



CSI-SPIT

ANNUAL REPORT

2021-22

Faculty In Charge: Prof. Kailas Devadkar



S. Chaudhary

CORE COMMITTEE MEMBERS:

POSITION	NAME
CHAIRPERSON	Ameya Ranade (TE IT)
VICE CHAIRPERSON	Mihir Nikam (TE IT)
SECRETARY	Smrithi Agarwal (TE IT)
HEAD OF MARKETING & FINANCE	Kaustubh Funde (TE IT)
TECHNICAL HEAD	Rushil Patel (TE IT)
TECHNICAL HEAD	Kushal Shah (SE IT)
HEAD OF EVENTS	Shubham Thakar (TE COMPS)

Subcommittee Members:

POSITION	NAME
Marketing Team	Rushikesh Sangole (SE EXTC)
	Tanya Anupam (SE EXTC)
	Kevin Xavier (SE EXTC)
Events Team	Rahul Shukla (SE IT)
	Aaditya Mehar (SE IT)
	Pranati Bharadkar (SE IT)
Tech Team	Aditya Kharote (SE COMPS)
	Karan Shah (SE IT)
PR Team	Siddhant Mesharam (SE IT)
	Aamav Joshi (SE EXTC)

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	Keyur Pancholi (SE COMPS)
	Vyom Doshi (SE COMPS)
Creatives Team	Shubhan Kadam (SE COMPS)
	Vyom Khare (SE EXTC)
	Suruchi Madhavi (SE ETRX)

Coordinators:

Shubham Vishwakarma (FE COMPS - Data Science)
 Amey Agarwal (FE COMPS - AI & ML)
 Sanika More (FE COMPS)
 Krutuja Bunde (FE EXTC)
 Esha Khot (FE EXTC)
 Faiz Khan (FE CS - AI & ML)
 Deepika Trivedi (FE COMPS - Data Science)
 Nidhish Dhadve (FE EXTC)
 Komal Tarachandani (FE CS - AI & ML)
 Jiya Mehta (FE EXTC)
 Vedant Panchal (FE COMPS)
 Amey Wani (FE COMPS)
 Udit Rao (FE COMPS)
 Vinesh Narayan Nadar (FE COMPS)
 Prathamesh Pardkar (FE EXTC)

Aim:

We are the C.S.I. Student Branch of Sardar Patel Institute of Technology. Formed in 2009, CSI-SPIT is an altruistic society in college initiating workshops, events and



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seminars to explore the cornucopia of information other than the regular curriculum offered by the university.

Objectives:

As part of our endeavor to bring together and assimilate various aspects of technical and non-technical education, a number of seminars and workshops are conducted by professionals imparting knowledge to the students of the college. We also encourage member students to organize events by themselves so that it imbibes in them the skills of management, self-confidence and helps to exchange views and information, learn and share ideas. We at CSI-SPIT aim at exploring the acme within every individual so that they can realize their dreams.

Outcomes:

As a result of our efforts, over the last 11 years, we have successfully created a committee of students that are enthusiastic and driven by the ambition to explore. We have positively impacted the members of CSI-SPIT through our workshops, seminars and non-technical events and fostered the spirit of helping one another learn something new.

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EVENTS 2021-22

1. Internship Webinar

Speakers:

1. Sarika Singh, Google
2. Abhishek Mane, Facebook
3. Palak Davda, Amazon

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Date: 6th August, 2021



The event began with the CSI core team introducing the speakers. After giving a brief introduction and talking about their workplaces they went over their experience as a student and explained the internship process.



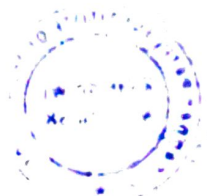
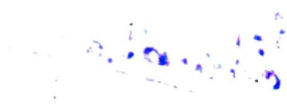
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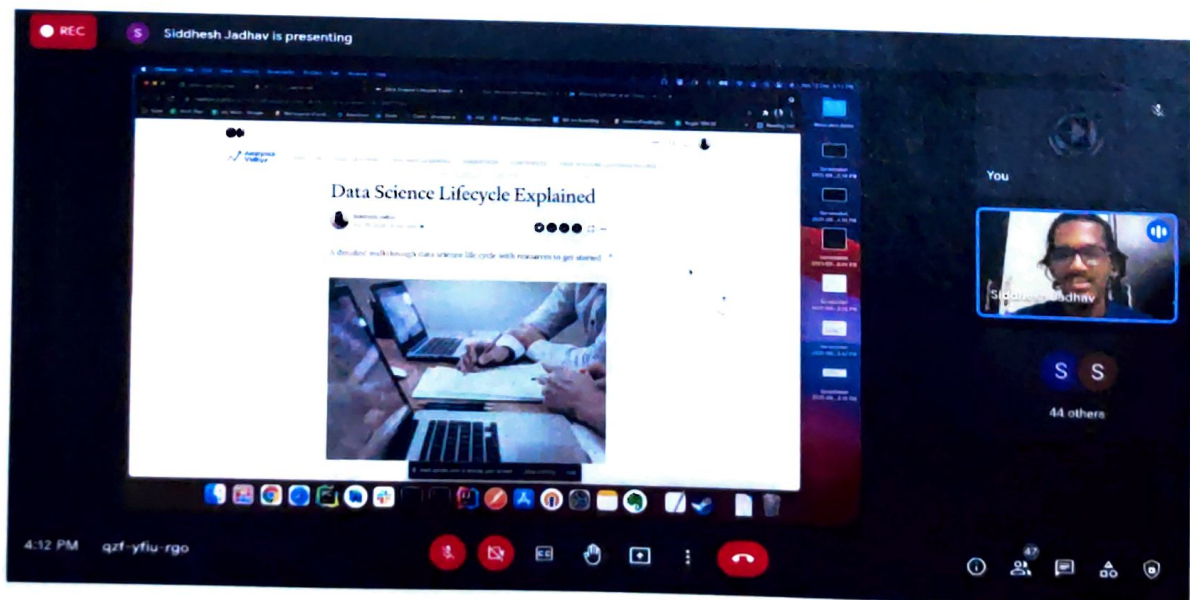
The speakers went over details like the preparation phase and their mindset while preparing for the internships. They also spoke about all the challenges they faced and how they overcame them. They gave a heads up to the juniors about the do's and don'ts they need to take care of while preparing for the internship. Each of the speakers shared ample resources and continue to do so on our discord server. Finally, we opened the session for Q&A.

2. Data Science Hands on Workshop

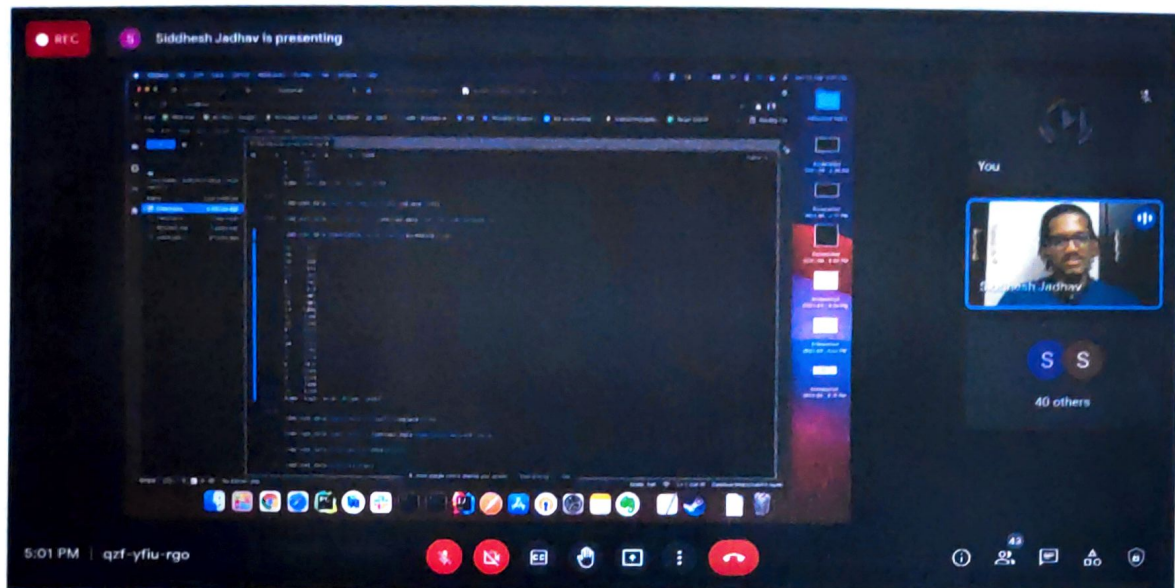
Speaker: Siddesh Jadhav

Date: 12th September, 2021





Siddhesh Jadhav



Flow of the event:

- In the first half of the event, Siddhesh explained the process of exploring data science and the roadmap to being a data scientist
- Siddhesh also worked on a code along project.

The event started by CSI members introducing the speaker and their previous achievements. The speaker gave a brief introduction of data science covering points and scope. The event ended with QnA.

3. Git/Github workshop

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Speaker: Vinamr Bajaj
Date: 24th September

 **EVOLVE**

 **IIC S.P.I.T.**
Institution's Innovation Council

Mark your calendars

05 | FRIDAY
PM | 24.09.21

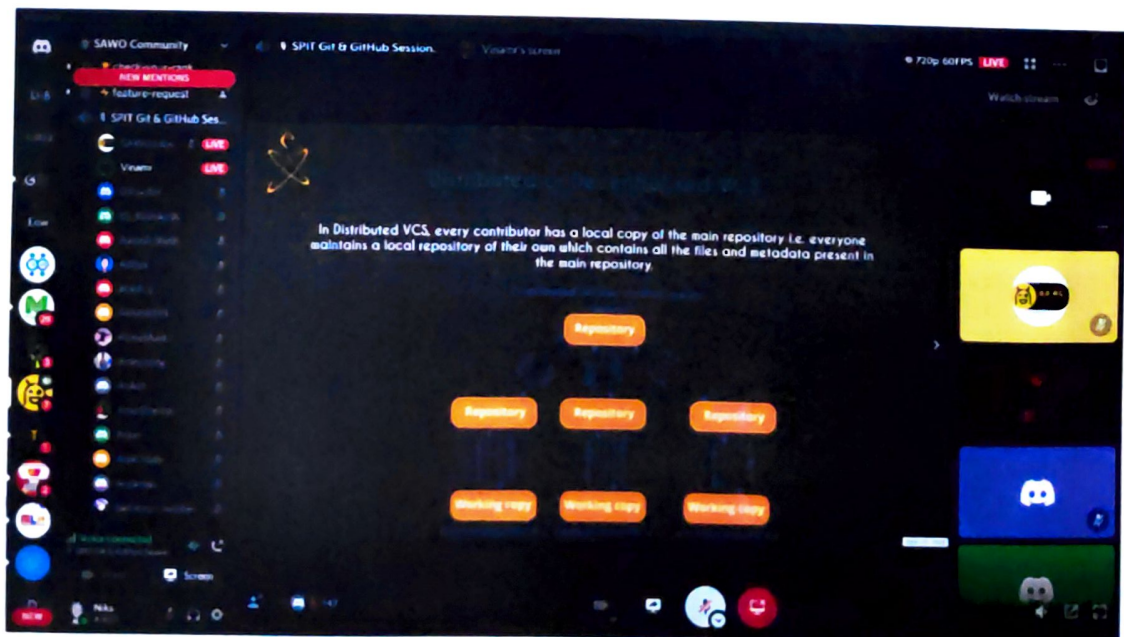
On SAWO's Discord Server

Git & GitHub Workshop

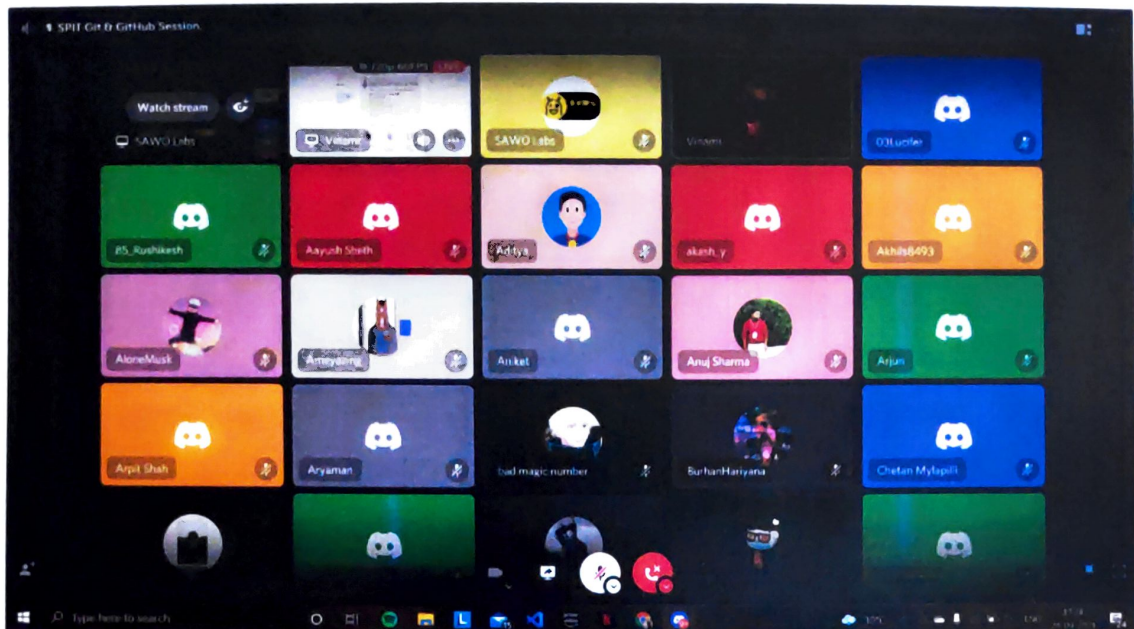
with
Vinamr Bajaj

 csi.spit.ac.in
 [fb/CSI.SPIT](https://www.facebook.com/fb/CSI.SPIT)
 [@csispit](https://www.instagram.com/@csispit)

 **SAWO**



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Flow of the event:

- To get them acquainted with git and github which is essential to work on projects in teams and participate in hackathons
- Speaker will work on a demo project by sharing his screen. Participants can make pull requests on the same repository.
- Introduce participants to the concept of open source contributions.

The event started by CSI members introducing the speaker and their previous achievements. The speaker gave a brief introduction about git and github covering points such as why should we be using git and github what is the scope of it and how it helps you in your projects and the speaker moved on to the workshop wherein the students installed and git and github and showed basic git commands. The event ended with QnA.

Participants who completed all the exercises were given SAWO Lab goodies.



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including the recording of the whole session to all the attendees for their further reference. The workshop concluded with a Q&A session between the attendees and the speakers.

5. CSI Hacktoberfest

Venue: GitHub - Online

Date: 1st - 31st October 2021



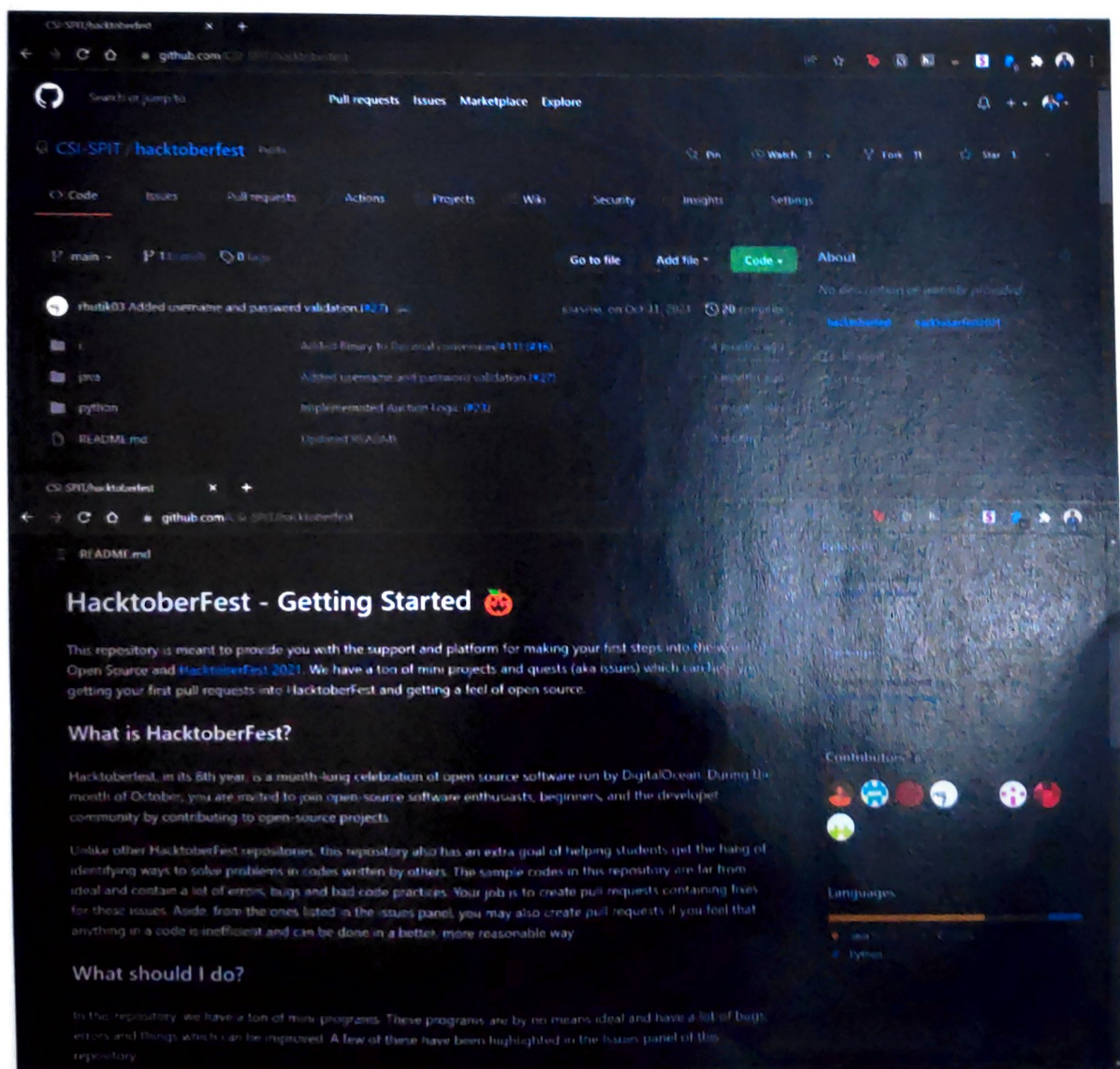
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HacktoberFest is a month-long challenge. It happens every year in the month of October. HacktoberFest is open to everyone and it marks the celebration of open source. It's the biggest open source event that encourages newbies to participate in open source and create their first meaningful PR (pull request).

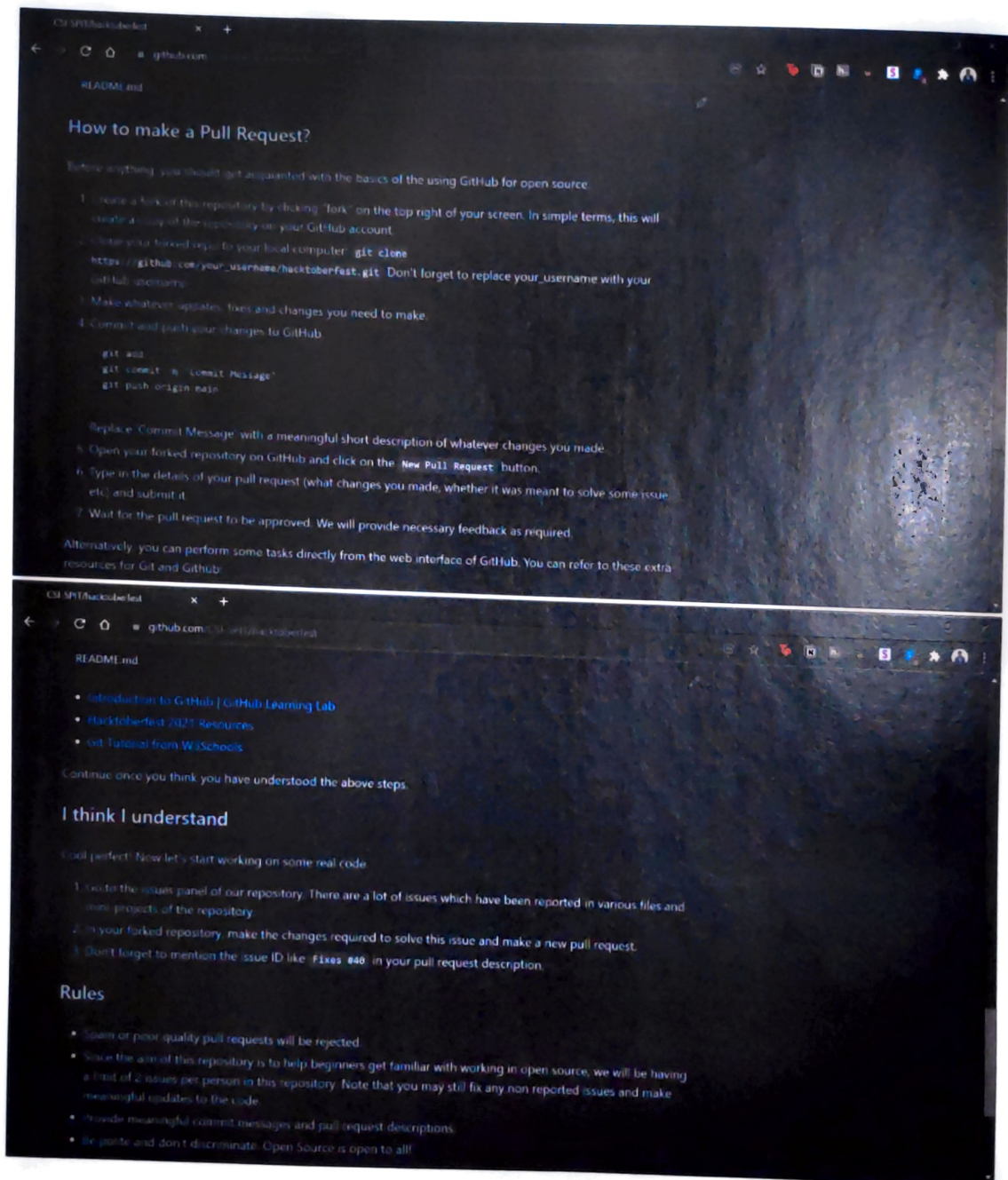
CSI-SPIT organized a repository for HacktoberFest which could serve as the first repository for Open Source contributors. To get students acquainted with Git and its tools. This was an extension of our Git workshop.



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6. Changemaker - Be the Change You Want to See

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Event Name: Solution Pitching Competition

Venue: Gmeet - Online

Date: 1st November, 2021.

To support NGOs and give back to the society by creating an awareness among students, E-Cell S.P.I.T. along with C.S.I-S.P.I.T., conducted a solution pitching competition wherein participants would be providing innovative solutions to real life problems of NGOs.

The NGOs which collaborated with us were Child Rights and You (CRY) and Srujna. CRY was born of a dream to ensure happier childhoods for all children by providing nutrition, quality healthcare, education, child participation and addressing child-related issues. Srujna provides livelihood opportunities to low-income women by empowering them to become role models and changemakers in their families and communities.

The competition had 2 rounds. In the first round, we received individual participation of over 150 and the participants had to choose a domain from either technical or non-technical. The problem statement was based on 'Smart City' and was given according to the chosen domain. Participants had to submit a one-page solution pdf. The technical domain participants were recommended to know about app/website design and the non-technical domain participants were recommended to have problem solving skills.

For the second round, 16 participants were shortlisted and put into 5 teams, with each team having one participant from the technical domain. The problem statements were given by CRY and Srujna and each team was allotted on a first-come-first basis. Each team was given 10 minutes to pitch their solution followed by a 10 minutes QnA round by the judges. The judges on the panel were Ms. Pallavi Yedekar, Mr. Mayur Pateria and Mr. Kaisar Katchi.

Ms. Pallavi Yedekar is the Sr. Manager at CRY. She believes that children are the very foundation of every nation's growth and development aspirations. She has a passion for children's rights which inspired her to enter the social sector in 2010.

Mr. Mayur Pateria leads CRY's corporate partnership team as AGM for the West region and has 9+ years of experience with expertise in resource mobilization, project management, and partnerships. He holds a Masters degree in management from



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Leeds Beckett University, UK and a post graduate diploma in Culture and Media Studies from Tata Institute of Social Sciences, Mumbai.

Mr. Kaisar Katchi is an assistant professor at S.P.I.T. He has an accomplished career, a placement advisor and a professional profile evaluator. He is committed to empowering the youth of the nation and nurturing an entrepreneurial spirit.

The learned panel of judges gave apt feedback to all the participants. Having judges from the NGOs, helped the participants understand the real life feasibility of their solutions.

Although the competition was neck and neck, 3 teams won the competition for their solution's feasibility, creativity and the app design. Cash prize worth INR 16,000 was given to the top 3 teams and certificates were awarded to all the participants who qualified for the second round.

PROBLEM STATEMENTS GIVEN BY CRY AND SRUJNA:

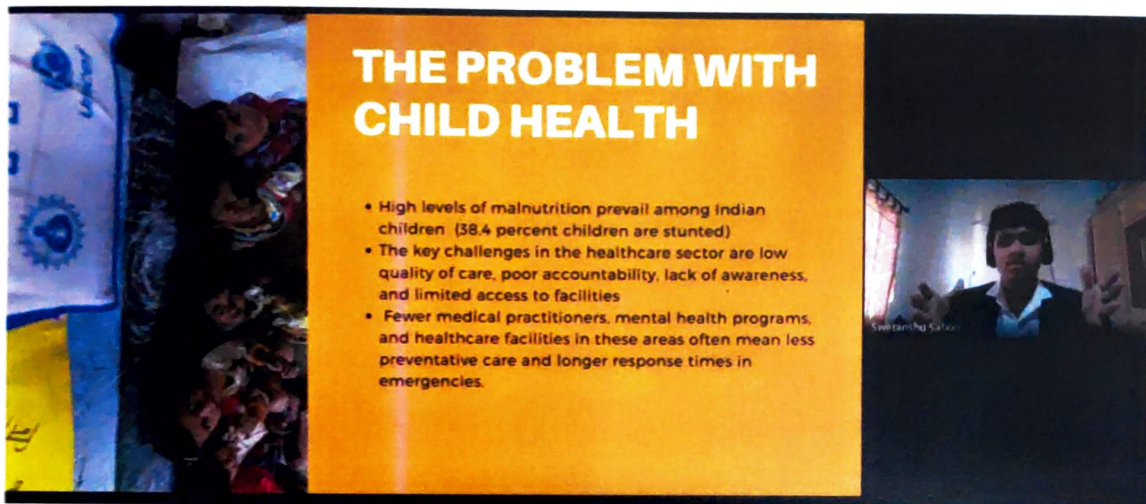
1. Poor nutrition during childhood leaves children with lifelong impairment in physical and mental development. Therefore, investing in nutrition is the key to secure a country's future generation. Unfortunately, COVID-19 has increased the risk factors for child malnutrition in India. With the disruption of Anganwadi services and Mid-Day Meal (MDM), a large number of children no longer have access to regular, nutritious meals. The overburdening of health systems has impaired service delivery of critical health and nutrition interventions for children. Finally, the economic impact of the pandemic has reduced the frequency and quality of meals consumed by households. For this problem, come up with a solution to ensure proper nutrition to the school going kids, who are no longer served with their regular mid-day meals, which was one of the main motivations for them to attend schools.
2. Corporate partnerships are not only a way to help brands meet their CSR objectives, but also create a sustainable impact for India's children. The knowledge, expertise and capabilities of the NGO and that of the corporation are different and may be complementary. As a partner they can often accomplish more than they could standing alone. For this purpose, come up with ideas and a roadmap for execution of those ideas so that corporate employees can engage with CRY and create a mutually beneficial relationship.
3. Today mobilizing the needy women in training programs stands as a major challenge for Srujna. It has been observed that women don't sign up for the training sessions and skill workshops conducted by Srujna for different reasons. Most women who sign up do not show up on the actual days of training and workshop leading to wastage of energy and resources in large amounts. Devise



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a strategy to create awareness among low-income women and increase their involvement in the training programs.

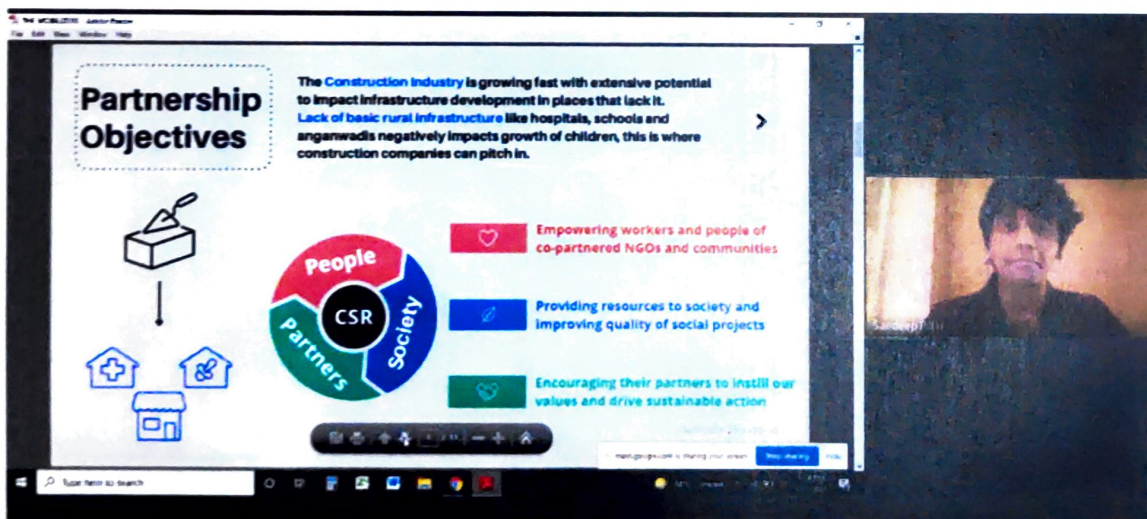
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THE PROBLEM WITH CHILD HEALTH

- High levels of malnutrition prevail among Indian children (38.4 percent children are stunted)
- The key challenges in the healthcare sector are low quality of care, poor accountability, lack of awareness, and limited access to facilities
- Fewer medical practitioners, mental health programs, and healthcare facilities in these areas often mean less preventative care and longer response times in emergencies.

Swasthik Salunke



Partnership Objectives

The Construction Industry is growing fast with extensive potential to impact infrastructure development in places that lack it. Lack of basic rural infrastructure like hospitals, schools and anganwadis negatively impacts growth of children, this is where construction companies can pitch in.

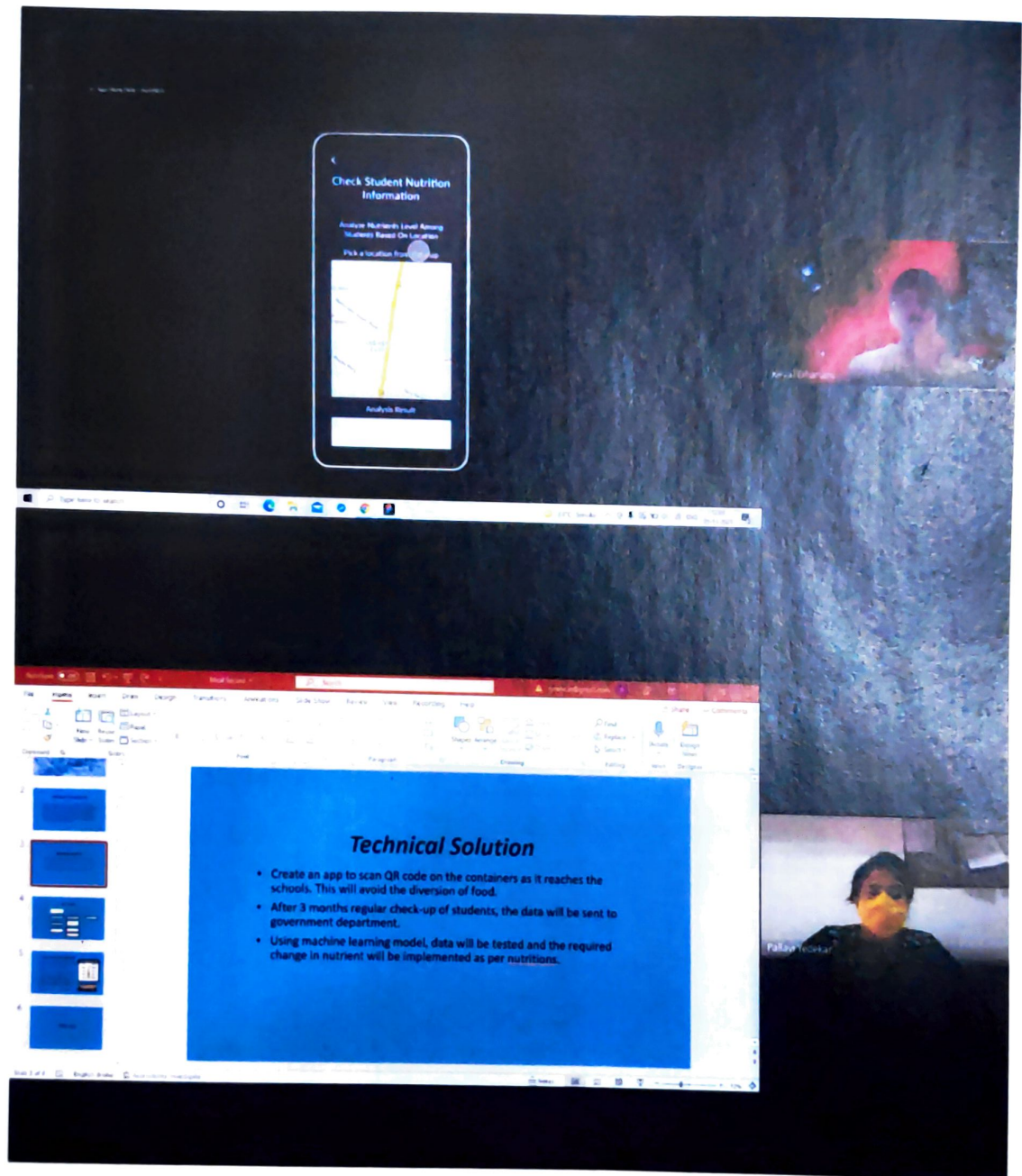
CSR

- Empowering workers and people of co-partnered NGOs and communities
- Providing resources to society and improving quality of social projects
- Encouraging their partners to instill our values and drive sustainable action

Shrudhaini



Shrudhaini



7. S.P.I.T Hackathon 2022



Signature

Venue: Hopins virtual platform
Date: 29th to 30th January 2022

Mentors:

- [Bhavya Meghnani](#)
- [Schezeen Fazulbhoy](#)
- [Labdhi Sheth](#)
- [Ishan Tewari](#)
- [Devang Chhajed](#)
- [Pranjal Bhardwaj](#)
- [Taiyeeba Chikhalia](#)

Judges:

- [Priyank Jani](#)
- [Sourav S.](#)
- [Ravi Verma](#)
- [Sharanabasappa Jade](#)
- [Bhavya Meghnani](#)

Flow of event:

Round 1: Abstract submission on a problem statement on D2C. 48 teams were shortlisted out of a total of 150 teams that registered for the hackathon.

Round 2: A total of 9 problem statements were released on 27th January, 2022.

On 29th January, the hackathon began with an opening ceremony. The Vice-Chairperson of CSI-SPIT, Mihir Nikam talked about the history of our hackathon and introduced our Title Sponsor, Emkay Globals. We then had a presentation from Mr. Sharan Jade, Head HR at Emkay Globals. This was followed by a speech by our honorable principal, Dr. Bhalchandra Chaudhari sir.

Then, the Chairperson of CSI-SPIT, Ameya Ranade explained the flow of the entire event. The event was then declared open.

Problem statements were allotted to the teams post the opening ceremony.

Participating teams were then free to start coding and developing their products.

Mentor Round:

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Mentor Round began at 1 pm on 29th January. 8 mentors were paired to make 4 panels. Each team was given slots of 15 minutes each to discuss their ideas with the mentor pair. The mentors then gave suggestions on how they could improve their applications. The mentor sessions ended at 5pm.

The first day of the event concluded post the mentor round.

Judging Round 1:

On 30th January, the Judging Round 1 began at 11 am. We had 4 judges for the hackathon. Each team was given a slot of 12 minutes (8 minutes for presentation and demo + 4 minutes for Q&A). Post the first judging round, 15 teams were shortlisted. The first judging round concluded at 3 pm.

After an hour of lunch break, we began with Judging Round 2.

Judging Round 2:

The Judging Round 2 started at 4 pm. The 15 teams were given 15 minutes (8 minutes for presenting their ideas and application demo + 7 minutes for Q&A).

Judging Round 2 ended at 8 pm. The judges were given time to discuss the team's presentation and give points to each team based on pre-decided criteria.

Winners:

1st Place: Team Code Squad

2nd Place: Team Ctrl Alt Code

3rd Place: Team War Zone

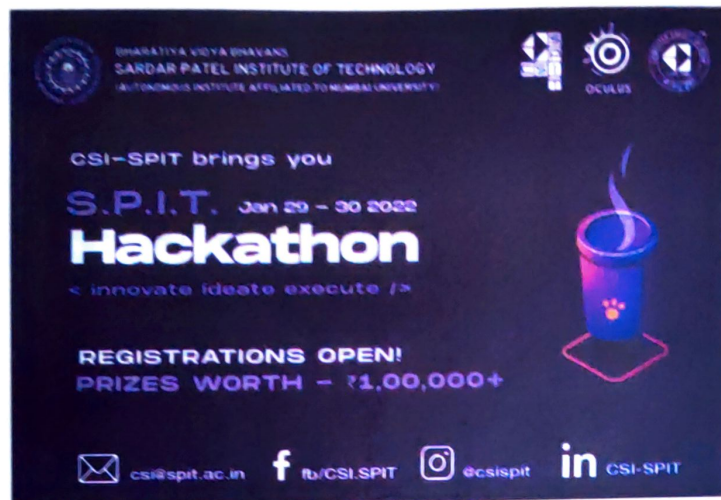
Best UI/UX design: Tech Bytes

Best pitch: Team Carpe Diem

Best Beginner Hack: Team Code of Duty

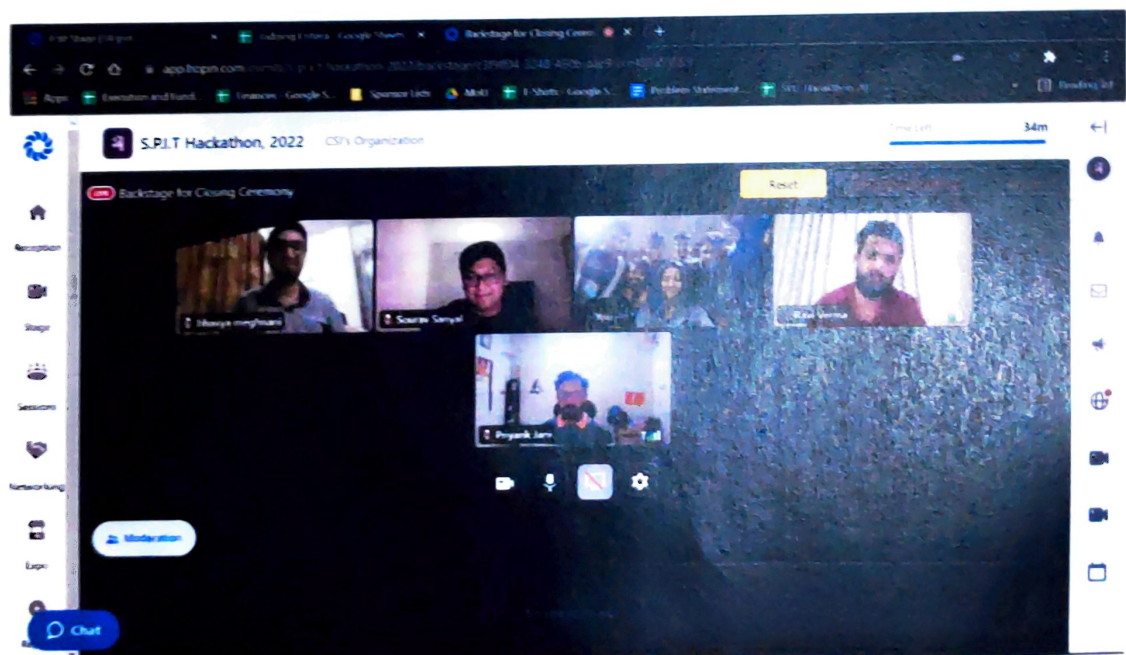
Event poster:





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Closing ceremony:



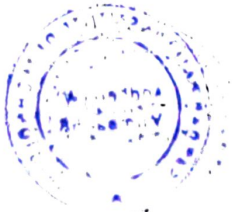
The mentor panel:



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8. CSI Takedown



Venue: S.P.I.T. Labs



Shandharj

Date: 3rd June, 2022.

To provide the first years of our college with a platform to dive into the world of competitive programming, C.S.I. S.P.I.T. organized 'TakeDown 2022' - A puzzle based coding event that makes competitive programming truly competitive.

Students participated in teams of two or solo. Teams were randomly placed in matches against each other and both teams in a match were given the same problems to solve. The team which cracked the problem first received 10 points while the other received an X, post which both teams were assigned new matches. Any team that received three Xs were out of the tournament and matches continued until a single team remained.

The problems themselves were string pattern problems. The teams are given a set of sample inputs and outputs as strings. The teams had to identify the pattern and write a program that converts any such general input to an output using the correct pattern or cipher. Simply put, they had to write a program that converts a given input to a given output.

The event was held in the S.P.I.T. Computer Labs (406 and 408) and took place through the custom 'TakeDown Web Application' developed by C.S.I which supported most major programming languages.

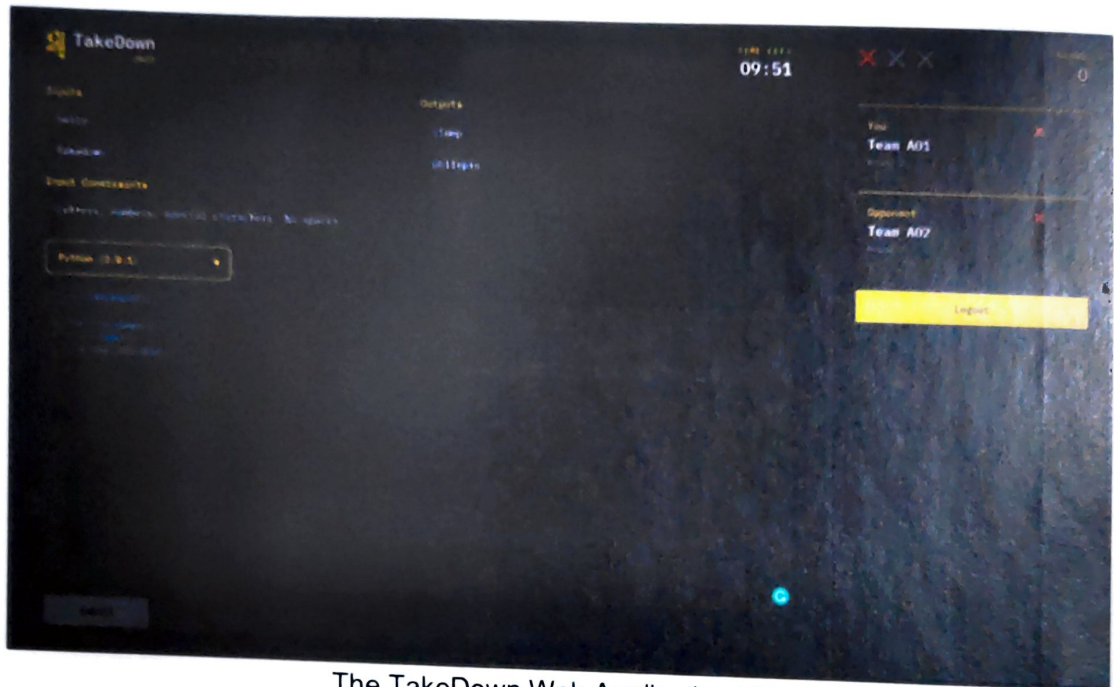
After two and a half hours of intense competition and coding, Ayush Singh and Yash Shingade (SE) took first place with 90 points while Jaivik Parekh and Malay Phadke (FE) came in second place with 60 points.

SCREENSHOTS:



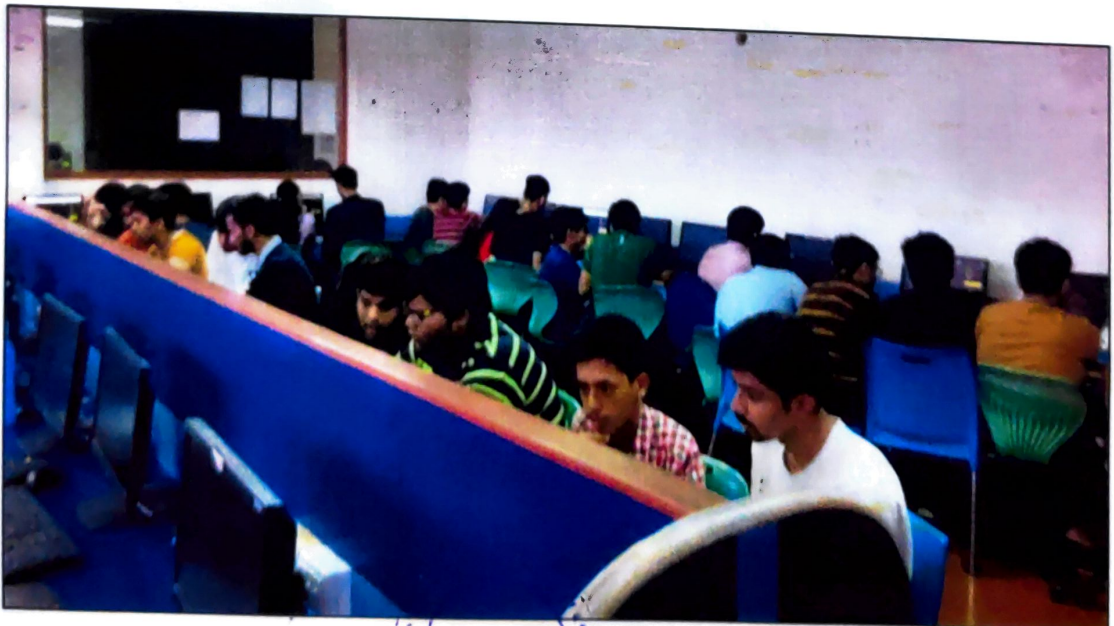
S. Chaudhary





The TakeDown Web Application UI

EVENT PICTURES:



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With virtual setting a constant, CSI conducted events of all kinds. Starting the year off with an internship webinar which saw almost 200 students join in to listen to our alumni's internship and work experiences! We conducted online hands-on workshops on Data Science, Git/Github and organized CSI's very own and first Hacktoberfest! Students were presented with problem statements on a Github repository wherein they made pull requests to append their solutions. CSI also collaborated with E-Cell on an event named Changemaker, first of its kind, where we partnered with NGOs, CRY and Srugna.

Like every year since the pandemic began, we had reservations about having offline events. Just when we thought we were inching towards a completely offline hackathon, we were hit by a new wave. Despite this setback, the entire team of CSI worked diligently and to the best of their abilities to ensure that the hackathon was conducted smoothly. We, the Core Team of 2021-22 are extremely proud to have overcome the challenges that came our way and are grateful to have received the opportunity to conduct such a grand event.

We leave the reins to the incoming committee members for the year 2022-23 to take CSI- SPIT to greater heights!

Signing Off,

Team CSI-SPIT, 2021-22.



Schaudhary