Code Wars	25 th February, 2017	32 Teams (1/2 participants per team)

Name of the Winner	Position
Himanshu Totla, Sanket Shetye	1 st
Nitesh Kukreja, Ashish Choithan	2 nd

Annual Activity Report

Name of ISF College: THADOMAL SHAHANI ENGINEERING COLLEGE

Name of Principal (TSEC): Dr. G. T. Thampi

Total number of events conducted during the year: 2

Name of event/s: ELAN '16 and OSCILLATION '17

Date of event/s: 3rd and 4th September 2016 and 25th and 26th February, 2017

Chief Guest & Dignitaries present for the event: Dr. G.T. Thampi, Dr. Tanuja Sarode

Name of ISF Co-ordinator: Dr. Tanuja Sarode

Name of ISF Chairman: Mr. Rushab Sanjay Luhade

Name of ISF Vice-Chairman: Mr. Viraj Joshi

Name of ISF Secretary: Mr. Chaitanya Rohit Roygaga

Name of ISF Treasurer: Mr. Pranav Ruparelia



Dr. G. T. Thampi
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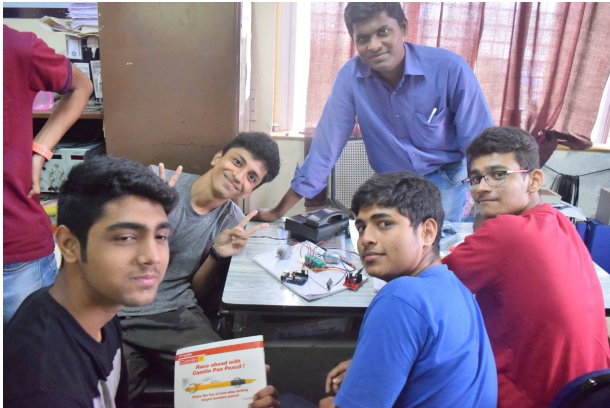
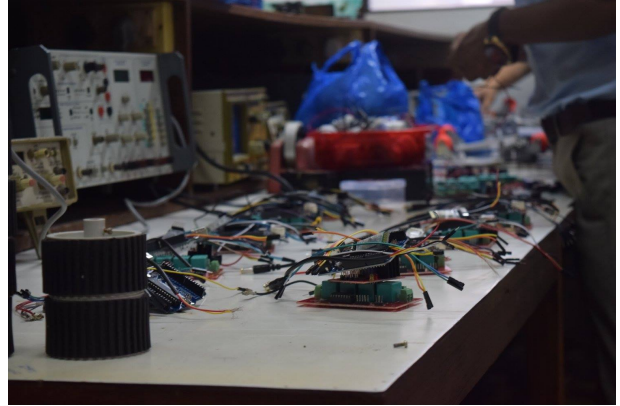




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Oscillation 2018

Chairperson : Sagar Shah
Vice Chairperson : Prithvi Hardasahani
Secretary : Neeraj Khadagade
Date : 17/02/2018 and 18/02/2018

Events

1. Ethical Hacking

Workshop conducted by Mr. Sachin Dedhia, founder of Skynet Secure Solutions.

2. Photoshop

Workshop conducted by Mr. Raj Bohra, Second Year, Computer Department, TSEC; Mr. Sohail Khan, Second year, Chemical Engineering, TSEC and Ms. Riya Shetty, Second Year, Biotechnology, TSEC.

3. Android Workshop

Workshop on Android App Development. Hosted by Mr. Monil Shah, Third Year Computer Department, TSEC and Mr. Devarata Oza, Third Year, Computer department, TSEC.

4. Technical Paper Presentation

Technical papers were presented by teams of students. Hosted by Ms. Darakhshan R. Khan, Assistant Professor in Computer Department TSEC, Mr. Vaibhav Ambhire, Assistant Professor in Computer Department TSEC and Ms. Nabanita Mandal, Assistant Professor in Computer Department TSEC

Schedule:

17/02/18

9am to 12pm – Android Workshop

1pm to 4pm – Technical Paper Presentation

18/02/2018

9am to 12pm – Photoshop

1pm to 4pm – Ethical Hacking



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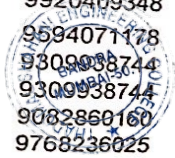
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Hyaan memon
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 Yogesh Raut
 ibad shamsi
 Siddhih Chaudhary
 Hyaan Menon
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 Daideepya Vanmali
 Rutuja Rajasminde
 Sandhya Khamgal
 Deep Pawar
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 abhijeet.c
 ishpreet singh
 ankit kadam
 somesh chopdekar
 vishal verma
 sreelakshmi
 mangesh konar
 hariharan IYER
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 rutuja rajaminde
 sandhya khamgal
 deep pawar
 shreeyash jadhav
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 pratik more
 prajakta kadam
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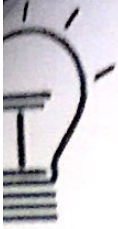
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IETE-TSEC &



PRESENTS

OSCILLATION'18

CERTIFICATE OF PARTICIPATION

This certificate is presented to

for the **ANDROID WORKSHOP** Event
during **OSCILLATION'18** held at
THADOMAL SHAHANI
ENGINEERING COLLEGE
organized by **IETE-TSEC**

MR.SAGAR SHAH
CHAIRPERSON,
IETE-TSEC

DR.TANUJA SARODE
BRANCH COUNSELLOR,
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EVENT REPORT

Oscillation 2021

The Institution of Electronics and Telecommunication Engineers (IETE-TSEC) held its annual Technical Fest Oscillation from 5th – 7th March, 2021. This year, due the pandemic, the fest was conducted online on platforms like MS Teams and Zoom. It consisted of six highly educational workshops and fun events. We partnered up with known companies like MSI and Codechef to make Oscillation a huge success.



Official Poster for Oscillation 2021

The schedule for the Fest was as given below:

Date	Time	Event
5 th March,2021	4:30 PM	Opening Ceremony
5 th March,2021	5:00 PM - 7:00 PM	Innovations in Laptop Design Workshop
6 th March,2021	11:00 AM – 1:00 PM	Seminar - Headstart to competitive Programming
6 th March,2021	2:00 PM – 3:30 PM	UI UX Workshop
7 th March,2021	10:30 AM – 12:30 PM	Python Workshop
7 th March,2021	1:00 PM – 3:00 PM	Spark AR Workshop

All registrations were taken via google forms.

Dr. G. T. Thampi
PRINCIPAL

Thadomal Shahani Engineering College
Bandra (W), Mumbai -400 050.

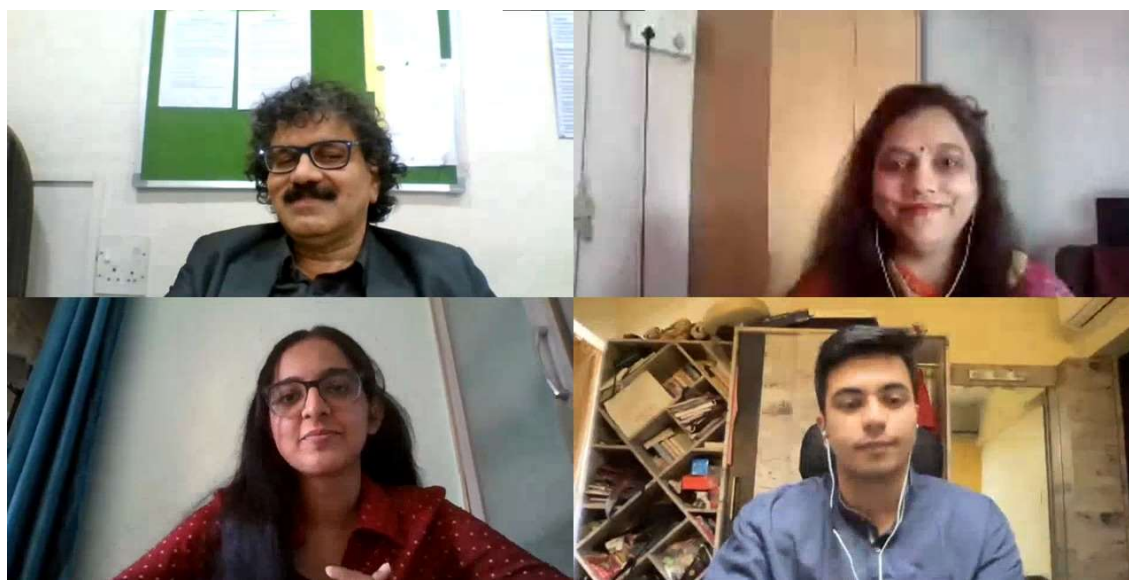


1. Opening Ceremony

The Fest began with an Opening Ceremony which was held on 5th March at 4:30 PM. The Chief Guest for this ceremony was Dr. G.T. Thampi, the Principal of Thadomal Shahani Engineering College. In addition to the honoured Chief Guest, the branch Counsellor for IETE TSEC – Dr Tanuja Sarode, The Dean of Student Affairs of Thadomal Shahani – Dr. Maniroja M. Edinburgh and the Trainings and Placement Officer – Ms Monica Tolani were also in attendance.

The esteemed Chief Guest gave an inspiring and motivation speech in front of all the committee members and attendees, commending the efforts of IETE and highlighting the importance of online workshops and seminars in these tumultuous times and thereby declaring Oscillation 2021 Open.

This was followed by a short speech from the branch counsellor congratulating the Committee and wishing everyone the best, thus concluding the opening ceremony.



A still from the opening ceremony featuring Dr.G.T Thampi (top-left), Dr.Tanuja Sarode (top-right), Ms.Prerana Deshpande, Public Relations Officer- IETE TSEC (bottom left) and Mr.Laksh Jethani, Chairperson – IETE TSEC (bottom right)

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2. Innovations in Laptop Design Workshop

- **Speaker:**
Harshawardhan Prabhu, Technical Marketing Manager at MSI
- **Description:**
This workshop was conducted in collaboration with MSI, Oscillation's Title Sponsor. The workshop started at 5pm. Various intriguing concepts like Thunderbolt 4, Real time Rate racing Technology, Revolutionary Cooling system, etc were discussed. Intel 11 Gen processors and the mini-Led display for their Creators 17 line of laptops. It was an interactive session, where students genuinely asked their doubts and the students who answered the most questions even won some prizes. The most exciting part was when the speaker talked about GE Raider Dragon edition gaming laptops. Over all it was an engaging workshop, where attendees got to know about many things pertaining to the new upcoming technology. It was conducted on MS Teams.
- **Footfall:**
130 -150 registrations were received out of which approximately 120 students attended the workshop.



Official Poster for the Workshop

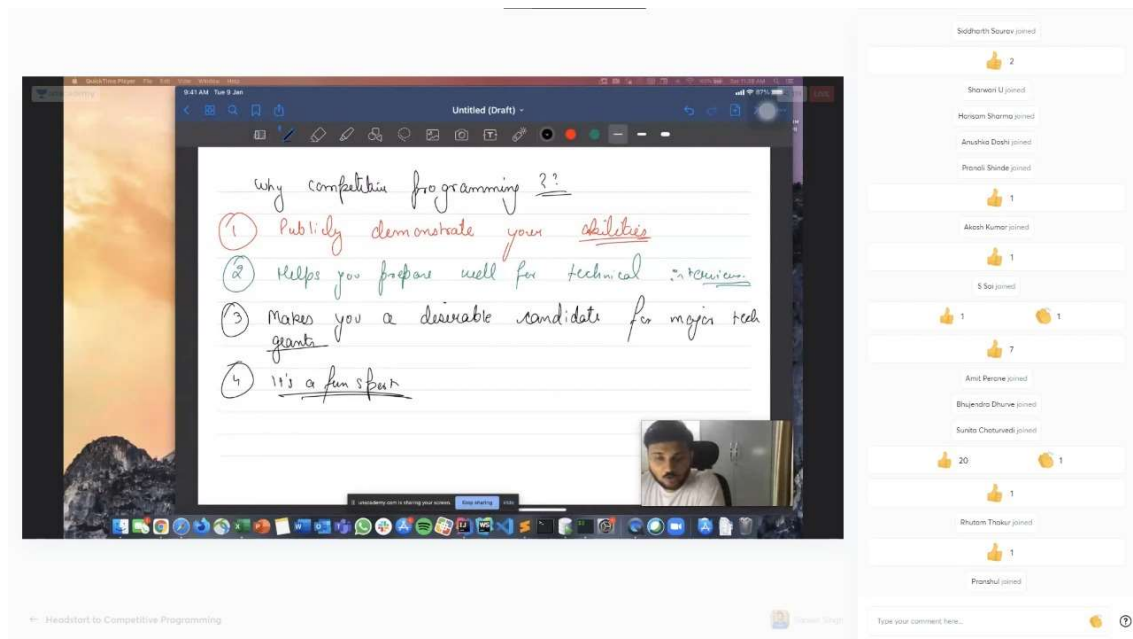
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3. Seminar - Headstart to competitive Programming

- **Speaker:**
Mr. Sanket Singh, Educator at Codechef.
- **Description:**
This seminar was conducted in collaboration with Codechef, Oscillation's Title Sponsor. The workshop started at 11 am. Initially, Mr. Sanket Singh discussed the importance of programming languages and how much of an important role competitive programming plays during the placement season. After that, he enlightened us on how to start off with competitive programming and how to use the competitive programming platforms effectively. He posted several quizzes and polls to keep the session highly interactive. At the end of the session, he gave the participants a problem statement to solve on the Codechef platform with a time limit of 24 hours and the winners received goodies from Codechef. The session was very informative and quite beneficial for the budding coders, we received a positive feedback from all the students.
- **Footfall:**
We received around 250 registrations but we had more than 350 students attending the workshop from all over India because it was conducted on Unacademy and was open for all



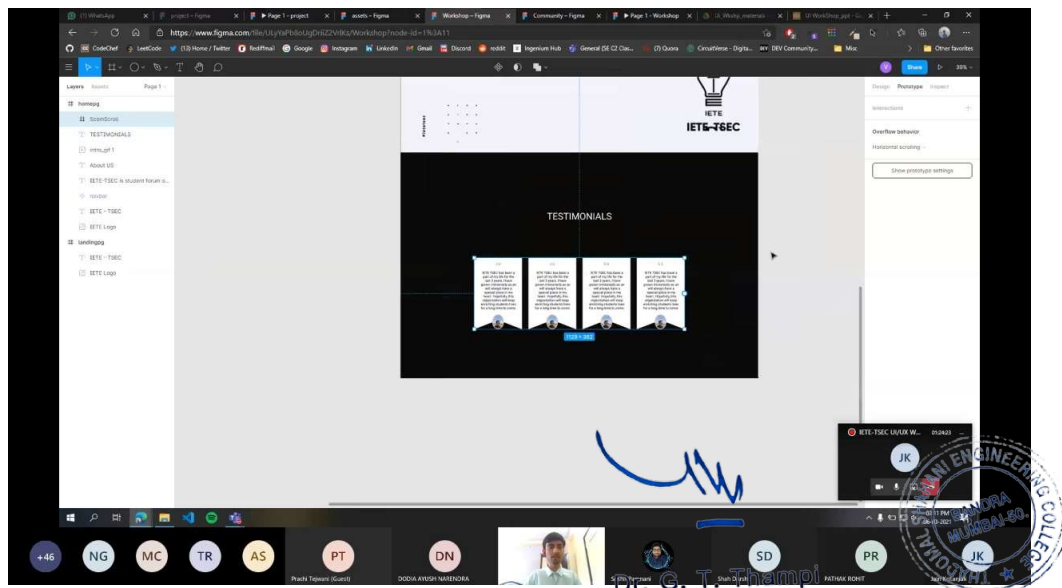
A still from the seminar

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4. UI/UX Workshop

- **Speaker:**
Kritanjali Jain, Prachi Tejwani, Varun Mamtora (Junior Committee Members of IETE)
- **Description:**
The workshop was conducted to make students aware about the concepts of User Interface(UI) and User Experience(UX).The workshop started at 2pm with an introduction to the UI/UX concepts.The prototyping software used was Figma.At about 2:30pm, speaker finished with explaining the concepts and moved on to the prototyping software i.e. Figma. All the basic requirements, plugins, tools, prototyping events were explained.After the basic know-how of the Figma prototyping software was done, speakers moved on to redesigning the iete committee's website on Figma. Speaker Varun Mamtora explained about the components and why to use components and also explained about the extreme importance of reusability in prototyping and how components play a very important role in the concept of reusability. Speaker Kritanjali Jain explained about the tools and various device sizes for which different art-board frames can be used. Speaker Prachi Tejwani explained the importance of prototyping and difference prototyping methods and prototyping event triggers that Figma software offers.During the recreation of the iete committee's website, there were some doubts amongst the participants which were related to the Figma software, these doubts were explained very well by speaker Varun Mamtora who was responsible for recreating the entire iete's website.At around 3:15pm iete the UI/UX was announced. The time given to participants was one day and they were free to use their own creativity. The workshop event was ended at 3:30pm.
- **Footfall:**
75 participants



A still from the workshop
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5. Python Workshop

- **Speaker:**
Mr. Sanket Singh, Educator at Codechef.
- **Description:**
This seminar was conducted in collaboration with Codechef, Oscillation's Title Sponsor. The workshop started at 10:30 am. Mr. Sanket Singh started off by telling us about the importance of python in today's world and the massive role it plays currently. Next, he moved on to the basics a python and he build up to the other core essentials like functions and discussed a bit of Object-Oriented Programming. To keep the session interesting and interactive he posted several quizzes and polls in which the students actively participated. Overall, it was an amazing session, and we received a positive response from the attendees making the workshop successful.
- **Footfall:**
We received around 220 registrations but we had more than 300 students attending the workshop from all over India since it was conducted on Unacademy and was open for all



The poster is for a Python Workshop. At the top, it says 'IETE-TSEC IN ASSOCIATION WITH CODECHEF PRESENTS PYTHON WORKSHOP'. Below that, it describes the workshop: 'Our python workshop introduces you to the language and it's basics. In addition we will teach you the problem solving skills you will need to get started with programming.' The date and time are 'MARCH 7 | 2021' and '10:30 AM - 12:30 PM'. Contact information is provided: 'Contact- Rhutam Thakur- 9819173361, Darsh Shah- 9619990782'. It also states 'FREE REGISTRATION' and 'Registration link in bio'. The poster features logos for CodeChef and IETE, and a background image of a keyboard.

A poster for the workshop

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6. Spark AR Workshop

- **Speaker:**

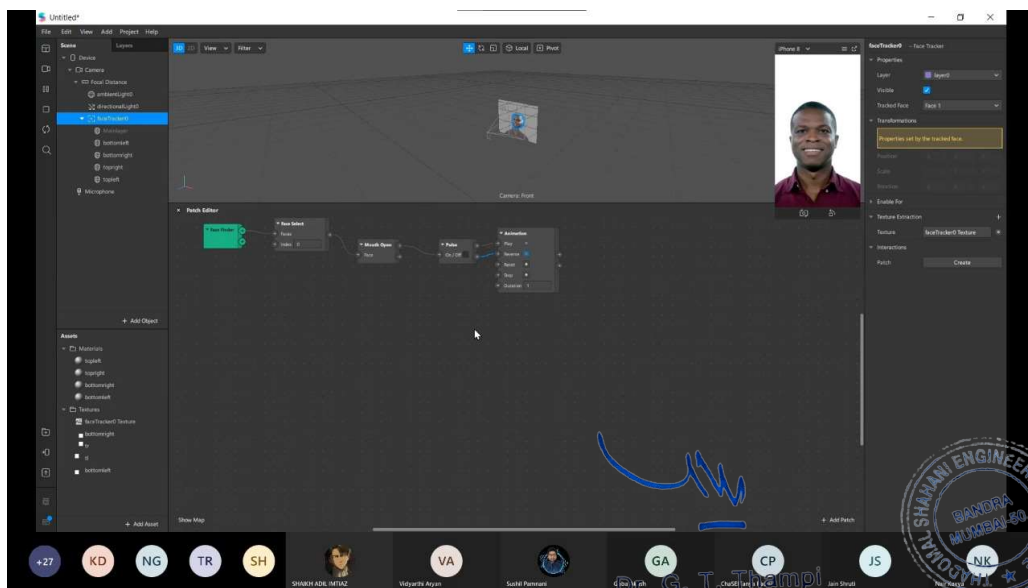
Kavya Nair and Akash Gaba (Junior Committee Members of IETE - TSEC)

- **Description:**

This workshop was aimed at familiarizing the students with the working of spark AR studio and to make a filter right from scratch in the session itself. The workshop began with welcoming everyone to the workshop, confirming if they have the software (spark AR studio) downloaded on their systems (an email was sent to the students beforehand explaining the procedures to download the software) and giving them a brief overview of the topic. A series of slides were then presented to them to introduce certain important terms which are reserved to the field of AR. It was an interactive session, where questions were asked to the students to get the feedback from their end. The students replied to the questions in an enthusiastic manner, which only made the workshop more worthwhile. Soon, the filter making process began. An effort was made to cover the smallest of details in an effective manner, going through each and every step and repeating the instructions if needed. Since this workshop was conducted mainly for the first year students, it was assumed that they may not have any technical exposure, and hence this workshop was designed to take them through the basics. The doubts of the students were continuously monitored through the chat. The importance of every step was emphasized, and practically shown at the same time. Also, some photo editing techniques were also talked about in the session, as that also formed an important part of the filter-making process. The workshop ended with the students being encouraged to make filters of their own and explore the technology.

- **Footfall:**

67 participants.



A still from the workshop
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Team IETE-TSEC

As a whole, Oscillation 2021 was a huge success and it was only possible because of the combined efforts of the entire team of IETE TSEC. All the members worked extremely hard to organize and conduct all the events in the Fest.



IETE-TSEC Senior Committee 2020-21

Chairperson	Laksh Jethani
Vice-Chairperson	Pranjal Jain
Secretary	Aditi Raut
Treasurer	Dharmik Siroya
Joint-Treasurer	Sachet Sharma
Senior Organisational Manager	Sudiksha Hegde
Public Relations Officer	Prerana Deshpande
Event Head	Tejas Bhorade
Marketing Head	Rumil Shah
Logistics Head	Smit Desai
Technical Head	Sushil Pamnani
Publicity Head	Sudiksha Hegde
Creatives Head	Hiral Chatwani
Design Head	Abhignya Bhat



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IETE-TSEC JUNIOR COMMITTEE 2020-21



<u>MARKETING TEAM</u> VARSHA PRABHAKAR AKSHAT SHAH AMANDEEP KAUR ANJANI REDDY CHIRAG SHARMA GARGEE BANSODE HIRTIKA MIRGHANI KALASH DESAI SHANVI MEHTA UDIT JAIN	<u>CREATIVES TEAM</u> AMOGH AGASHE ARYA SATAM KRITANJALI JAIN NANDINI GAWANKAR PRACHI TEJWANI RISHABH PATIL RIYA KADULKAR VAISHNAVI NAMBIAR YASHVI VAGHELA	<u>PUBLICITY TEAM</u> RHUTAM THAKUR AAKASH KAPADIA CHIRAAAYU MEGHNANI MITALI JUVEKAR NIDHI KOCHAR NIDHI WALAVALKAR PARTH CHEULKAR PRANAV BHIDE SAKSHI BHANAGE URJA MALADKAR
<u>TECHNICAL TEAM</u> DARSH SHAH AKASH GABA ARYAN VIDYARTHI CHAITANYA PADOL KAVYA NAIR ROHIT PATHAK SHRUTI JAIN VARUN MAMTORA	<u>DESIGN TEAM</u> TRUSHANT NARWANI NIDHISH CHHAJED SASHANK PILLAI TANYA CHANDNANI	<u>LOGISTICS TEAM</u> VEDANT MANUJA ABHAY MUKUL APARNA DESAI JAY MISTRY NAVYA SHETTY PRANAY THAKUR SAHIL ADIVAREKAR VANSHIKA GURBANI
	<u>SOCIAL MEDIA MANAGERS</u> GARGEE BANSODE NANDINI GAWANKAR	

Conclusion:

The team of IETE TSEC is proud to announce that the Technical Fest was a huge success with a footfall of over 800 students.

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Oscillation Details

List of Workshops:

1. UX/UI Workshop
2. Spark AR Workshop
3. How to get Started with Competitive Coding Workshop
4. Python Workshop

List of Participant for UX/UI

Full Name (as needed in the certificate)	Registering for?
Mayank manoj patil	UX/UI Workshop + Competition
Manav Rakesh Gandhi	UX/UI Workshop + Competition
Sagar Agicha	UX/UI Workshop + Competition
Pandey Suryodaya Vijayshankar	UX/UI Workshop + Competition
Namrata vaswani	UX/UI Workshop + Competition
Yogesh Gopalkrishan Maheshwari	UX/UI Workshop + Competition
Aradhya Talan	UX/UI Workshop + Competition
Hriday Keswani	
Dalvi Yash parag	UX/UI Workshop + Competition
Hiten Ravi Chandwani	UX/UI Workshop + Competition
Isha Parab	UX/UI Workshop + Competition
Prabhmeet Singh Oberoi	UX/UI Workshop + Competition
Jeevika Parab	UX/UI Workshop + Competition
Karan Bhagwandas Chandwani	UX/UI Workshop + Competition
Riddhi Shah	UX/UI Workshop + Competition
Rahul Maity	UX/UI Workshop + Competition
Tejeshwani Rathore	UX/UI Workshop + Competition
Adil Shaikh	UX/UI Workshop + Competition

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Pushpak Shejul	UX/UI Workshop + Competition
Singh Aniruddh Nagendra	UX/UI Workshop + Competition
Pullarabinda Mahapatra	UX/UI Workshop + Competition
Bhoomi Kamlesh Singhi	UX/UI Workshop + Competition
Pratham Motwaney	UX/UI Workshop + Competition
Raghav Nair	UX/UI Workshop + Competition
Shaikh Zaid Juned	UX/UI Workshop + Competition
Sneh Davaria	UX/UI Workshop + Competition
Joshi Vaibhavi Ramesh	UX/UI Workshop + Competition
Abhishek Choudhary	UX/UI Workshop + Competition
Piyush Parshottam Hinduja	UX/UI Workshop + Competition
Priyansh Salian	UX/UI Workshop + Competition
Sahil nandkumar mirashi	UX/UI Workshop + Competition
Singh Nitish Kumar Girish	UX/UI Workshop + Competition
Dhaiwat Rajkumar Jaisinghani	UX/UI Workshop + Competition
PUNEET SHASHIDHAR SHETTY	UX/UI Workshop + Competition
Sarven Sanjay Lad	UX/UI Workshop + Competition
Avantika M. Gavankar	UX/UI Workshop + Competition
Aditi Amit Patil	UX/UI Workshop + Competition
Sumanta Jena	UX/UI Workshop + Competition
Krupali Radadia	UX/UI Workshop + Competition
Aneri Adani	UX/UI Workshop + Competition
DIVEN GIRISH SIRWANI	UX/UI Workshop + Competition
Jain Jayu Jaiprakash	UX/UI Workshop + Competition
Shetty Bhoomi Sudhakar	UX/UI Workshop + Competition
Mohit Varma	UX/UI Workshop + Competition
Janvi Lala	UX/UI Workshop + Competition
Nitin.S.Patil	UX/UI Workshop + Competition
UTTARA BHAGAT	UX/UI Workshop + Competition
Vrinda Bundelkhandi	UX/UI Workshop + Competition
Karan Chopra	UX/UI Workshop + Competition
Gayatri jethani	UX/UI Workshop + Competition

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Om mandiyani	UX/UI Workshop + Competition
Nayan Agrawal	UX/UI Workshop + Competition
Omckar Savlani	UX/UI Workshop + Competition
Umang Singh	UX/UI Workshop + Competition
Manav Miteshkumar Doshi	UX/UI Workshop + Competition
Shreya AnilKumar Pillai	UX/UI Workshop + Competition
Suraj Chavan	UX/UI Workshop + Competition
Gargi Sanjay Sathe	UX/UI Workshop + Competition
Mihir Kaushik Shah	UX/UI Workshop + Competition
Ishneet Kaur Alag	UX/UI Workshop + Competition
Pranali Shinde	UX/UI Workshop + Competition
Gracy Rajesh Masand	UX/UI Workshop + Competition
Keyul Jain	UX/UI Workshop + Competition
Kyle Dsouza	UX/UI Workshop + Competition
Nishant Dilip Sadikale	UX/UI Workshop + Competition
Joshing Aishwarya Sudhir	UX/UI Workshop + Competition
Hetansh Haresh Shah	UX/UI Workshop + Competition
Vismay Vora	UX/UI Workshop + Competition
Yash Anil Joshi	UX/UI Workshop + Competition
Aditya Lalchandani	UX/UI Workshop + Competition
Priyal Mehta	
Ayush Sanjiv Shah	UX/UI Workshop + Competition
Jiya Patel	UX/UI Workshop + Competition
Kalyani Kasar	UX/UI Workshop + Competition
	UX/UI Workshop + Competition
Disha Jitendra Meghnani	
Adwaith Manikandan Nambiar	UX/UI Workshop + Competition
Pratik Kumar kithani	UX/UI Workshop + Competition
Drishti Anil Lahori	UX/UI Workshop + Competition
Krish Shah	UX/UI Workshop + Competition
Vaibhavi Amar Pore	UX/UI Workshop + Competition
Aditya Rajesh Ailsinghani	UX/UI Workshop + Competition
Preetish Parikh	UX/UI Workshop + Competition
Aayushi Upadhyay	UX/UI Workshop + Competition

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Raushan Kumar	UX/UI Workshop + Competition
SarthaK Atmaram Shirsat	UX/UI Workshop + Competition
Shrey Parekh	UX/UI Workshop + Competition
Yash Ashish Vaskar	
Aanchal Manoj Sukhrani	
Khatri Akash Manoj	UX/UI Workshop + Competition
Pratham Rajesh Soni	UX/UI Workshop + Competition
Prithvi Rohira	UX/UI Workshop + Competition
Aishwarya Sunil Thorat	UX/UI Workshop + Competition
Aaftab Alam Mohd Idris Khan	UX/UI Workshop + Competition
RITESH RAMAKANT NAIK	UX/UI Workshop + Competition
Melissa Dcunha	
Mayuri Lokhande	
Eshaan Phatak	
Nikhil Kumar Sharma	UX/UI Workshop + Competition
Roshan Deepak Bhagchandani	UX/UI Workshop + Competition
Ritesh Rajesh Mestry	UX/UI Workshop + Competition
Aanchal Jogeshwar	UX/UI Workshop + Competition
Smit shah	UX/UI Workshop + Competition
Yohan Nemichand Gupta	UX/UI Workshop + Competition
Vanshika Gurbani	UX/UI Workshop + Competition
Darshan Tailor	UX/UI Workshop + Competition
Tushar Nankani	UX/UI Workshop + Competition
Lavin Rupani	
Ritik verma	UX/UI Workshop + Competition
Ayush Dodia	UX/UI Workshop + Competition
Shanvi Mehta	
Full Name (as needed in the certificate)	Registering for?
Mayank manoj patil	UX/UI Workshop + Competition
Amol Sawant	
Rachit Arora	
Manav Rakesh Gandhi	UX/UI Workshop + Competition
Nikhil Khatri	
Sagar Agicha	UX/UI Workshop + Competition
Pandey Suryodaya Vijayshankar	UX/UI Workshop + Competition

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Namrata vaswani	UX/UI Workshop + Competition
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List of Participant for Spark AR

Full Name (as needed in the certificate)	Registering for?
Mayank manoj patil	Spark AR Workshop
Amol Sawant	Spark AR Workshop
Rachit Arora	Spark AR Workshop
Nikhil Khatri	Spark AR Workshop
Sagar Agicha	Spark AR Workshop
Pandey Suryodaya Vijayshankar	Spark AR Workshop
Namrata vaswani	Spark AR Workshop
Yogesh Gopalkrishan Maheshwari	Spark AR Workshop
Aradhya Talan	Spark AR Workshop
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Jeevika Parab	Spark AR Workshop
Hemal Kiran Nisar	Spark AR Workshop
Shreyans Manish Nawlakha	Spark AR Workshop
Karan Bhagwandas Chandwani	Spark AR Workshop
HARSH KASLIWAL	Spark AR Workshop
Riddhi Shah	Spark AR Workshop
Rahul Maity	
Tejeshwani Rathore	Spark AR Workshop
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Pullarabinda Mahapatra	Spark AR Workshop
Bhoomi Kamlesh Singhi	Spark AR Workshop
Anvita Bhate	Spark AR Workshop
Pratham Motwaney	Spark AR Workshop

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Raghav Nair	Spark AR Workshop
Shaikh Zaid Juned	Spark AR Workshop
Sneh Davaria	Spark AR Workshop
Joshi Vaibhavi Ramesh	Spark AR Workshop
Abhishek Choudhary	Spark AR Workshop
Priyansh Salian	Spark AR Workshop
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Sumanta Jena	Spark AR Workshop
Vidhi Parmar	Spark AR Workshop
Krupali Radadia	Spark AR Workshop
DIVEN GIRISH SIRWANI	Spark AR Workshop
Jain Jayu Jaiprakash	Spark AR Workshop
Shetty Bhoomi Sudhakar	
Mohit Varma	Spark AR Workshop
RONIT MALHOTRA	Spark AR Workshop
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Nayan Agrawal	Spark AR Workshop
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Manav Miteshkumar Doshi	Spark AR Workshop
Shreya AnilKumar Pillai	

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Suraj Chavan	Spark AR Workshop
Gargi Sanjay Sathe	
Mihir Kaushik Shah	Spark AR Workshop
Ishneet Kaur Alag	Spark AR Workshop
Pranali Shinde	Spark AR Workshop
Gracy Rajesh Masand	Spark AR Workshop
Keyul Jain	Spark AR Workshop
Kyle Dsouza	Spark AR Workshop
Nishant Dilip Sadikale	
Joshing Aishwarya Sudhir	Spark AR Workshop
Hetansh Haresh Shah	Spark AR Workshop
Aditya Lalchandani	Spark AR Workshop
Priyal Mehta	Spark AR Workshop
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Jiya Patel	Spark AR Workshop
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Krish Shah	Spark AR Workshop
Aditya Rajesh Ailsinghani	Spark AR Workshop
Preetish Parikh	Spark AR Workshop
Dipesh	Spark AR Workshop
Aayushi Upadhyay	Spark AR Workshop
Raushan Kumar	Spark AR Workshop
Shrey Parekh	Spark AR Workshop
Yash Ashish Vaskar	Spark AR Workshop
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Aishwarya Sunil Thorat	Spark AR Workshop

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Aaftab Alam Mohd Idris Khan	Spark AR Workshop
RITESH RAMAKANT NAIK	Spark AR Workshop
Melissa Dcunha	Spark AR Workshop
Mayuri Lokhande	Spark AR Workshop
Eshaan Phatak	Spark AR Workshop
Nikhil Kumar Sharma	Spark AR Workshop
Ritesh Rajesh Mestry	Spark AR Workshop
Smit shah	Spark AR Workshop
Yohan Nemichand Gupta	Spark AR Workshop
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Shanvi Mehta	Spark AR Workshop
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Rachit Arora	Spark AR Workshop
Manav Rakesh Gandhi	Spark AR Workshop
Pandey Suryodaya Vijayshankar	Spark AR Workshop
Namrata vaswani	Spark AR Workshop

List of Participant for Python Workshop

K.Dinesh Kumar
vishnu singh
Arun Yadav
Prashant kumar Tripathi
Karishma Kandala
Vivek Rajpara
prabhuraj
Ayzu Sama
Naman bhawsar
Amitesh Dwivedi
Arindam Ghosh
RumilShah Shah
VANSHIKA KEJRIWAL
Dyutika Khatate



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Rishabh Batra
Gaurav Dhok
Jashan Walia
Hardik Kotak
Koushik K S
shiv jariwala
Krishna Kumar
Tanvi Mehta
Shiv Khevaria
priyanka tiwari
Varun margam
ADITI PATIL
Anant Mishra
Rajul Koshta
lalithha
Abhishek Shawa
Lavish Garg
Sidharth Shukla
Savi Jain
Laxmi Chitte
Sceno Graphy
Bharat Data
Dhananjay
Ayush Dodia
Sheema Tarannum
Roshan Yadav
Manav Gandhi
Mohit Kumar
mandar kasangottuwar
Vaibhavi Pore
Harsh Nagpal
Arjun Gaud
SURESH KUMAR
Shyam Kedia
khushi jain
Yash Maheshwari
Rohit sonejee
Raj Singh
Shreyansh Singh
Lakshya Salgotra
Akash Mandal
Anurag Arya

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Namit Farate
Gayatri Jethani
Rahul Soni
Ashish Gupta
Deepali Singh
Om Katke
Tushar panwar
Dipak Dhangar
Mayank Singh
Satyam Kumar
Manjit Sharma
Prateek Vishwakarma
Abhishek Thakur
Namrata Vaswani
Sarven Lad
Tushae
Siyal Patil
Noynicaa Santani
Mihir Bhave
Rishika
Ekansh Gupta
aakash bansal
Deepak verma
nishant Sadikale
praneet Boggarapu
Nivi
Akshay Sharma
sneha sharma
Saurabh kumar
Kuldeep Tanwar
Prashant Kr
Somil Solanki
Pratik Bouri
Debasish Senapaty
Shivani Tamta
yash sharma
Raushan Ranjan
Jason Dsouza
Shristi Gupta
Snevitaa ..
VISHVJEET KUMAR
Kasu Jyothiratha



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Jai Rathore
Dhruva Shrivastava
Tathagat
Tanmay Pareek
Kaushal Kuldeep
Om Mandiyan
Mohini Shahi
pooja sanghvi
Ankit Sharma
Sachin Singh
MANISH DOGRA
RONIT MALHOTRA
Mushraf Ahmed
Likhith C R
Suman Raj
Yash Maru
Devesh Bansal
Roshani Sahu
Sugandha Kumari
sidhu
Mayank Patil
Rishav Kashyap
Pranay Tiwari
Jaymin Trivedi
Pragya Rai
Gururaj awale
AASHI AGARWAL
sandeep kumar
Greha Shah
Siddharth krishna
Jugalghia Ghia
gurvansh bhalla
Pallavi Khandelwal
Kamal Nath
Ved Prakash Rajput
Reenu
Akash Kumar
Varun Pal
sunil
AVINASH KUMAR
Chand Kanabar
Gaurav



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Shanan Shetty
Aayush Kumar
Sahu hariom
Naveen Kumar
Anshul Ghate
Dasaratha Sabar
Varshini Varsh
Karthik Shetty
Saunak Ahir
Abdul Rahman
Aditya
Rudra Soni
Kishore Babu
Kevin John
Parth Sharma
Kainaat Khan
Rahul Yadav
Shivam Bhardwaj
Anubhav Yadav
Deepak
Shweta Dugdhal
Rajiv Yadav
Nikhil
Lakshmi prasanna
Hemangi Sangole
Pratik Mehta
shiva Gutha
Pranjali daulatkar
Shreyas Agrawal
Shubham Advance
Rishabh
Vinay Hiragond
Rajesh Payra
Rahul Prasad
MIHIR UMESH
Ritesh Rajput
Prem Bhaskar
chandrakant shinde
Gargi Darwhatkar
Jahid Noyda
Sara Ghosalkar
Sarthak icon



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Pallabi Dey
Khushboo Dattani
Zaid Akhter
Harish Jegan
Mamta
Kurshit Kukreja
Satish Magar
Mamonosa Boul Samprodai
Lavi Soni
Umesh Kumar
Abhinay meka
divyanaidu gudisa
Shruti Yadav
Hafseera
Rakshita Singh chauhan
vansh Satija
Bh. Sai Teja
Vishal Ghai
Surabhi Srivastava
Sandeep Parashar
Rahul roy
Rajat Mohanty
Gaurav Kumar
Sai Pawar
Nikhil Chauhan
Pallavi Kamble
Mayuresh Kumbhar
Aryan Agrawal
Chunduri Avinash
Ayush Rana
Manoj Kumar
Aditi Ghoshal
Sandeep Yadav
Sibashish
Aman
vinay
JeetendraN Gardener
Roshan Singh
Mayur Mote
Siddharth Keshri
Santosh Kumar Parki
Indrajit Das



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veeresh
Gaurav Barve
Naren Sikha
pallavi
gowramma
polok pk
rohit borude
Prateek Kushwaha
Griharan
D.kumar Sai
pavithra nayak
Varun Tejas
Kodi Trishank
M Karthik
Naval Jangid
Shoshebajan Moya
rahul kumar
Sanket Kale
neeraj
Shubham Kumar
Jainam Patel
Zeba Naaz
Rajkumar Basak
Subarna Lamsal
ranjani k
Nagaraju N Raj
renuka mahesh
Afsar Monu
anisa akbar
Jayu Jain
Mita Sonar
Abhyuday Parmar
Vishal Singh
Neeraj kumar
Shawn Robin Jacob
Mithul Pranav
Praveen Kumar
Yash Agarwal
Gunjan Verma
Parag Kulkarni
Shayan Chakraborty
Pradeep Mehta



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Prathamesh Chougule
Vasant Garagunde
Aryaveer Tapasvi
Anjali Patel
Deepankar Mishra
Grishma Surati
Pranjal Prasad
Kazi Shaikhul
SP Bikaner
ajay
Brijesh Anand
Ravnoor Indian
chirag Khosla
Manan Ghai
Ayush Panwar
Purnima Sable
Anup Tandekar
Nitish Kumar
Kartike Bansal
Gaurav Patil
Pooja Naik
siddharth hemnani
Sakshi Devidas
Raju IL
Pushpak Shejul
mahek karia
vedant pramod
Varsha
Soham Sanghvi
Aakash Singh
Kuldeep
MANAN
Sushil Pamnani
Avantika Gavankar
Gayatri Joshi
Uma Joshi
rushi savani
parth shah
Ishaan
Jeevika Parab
Vedant Deshmukh
pranjal



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Madhusudhan Bura
Parag Patel
Adil Shaikh
Aneesh Shamraj
nidhi kashyap
Rhutam Thakur
BINIT Kumar
Dhanvi Bhanushali
Prabhmeet Oberoi
Omkar Diwakar
Minni Mouse
mayank patil
Ravi Kalva
Kundan Gupta
Prashant Kumar
Anuj suresh
smitanjali Mishra
bagthriya simran
Subham kumar
Urja Maladkar
Vidhi Jain
vraj Deriya
Anvita Bhate
Navpreet kaur
Prem Dhawane
Yash shah
Pradyuman
virat Shivam
Aman Srivastava

List of Participants for Competitive coding Workshop

Name
Vikas Upadhyay
Ananth kamath
Apeksha Gupta
Amit Kumar sain
rakesh patel
Naganarasimha M
Asfak Husain
Siddharth Saurav



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Suraj Kumar
Pabitra Jana
Sohil Upadhyay
Nikki Goel
Shreya Pillai
Yashna Dawda
Rumil Shah
Tarun Sharma
nitin kumar
Darshan 239
Rishikesh Yadav
Ashish Upadhyay
Dyutika Khatate
Aniruddh Singh
achint singh
Sumit
Akash khatri
Sumanta Jena
Adil Khan
Nikhil Jain
Vidhi Parmar
Trilok Sharma
Ajay Bhakuni
Hetansh Shah
Nahush Patil
Abdur Rahman M
Aarohi Badole
Nikhil Manchhani
Raghav Nair
Aditya
Saransh Sharma
Nikhil Shinde
Varun margam
ADITI PATIL
Urvisha jain
Jainam Rajput
harisam sharma
Pratham Motwaney
Sunita Chaturvedi
Vamsi
Aniket Saha
Vaibhav Chaubey



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varun
kartik singhvi
Tarun Gupta
Lavish Garg
Kailash Narayan Shukla
Mrugal Dudhbade
Aaditya Nitin
Sheetal Singh
Sagar Agicha
Preet Anam
Kapil tandel
Ayush Dodia
Roshan Yadav
Manav Gandhi
Bhuvan
nikhil khatri
mandar kasangottuwar
Shreyash Chandak
anupam sinha
Harsh Nagpal
ATISHAY
Harshit Tyagi
Akshay kumar
Roshni Sarda
Rohit sonejee
khushi gandhi
Nayan agrawal
Gayatri Jethani
gokul kannan
Mihir Lad
Mayank Singh
Sumit Kumar
Namrata Vaswani
Sarven Lad
Kamala M
abhishek Pandey
Sneha
Noynicaa Santani
piyush
nishant S
Atul tiwari
Ajit



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Shekhar biswas
Moksh jain
Raghwendra Pratap Singh
SIDDHANT Dixit
RAJENDRA PRASAD
Rajjat Raypure
Hetavi Mehta
Shubham
Jason Dsouza
ayasika prasad
Raunak
Ananya Raj
Tanmay Pareek
Suryodaya
Om Mandiyan
Joy Bera
Nikunj Mistry
Atharva K
Charu Sinha
RAVI SHEKHAR
Rishu Saurabh
Kavita
shal
Tanish Suvarna
Utkarsh Sinha
Sanyukta Shinde
rohan deshमुख
Eesa yousuf
RONIT MALHOTRA
Bhola Gupta
Hiten gerella
Dipendra Kumar
AKASH PERUMALLA
Roshani Sahu
Sugandha Kumari
Lavin Rupani
Rama Subramanian.H
Jaymin Trivedi
Dhruv Jain
Shrikisan kayande
Sona pal
Uday budhija



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Harsh Kumar
Prince Tanwar A-
Vansh patwari
Ajay Kumar
Jugalghia Ghia
Anishk
S Abhinav
Aatman Shah
ANERI Adani
Pallavi Khandelwal
Sambit Guha
Shweta porwal
Mihir Shah
Amey Rajmane
Karan garg
Akash Kumar
Sushmita
Arun Gupta
Kambariya Payal
Partha MANTRI
Shanan
Gursahib Singh
Karan Chandwani
Varshini Varsh
Pandu
Yash Joshi
Subhranshu Behera
Sanwar Lal
Ruchi Pakhle
Priyaraj Sharma
dilip suthar Suthar
Chandra Shakhar
Ranjeet
Sahil Jaura
Rishika
Bhujendra Dhurve
Shreyas Agrawal
Arpitha
Souvik Karmakar
Praveen Babu
Anshu kumari
MIHIR UMESH



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Omkesh Varshney
Piush Paul
Nagaraj PUJARI
HARSH KASLIWAL
Mehek
Zaid Siddiqui
Tanya singh
Uzaifa Siddiqui
Aayush Gupta
Sara
Sarthak
NAVEENKUMAR S
Khushboo Dattani
viru Nayaka
Bicky Singh
Neha Olekar
Abhilasha Upadhyay
Hazik Shapoo
rishwith
MINA LAMNIO
prince ojha
shreekant hebbal
Gurram Sahithi
Shivankar Pilligundla
Navin Kumar
Himanshu Balasamanta
Sparsh Gupta
Aayan Pathan
onkarpreet singh
saurabh singh
Priyadarshi omm
Suri
sharwari U
Ankita Kshatriya
Jat Shahab jat
Dhruv Jain
Pallavi Kamble
Solanki Hitesh
Ankita meena
Amit Power
sn subramani
pankaj kumar



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Aryan Agrawal
Himanshu Rawal
Suganeswar V
Aditya Gattu
Abhishek Tilkar
Rounak Joshi
S Sai
Swaraj Ji
Srinithya Gadwal
Siddharth Keshri
Smruti Ranjan Rout
taru KUMAR
Kovvuri Udaya
Meet Shah
Burhan kapdawala
suraj chavan
Manoj Sunkara
pawan sharma
Avii singh
Dipesh Sanil
Utkarsh Gupta
Shivanand Mangarol
Rahul Ukil
Saurabh yadav
Kushal Soni
Abhijeet
Anuja
MAYUR JAISWAR
Prateek Kushwaha
neelam
amit perane
Vennapusa Ramya
Avishek Kumar
nitish gawshinde
M Karthik
Anushka Doshi
Prasad K
Jaipoorna Singh
Rahul Yadav
laxmi
Ashwani Rai
Savita Chaudhary



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saquelain mokhtar
Shubham Kumar
suneet prakash
Aishwarya Thorat
Pradeep
Pranshul
Divyanshu Upadhyay
Pratyaksh
Tanish G
Pukhraj Sikarwar
Ilis Surin
Jayu Jain
Srija Tiyyagura
durga priyanka
Priyanka Vadhav
Daulet Imangaliyev
Mithul Pranav
Nayan Karale
Rahul Kumar Gupta
Pradeep Mehta
Anamika
Dibyanshu Jaiswal
Iranna S Irodagi
Syed Khaled
Ayush Chaurasiya
Soumya Hiremath
Snehal Ambre
Karan Trehan
Kantilal Ninama
Pranjal Prasad
SRINU DC CHAWAN
Suman Meena
Mahesh chatradiya
ajay
Kalakanhu Pradhan
Yusra Hashmi
Ugam Vinod Thakkar
Sasi Kiran
Megha B
amit kumar
om gote
Ramesh Yadav



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bharti thakor
Aftab Alam
Nileshji Gupta
Sonali Barman
Rahul Gorain
Piyush
Prakash R Pacchi
Aviral Khare
Rohit Sutradhar
amrusha
Sarabjit
Ravi Kumar
Deepkumar Rameshkumar
manoj patro
karan nandaniya
Sulipsa Das
Dhananjay Jadhao
Umang Singh
Pushpak Shejul
saudamini ghosh
Tejeshwani Rathore
mahek karia
vedant pramod
Varsha
Soham Sanghvi
Aakash Singh
MANAN
Disha Meghnani
Atharva Jog
Rachit Arora
Amogh Shanbhag
Rohit
Sushil Pamnani
Priyambi
Manav Miteshkumar
Avantika Gavankar
Gayatri Joshi
Jahnvi Thakkar
Deevya Mehta
Shreyas
Uma
rushi savani



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Isha Parab
parth shah
Shruti Jain
ritvik
Ishaan
Jeevika Parab
Vedant Deshmukh
pranjal
Dikshant Jain
Madhusudhan Bura
Bhoomi Shetty
Riya Kadulkar
Gargee
mohammed umar shaikh
Parag Patel
Pratik Kithani
Pratham Soni
Navya S
Arpita Pawar
Garima Merani
AJAY
Adil Shaikh
Deepak Rajpoot
Ananya
Prachi Tejwani
Aneesh Shamraj
Uttara Bhagat
Drishhti Anil Lahori
Nikita Saha
kalash
Omar Vora
nidhi kashyap
Heena Mirchandani
Ramesh Poojari
Pranali Shinde
Krish
Sumit Murkute...
Rhutam Thakur
BINIT
Dhanvi
Prabhmeet Oberoi
Riddhi



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Prachi
Ajay Choudhary
Omkar Diwakar
Prerana
DIVYA JAIN
Ram Bhutada
bagthriya simran
Anvita Bhate
Swagat Mahapatra
Poojan
Deven Patel
Akanksha
Dhruv
Pranav Nikam
preeti meena
Jayantraj CS



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Machine Learning Workshop

One day Machine Learning Workshop for T.E Computer Engineering students was conducted on 22nd January 2020 in Lab. 401.

The workshop was conducted by Mr. Arunjit Chowdhury of Enterprise Building and Training Solutions LLP (EBTS). Around 37 students participated in the workshop which included hands on training. The Co-ordinators for the workshop were Ms. Darakhshan Khan and Ms. Nabanita Mandal.



Enterprise Solutions at
your doorstep



Arunjit Chowdhury
CEO
B.E. (MECH) M.B.A
+91 98205 29962



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Enterprise Building Training Solutions LLP
www.ebts.co.in

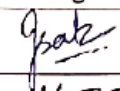

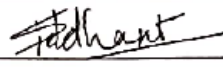
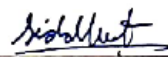
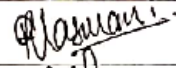

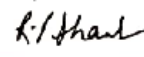




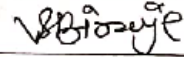
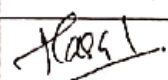
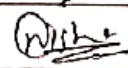
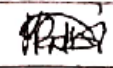
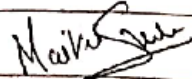
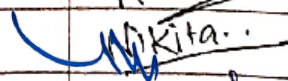
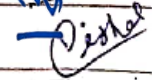
Machine Learning Hands On Training Attendance

Date: 22.1.2020

Time: 10:00 a.m

Venue: Lab.401

Batch: C2

S.No.	Name	Signature
1.	Jay Satoskar	
2.	Akshay Zantye	
3.	Siddhant Tiwari	
4.	Siddhant Wadaskar	
5.	Pooja Vaswani	
6.	Nidhi Thawani	
7.	Rohit Sambwani Shambwani	
8.	Vikram Shetty VIKYATH SHETTY	
9.	Rittick Sinha Roy	
10.	Riyush Motwani	AB
11.	Ayush Manghirmalani	
12.	Dhruva Hatode	
13.	Vikram Biranje	
14.	Heena Bhavnani	AB
15.	Harsh Sangtani	
16.	Nisha Shetty	
17.	Priya Rathi	
18.	Maltri Shah	
19.	Nikita Thakur	
20.	Vishal Tejawani	
21.	Priyanka Sheth	

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Machine Learning Hands On Training Attendance

Date: 22.1.2020

Time: 10:00 a.m

Venue: Lab.401

Batch: C2

S.No.	Name	Signature
22.	Dhyey Parikh	
23.	Pallavi Vaswani	<i>P. Vaswani</i>
24.	Dinsha Vaswani	<i>D. Vaswani</i>
25.	Vivina Nayak	<i>V. Nayak</i>
26.	Srishti Rajani	<i>S. Rajani</i>
27.	Rachna Soundattii	<i>R. Soundattii</i>
28.	Vaishnavi Udapa	<i>V. Udapa</i>
29.	Vikrant Shah	<i>V. R. Shah</i>
30.	sahil Sakramani	<i>S. Sakramani</i>

(Signature)
(Ms. Darakhshan Khan)
Co-ordinator

(Signature) 22/1/2020
MS. Nabonita
Dr. G.T. Thampi
PRINCIPAL
Thadomal Shahani Engineering College
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Machine Learning Hands On Training Attendance

Date: 22.1.2020

Time: 10:00 a.m

Venue: Lab.401

Batch: C1

S.No.	Name	Signature
1.	Milan Chandiramani	<i>M.G. Chelani</i>
2.	Pearl Jain	<i>P. Jain</i>
3.	Raunak Jajhodia	<i>AB</i>
4.	Simran Javeri	<i>S. Javeri</i>
5.	Sunny Chugh	<i>AB</i>
6.	Rahul Chugh	<i>R.V. Chugh</i>
7.	Simran Chelani	<i>Simran</i>
8.	Krutika Hiranandani	<i>Krutika</i>
9.	Jay Jhangiani	<i>J.D. Jhangiani</i>
10.	Laksh Jadhvani	<i>Laksh</i>
11.	Sourish Dewani	<i>S.S.</i>
12.	Rahul Laungani	<i>R. Laungani</i>
13.	Kartik Ullal (IT)	<i>AB</i>
14.	Shivam Kotak	<i>S.K.</i>

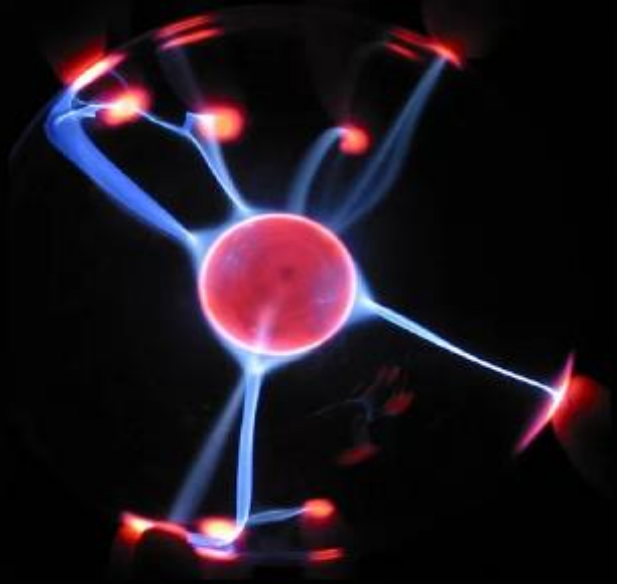
(Handwritten signature)

(Ms. Darakhshan Khan)
Co-ordinator

(Handwritten signature)

Dr. G. T. Thampi
(Principal Nabanita Mandal)
Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 030
Co-ordinator





Training Program Proposal

Target Audience

FE

Prepared For

Thadomal Shahani Engineering College



Date

21st Mar 2019

Dr. G. T. Thampi
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Thadomal Shahani Engineering College
Bandra (W), Mumbai - 400 050.



1. Program Summary

The program includes multiple modules with each module covering various topics in depth to ensure students are well trained and job ready by the time they graduate

2. Modules

Modules to be covered for first year students

- **Coding & Development**
 1. Introduction to Python
 2. Introduction to Git
 3. Introduction to Bitbucket
 4. Web development using WordPress
 5. Web development using Wix
 6. Introduction to creating Bots
- **Product Management**
 1. Wireframing
 - Adobe XD
 - Pencil
 2. Launching mobile apps on ap stores
 3. Introduction to Amazon Web Services
 - EC2, S3, SNS, Route 53, DynamoDB, Lex, Lambda
 4. Using Facebook Business & FB Ads
 5. Using Google for Business



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3. Delivery Methodology & Schedule

Each module shall be delivered through class room training along with assignments/projects to ensure reinforcement. Training for each course/module shall be conducted over a fixed number of hours in a semester. Recommended duration would be 40 hours per semester.

The entire course shall be delivered over 3 weeks. Focus would be on tools and topics related to Product design & development and project management. Some of the topics included would be:

4. Fee Structure

Batch Size	Charges (per student)
25 to 75	₹3499
76 to 150	₹2999
151 to 300	₹2499
300+	₹1999

5. Terms & Conditions

- Sessions shall not be repeated in case of absenteeism
- 100% fees to be paid upfront
- Only students with an attendance of more than 75% shall be awarded the certification

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6. About Us



Mihir K. Malani

Current Role:

- Founder, Nerve Solutions
- Visiting Faculty, BSE Institute Mumbai University

Past Role:

- Head of Risk (Algorithmic Trading), Edelweiss Broking



Nikhil K. Malani

Current Role:

- Founder, Illuminatus Technologies

Past Role:

- Visiting Lecturer, Ngee Ann Polytechnic Singapore (Applications of IT in Business)
- Product Manager, Elevate Learning
- Business Analyst, Infosys Australia

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5.1.3. Hackathon

S.No.	Contents
1.	TSEC-Hacks 2019
2.	TSEC-Hacks 2020
3.	TSEC-Hacks 2021

TSEC Hacks 2019: Event Summary

Convener: Dr. G. T. Thampi (Principal)

Co-convener: Prof. Tasneem Mirza

Co-ordinator (Computers): Prof. Dr. Pallavi Halarnkar

Co-ordinator (IT): Prof. Kumkum Saxena

TSEC Hacks was held for the first time on 6th - 7th February 2019.

Registration Statistics

Event saw 422 registrations in 122 teams from 22 colleges. Each team was asked to specify their top 3 domain choices in order of preference :

First choice:

E-commerce 42 teams - 34.42%

App Development for non-profits – 48 teams - 39.34%

ML in Healthcare 27 teams – 22.13%

Cybersecurity 4 teams – 3.27%

Gamification 1 team – 0.81%

Second choice:

E-commerce 39 teams - 31.96%

App Development for non-profits – 40 teams - 32.78%

ML in Healthcare 19 teams – 15.57%

Cybersecurity 8 teams – 6.55%

Gamification 16 teams – 13.11%

Third choice:

E-commerce 22 teams - 18%

App Development for non-profits – 20 teams - 16.39%

ML in Healthcare 27 teams – 22.1%

Cybersecurity 23 teams – 18.85%

Gamification 30 teams – 24.59%

50 Teams were shortlisted with 176 participants.

Initial Registration Sheet:

https://docs.google.com/spreadsheets/d/1kWtOU90hJ3T9Q_XUiQ4Qs9AlmxscbiGCfL5eJRk1Woc/edit?usp=sharing

Shortlisted Teams Sheet:

https://docs.google.com/spreadsheets/d/1YKolsQJ75v1DWMLsLQ1Iu0DuSUVdZaD5Hj0mHKHQ_1M/edit?usp=sharing

Problem Statement Domains

1. App Development for NGOs

Design a Mobile or a Web Application that uses the concept of Data Visualization and provides the Logistics Information for the smooth running of a Non-Governmental Organization. The NGO would be the one that directly benefits children by helping them in Education, Healthcare and Livelihood in remote villages and slums across different states of India.

2. Cybersecurity

Security is the main concern for data sharing due to its vulnerabilities and confidentiality. Create a portal for sharing of files and data between many clients (users), keeping in mind security concerns that such an application would have to take into account.

3. Ecommerce

Identity Management | Verification, Personalization and more

The expected solution: needs to have the presented ideas fleshed out as a working prototype. API's, Database design, Co-relation logic needs to be working. The UI focus will not be on the e-commerce platform but to demonstrate multiple interactions with a brand. An e-commerce business should be able to personalize their online site based on the data collected. Possibilities for personalization need to be demonstrated with a minimum of three examples

4. Gamification

The Engineering syllabus consists upto 6 new subjects every semester. The concept is "Serious learning, not so boring." The intent of this problem statement is to develop a smart and engaging solution to gamify learning experiences. Choice of engineering subject is left to you.

5. ML in Healthcare

Cancer is the second leading cause of death globally, and is responsible for an estimated 9.6 million deaths in 2018. Globally, about 1 in 6 deaths is due to cancer. Can we use open data available to gain insights to help with the human effort against cancer by aiding any of the given objectives?

- Personal point of view: To predicting likelihood of incidence using a person's demographic / medical history
- Insurance company point of view: To assess cancer risk and decide appropriate policy premium
- Medical researchers point of view: To devise a method to infer the effectiveness of two different treatment plans

- Pharmaceutical companies point of view: To decide which research areas are promising in the coming decade

Judges

→ Mr. Kiran Choudhary

He is currently the Assistant Vice President of Reliance Industry in Ghansoli. He has 20+ years of experience in the domain of Information Technology and holds the degree of Instrumentation Engineering from Pune University. He enjoys working in new technologies like AI, IOT and 3D printing and is an expert in Machine Learning. Since last 2 years he is leading the Data Science Center of Excellence in Reliance industries Ltd., Navi Mumbai. His team is actively involved use of AI/ML in real life business problems.

→ Mr. Bharat Tolani

He is currently a Senior Consultant at Capgemini in Mumbai. He has over 6.5 years of experience in Data warehousing project with tools like Erwin, Teradata, Datastage, Oracle, Tableau, VBA. He has been part of Physical Data Modeler as a Technical Lead and is actively learning new technologies like AWS, Python, Jira Roles.

→ Mr. Gaurav Deshpande

He is currently the Regional Sales Leader in the domain of Cyber Security working all over the world at Tata Communications. He holds special interest for areas such as Information Security, IoT, Mobile Computing and Abstract Technologies. He has also worked in many big companies in the past such as EY, IBM, KPMG etc. Has a strong academic background in Business Administration, Information Security, Network Technology and IT Infrastructure Management.

→ Mr. Nihar Shah

He is the Chief Technology Officer at The MediaHolic Co. He is an experienced Chief Technical Officer & Head of Design and has a good history of working in the information technology, marketing and advertising industries. He is skilled in many languages and technologies such as Java, Spring, SQL, PHP, HTML5, CSS, Javascript, Mobile Applications, Web Design and many more. He completed his Bachelor of Engineering (BE) in Information Technology from Thadomal Shahani Engineering College.

He has co-founded the company Mediaholic and is currently its Chief Technical Officer. Previously, he has worked in Accenture in the domain of software development.

→ Mr. Manish Tamhankar

He is currently a Senior Architect in Capgemini. He has over 15 years of experience in software industry and over 6 years of experience as a Software architect. He is interested in Solution Architect opportunities in Emerging Technologies and is a Lead Architect in many domains such as IoT, Natural User Interface Technologies (NUI), Application Portfolio Rationalization etc. He has worked at various big companies like Larson & Turbo, Hexaware, Directi and many more.

Winners

1st place: ZeroDay - DJ Sanghavi College, App Development for NGOs

Aniket Shahane
Dharmik Parikh
Jashan Banga
Aniruddha Das

2nd place: Django and Mango - DJ Sanghavi College, App Development for NGOs

Harshil Jhaveri
Ananya Malik
Shreya Desai
Swapnil Kadakia

3rd place: Novice - Shree LR Tiwari College, ML in Healthcare

Siddharth Singh
Avinash Chourasiya

4th place: Brogrammers - Rajiv Gandhi Institute of Technology, E-commerce

Nitish Talekar
Saad Ghojaria
Aayush Singh
Deepanshu Sonparote

5th place: Bit by Bit - TSEC, Gamification

Hiba Hussain
Mahima Gupta
Surya Halwasia
Maitreyee Koli

Sponsors

- Adapty
Problem Statement Sponsors, Deliverables: Rs. 35,000/-
- HackerEarth
Innovation and Platform Partner, Deliverables: Use of HackerEarth platform, Tshirts for winning teams
- Cloudsploit
Deliverables: Winners receive 4 months of Plus service (worth \$440) while top 10 teams win 4 months of Basic Service
- Wolfram
Deliverables: Winners receive 4 months of Plus service (worth \$440) while top 10 teams win 4 months of Basic Service
- Hasura
Deliverables: The best app built using the Hasura GraphQL Engine will win a Rs.5000 gift coupon from Flipkart.
- La Pinoz Pizza
Deliverables: Rs. 7,000/-
- Safarnama Cafe
Deliverables: Rs. 1,000/-
- Melting Morsels
Deliverables: 10 food boxes for judges
- Hell Energy Drink
Deliverables: 240 cans of Hell Energy Drink

Committee Members

BE:

Anshul Rawat
Kaustubh Khavnekar
Neha Makhija
Twisha Saraiya

TE:

Ankita Kar
Deetipriya Sen
Krish Shah
Kunal Desai
Neelraj Patil

SE:

Akshay Galgali
Amol Sawant

Chinmay Patil
Harsh Kukreja
Ishita Kotian
Jay Shah
Kenil Shah
Malvika Rao
Rishabh Saini
Ritika Talreja
Rohit Methwani

Volunteers:

Akshay Zantye
Aditi Acharya
Dhyey Parikh
Khushboo Galrani
Khushi Bhuwania
Kushagra Shrivastava
Paras Bhavnani
Priyanka Sheth
Samay Nasta
Shivang Raikar
Suyog Ahuja

Participants Feedback:

<https://docs.google.com/spreadsheets/d/1zdRnPbVnqw6KQaei9Jf7Q7JrzB0PzIzj8qD-OzXuMYk/edit?usp=sharing>

TSEC HACKS 2020

Date held: 05/02/2020 - 06/02/2020

Duration: 24 Hour Hackathon

Registration fee: Rs 210.16/- per team (all inclusive of taxes)

Registration statistics:

	Original	Shortlisted
Number of participants	776	189
Number of teams	211	59

Sponsors:

Organization Name	Task	Sponsorship amount
IIDE	Distributed pamphlets, 2 seminars	Rs 50,000 /-
IMFS	1 seminar	Rs 18,000 /-
IMS	2 seminars	Rs 8,000/-
HELL Energy	Publicity and banner in college	250 cans of energy drink
Dominos	Pizza stall in college	Rs 7,500 /-
Mojo-jojo	Publicity and banner in college	Free coconut water drink
Safarnama	Banner in college	Rs 1500 /-

Prize money (cash):

1st place - Rs 25,000/-

2nd place - Rs 15,000/-

3rd place - Rs 10,000/-

Winners:

- **1st place** - Syntax terror(TSEC)
- **2nd place** - Bits N Bytes (FCRCE)
- **3rd place** - Wanc Coders(AIKTC) and Reactive error(Rizvi)

Judges:

- Dr.V.K. Dhar, Senior Scientist, B.A.R.C
- Mr.Prateek Gupte, VP Product, Haptik
- Mr.Darshan Pania, Lead Android Engineer, CleverTap
- Mr.Bharat Tolani, Senior Consultant, Capgemini
- Dr. Irfan Siddaratam, HOD I.T., K.J. Somaiya
- Mr. Rohan Arora, Co-founder, Bloombench
- Mr.Shravan Agarwal, Co-founder, Rirev

Convener: Dr. G.T. Thampi

Co-conveners: Prof. Tasneem Mirza and Dr. Tanuja Sarode

Co-ordinators: Prof. Darakhshan Khan and Dr. Shilpa Verma

Problem Statements:

Machine Learning:

1) **Movie Recommendation System.**

The prototype should be able to solve the following problems.

- a. Given a particular user_id, find the genre he is most likely will love watching.
- b. Given a particular user_id, find the users he is most similar to
- c. Given a particular movie_id, find the other movies which are the most similar to it.

Dataset: <https://grouplens.org/datasets/movielens/>
Use 'Recommended for education and development section' full dataset of 265 MB.

2) **Topic Detection System**

If-else is a popular topic in Computer Programming in the Java language.

1.Problem Statement: Create an application using NLP that detects whether a given statement is from If-Else chapter or not.

2.Dataset: Link for a few books is given below. Extract the data from the pdfs by scraping..

Example :

Input: "If - Else is a conditional statement."

Output: From the If-Else Chapter.

Input: "I will give a party if Sachin scores a century today."

Output: Not from the If-Else Chapter.

https://drive.google.com/drive/u/0/folders/1ScmXLB_pMKylTIOVYzcbdy4yMNM5hoXM

You can use this link to find other books - <https://libgen.is/>

Blockchain:

1) Blockchain based E-Voting system

Currently, voting in India is done using an Electronic Voting Machine (EVM), which has several problems, namely time-consuming nature, needs a human resource for counting votes/managing, can be tampered with, etc.

A Blockchain-based e-voting system can not only make the whole voting procedure, secured and tamperproof but also allows voters to vote from their smart devices, thus reducing the time consumed.

Counting votes would also be easier and will be subject to fewer inaccuracies and more transparency.

2) Blockchain in Healthcare

Healthcare is an industry where the ability to access information or any omission in a patient's record could be the difference between life and death.

Maintaining patients' previous records is an integral part of the Healthcare Industry. The current scenario puts the onus on the patients to retain physical copies of their medical history which pose inherent challenges like portability and accessibility.

A blockchain-based solution is required that allows patients to add their medical records to the blockchain securely.

This information should be encrypted and only accessible by authorized personnel, which is allowed by the patient.

Such a tamper-proof and secured system would easily bypass the drawbacks of the current paradigm, without sacrificing functionality.

Web/Android App

1) Ecommerce

According to [a recent report by Accenture](#), 91% of consumers are more likely to buy from companies who remember them and provide relevant offers. Further, 83% of them are also willing to share their data in exchange for a personalised experience.

Personalisation can change the current scenario in the Ecommerce Industry.

Make a personalised Ecommerce Website of your choice.

Suggestions :

1)The website should be able to track customers purchases and social media accounts and make a profile out of it.

2)Using this profile:

1. Personalised Home Page can be created; for example, a fitness enthusiast can be automatically redirected to the sports section. It could also have a 'pick up where you left off' section for incomplete orders.
2. Recommendations can be made based on the customers browsing history and purchases/inventory.
3. Further geotargeting can be used to make campaigns based on the user's location.
4. Unique campaigns can be made for the customer during special occasions, for example - 10% discount on cakes on birthdays.
5. Exit-intent campaigns can be used to encourage customers to complete transactions.

2) Social Cause

The Apprentice Project

Brief :

The Apprentice Project (TAP) team (alumni from IIM, TFI, and YIF) aims to build life skills in low-income kids by placing selected high-skilled volunteers in under-resourced schools for one year.

Currently, TAP works with 2500 students across 20+ schools with 200 facilitators.

Every Saturday for three hours the volunteers/facilitators mentor and teach in one of the following verticals based on their skills: Drama, Dance, Music, Public Speaking, Ultimate Frisbee, Electronics & Coding and Visual Arts.

Problem Statement:

1) Selection

The primary job of the TAP team is to select 250 facilitators from 2500 applications; for this, they currently use manual and excel based methods for sending emails and keeping information about the volunteer.

Create a volunteer management solution which can help the TAP team select the facilitators from the three-stage process so that all the emails are automated, and the serial numbers are generated automatically, etc.

The solution should make it easier for one person to manage everything, similar to CRM and ERP software.

2) Operation

For TAP's Operations team create a solution which can automate the communication with facilitators & provide a dashboard to the admin for facilitator management.

Currently, they use Google forms & sheets to collect data from facilitators, and admin staff manually do everything, including sending out Whatsapp messages.

Resources :

Refer "Selections" and "Operations" from TAP Processes PDF

https://drive.google.com/file/d/1-GqtA6AeHPtCKHwdNnxk63_P578SP06j/view

PS: This problem statement requires WhatsApp integration. Please attempt to utilize the relevant API queries.

Photos:



The poster features a central illustration of three people interacting with a large screen displaying a graph, with gears and a crane in the background. Logos for HSNC, TSEC Engineering College, and TSEC CodeCell are at the top. The main title 'TSEC Hacks' is prominently displayed. Key details include the dates (5th & 6th February), registration deadline (27th January), and a cash prize of up to ₹50,000. The organizing team, including the convener and co-ordinators, is listed at the bottom along with social media and website information.

HSNC
THADOMAL SHAHANI
TSEC
ENGINEERING COLLEGE

TSEC
CodeCell

TSEC Codecell Presents
TSEC
Hacks

 Hackathon on 5th & 6th February.
 Registrations open till 27th January.

Contact:
Rishab Saini: 98204 87592 Ritika Talreja: 97699 62696

 **Cash Prizes upto ₹50,000 !**

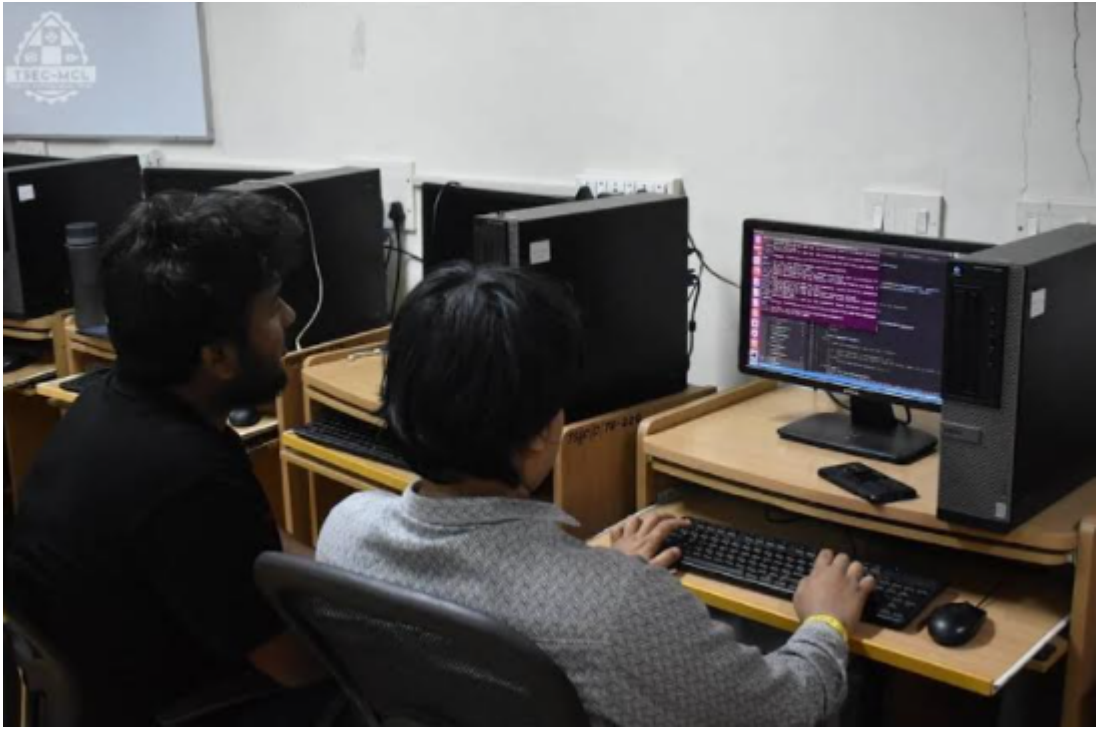
CONVENER
Dr. G. T. Thampi

CO-ORDINATORS CO-CONVENER CO-CONVENER CO-ORDINATORS
Prof. Shilpa Verma Dr. Tanuja Sarode Prof. Tasneem Mirza Prof. Darakhshan Khan

 tseccodecell  Tsec Codecell  tseccodecell.com







TSEC Hacks 2021 Report

Website : <http://www.tseccodecell.com/tsec-hacks/>

TSEC CodeCell, under the able guidance of Prof. Tasneem Mirza, hosted its annual flagship event **TSEC Hacks**, a **40 hour Online Hackathon**, that was conducted from the 26th of March to the 28th of March, 2021. The aim of this competition was to nurture innovation, motivate the participants to code, and foster healthy competition among the participants. The event had participants from different colleges, different streams and different undergraduate levels.

The 40 hour Hackathon was conducted as follows:

- **Day 1 (26th March)** - The Opening Ceremony began at 5 pm followed by the Problem Statement Explanation. The Coding Period for the participants began at 7 pm.
- **Day 2 (27th March)** - The Mentoring Sessions commenced at 10 am and went on till 8:30 pm where the students received guidance from the mentors as to how to improve upon their projects.
- **Day 3 (28th March)** - The Coding Round ended at 11 am, subsequently followed by the Phase 1 of judging. Phase 2 of Judging commenced at 3 pm, and after deliberation by the judges, the winners were announced at the Closing Ceremony.

The Hackathon being an online event was conducted on numerous platforms, particularly WhatsApp, Zoom and Discord. The teams consisted of 2-4 members, with each team having to pay a registration fee of ₹100 after getting shortlisted. The hackathon saw an overwhelming response with a total of 138 teams, consisting of aspiring students from 43 colleges, registering for the event. After much consideration and discussion, out of the 138 teams, 63 teams were shortlisted to compete in the hackathon.

The Publicity for the event was done on CodeCell social media handles (Instagram, LinkedIn, Facebook, Whatsapp), as well as on online event websites such as Dare2Compete. Information about the Hackathon was also circulated among various college groups, and the event was publicized by the CodeCell team in all classes of the Computer, IT, EXTC and BioMedical departments of TSEC.

The participants were required to upload their code to Github at the end of the Hackathon. To aid the participants who were unfamiliar with the framework, a 3-hour workshop on 'Git and Github' was conducted by Harsh Kapadia, a CodeCell committee

member, on the 21st of March. This workshop, attended by approximately 100 people, helped the participants unfamiliar with Git and Github gain a basic understanding of the frameworks and use it for collaboration during the course of the hackathon.

The Domains for the Hackathon were:

1. Web Development
2. App Development
3. Artificial Intelligence and Machine Learning
4. Blockchain
5. Social Cause

Besides the cash prizes the participants/winners were rewarded with other incentives such as:

1. Wolfram Award For Top 10 Teams (Worth \$375 Per User)
2. 90%-70% Discount Coupons For Any Coding Blocks Course
3. SITH Free Course
4. Pair A Dice Cafe Coupons
5. Internships And Mentorship Provided By CertifyMe And SITH

All participants also got access to:

1. Wolfram|One (\$25 For A Month)
2. Repl.it HackerPlan (\$21 For 3 Months)
3. Taskade Unlimited Plan (\$60 For 1 Year)
4. SashiDo Platform Credits
5. 65% Discount Coupons For Coding Blocks Courses

REGISTRATION STATISTICS

Domain	Number of Teams
Web/App Development	37
Artificial Intelligence and Machine Learning	15
Social Cause	9
Blockchain	2

PROBLEM STATEMENTS

Machine Learning

1. Video KYC Application

Analysis of Covid Vaccine

Earlier KYC verification was done in person, but due to COVID-19, banks are trying to implement a way to perform KYC virtually.

KYC: It means Know Your Customer, in which the organization makes some extra effort to verify the identity, suitability and risks involved with maintaining a professional relationship.

Your task is to create a web application in which the user will upload the government documents. The ML model will try to perform some type of verification and verify that the person uploading those documents is a legit user.

Optional Features:

What should happen if the model predicts a false negative?

Try to add any fraud detection system

Your solution will be judged on the basis of the uniqueness of your ML approach and different types of verification methods

2. Invoice Processing System

One major problem in the finance world is that invoice formats are not standard and structured. Extracting useful information from these documents is easy for humans but a challenging task for machines.

Your task is to create a platform where a user will

- upload their invoices in PDF/scanned image
- ML model will extract all of the required information
- Export the data into a JSON/CSV format

ML Model: You need to train a model from scratch on the given dataset or you may use your own data.

Dataset : <https://drive.google.com/drive/folders/1ShltNWXyiY1tFDM5W02bceHuJjyeeJI2>

Example of important information from Invoices:

- Invoice Number
- PO Number
- Invoice Date
- Due Date
- Terms
- Subtotal
- Tax
- Amount Due
- Currency
- Vendor Name
- Vendor Address
- Customer Name
- Other

Optional Features:

The user should have an option to review and validate the captured information from the model

Your solution will be judged heavily on the accuracy of your model.

Blockchain

1. Cryptocurrencies Problem Statement:

A cryptocurrency is a digital or virtual currency that is secured by cryptography, which makes it nearly impossible to counterfeit or double-spend. Many cryptocurrencies are decentralized networks based on blockchain technology—a distributed ledger enforced by a disparate network of computers.

Your task is to create a **Cryptocurrency of your own** and demonstrate Cryptocurrency transactions using animations and dynamic visualisations (wherever applicable).

Your application should demonstrate the process of adding new blocks to the blockchain. The visualization of the block should contain:

1. Index of the Block: Block #1
2. Hash: #00001834d29f33...
3. Previous Hash: #000dc75...
4. Timestamp: Tue, 19 Dec 2017 ...
5. Data
6. Nonce: 1263

It should be capable of demonstrating 3 types of transactions:

1. Reward: Satoshi rewarded with 100 coins for mining a new block.
2. Regular: Satoshi paid Dean 5 coins with a change of 94 coins.
3. Fee: Mining fee of 1 for whoever mines the transaction (Satoshi in the example above).

It is necessary to address the following:

1. How is the value assigned?
2. How can people trust Cryptocurrency?

Reference: <https://coindemo.io/>

You can use:

1. Non-Linear Blockchain structures such as DAG
2. Consensus algorithms like BFT and EOS - dPoS

2. Fake Product Detection System:

There are many fake products that exist in the supply chain and to ensure the genuineness of the product, a system is needed. To check the genuineness of a product, the ownership history of the product needs to be maintained.

Every popular brand has fake manufacturers selling a counterfeited item at cheaper rates. Even the company experts may not be able to distinguish between fake ones and real ones.

Your task is to use Blockchain to find if a product is authentic or not.

The system should work as follows:

1. The manufacturer marks the goods with 2D barcode / QR Code and packs them.
2. At each stop along the supply chain, anyone handling the product will create a record on the blockchain before sending it along to the next link using the 2D Barcode / QR-code.
3. The customers can scan the item's 2D Barcode / QR-code to ensure their authenticity.
4. Once the item is sold, the blockchain should mark the particular product as "sold".

If the product is authentic the application should provide all the details about the product along with the manufacturer, location of the manufacturer, distributor, location of the warehouse,

transportation companies and retailers. The application should also notify the user if the product is fake.

Web/App Dev

1. On-demand car service application

Travelling by automobile has been the most widely used mode of transport. Often while travelling, passengers face the situation of a vehicular breakdown. Passengers are unaware of the car service centres available at remote places.

Create a web/mobile app that will help connect passengers and mechanics when in need.

Suggestions :

- The web/app should support all vehicles like cars, buses or trucks, etc.
- It should display the nearby service centres/mechanics to the passengers.
- Passengers should get the contact information and the scope of service the centres/mechanics provide (Cost charges should be mentioned).
- Once a mechanic is hired by the passenger, a confirmation receipt along with the arrival time should be displayed.
- In case of failure of any mechanical parts of the vehicle, the passengers should have an option to purchase mechanical parts from nearby centres.

2. Course Tracker Companion

Students usually do not have access to resources related to the session they attend. Student's might also miss the session due to technical difficulties.

Create a course tracker that tracks a series of recorded lectures and assists students.

Suggestions :

The course tracker should provide functionalities such as:

- a. Ability to upload recorded lectures.
- b. The teacher should be able to attach lecture notes and references.

The system should be able to crawl the internet for resources to supplement the lecture.

The resources can be:

- Book references
- Academic and/or professional papers
- Tutorials and any other beneficial information.

3. Job reviews for Students

Students don't have a lot of information about the companies that could provide them with job opportunities. Most of the time this information is scattered.

Develop a system for Students to create a Company profile & a score for Campus job opportunities from the following sources -

1. Company website
2. Company Social Media account
3. Posts from the company's officeholders
4. Reviews on Google My Business and Glassdoor

Suggestions -

- a. Students should be able to rate on parameters like
 - Work-Life balance
 - Types of projects
 - Work culture
 - Pay
- b. Students should be able to plan their preparation for placements according to the company
- c. Students should have the option to add company-specific questions to every company
- d. A dashboard for students that helps them track their preparation

4. Online IDE

Build a Real-Time Collaborative coding ide/text editor.

Feature Set:

1. Related to Coding:
 - A. Autocompletion
 - B. Linting
 - C. Syntax Highlighter
 - D. Snippets
 - E. Bracket Matching
2. Cross-Platform Support
3. File System Navigator
4. Language Server Protocol(LSP) Support(Client Implementation)

References:

[LSP Client Implementation](#)

(<https://blog.logrocket.com/how-to-use-the-language-server-protocol-to-extending-a-client-764da0e7863c/>)

Social Cause

1. Vatsalya Trust

Due to the pandemic school children need access to electronic devices like phones, laptops, desktops for their online lectures. Sometimes children could misuse these things by skipping the lectures and instead could access websites and social media platforms. This has resulted in an alarming increase in internet exposure to children.

Vatsalya Trust is looking for a solution that could help the guardians/parents/supervisors of children to get notified in case of any misuse detected. Considering the time constraints, you are expected to come up with a solution with the following features (feel free to add your own ideas):

1. Build a Web/Mobile app/extension where the parents could register a device along with some other contact information.
2. Everytime a browser is accessed from this device and in case of any social media page is accessed during online lectures (for simplicity you may consider Google Meet) or tab is switched, issue a warning to the user. If ignored, report it to the parent/guardian email/phone.
3. Create a log of all the browsing activity the child is doing during online lectures.
4. Disabling this control/tracing should require parents'/guardian's permission.

BONUS:

- Cross-platform integration (mobile and desktop)
- Digital wellbeing reminders

2. Aapka Sahara Foundation

Design a senior-friendly website/app where senior citizens can connect to an ASF volunteer via phone-call/physical meetup

There should be registration pages for both - senior citizen and volunteer along with verification for both using some document

The website/app should show the nearest volunteers(for physical meetup) and then they can schedule a meet-up with the volunteer.

Optional feature

Implement a chat system wherein a senior citizen can chat with other senior citizens (individually and/or in the group) with similar interests

The system should suggest people the senior citizen can/should chat with.

JUDGES

Web Development	AI/ML	Social Cause/Blockchain
Navnath Shinde	Darshan Solanki	Siddhartha Nigam
Rahul Saxena	Ali Mustafa Shaikh	Dr. Vijay Karna (Capgemini)
Neeral Mulchandani	Navnath Shinde (Capgemini)	
Himanshu Totla		

MENTORS

Web Development	AI/ML	Social Cause/Blockchain
Saurabh Daware	Rishit Dagli	Vaibhav Chellani
Vilva Athiban	Aanchal Mishra	
Tanisha Sabherwal		

SPONSORS

1. **CertifyMe - Education Partner**
2. **SITH - Education Partner**
3. **Pair a Dice Cafe - Gaming Partner**
4. **Wolfram Language - Technology Partner**
5. **Repl.it - Technology Partner**
6. **Taskade - Collaboration Partner**
7. **Give My Certificate - Certificate Partner**
8. **SashiDo - Technology Partner**
9. **Coding Blocks - Community Partner**

WINNERS

Position	Team Name	College Name	Members	Cash Prize
First	Team Gravity	Atharva College of Engineering	Raju Potharaju Mayuresh Surve Payal Pawar	Rs. 25,000
Second	Ctrl Alt Elite	Dwarkadas J. Sanghvi College of Engineering	Devanshu Shah Jinay Parekh Palka Dhirawani Vedant Gandhi	Rs. 10,000
Third	DROP TABLE TEAM	Fr. Conceicao Rodrigues Institute of Technology, Vashi	Aditya Unnikrishnan Abhishek Choudhary Gabriel Rajendran Gregory Biju	Rs. 2,500
Third	403_Forbidden	Thadomal Shahani Engineering College	Parth Sunil Cheulkar Varun Mamtora Chiraayu Meghnani Shyren More	Rs 2,500

FEEDBACK

Jury Feedback

https://docs.google.com/forms/u/2/d/19vVmQ5D9_AKOm_FUA-rwh1MahBi7JaBMOz3kYTHelpS/edit#responses

Participants Feedback

https://docs.google.com/forms/u/2/d/1V7UnTWmDGBE6Sz_J-L4gu5nkeCOi6P7OH_4Xuq1G6eA/edit#responses

COMMITTEE MEMBERS

BE:

Amol Sawant
Chinmay Patil
Ishita Kotian
Kenil Shah
Malvika Rao
Rahul Gohil
Rishab Saini
Ritika Talreja

TE:

Aashna Shah
Archit Shinde
Aryan Nayak
Faizan Parabtani
Girish Kewalramani
Harsh Kapadia
Harshavardhan Abichandani
Ishita Deshmukh
Lavesh Tirthani
Monika Jha
Pooja Patel
Poornartha Sawant
Saurav Uppoor
Shlok Jethmalani
Shubham Chettiar
Vaish Devidasani

SE:

Arjun Balamwar
Dheeraj Lalwani
Gaurav Raj
Jash Makhija
Prithvi Rohira
Saket Thota
Sanskriti Yadav
Shubh Mehta

Tanay Kamath
Tushar Nankani