Society of St. Francis Xavier, Pilar's

Fr. Conceicao Rodrigues College of Engineering

Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai – 400 050

(Autonomous College affiliated to University of Mumbai)

5.1.4 Number of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the year (2023-24)

SR. NO	Year	Date of Event	Name of Event	Resource Person/ Organization	No. of Students participated	Page No.
1	2023-24	08-09-2023	My Story - Motivational Session by Successful Innovators	Mr. Avinash Gupta, Founder of Powerzest and Manager of Prime Shades	100	5
2	2023-24	05-09-2023	Startup Ecosystem	Prof. Heena Pendhari	58	16
3		26-9-2023	Social Media Master Class.	Mr. Nachiket Nisal and Miss. Dhwani Rajgaur on behalf of Big Brain Co. and Beer Biceps	80	20
4	2023-24	25-10-2023	Postman Playbook	Mr. Ayush Batra	120	24
5	2023-24	23-08-2023	Problem solving and ideation workshop	E-Cell	120	35
6		9-12-2023	NATIONAL EDUCATION DAY - APPLIED MACHINE LEARNING FOR VLSI DESIGN	DR. VIJAY JOSHI	40	48

7	2023-24	19-01-2024	FEASIBILTY OF THE IDEA	Prof. Unik Lokhande, FR. CRCE	32	51
8	2023-24	19-01-2024	Generative AI and Entrepreneurship	Mr. Bilal Ahmed	41	55
9	2023-24	23-01-2024	Unlock your Creativity	Codelabs CRCE	41	60
10	2023-24	25-01-2024	Design Validation using Double Diamond Approach	Dr. Hemant Khanolkar, CRCE	40	66
11	2023-24	18-10-2023	Innovation Day- Puzzle Pursuit Unleash Your Innovation	E-cell and Institute Innovation Council (IIC)	53	71
12	2023-24	10-08-2023	Idea Competition Phase 1	E-Cell	70	77
13	2023-24	08-02-2024	Creating a product fit and market	Codelabs CRCE	48	84
14	2023-24	09-02-2024	ATAL Tinkering Lab	Mr. Jonathan Dabre	40	90
15	2023-24	28-02-2024	Process of Innovation Development, Technology Readiness Level(TRL)TEDEX	Prof. Prachi Patil, FR.CRCE	49	98
16		24-1-2024	Innovation with Drones and UAVs	Team Mavericks, CRCE	63	103
17	2023-24	23-02-2024	Formula Unicorn	E-Cell and Students Council, CRCE	72	112
18	2023-24	16-01-2024	National Startup Day Smowcode	E-Cell and Mozilla Campus Club, CRCE	146	117
19	2023-24	02-02-2024	Idea Phase 2	E-Cell, CRCE	30	126
20	2023-24	27-02-2024	Entrepreneurship Skills, Attribute and Behaviour	Ms. Sarika Davare	44	132
21	2023-24	22-02-2024	Shark Tank CRCE	ACM, CRCE	48	138
22	2023-24	07-03-2024	Workshop on IPR and IP Management	Dr.Bhushan Patil, CRCE	40	147
23	2023-24	08-03-2024	Phases of Startup	Prof Ankita Amburle	45	151

				Fr.CRCE		
24	2023-24	23-02-2024	PixelEase 2024	Mozilla Campus Club CRCE	32	154
25	2023-24	06-03-2024	Women´s Day UI/UX Competition	WIE, CRCE	71	159
26	2023-24	22-03-2024	Stratagem	GDA,CRCE	30	163
27	2023-24	26-03-2024	How to Plan for Startup with Legal & Ethical Steps	Prof. Swati Ringe, CRCE	42	166
28	2023-24	20-02-2024	CRESCENDO	Students' Council , CRCE	235	173
29	2023-24	20-02-2024	Crescendo - Hack-A-Thon	Students' Council, CRCE	110	197
30	2023-24	20-02-2024	Crescendo Mech-A-Thon	Students' Council, CRCE	62	210
31	2023-24	20-02-2024	Crescendo Elex-A-Thon	Students' Council, CRCE	58	218
32	2023-24	23-02-2024	Robosumo	Students' Council, CRCE	39	226
33	2023-24	17-02-2024	BitNBuild'24 Hackathon	GDSC	320	234
34	2023-24	06-04-2024	Driving Innovation With Prompt Engineering To Harness The Power Of Gen AI	Mr. Pushpak Chhajed (Senior Software Engineer at ClearGlass Analytics)	78	269
35	2023-24	19-04-2024	InnovateX	ACM & GDA	25	273
36	2023-24	16-04-2024	PRAKALP 2.0	IEEE-WIE CRCE	300	278
37	2023-24	15-03-2024	SemiCode	ACM,CRCE	260	283
38	2023-24	05-09-2023	Entrepreneurship and Innovation as a career opportunity	Prof. Garima Tripathi, Department of AI and DS, FrCRCE	53	286
39	2023-24	15-09-2023	Digital Transformation In Startups And Business.	Dr. Shilpa Khandelwal	65	292
40	2023-24	15-09-2023	INGENIUM 2.0	WIE & IEEE CRCE	90	296

41	2023-24	13-09-2023	Usage of Modern Tools in AIML	Mr. Neave Paul, STEM Enthusiast, B.E, FrCRCE	98	301
42	2023-24	1-18-2024	Ideations-Artificial Intelligence	Prof. Ashwini Pansare	46	310
43	2023-24	1-19-2024	Workshop on Design,Critical and Innovation Thinking		49	318

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WEBINAR REPORT

My Story – Motivational Session By Successful Innovators

DATE: 08/09/2023

CSI-CRCE at Fr. Conceicao Rodrigues College of Engineering, Bandra, Mumbai, organized a webinar on Motivational Story Session By Successful Innovators.

Name of the event: **My Story – Motivational Session By Successful Innovators** Guest Speaker: Mr. Avinash Gupta, Founder of Powerzest and Manager of Prime Shades

Date of event: *September 08th 2023, 6:00-7:00PM*

Location of the event: Online event via Google

Meet Number of Faculty members attended: 1

Number of Students attended: 81

The objective of the session was to bring together the young minds to converse about the domain of innovation and startups and the interesting research questions of the audience within this domain.

The Speaker of the session was Mr. Avinash Gupta. He is the Founder and CEO of Powerzest and manages the company Prime Shades. Powerzest has a mission to make the benefits of renewable energy more accessible. It has been backed by India's t

institute, IIT Roorkee, TIDES Business Incubator for Research and business development. He is an Engineer, Entrepreneur, Mentor and an Innovator.

The meeting began with a brief introduction by Mr. Soham Mane(Secretary).

The speaker started off by asking every attendee their thoughts about startup, how did the topic sound to students and their views on it. Thereafter, Mr. Gupta went ahead and educated the audience with his experiences as a founder and CEO of his hardware based company 'Powerzest'.

The audience got to know how an idea with which Mr. Gupta participated in the Smart India Hackathon, saw potential in it, and it went on to become this innovation that is revolutionizing the renewable energy industry.

The speaker through an informative PPT spoke about various aspects of his company like, he displayed their products and the problems solved by those products. A video was displayed which was also used by Powezest to pitch the products in the market. He also showed the audience the numerous awards won by them during the journey and the time they met the Prime minister Mr. Narendra Modi. He guided future entrepreneurs as to which schemes he bagged for funding his vision such as SIH, NIDHI EIR-DST, Social Alpha, BIRAC Grant, DRDO challenge, etc. He then showed his valuable team, how each contributed in his journey especially his Co-founder and former classmate and told us how they all trusted his vision.

In the second half of the seminar, the speaker then opened up the chat to questions which made the session very interactive. A few of them were:

1.How did you decide the pricing of the product?

In the beginning we tried to keep the profit margin low so that more products could be reviewed by the costumers and once our quality products made their name in the market we could slightly increase the margin.

2. What is the first step for launching a product?

Do not be hasty with launching products and marketing, you don't want to be a part of a trend, instead take your time, analyse all the possible problems a user could have and back-test them well before launching.

3. How to decide your core team?

People who are like minded and can envision your innovation like you do.

4. How do you decide where to locate your business?

Hybrid mode is a good option with front office in a metro city so you are easily accessible to clients and also have a team near the testing zone if it is hardware based.

5. How do you know if your idea has the potential to make it big?

Go to hackathons, pitch it to the right people, an idea with potential will never go admired.

6. How to lower the budget without compromising with the product?

Locate your business in a cost effective place and pick up interns for your jobs.

7. Legalities a budding entrepreneur should be aware of?

Filing a patent is crucial as Investors and Incubators trust an idea with a patent.

8. What is a better option for an entrepreneur, bootstrap or external investors?

Both have their own pros and cons, bootstrapping is a very good option is you have funds available if not taking investments too is a viable option.

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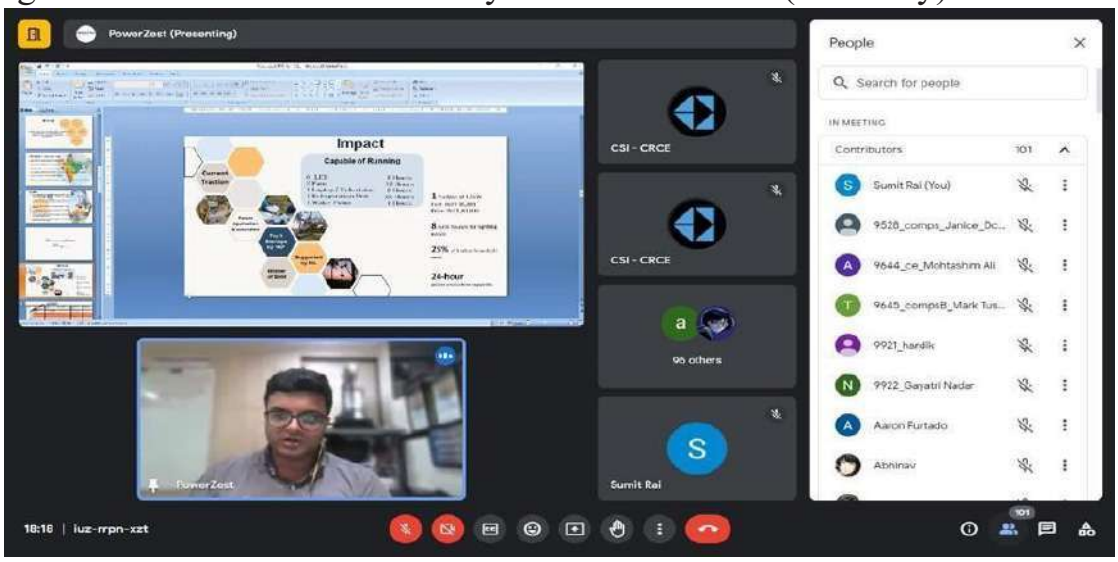
Towards the end of the session, Mr. Avinash Gupta told the audience how the innovators themselves must have utmost faith in themselves and in their innovation to stay strong throughout the journey. The idea is only the first step, the journey depends on how we nurtured the work hard to implement the idea to its full potential.

In summary, the seminar proved to be highly successful by imparting valuable knowledge and practical experience in the realm of startups. It offered a clear understanding of innovation, insights into other successful companies, and guidance on initiating one's own entrepreneurial journey.

The meeting ended with a vote of thanks by Mr. Soham Mane (Secretary).



PowerZest (Presenting)
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Supported by TIDES, IIT Roorkee
Manufacturing partner
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Joel Pawar
Ayush Batra
92 others
Sumit Rai
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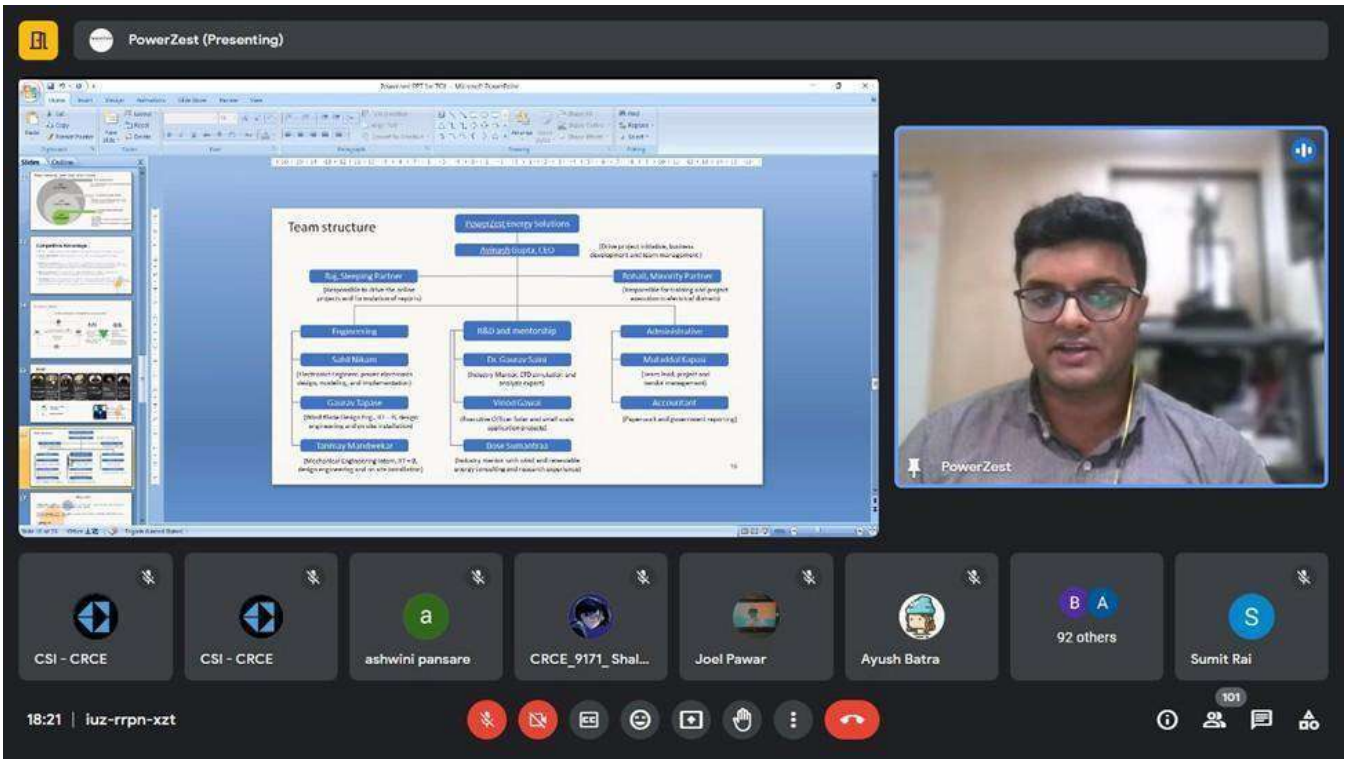
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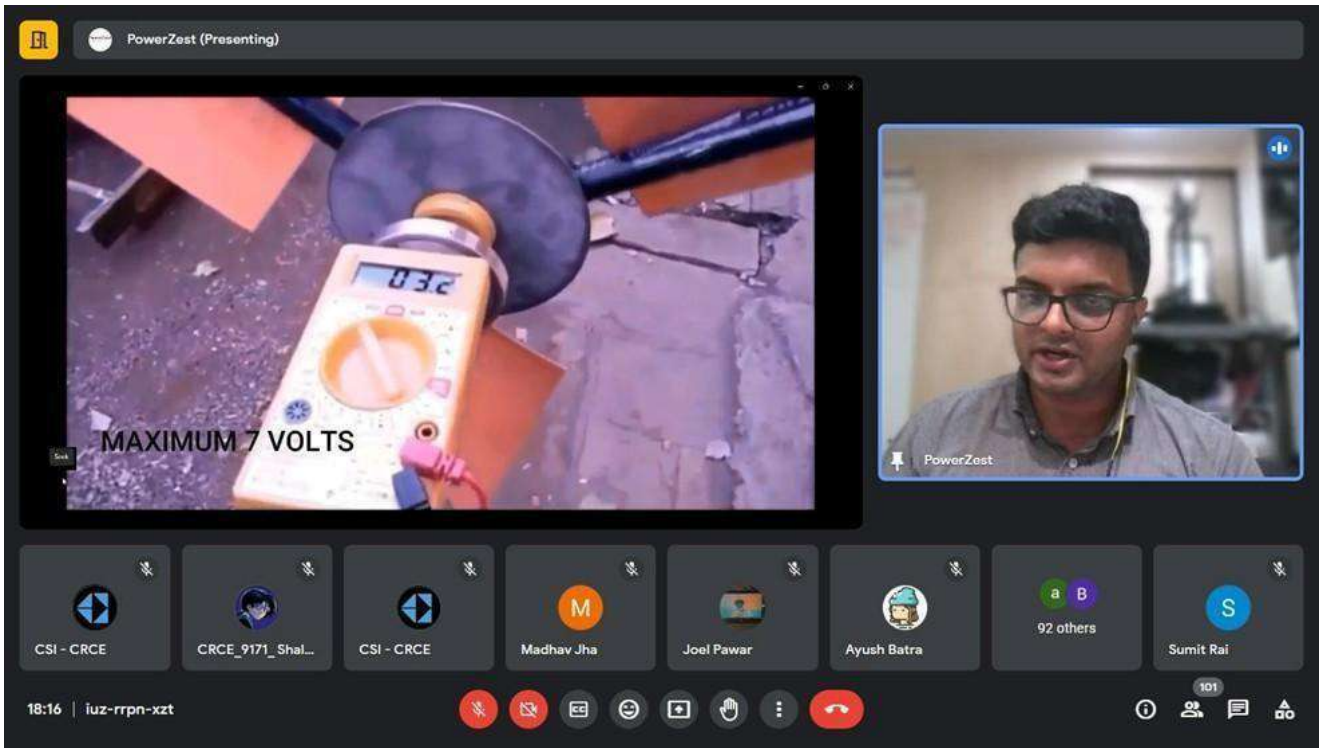
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Ashwini Pansare

(Faculty In-charge)

Mr. Jonathan Dabre

(Vice Chairperson)

Attendance Report

Sr No	Full Name	Year	Branch
1	Jonathan Dabre	T.E	Computers
2	Hemanshu Vaishnav	T.E	Artificial Intelligence and Data Science
3	DASHA DUARTE	S.E	Computers
4	Alroy	T.E	Computers
5	Mohtashim Ali	T.E	Computers
6	Max Gonsalves	T.E	Computers
7	Crystal Fernandes	T.E	Computers
8	Bobby mathews john	S.E	Artificial Intelligence and Data Science
9	VEDIKA VARTAK	S.E	Mechanical
10	Mrugank Worlikar	S.E	Computers
11	Jefin John	S.E	Computers
12	Saahil Fernandes	T.E	Computers
13	Susan Fernandes	S.E	Computers
14	Shalaka Vengurlekar	B.E	ECS
15	Jugal Vaishnav	T.E	Artificial Intelligence and Data Science
16	Aditya Rathod	S.E	Artificial Intelligence and Data Science
17	Jerry Jacob	T.E	ECS
18	Vallen Dsouza	S.E	Computers
19	Vinisha Rajpurkar	S.E	Computers
20	Vedant Chawardol	T.E	Computers
21	Sumit Sanjay Rai	T.E	Computers
22	Sanika Patankar	T.E	Computers

23	Aston Renith Castelino	T.E	Computers
24	Winster Pereira	T.E	Computers
25	Siddhant Murade	T.E	Computers
26	Varshil Sanket Shah	S.E	Computers
27	Adithya Prakash Nair	S.E	Mechanical
28	Steve Samuel Pillai	S.E	Artificial Intelligence and Data Science
29	Cyjil Varghese Kanjirammyalil	S.E	Computers
30	Royce Dmello	T.E	Computers
31	Glendon Dsouza	S.E	ECS
32	Aishwarya Sreejith	S.E	Artificial Intelligence and Data Science
33	Samarth Shetty	S.E	Artificial Intelligence and Data Science
34	Harsh Chitnis	T.E	ECS
35	Lenroy Dsouza	S.E	Artificial Intelligence and Data Science

36	Anugu Vishnuvardhanreddy	S.E	ECS
37	Mhatre Ritesh Manoj	T.E	Mechanical
38	Bhavika Sanjay Pawar	S.E	Mechanical
39	Gaurav Joshi	T.E	Computers
40	Shivprasad C.P	T.E	Artificial Intelligence and Data Science
41	Shlok Madve	S.E	Computers
42	Leora Dias	S.E	Computers
43	Vedant Goraksha	S.E	ECS
44	Glison Pereira	T.E	Computers
45	MARK TUSCANO	T.E	Computers
46	Ayush Pravin Kude	S.E	Mechanical
47	Aditya Vitthal Dhikale	T.E	Computers

48	Slayde Sequeira	T.E	Computers
49	Harsh Devendra Keni	S.E	Artificial Intelligence and Data Science
50	Piyush Santosh Jogale	T.E	Mechanical
51	Ayush Batra	B.E	Computers
52	Alvin Dsouza	S.E	Computers
53	Jess Noel Dabre	S.E	Computers
54	Chhand Chaughule	T.E	Computers
55	Lloyd Louis Aroj	T.E	Computers
56	Janhavi Sachin Shinde	T.E	Mechanical
57	Basilica Anthony	T.E	Computers
58	Siddhant jadhav	S.E	Computers
59	Raina Joyce Raj	S.E	ECS
60	REUBEN SOARES	S.E	ECS
61	Ruchita Rao	T.E	ECS
62	Nash Ramesh Dsouza	S.E	Computers
63	Blaise Gonsalves	T.E	Artificial Intelligence and Data Science
64	Divyal Patil	T.E	Artificial Intelligence and Data Science
65	Angela Dsouza	S.E	Computers
66	JAYDEN COLACO	S.E	Computers
67	Madhav Jha	T.E	Computers
68	Nathan Dias	T.E	Computers
69	Siran Rodrigues	S.E	Computers
70	PRATHMESH MAGAR	T.E	Mechanical
71	Biswas Prakash Paritosh	S.E	Computers
72	Prakash Biswas	S.E	Computers
73	Janice D'Cruz	T.E	Computers

74	Darsh Pravin Virani	T.E	Computers
75	Krushang Nilesh Harsora	S.E	Artificial Intelligence and Data

76	Harshvardhan Trivedi	B.E	Mechanical
77	Shaun Mendes	S.E	Computers
78	Nimish Patil	T.E	Computers
79	Sakshi Bharat Kupekar	S.E	Computers
80	Nash Nelson Dabre	T.E	Computers
81	Soham Nitin Mane	T.E	Computers

Asst . Prof. Ashwini Pansare
(CSI Faculty Incharge)

INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)
IIC-FrCRCE

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IEEE Women in Engineering WIE CRCE

IIC Fr.CRCE and WIE-CRCE organized session on Startup Ecosystem

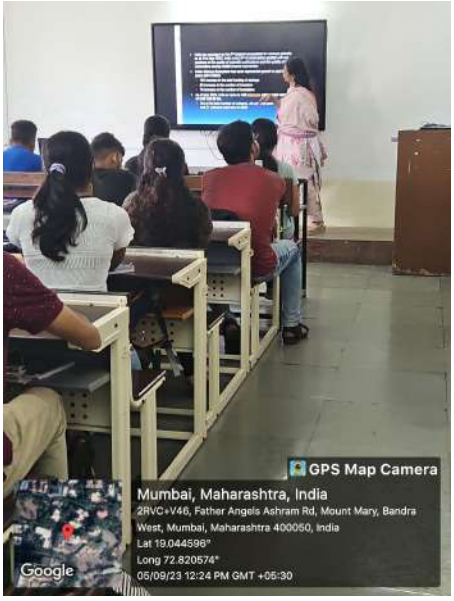
Event Name: Startup Ecosystem
Date: 5th September 2023
Venue: Fr. Conceicao Rodrigues College of Engineering, Bandra
Speaker Name: Prof. Heena Pendhari

IIC-CRCE and WIE CRCE joined forces to host an enlightening seminar on the Startup Ecosystem on September 5th, 2023. The objective was to provide valuable insights to students about navigating the path from innovative ideas to prototype development. The central focus was on guiding students on the funding avenues available to them and the e to bring their product to the market. A total of 58 students representing di , including SE and TE actively participated in the event.

The seminar commenced with a warm introduction by Sania Almedia, a member of the WIE council, who welcomed the keynote speaker, Ms. Heena Pendhari. Ms. Pendhari initiated the session by engaging the students in a discussion about their understanding and perceptions of startups.

Ms. Pendhari offered a comprehensive view of the startup ecosystem, emphasizing its core components and five defining characteristics. She stressed the vital role played by various stakeholders, including major corporations, universities, funding organizations, service providers, research institutions, and support organizations. Additionally, she discussed how hackathons, such as the Smart India Hackathon (SIH), serve as platforms to identify student ideas and support their development.

The speaker shed light on the Indian startup landscape, recounting success stories like TCS, Infosys, VSNL, MTNL, and ticketing portals. She underlined India's position as the third-largest global startup ecosystem. Additionally, Ms. Pendhari discussed the presence of incubator and accelerator centers within college campuses, showcasing the rich resources available to students.



Students received valuable insights into the funding journey, from angel investors to venture capitalists (VCs). The presentation highlighted the challenges faced by startups, including funding and revenue generation. Ms. Pendhari introduced government schemes like 'Startup India' aimed at empowering startup ventures, boosting entrepreneurship, and driving economic growth.

The seminar defined what constitutes a "Unicorn" company and explained the criteria for achieving this status. A list of prominent Indian unicorn companies was shared, providing students with a glimpse of remarkable success stories. Furthermore, the students were informed about government schemes and support mechanisms, particularly during the challenging COVID-19 pandemic year.

The seminar left students with valuable takeaways. They gained a deeper understanding of the startup ecosystem's roadmap, became aware of the resources accessible through incubator centers, learned about various funding agencies, and were informed about the remarkable growth of unicorn companies during the pandemic.

In conclusion, the seminar proved to be an enlightening experience for students, equipping them with knowledge critical to their entrepreneurial journeys. It served as a platform for understanding the dynamics of the startup ecosystem, accessing invaluable resources, and appreciating the remarkable growth of startups in India. The collaborative effort of IIC-CRCE and WIE CRCE in organizing this seminar was met with appreciation from all participants, culminating in the presentation of a letter of gratitude to Prof. Heena Pendhari from Pearl Dsouza a WIE-CRCE council member .

This seminar undoubtedly left an indelible mark on the students, empowering them with insights and inspiration to embark on their entrepreneurial endeavors and contribute to India's vibrant startup ecosystem.

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Seminar Organized by Rotaract CRCE on Social Media Master Class

Event Name: Seminar on Social Media Master Class.

Date: 26th September, 2023

Venue: Samvaad Hall, FR. CRCE, Bandstand, Bandra(W).

Rotaract club of FR.CRCE organized a seminar on Social Media Master Class on 26th September, 2023. The objective of the event was to help students to understand and clear their doubts about the content creation and how the audience can be gained for different content. The event provided valuable guidance about various social media platforms.

A total of 70-80 students attended the session. The session was organized in Samvaad hall.

Mr. Nachiket Nisal and Miss. Dhwani Rajgaur on behalf of Big Brain Co. and Beer Biceps gave highlights about their company. Mr. Nachiket Nisal and Miss. Dhwani Rajgaur are the alumni of the Fr. CRCE and they were thrilled to be back in the campus. Mr. Nachiket Nisa currently works as the Chief Operating Officer for Beer Biceps and Miss. Dhwani Rajgaur works as the Head of Content and Operations for BigBrainco. Along with them, the core team of BeerBiceps as well as BigBrainCo were present for the seminar.

Mr. Nachiket Nisal

Miss. Dhwani Rajgaur

The session began with the speakers questioning how many of them watch YouTube and Netflix. The speakers told how and why the audience is distributed among different social media platforms. Then the speakers shared some very valuable insight about how the audience has shiGed to short videos due to the introduction of reels and the audience for longer videos has reduced.

The speakers then went into how and why they came up with the idea for their new channel Raaz. A detailed explanation on how a long video can be made more entertaining and engaging was given to the students followed by a video from Raaz YouTube channel to demonstrate the type of videos that are being made by them. The script writer and editor play a crucial role in creating content was emphasized.

The session was followed by question-and-answer session wherein there was active participation and interaction from the audience during which they cleared all the doubts they had regarding creation of social media content.

Some of the questions asked by the audience included:

- On what basis do the YouTubers get paid?
- How the YouTube reach of a channel be increased?
- On what basis can you get sponsorship for your channel?

The outcome of the event was that all the attendees had gained a better idea regarding social media platforms and content creation while also receiving motivation and drive to chase aGer their own dreams. They also gave an offer for internship to those who wished to. The session emphasized on the importance of having a creative mind and for applying it to videos, the need for proper editing skills along with a good script.

The participants provided excellent feedback. All the students were eager to get advice from Mr. Nachiket Nisal and Miss Dhwani Rajgaur. The Seminar on Social Media Master Class was a huge success thanks to the presenters', council members', and attendees' active engagement.

REPORT: POSTMAN PLAYBOOK

Day 1 : "What is an API?"

DATE: 25/10/2023

Session Plan:

Sr.No.	Time	Contents
1	***25th October at 7:00 pm***	Overview of the session
2.	***25th October at 7:15 pm***	Basic concepts of API were discussed
3.	***25th October 7:30 pm***	Applications of API were discussed
4.	***25th October at 7:45 pm***	Question-Answer rounds were held

Postman Playbook : Day 1 event was addressed by Mr. Ayush Batra and was made successful through online medium on 25th October 2023.

Name of the event: ***Postman Playbook***

Date of event: *October 25th 2023, 7:00 PM*

Location of the event: *Online on Google Meet*

An informative session for engineering students on the theme "What is an API?" along with related technical aspects.

What to expect:

Technical content:

The speaker provided valuable insights into the basics of API, its types and its applications in today's world.

Guidance and mentoring:

The event predominantly focused on offering guidance and insights about the basic knowledge of API and preparing the students for Day 2 event along with focusing on its applications and use in the current era.

25th October at 7:00 pm:

The event began with an opening keynote and an introduction of today's session, setting the stage for the speaker to take over and lead the discussion.

25th October at 7:15pm:

The speaker led an engaging session focused on the basic meaning of APIs, providing a comprehensive overview of their significance in the world of engineering and the wide array of available types. Additionally, the session delved into the essential topic of API authentication, shedding light on the various methods employed to secure and control access to these interfaces, ensuring a well-rounded understanding for the students.

25th October 7:30 pm:

The speaker also demonstrated the practical application of APIs by showcasing their role in services like Spotify, effectively elucidating how these concepts are crucial in the modern digital landscape. Moreover, the session was enriched with numerous real-world examples, making it engaging and relatable for the engineering students in attendance.

25th October at 7:45 pm:

The session concluded with an engaging question-and-answer round, during which students demonstrated their keen interest in the topic by actively participating, asking insightful questions, and seeking further clarification on API-related concepts.

Day 2 : "Postman Student Expert"

DATE: 26/10/2023

Session Plan:

Sr.No.	Time	Contents
1.	***26th October at 1:30 pm***	Started with registration for postman student expert program
2.	***26th October at 1:45 pm***	Started with fundamentals of API and Postman
3.	***26th October at 2:00 pm***	Setting up Postman workspace and collection
4.	***26th October at 2:15 pm***	Making the first request in Postman
5.	***26th October at 2:30 pm***	Working with query params and path variables
6.	***26th October at 2:45 pm***	Making first Post request on Postman

Postman Playbook : Day 2 event sponsored by Red Bull India was addressed by Mr. Soham Parab, Mr. Chhand Chaugule, Mr. Aston Castelino and Mr. Zane Falcao and was made successful at Seminar Hall(1st flr) on 26th October 2023.

Name of the event: ***Postman Playbook***

Date of event: *October 26th 2023, 1:30 PM*

Location of the event: *Seminar Hall(1st Floor)*

A hands-on workshop for engineering students on becoming a Student Postman Expert.

What to expect:

Technical content:

Participants can anticipate an in-depth exploration in API's, starting with a comprehensive introduction to APIs and Postman. The session will cover essential concepts, workspace setup, collection organization, and practical hands-on experience, ensuring a thorough understanding of API fundamentals.

Guidance and mentoring:

The session offers valuable guidance and mentoring from the speaker throughout the journey. From program registration to the practical application of APIs in Postman, students can expect support, insights, and the opportunity to actively engage in Q&A sessions to enhance their learning experience.

26th October at 1:30 pm:

The session commenced with the registration process for the Postman Student Expert Workshop, reflecting the students' proactive involvement in exploring practical aspects of API utilization

26th October at 1:45pm:

The introductory segment delved into the foundational concepts of APIs and Postman, providing students with a comprehensive understanding of the tools and their significance in modern engineering practices.

26th October 2:00 pm:

Participants were guided through the step-by-step process of establishing a dedicated Postman workspace and organizing collections, emphasizing the importance of structured project management for efficient API testing and development.

26th October at 2:15 pm:

A pivotal moment in the session involved the demonstration of initiating the first request within the Postman environment, highlighting the hands-on nature of the learning experience and encouraging students to apply their newfound knowledge.

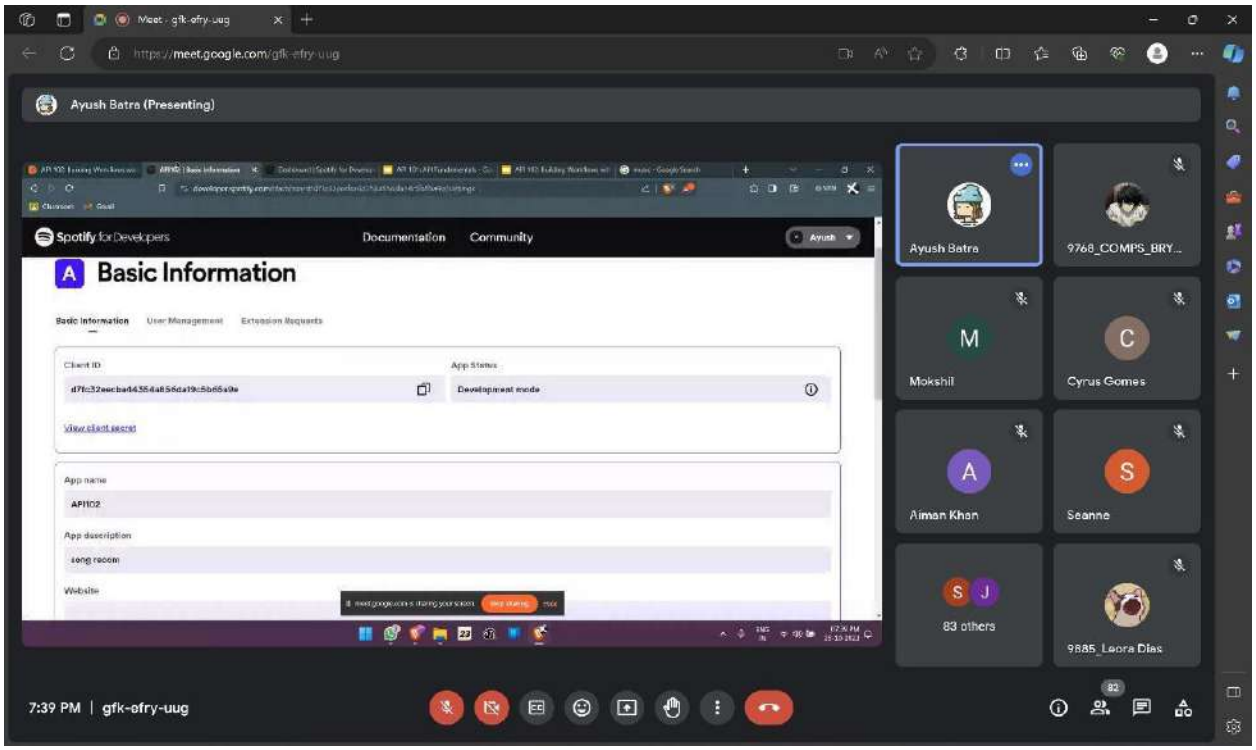
26th October at 2:30 pm:

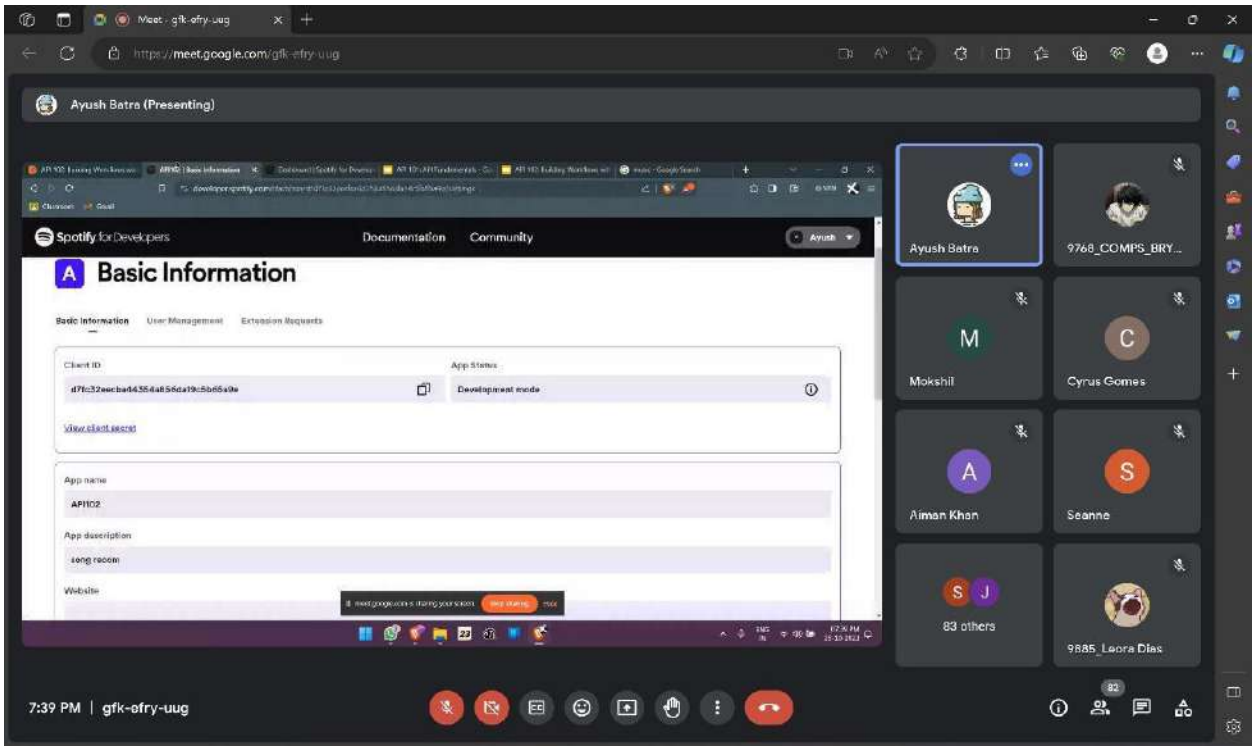
The session continued with an in-depth exploration of query parameters and path variables, enabling students to grasp the intricacies of customizing API requests for specific use cases, promoting adaptability and versatility in their projects.

26th October at 2:45 pm:

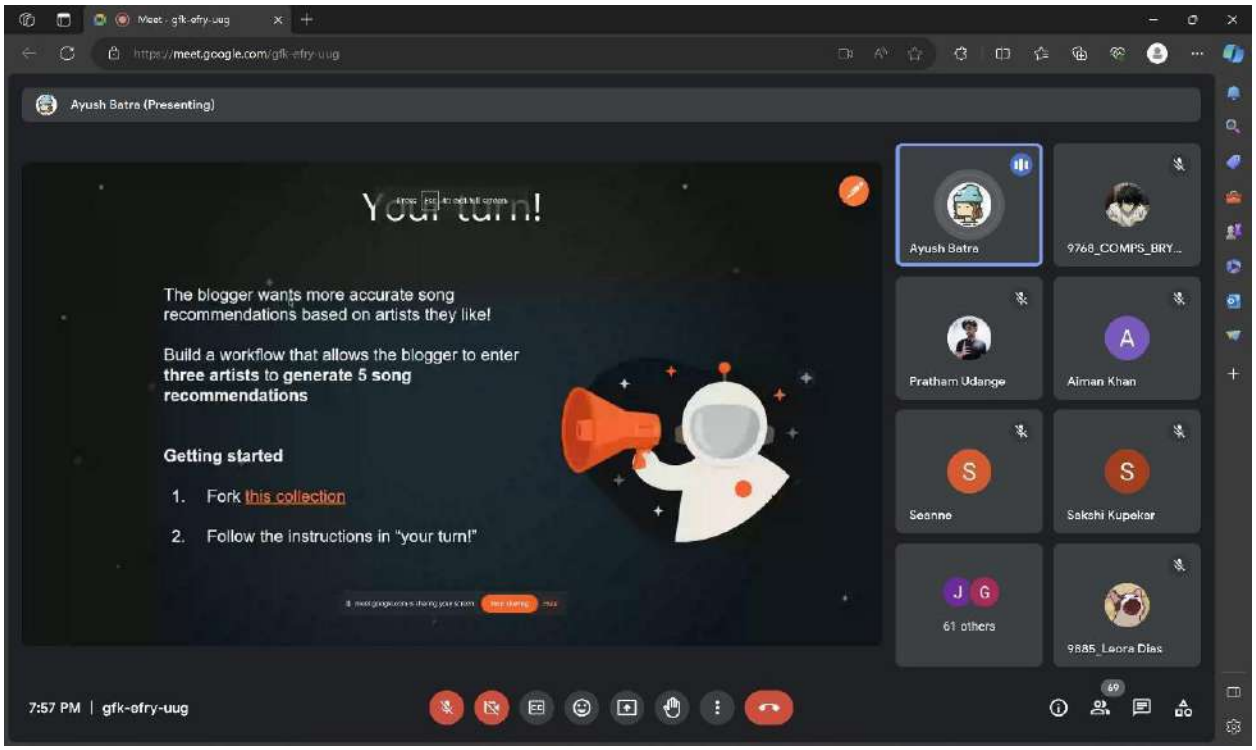
A notable milestone was reached as students were guided through their first POST request in Postman, enabling them to grasp the practical implications of creating, updating, and manipulating data through APIs, further enhancing their technical skills.

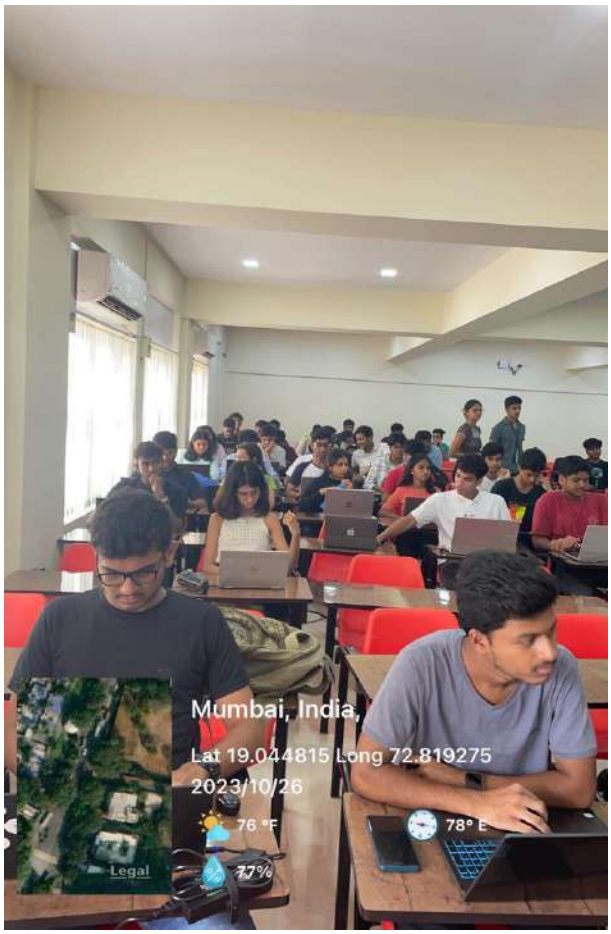
Ayush Batra (Presenting)
API Keys
Your invitation to use the API
API Key
a4db08b7-5729-4ba9-8c08-f2df493465a1
API keys are alphanumeric strings that provide basic access to the API's services and data.
These allow developers to impose rate limits and revoke access in a ToS violation.
Ayush Batra
9768_COMPS_BRY...
Mokshil
Cyrus Gomes
Sakshi Kupekar
Seanne
86 others
9885_Leora Dias
7:24 PM | gfk-efry-uug


Ayush Batra (Presenting)
Spotify for Developers
Documentation
Community
Basic Information
Basic Information
User Management
Extension Requests
Client ID
App Status
Development mode
View client secret
App name
API102
App description
song recom
Website
Ayush Batra
9768_COMPS_BRY...
Mokshil
Cyrus Gomes
Aiman Khan
Seanne
83 others
9885_Leora Dias
7:39 PM | gfk-efry-uug


Ayush Batra (Presenting)
Spotify for Developers
Documentation
Community
Basic Information
Ayush Batra
9768_COMPS_BRY...
Mokshil
Cyrus Gomes
Aiman Khan
Seanne
83 others
9885_Laora Dias
7:39 PM | gfk-efry-uug

Ayush Batra (Presenting)
Types of Auth in APIs
A brief history
Username: postman
Password: ******
Basic auth
Simple HTTPS auth method using username and password credentials to verify users
API Key
Basic authentication using an alphanumeric string for verification.
OAuth
Sophisticated auth method using a series of tokens and IDs to authorize requests
Ayush Batra
9768_COMPS_BRY...
Mokshil
Cyrus Gomes
Sakshi Kupekar
Seanne
86 others
9885_Laora Dias
7:23 PM | gfk-efry-uug


Meet - gfk-efry-uug
https://meet.google.com/gfk-efry-uug
Ayush Batra (Presenting)
Your turn!
The blogger wants more accurate song recommendations based on artists they like!
Build a workflow that allows the blogger to enter three artists to generate 5 song recommendations
Getting started
1. Fork this collection
2. Follow the instructions in "your turn!"
Ayush Batra
9768_COMPS_BRY...
Pratham Udange
Aiman Khan
Seanne
Sakshi Kupekar
61 others
9885_Leora Dias
7:57 PM | gfk-efry-uug


Mumbai, India,
Lat 19.044815 Long 72.819275
2023/10/26
76 °F
78° E
77%
Legal

Bullock Road, Bandra West,
Mumbai, India, 400050
Lat 19.044678 Long 72.819935
2023/10/26
76 °F
218° SW
77%
Legal

GPS Map Camera
Mumbai,MH,India
Bandra West, Mumbai, 400050, MH, India
Lat 19.044285, Long 72.820087
10/26/2023 02:12 PM GMT+05:30
Note : Captured by GPS Map Camera

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai – 400 050

INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiative)
IIC-FrCRCE

REPORT: Problem solving and ideation workshop

DATE: 23/08/2023

Session Plan:

Sr.No.	Time	Contents
1	***23rd August at 12:15 pm***	Opening Keynote.
2.	***23rd August at 12:20pm***	Session on implementation and learning of skill set by speaker
3.	***23rd August 12:35 pm***	Session on ideation, startups and hackathon by speaker
4.	***23rd August at 12:50 pm***	Redbull break
5.	***23rd August at 1:00 pm***	Session on networking, internships and college clubs by speaker
6.	***23rd August at 1:15pm***	End of event

Future Forge was sponsored by Red Bull India. The collaboration made this event successful at Samvaad on 23rd August 2023.

Name of the event: Problem solving and ideation workshop

Date of event: *August 23rd 2023, 12:15 PM*

Location of the event: *Event was held at Samvaad*

An introductory event where the students were led and mentored by 3 speakers, providing insights into the extensive realm of computer science and its interconnected facets.

What to expect at Future Forge

Technical content:

The speakers provided valuable insights into technical facets including networking, internships, and college clubs, addressing skill set development, implementation, and ideation's role in understanding the field comprehensively, alongside emphasizing start-ups and hackathons.

Guidance and mentoring:

The event predominantly focused on offering guidance and insights, enlightening attendees about networking, internships, and college club opportunities, while also stressing practical skill enhancement, idea incubation, start-ups, and hackathons as integral experiential learning components, providing a holistic preview of the event's technical emphasis.

23rd August at 12:15 pm:

The event commenced with an opening keynote and the welcoming of the speakers. After a brief introduction of the speakers the overall schedule and flow of the event was announced.

23rd August at 12:20pm:

The speaker conducted a session dedicated to the implementation and learning of skill sets. Participants gained valuable insights into practical skill development as the speaker shared expertise and real-world examples. The session offered a hands-on approach, allowing attendees to grasp essential concepts through interactive learning.

23rd August 12:35 pm:

The second speaker conducted an engaging session, diving into the realms of ideation, startups, and hackathons. Attendees gained a deep understanding of the ideation process and its pivotal role in innovation. The speaker further highlighted the dynamics of launching successful startups and the transformative learning experiences that hackathons offer.

23rd August at 12:50 pm:

Taking a "Red Bull break" was a revitalizing experience, as the energizing beverage provided a burst of refreshment and invigoration. The short pause allowed for a rejuvenating moment, recharging both mind and body. With each sip of Red Bull, a renewed sense of alertness and energy washed over, making the break a brief yet impactful interlude.

23rd August at 1:00 pm:

The speaker conducted an informative session on various crucial aspects, beginning with networking, followed by insights into lucrative internship opportunities, and concluding with an exploration of the significance of engaging in college clubs. Through this session, attendees gained valuable perspectives on how networking, internships, and college clubs contribute to personal and professional growth.

23rd August at 1:15 pm:

The event ended with a thankyou note to all the speakers and the audience for their wonderful engagement and enthusiasm.

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Google Developer Student Clubs
Future
Forge
Engineering Insights for Tomorrow's
INNOVATORS

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INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiative)
IIC-FrCRCE

Institute Innovation Council –Fr.CRCE (Mumbai)

Faculty Attendance

Session Topic: Future Forge. **Date:** 23/8/23

Sr.No.	Name	Department	Signature
1	Shravya Shetty	Comps A	Shravya
2	Shreya Mishra	CompsA	Shreya
3	Siddhesh Kulkarni	ECS	
4	Anuj Naik	ECS	Anuj
5	Gideon Mpe	ECS	
6	Ralph D'souza	Comps B	Ralph
7	Justin D'souza	~~Aos~~ Comp A	
8	Harsh Dalvi	Comp A	Hdalvi
9	Nishant Maurya	Comp B	Nmaurya
10	LARISSA MARTIS	COMPS A	
11	CRYSLINE CORREA	COMPS A	
12	SOHAM MOKASHI	COMPS A	Soham
13	SONIA PIMENTA	COMPS A	Pimenta
14	Steffi Peter	COMPS A	Steffi
15	ANDRONICUS	COMPS A	Andro
16	Aayush Belamkar	ECS	Aayush
17	Roshan	TE ECS	Roshan
18	Aditya	TE ECS	Adi
19	Jerome James	TE ECS	
20	Karan Rajput	ECS	
21	Kaustubh Patankar	ECS	
22	Nivedita Kokane	ECS	Nkokane
23	Aaditya Malap	ECS	Amalap
24	Steve Sequeira	ECS	S Sequeira
25	Bleson Wartikar	TE ECS	
26	Kartik Khade	TE ECS	
27	Gilan Poonawala	TE ECS	
28	Saaqib Shaikh	TE ECS	Saaqib

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INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiative)
IIC-FrCRCE

Institute Innovation Council –Fr.CRCE (Mumbai)

Faculty Attendance

Session Topic: Future Forge **Date:** 23/8/23

Sr.No.	Name	Department	Signature
	Alok Shukla	Comps	
	Yash Punmiya	Comps-B	
	Tanish Belel	Comps-B	
	Daksh Marathe	E.C.S	
	Soham Kalgutkar	Comps	
	Sumeet Pathak	COMPS A	
	Tanish Parkar	Comps	
	Anshu Jadha	Comps	
	Aditya Fern	ECS	
	Nigel D'silva	Comps-B	
	Rhys Nunes	Comps-B	
	Aashish Mhaske	SE-Comps B	
	Calix Gonsalves	SE CompsB	
	Ayush Doritto	FE AIDS	
	Ness Toscano	FE AIDS	
	Rayan Pereira	FE COMS	
	Nathan Murzello	FE Comps	
	Stalin Pereira	FE ECS	
	Serene Dmello	FE CE	
	Jaden Britto	FE Comps	
	Hashir Ansari	TE ECS	
	Vaibhav Tripathi	TE ECS	
	Ravinkumar Sahu	TEECS	
	Aamir Zaheer	TEECS	
	Amrit Fernandes	TEECS	

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(Ministry of HRD Initiative)
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Institute Innovation Council –Fr.CRCE (Mumbai)

Faculty Attendance

Session Topic: future forge **Date:** 23/8/23

Sr.No.	Name	Department	Signature
1	Vadin Rodrigues	Mech	
2	Navya Anil Kumar	S.E Comps	Navya
3	Mahek Gupta	SE Comps	M Gupta.
4	Monika Rane	SE Comps B	M Rane
5	Vinisha Rajpurkar	SE Comps B	Rajpurkar
6.	Mokshada Rane	SE Comps B	MRane
7.	Rahel S. Pereira	SE Comp B	
8.	Neel N. Khot	SE Comps B	NeelKhot
9.	Joel Shaji	FE Comps A	
10	Adarsh Gupta	SE Comps A	Adarsh
11	Karan Vishwakarma	SE Comps A	
12	Gayatri R Nadar	SE Comps A	
13	Saloni Gaonkar	SE Comps A	Saloni
14	Shreya Ghorpade	SE Comp A	
15	Jervin Mendonca	SE Comps B	
16	Jayden Coto	SE Comps A	
17	Arun Singh	FE ECS	
18	Sally Tuscano	SE comps B	Tuscano
19	Pearl Dmonte	SE comps A	Pmonte
20	Shine Masiarenhas	SE comps B	
21	Prakash P. Biswas	SE comps B	P.B
22	Nash R. DSouza	SE Comps B	
23	Sujal Almeida	SE Comps B	Sujal
24	Jess Dalre	SE Comps B	JMalre
25	Sloan Rodriques	SE Comps B	
26	Siddhesh Revankar	TE ECS	
27	Kartik Khade	TE ECS	
28	Ishan Poonacala	TE ECS	
29	Saaqib Shaikh	TE ECS	Saaqib

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INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiative)
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Institute Innovation Council –Fr.CRCE (Mumbai)

Faculty Attendance

Session Topic: Future forge **Date:** 23/8/23

Sr.No.	Name	Department	Signature
1.	Shubham Adkhale	C.E	Adkhale
2.	Soham Marathe	E.C.S.	Soham
3	Mohd Anwar Mullani	Mechanical	Anwar
4	Siddhi Birje	C.E	Birje
5)	Nestor Rodrigues	Mechanical	NR
6)	Shane Dias	CE	Dias
7)	Jack Sequeira	CE	Jack
8)	Ankit Satpute	AIDS	Satpute
9)	Chris Lopes	C.E	Lopes
10)	Vivian Castelino	C.E	Vivian
11)	Blaise Rodrigues	C.E	Rodrigues
12)	Seanne R. D'Costa	C.E	Seanne
13)	Shreena Thomas	C.E	[illegible]
14.	Suhera Siddiqui	AIDS	Suhera
15)	Anelka Barnes	AIDS	Barnes
16)	Arshdeep Kaur	AIDS	Arshdeep
17)	Harshali Singh	AIDS	Harshali
18.	VISHAL GOWDA	AIDS	Vishal
19	Rhine Pereira	AIDS	[illegible]
20	Rickson Fernandes	ECS	Fernandes
21	Abhishek Pambjya	ECS	[illegible]
22	Shaun Mahale	AIDS	Smahale
23	Royce Dmonte	COMS	Rhont
24	Valentino D'cruz	COMS	Valentino
25	Joshua Fernandes	AIDS	Fernandes
26	Gaurav R. Nile	C.E	[illegible]
27	Andan William Dsouza	AIDS	Andan Dsouza
28	Joshua Parmar	AIDS	Joshuaparmar
29	Arnav Ferreira	AIDS	[illegible]

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING FR. AGNEL ASHRAM, BANDRA (W), MUMBAI-400 050

30.	Vallen Dsouza	Comps A	Vallen
31.	Hazel Ratna	Comps B	Hratna
32.	Vashni Nadar	Comps A	Vashni
33.	Reniyas Nadar	Comps A	
34.	Jacell Jamble	Comps A	Jacell
35	Aaryan Singh.	AS&DS	Aaryan Singh
36.	Jaden Serrao	AI & DS.	Jerrao
37	Jude Cardoza	Comps B	Jude
38	Akshat Mathur	TE ECS	
39	Shubham Sharbhag	TE. ECS	
40.	Yashdeep Kulkarni	FE. ECS	Yashdeep
41)	Alycia Coutinho	FE. ECS	Coutinho
42)	Jaden Yaz	FE. ECS	
43)	Saiceraj Achasya	TE. ECS	Sai
44	Ishan Hegde	TE. ECS	Ishan
45)	Khevna Marfatia	TE ECS	Kmarfatia
46)	Dhruv Shetty	TE ECS	Dshetty
47)	Vaibhav Tripathi	TE ECS	V.T.
48)	Sumedh Chavan	TE ECS	chavan
49)	Desmond	TE ECS	

FR. CONCEIÇÃO RODRIGUES COLLEGE OF ENGINEERING
FR. AGNEL ASHRAM EARCHDIOCESE MUMBAI-400050

9484 Sharique Khan TE ECE

EVENT REPORT

NATIONAL EDUCATION DAY - APPLIED MACHINE LEARNING FOR VLSI DESIGN
DATE: 09/12/2023
GUEST SPEAKER: DR. VIJAY JOSHI
DATE OF EVENT : DECEMBER 2023, 9 AM TO 12.30 PM
LOCATION OF THE EVENT : ROOM N0 108

- **INTRODUCTION:**

The National Education day was an event organized by the IEEE council at Fr. Conceicao Rodrigues College of Engineering (FRCRCE) on 09 December 2023 from 09 a.m. to 12.30 p.m. at 108. This report provides an overview of the event, including its objectives, activities, and insights gained from the event. This event aimed for the teacher pursuing or pursued in electronics and computer science for the development of VLSI DESIGN with the machine learning models and algorithms

The event started at seminar Hall with a warm welcome form Swapnali Mam with a words of warm welcome to our Chief Guest Dr. Vijay Joshi sir and was inaugurated by our Principal Surendra Singh Rathod sir and mam also welcome the professional who Were expertise in the market of machine learning with VLSI DESIGN

- **Topics covered in the session:**

1. **Pitching Ideas**: The event commenced with an engaging presentation by Dr. Vijay Joshi emphasizing the significance of VLSI DESIGN with Applied Machine Learning in front of the market society, or a competitor in your specific field in the fast-paced and uncertain business landscape. Vijay sir also explained about the growth of the market day to day with upcoming problem situation with solutions to deal with it
2. **Session Insights :** The event started after inauguration ceremony and the session started with a problem regarding our environmental conditions and how can VLSI DESIGN could help with regarding Problem to upfront innovative solutions to the society. It also enhances how to work mutually the complicated design with the machine learning model with their algorithm and their analysis.
3. **Conceptual Work:** Vijay sir also covered the topics like how to deal with various Designs of VLSI like their concepts, circuit diagram,design layout and the integration of the Design with the illustrations of the product of the project. Vijay sir also explained in detail like how machine learning is applied to enhance VLSI design, covering topics like optimization algorithms, predictive modeling, and automation.
4. **Challenge and Solutions:** The event was stated with problem in which the team was formed within the candidate and the problem was discussed with some innovative and creative ideas for the problem and some major problems which affects the crucial factor of the VLSI DESIGN challenges identified in integrating VLSI design and machine learning and propose potential solutions or avenues for future

5. **Team Work:** The event had a teamwork event where the team itself was divided and the both the team had a same problem statement but each and everyone should bring up with and innovative and creative ideas for the solution and the statement in versatile condition where each one with different mindset could develop a hybrid functional model with a integrated layout.
6. **Industry application:** Vijay sir highlight real-world applications and industry use cases where the amalgamation of VLSI design and machine learning is making a significant impact with various compact and steady growth of the market.
7. **Future Trends:** The event also had an discussion emerging trends and potential future developments in VLSI design coupled with machine learning, considering the evolving landscape of technology.
8. **Technology and market update:** Vijay sir also emphasized that about VLSI DESIGN in applied machine learning will increase in the further coming year and the growth in the large scale integration will still there till the trends of the electronic circuit and devices accomplishment.

- **Conclusion:** After a interactive session with the faculty members of CRCE, with some takeaway from the session, emphasizing the importance of interdisciplinary approaches and collaboration between VLSI design and machine learning communities , the session was ended with a moment of token of CRCE to Vijay sir by our Principal and with a short message and the event concluded with a vote of thanks led by Bhoir sir and the event was done and premises were kept clean and neat.

We extend a hearty gratitude to our chief guests Dr Vijay Joshi for his expertise and valuable contribution, interactive.

Below are the few snapshots of the Event:

Below are the few snapshots of the event:

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING

Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai – 400050

SeminarReport

FEASIBILITY OF THE IDEA

DATE: 19/01/2024

IIIE**X**CRCE at Fr. Conceicao Rodrigues College of Engineering, Bandra, Mumbai organized a webinar on the Feasibility of the idea.

Name of the event: Feasibility of the idea

Guest speaker: Prof. Unik Lokhande

Date of event: January 19, 2024

Location of the event: Fr. Conceicao Rodrigues College of Engineering, Bandra, Mumbai

Number of faculty members attended: 1

Number of students attended: 32

Introduction of speaker:On Friday, January 19, 2024, Professor Unik Lokhande a professor at Fr. Conceicao Rodrigues College of Engineering held a seminar for college students on how to evaluate the feasibility of their ideas for solving real-world problems. The seminar, called "Feasibility of the Idea", took place in room 704 of the college.

The seminar's goal was to motivate students to think creatively and critically about the practicality and viability of their ideas, and to teach them the skills and tools to conduct a feasibility study. Professor Lokhande explained the steps and methods involved in a feasibility study, such as defining the idea and its objectives, identifying the potential users and customers, researching the market and competition, assessing the technical, legal, operational, and financial aspects, evaluating the strengths, weaknesses, opportunities, and threats (SWOT),

estimating the costs, revenues, profits, and return on investment (ROI), comparing the alternatives, and preparing a feasibility report. During this seminar, the idea of starting an E-bike manufacturing plant was considered for a better explanation.

As the seminar ended the students asked professor. Lokhande different questions related to the seminar just taken and a fruitful question and answer question was conducted .

The seminar was well-received by the students, who expressed their appreciation and gratitude to Professor Lokhande for his valuable insights and guidance. The students also said that they learned a lot from the seminar and felt more confident and motivated to pursue their ideas. The seminar was organized by the college's IIIE council, with the support of the college administration and faculty. The seminar was part of the college's initiative to foster a culture of innovation and entrepreneurship among the students and to prepare them for future challenges and opportunities.

CONDUCTING
MARKET

IIIEx CRCE

FEASIBILITY OF THE IDEA

19 - 1 - 24.

Roll no.	Name	Branch	Year
9107	Aditya Chauhan	TE AIDS	TE
9184	Vaishnavi Sreekar	AIDS	TE
9234	Nikita Mascarenhas	AIDS	TE
9313	Janel Nidhin	AIDS	TE
9511	Rutuja Prabhakar Chavekar	AIDS	TE
9513	Rangraj Thakare	AIDS	TE
9532	Siddhesh Pradhan	Comps B	TE
9601	Jashwin Siddhanath	Comps B	TE
9532	Prathamesh Patil	Comps B	TE
9631	Alroy Mathew	Comps B	TE
9721	Lisa Pereira	Comps B	TE
9755	Krishna Mishra	ECS	TE
16989	Yash Balaraje	COMPS B	TE
9062	Sujan	COMPS A	SE
9104	Tejas	COMPS A	SE
9596	Chinmay	COMPS A	TE
9579	Aryan	COMPS A	TE
9588	Samuel	COMPS A	SE
9608	Sanjuktha	COMPS A	SE
9931	Elite	ECS	SE
9808	Adriana	ECS	SE
9555	Alex	Comps B	TE
9654	Rizwan	Comps	TE
9650	Aj	Comps	TE
9960	Benson	ECS	TE
9663	Dylan Mario Fernandes	Mech	TE
9150	Kunal Apte	Mech	TE
9685	Gaurang Shinde	Mech	TE
9660	Shubham Bewat	Mech	TE
9651	Soham Bate	Mech	TE
10676	Salman Khan	Mech	SE
10441	Sushil Bollabhakhr	ME	SE
10434	Salman Pathan	Mech	SE
10427	Sameer Kalsheety	Mech	SE
10010	Ritesh Dubey	Mech	SE
9655	Gaurav Burgdan	Mech	TE
9665	Yash Jagat	Mech	TE
9676	Mahesh Patil	AMech	TE
10014	Eric Dsilva	Mech	SE
10013	Ryan Kude	Mech	SE
9555	Kishore Gite	Comps	TE

EVENT REPORT

Generative AI and Entrepreneurship.

DATE: 19/01/2024

Association of Computing Machinery at Fr. Conceicao Rodrigues College of Engineering, Bandra, Mumbai, organised a seminar on Generative AI and Entrepreneurship.

Name of the event: Generative AI and Entrepreneurship.

Guest Speaker: Bilal Ahmed

Date of event: January 19th 2024, 12.00 - 1.00 PM.

Location of the event: Room 806

Introduction:

On 19th January 2024, ACM CRCE successfully organized a highly informative event on "Generative AI and Entrepreneurship" led by Bilal Ahmed from BE Artificial Intelligence and Data Science Department. The event aimed to explore the intersection of artificial intelligence and entrepreneurship, providing valuable insights into the evolving landscape of innovation and startup ventures.

Key Topics Covered:

1. Introduction to Gen AI and Entrepreneurship (12:37):

Bilal Ahmed kicked off the event with an enlightening introduction to the intersection of Gen AI and entrepreneurship. He provided insights into the dynamic landscape, emphasizing the significance of adopting an entrepreneurial mindset in navigating the evolving world of artificial intelligence.

2. Recurrent Neural Networks and LSTMs for Sequence Generation (12:45):

Transitioning into the technical realm, Ahmed discussed the crucial role of recurrent neural networks (RNNs) and long short-term memory (LSTM) models in sequence generation within the AI landscape.

3. Image Generation and Convolutional Layers (12:52 - 12:58):

The session then delved into the intricacies of image generation, focusing on the utilization of convolutional layers, techniques such as noising and denoising images, and the importance of feature selection within convolutional layers for effective image processing**.**

4. Self-Attention Layer (1:01):

Ahmed provided insights into the self-attention layer, emphasizing its role in enhancing neural network performance, particularly in tasks involving sequence processing.

5. Entrepreneurship and Gen AI :

Bridging the realms of artificial intelligence and entrepreneurship, Ahmed explored the entrepreneurial aspects of Gen AI, shedding light on potential opportunities and applications.

6. Types of Businesses Using Gen AI :

The discussion expanded to various types of businesses leveraging General AI, showcasing the diversity of applications and the significant impact across industries.

7. Resources :

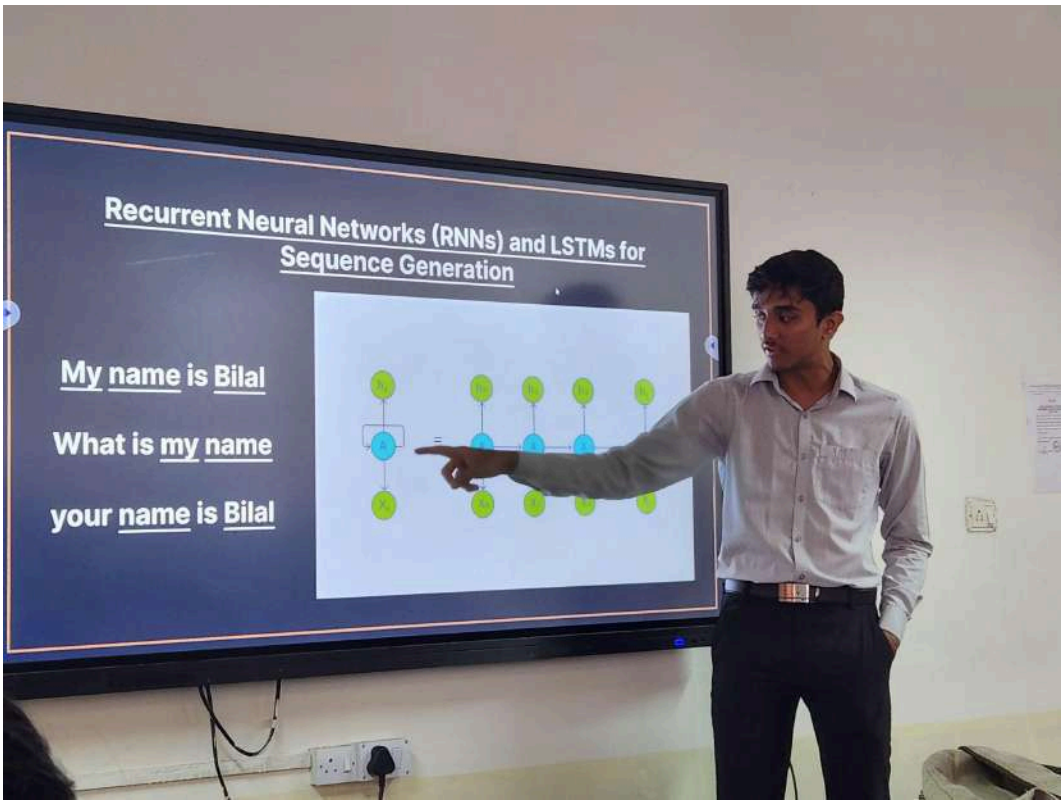
As part of the session, Bilal shared relevant YouTube video links, including introductions to Falcon 40b Chatbot and Gonkee, providing additional resources for participants to explore further. The event concluded with a comprehensive summary and an interactive questioning session, allowing

participants to engage with Bilal and delve deeper into various aspects of Gen AI and its entrepreneurial implications.

Conclusion:

The event titled "Generative AI and Entrepreneurship," led by Bilal Khan was a resounding success. It provided attendees with valuable insights into the intricate intersection of artificial intelligence and entrepreneurship. We extend our gratitude to Bilal Ahmed for his expertise and contributions, as well as to all participants for their active engagement. This event serves as a catalyst for fostering an innovative and entrepreneurial mindset within our community, further propelling us into the dynamic landscape of AI-driven entrepreneurship.

Below are a few snapshots of the event:-



Teacher Incharge

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
FR. Agnel Ashram, Bandstand, Bandra (W), Mumbai_ 400 050

INSTITUTION'S INNOVATION COUNCIL
IIC-FrCRCE

Codelabs CRCE

Subject: Unleash Your Creativity

We, CodeLabs CRCE, the technical council of Fr. CRCE, organized a workshop on the 23rd of January 2024, from 2.30 to 3.30, for students of SE Comps A. The speaker of the workshop was Kyle D'Souza, a BE student of Fr. CRCE and chairperson of Codelabs. The objective of the event was to provide students with insight on the steps required to expand their creative thinking and further broaden their horizons of innovation.

The speaker first started off with a quick definition of creativity, that is, the creation of something that previously didn't exist or the improvement of something that already existed. He followed this definition by providing an example of such innovation, which is the creation of a cloud storage system that would be more cost effective than the ones that already exist. The speaker also states that the best way to further foster this creativity and obtain income using it is through startups. The speaker then further explained how creativity can greatly boost job opportunities. He did so by asking them a question that was similar to the questions that were asked in interviews.

Further, the speaker expanded on the effects of AI on creativity and how it should be used to enhance our thinking rather than think for us. In doing so, we can create solutions regardless of the available resources. Thus, we should efficiently use our AI resources.

He also stated that the projects that the students are working on should pertain to topics that have problem statements or things that have no solutions, thus furthering their creativity. He also stated that selecting the topic for their projects is important, as selecting unique topics not only results in them leading to new innovations but also motivates them to create better solutions.

Thank you!
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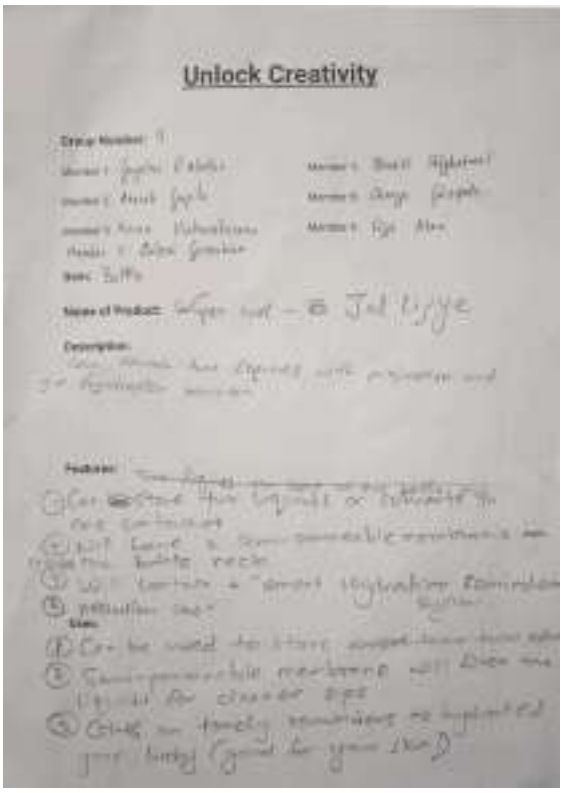
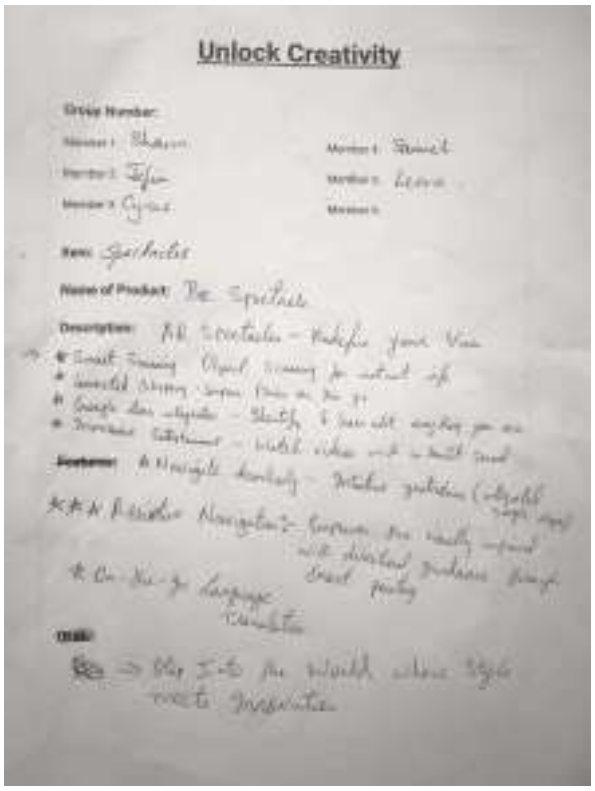
In the second half of the workshop, an activity was conducted in which the audience was divided into 5 groups. Each of the groups was given household items, such as spectacles, water bottle, etc, and they were supposed to come up with creative or innovative ideas pertaining to that item. They were given a specific amount of time to prepare on the topic based on various factors such as description, features, schematic diagram, etc. Some of them are :





An active participation from the speaker, council members and audience made the workshop a great success. A total of 41 students and 1 faculty was present in the workshop. At the end of the day, the students were happy for such a learning experience.

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INSTITUTION'S INNOVATION COUNCIL
IIC-FrCRCE

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai – 400 050

IIC-FrCRC

Institute Innovation Council –Fr.CRCE (Mumbai)

Student Attendance

Session Topic: Unlock your creativity **Date:** 23/01/2024

Sr. No.	Roll Number	Name	Department	Signature
1	9899	Cyrus Gomes	COMPS A(SE)	
2	9885	Liora Dias	Comps A (SE)	
3	9889	Samuel D'Souza	Comps A(SE)	
4	9904	Tejin John	COMPS A(SE)	
5	9916	Shaun Mendes	COMPS A(SE)	S.M
6	9831	Sherwin Gonsalves	SE ECS	
7	9860	Vedant Sakpal	SE ECS	
8	9604	Aaron Furtado	TE COMPS	
9	9975	ANKIT MAITY	SE COMPS B	
10	9964	ANISH GODSE	SE COMPS B	
11	9969	Pratyay Koley	SE Comps A	
12	9933	Bantu Singh	SE Comps A	
13	9918	Vedang Mirgal	SE Comps A	
14	9882	Aryan R. Paripkar	SE COMPS A	
15	9914	Vivian Ludrick	SE Comps A	
16	9896	Sanjo Fonseca	SE Comps A	
17	9928	Rohit Patra	SE Comps A	
18	992.	Harshit Mumbai	SE Comps A	
19	9938	Mrugank Warlikar	SE Comps A	M.
20	9907	Raza Khan	SE Comps A	
21	9901	Akarsh Gupta	SE Comps A	
22	9937	Karan Vishwakarma	SE Comps A	
23	9925	Bhumi Polghadmal	SE Comps A	
24	9922	Gayatri R. Nadar	SE Comps A	
25	9898	Shreya Ghorpade	SE Comps A	
26	9897	Saloni Gaonkar	SE Comps A	Saloni
27	9917	Joyvin Mendonca	SE Comps A	
28	9894	Zane Fernandes	SE Comps A	

29	Alwin D'souza	9888	SE Comps A	
30	Soham Mokashi	9919	SE Comps A	
31	Saumitra Gurav	9903	SE Comps A	
32	Andronicus Lall	9911	SE Comps A	
33	Steffi Peter Raj	9930	SE Comps A	
34	Crysline Correa	9951	SE Comps A	
35	Larrisa Martis	9915	SE Comps A	
36	Samuel Roy	9936	SE Comps A	
37	Sonia Pimenta	9929	SE Comps A	
38	Shreya Joshi	9905	SE Comps A	
39	Mansi Chache	9949	SE Comps B	
40	Ronit Naik	9924	SE Comps A	
41	Lloyd Louis	9522	SE Comps B	

SEMINAR REPORT

Seminar on Design Validation using the Double Diamond Approach.

Mozilla Campus Club CRCE at Fr. Conceicao Rodrigues College of Engineering, Bandra, Mumbai, organized one seminar on Design Validation using the Double Diamond Approach.

Name of the event: Design Validation using Double Diamond Approach.

Speaker: Dr. Hemant Khanolkar, Senior Faculty, Science and Humanities Department,

Fr. CRCE Bandra

Date of Event: January 25th, 2024, 12:00 pm - 1:00 pm.

Location of the event: Classroom 506

Number of Faculty members attended: 00

Number of Students attended: 40

The event was organized for first-year students from the computer department.

The Double Diamond Approach, introduced by the British Design Council in 2005, is a dynamic framework for tackling global challenges through innovative design solutions. Comprising Discovery, Definition, Development, and Delivery, this model fosters a human-centric approach to problem-solving.

The speaker covered the 4 main components of the diamond and explained them as follows:

1. Discover:

The speaker said that a project should be initiated with a thorough analysis of the client's initial problem. Conduct exploratory research, utilize Mind Maps, consider Multiple Perspectives, and engage in Framing Field studies. Review key business objectives and past solutions. This phase aims to refine the problem statement by gathering diverse insights.

2. Define:
Transition to the Definition phase, where priorities are established based on project improvement feasibility and resource availability. Conduct Root-cause analysis, employ the Five Whys technique, craft user stories, and create affinity diagrams. This stage emphasizes prioritizing amidst numerous hypotheses, requiring an expert team with diverse skills.

3. Develop:
Entering the second diamond, the focus is shifted to solutions. Diverge again to explore ideas for improvement, creating prototypes for testing. Utilize Consumer Journey Mapping, Storytelling, and Rapid prototyping. The emphasis here is on developing a Minimum Viable Product to assess solution viability.

4. Deliver:
Progress to the final phase, where the chosen solution is prototyped and user feedback is collected. Collaborate with developers to build the solution, starting with low-fidelity prototypes. Caution against attachment to a single idea, as iterations may lead to the discard of certain prototypes. Continuous improvement is key, with user feedback and expert evaluations informing future iterations.

The iterative nature of the design process, emphasizes the importance of feedback in driving continuous improvement. The Double Diamond is adaptable and not exclusive to designers, making it applicable to various products and companies undergoing transformative change.
The essence of the Double Diamond is a human-centric approach, emphasizing research and innovation through iterative cycles. Its versatility applies beyond design to any entity seeking positive change. Encourage flexibility in the application of the steps, with a focus on exploration, collaboration, and leveraging the mentioned tools.

The seminar was concluded by thanking the participants and speaker for their time and presenting an appreciation letter to the speaker by the council.

Images

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Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai – 400 050

INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)
IIC-FrCRCE

Institute Innovation Council –Fr.CRCE (Mumbai)

Student Attendance

Session Topic: Design validation using Double Diamond Approach **Date:** 25/01/24

Sr. No.	Roll Number	Name	Department	Signature
1.	10177	Seanne. R. D'costa	Comps A	Seanne
2	10188	Bhoomi A. Jaiswal	Comp A	Bhoomi
3	10209	Sumeet .V. Pathak	COMPS A	Pathak
4	10192	Soham Kalgutkar	Comps-A	[illegible]
5.	10176	Harsh Dalvi	Comps-A	Hsdalvi
6	10211	Hriday Patil	Comp-A	[illegible]
7	10201	Shreyd Mishra	comp A	Shreya
8	10221	Shravya Shetty	Comps A	[illegible]
9.	10184	Justin D'souza	Comps A	[illegible]
10.	10219	Mokshil Satra	Comps A	[illegible]
11.	10169	Vishesh Bangotra	COMPS A	[illegible]
12.	10200	Mohammad Umer Mir	COMPS A	umer
13.	10222	Alok. S. Sinha	comps-A	Alok
14.	10190	Chaitanya Jadhav	comps-A	chait
15.	10185	Neil Fabia	comps-A	Neil Fabia
16.	10163	Shubham Adkhale	comps-A	[illegible]
17.	10225	Adrian Johnson	comps-A	Adrian
18	10189	Jacell . S. Jamble	COMPS-A	Jacell
19.	10186	Romeiro Fernandes	Comps A	[illegible]
20.	10205	Russel Daniel Paul	Comps A	Rdp

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FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai – 400 050

INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)
IIC-FrCRCE

Institute Innovation Council –Fr.CRCE (Mumbai)

Student Attendance

Session Topic: Design Validation using Double Diamond Approach **Date:** 25/01/24

Sr. No.	Roll Number	Name	Department	Signature
1	10173	Liza Glanisha Lucas Castelino	Comps A	Castelino
2	10197	Aliqyaan Mahimwala	Comps A	
3	10202	Roniyar Nadar	Comps A	
4	10223	Gavin Soares	Comps A	GS
5	10167	Ansari Khizer	Comps A	
6	10179	Shane Dias	Comps A	Dias
7	10199	MAYANK MEHTA	COMPS A	
8	10169	Vishresh Bangotra	Comps A	
9	10200	Mohammad Umer	Comps A	umer
10	10212	Smit Patil	Comps. A	SPatil
11	10220	Jack Sequeira	Comps. A.	Jack
12.	10219	Mokshil Satra	Comps A	
13.	10184	Justin Souza	Comp A	
14.	10181	Serene Dmello	Comp A	Dmello
15	10187	Achilli Gomes	Comps A	
16	10195	Anastasia Lopes	Comps A	
17	10165	Michelle. Aloz	Comps A	Aloz
18	10171	Bhamare Vishakha	Comps A	Bhamare
19	10193	Arshdeep Kaur.	Comps A	akaur
20	10180	Preet Dmello	Comps A	Dmello

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
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Event Recap: "Puzzle Pursuit: Unleash Your Innovation"
Date: 18/10/2023

The Innovation Day Competition, held online on the 18th of October 2023, was a platform that exclusively featured problem statements carefully curated to ignite and challenge the innovative spirit of our participants.

Event Details:

- Event Title: **Puzzle Pursuit: Unleash Your Innovation**

- Date: **October 18, 2023**

- Platform: **Google Meet**

- Hosted by: **E-cell and Institute Innovation Council (IIC)**

- Total Participants:

Exclusive Problem Statements:
The event set the stage with eight distinct problem statements, each poised to push the boundaries of creativity and problem-solving:

- Implementation of AI/ML in the field of education.
- Remote Work productivity.
- AR for Good.
- Food for all.
- Cure Gas leak.
- Save a life.
- Delivery of essential medicines by drones in hilly areas.
- CyberSecurity for small businesses.

Participants and Winners:

- 1st : Team Medi-Fly
  - Janhavi Shide (9683)
  - Arya Singarwadi (9684)
  - Nathan Pereira (9676)

- 2nd : Wellness Wave
  - Simona Rumao

Judging Criteria:
The judging criteria for evaluating the solutions were based on the following aspects:

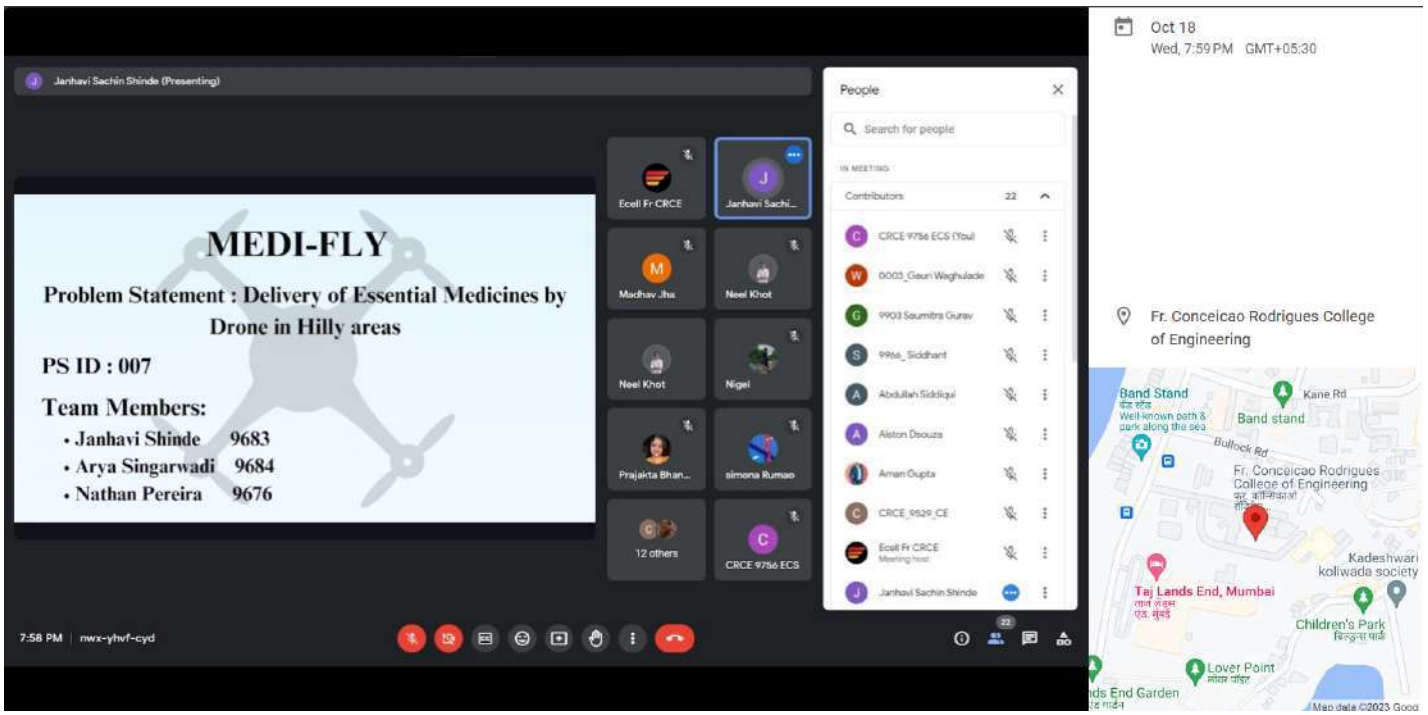
- Satisfying Challenge Requirements:
  - How well does the system satisfy the requirements of the challenge?
- Creativity and Innovation:
  - To what extent is the solution or application creative and innovative?
- User-Friendly Design:
  - Do the functional components of the solution or application seem user-friendly or would it have a positive impact on users?
- Presentation Quality:
  - Did the team provide a well-executed and engaging presentation within the prescribed time limit and incorporate required information to help judges evaluate their solution?

Conclusion and Impact:
The Innovation Day Competition showcased the talent and dedication of our participants. The innovative solutions presented have the potential to bring positive changes to various industries. The event was a testament to the power of creativity and problem-solving in addressing real-world challenges.

Prof. Prajakta Bhangale
(E-Cell Incharge)

Dr. Surendra Rathod
(Principal)

Event Poster:


Janhavi Sachin Shinde (Presenting)
MEDI-FLY
Problem Statement : Delivery of Essential Medicines by Drone in Hilly areas
PS ID : 007
Team Members:
• Janhavi Shinde 9683
• Arya Singarwadi 9684
• Nathan Pereira 9676
Ecell Fr CRCE
Janhavi Sachi...
Madhav Jha
Neel Khot
Neel Khot
Nigel
Prajakta Bhan...
simona Rumao
12 others
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0003_Gauri Waghulade
9903 Saumitra Gurav
9966_Siddhant
Abdullah Siddiqui
Alston Dsouza
Aman Gupta
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Taj Lands End, Mumbai
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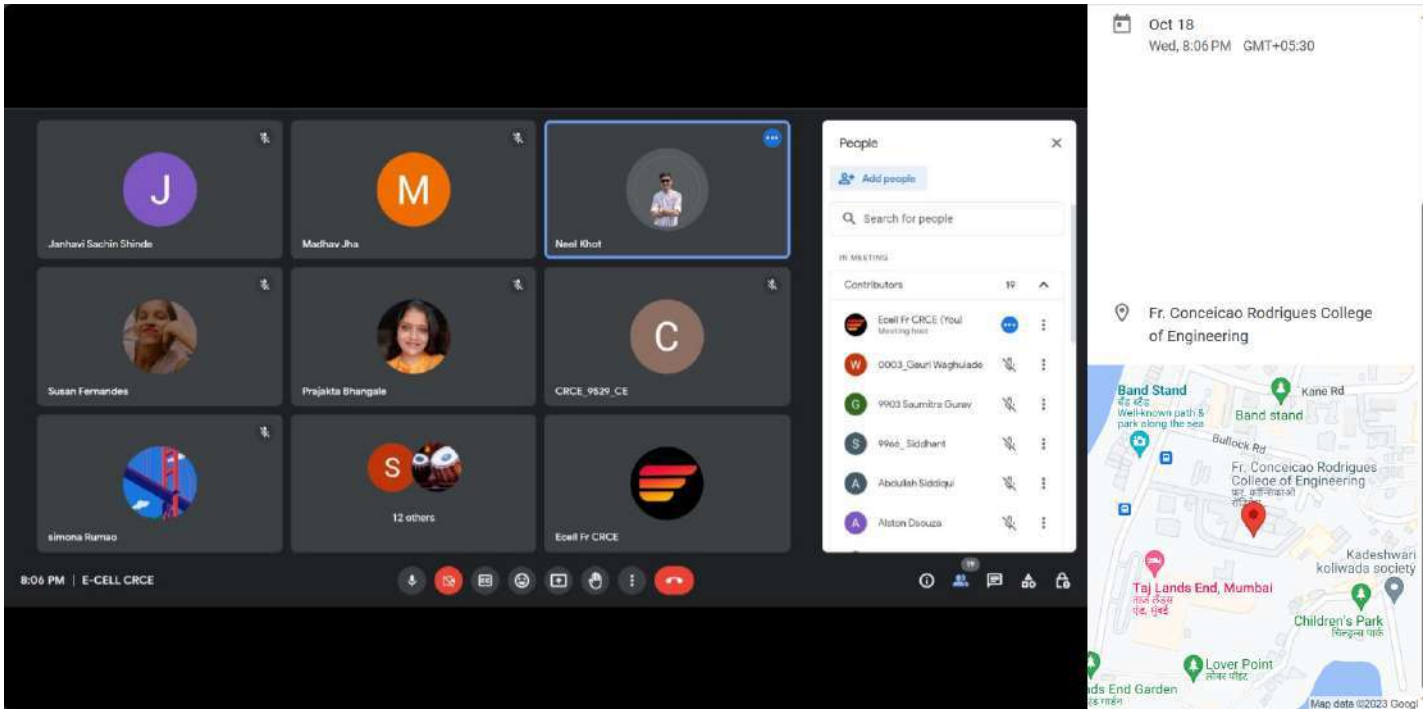
Lover Point
Map data ©2023 Google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Neel Khot
Susan Fernandes
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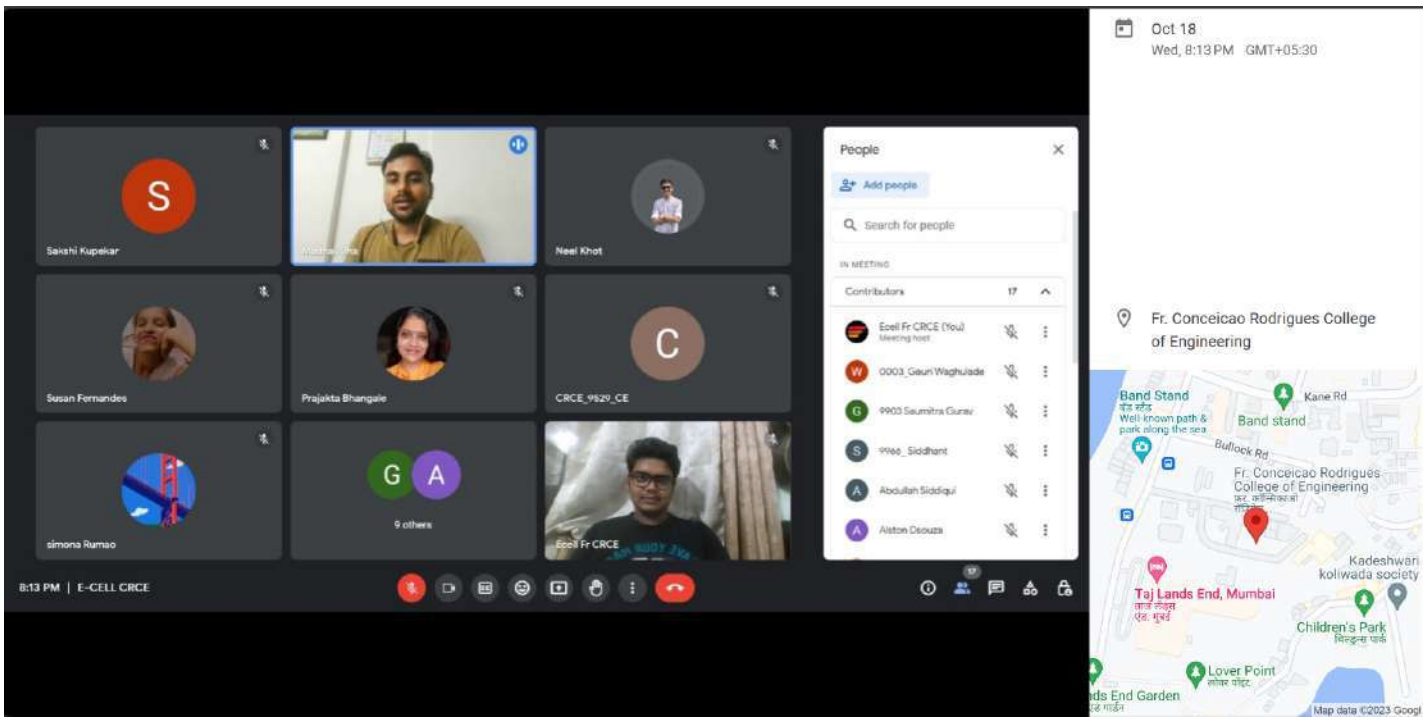
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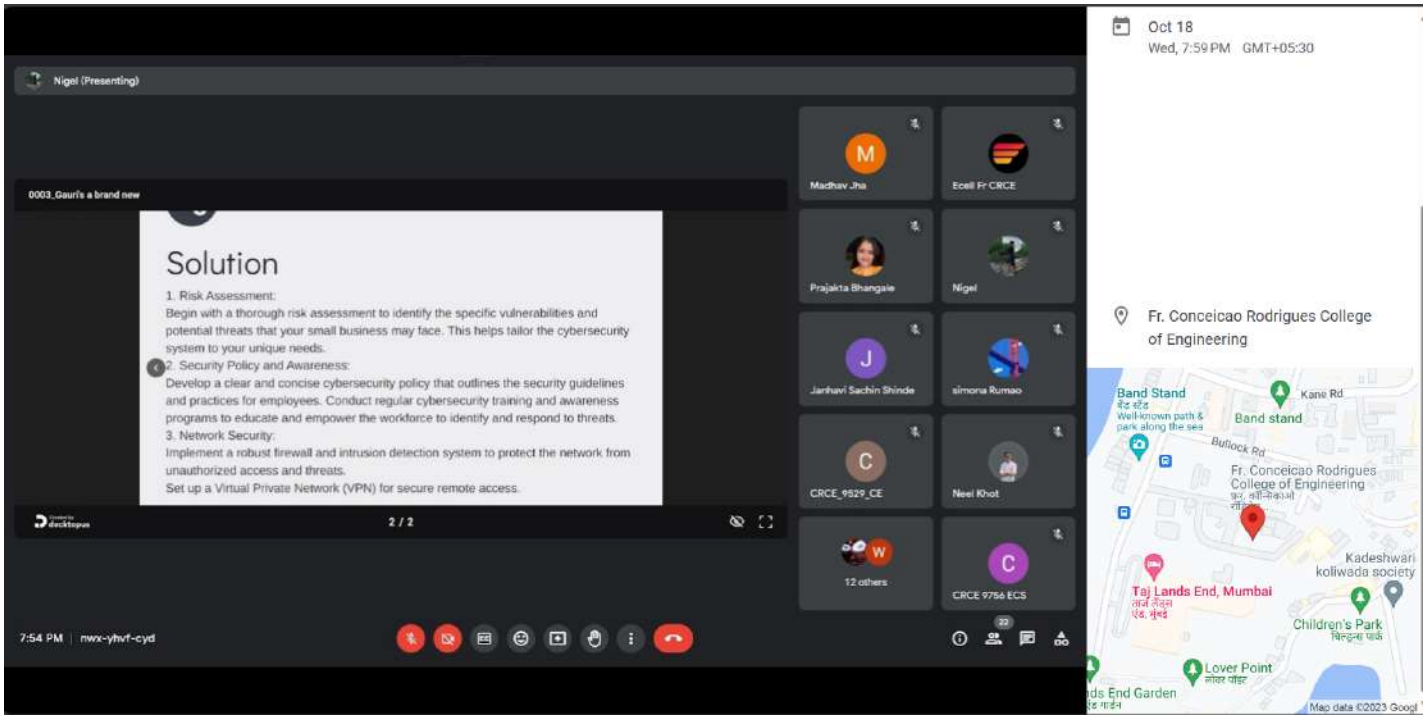
Nigel (Presenting)
0003_Gauri's a brand new
Solution
1. Risk Assessment:
Begin with a thorough risk assessment to identify the specific vulnerabilities and potential threats that your small business may face. This helps tailor the cybersecurity system to your unique needs.
2. Security Policy and Awareness:
Develop a clear and concise cybersecurity policy that outlines the security guidelines and practices for employees. Conduct regular cybersecurity training and awareness programs to educate and empower the workforce to identify and respond to threats.
3. Network Security:
Implement a robust firewall and intrusion detection system to protect the network from unauthorized access and threats.
Set up a Virtual Private Network (VPN) for secure remote access.
2 / 2
Madhav Jha
Ecell Fr CRCE
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Taj Lands End, Mumbai
Children's Park
Lover Point
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Event: Puzzle Pursuit		
Name	Year	Department
Madhav Jha	TE	Computer Engineering
Saumitra Gurav	SE	Computer Engineering
Shreya Vaibhao Joshi	SE	Computer Engineering
Aayush Bhatt	TE	Mechanical
Bhavya Shah	SE	Computer Engineering
Krish Shah	SE	Mechanical
Rohit Karlekar	TE	Computer Engineering
Siddhant Gada	TE	Computer Engineering
Siddhant Jadhav	SE	Computer Engineering
Susan Fernandes	SE	Computer Engineering
Vishaka Chekkila	SE	Computer Engineering
Yogesh	TE	AI&DS
Becky	TE	Computer Engineering
melbin	TE	Computer Engineering
Nigel Nunes	SE	ECS
Sumit Rai	TE	Computer Engineering
Angela Dsouza	SE	Computer Engineering
Slayde Sequeira	TE	Computer Engineering
Aditya Verma	BE	ECS
Soham Mane	TE	Computer Engineering
Anish Kirtikar	SE	Mechanical
Iqra Khan	SE	Computer Engineering
Mansi Chache	SE	Computer Engineering
Neel Khot	SE	Computer Engineering
Rahel Pereira	SE	Computer Engineering
Brita	TE	Computer Engineering
Ruchita Rao	TE	ECS
Pratham Sonawane	BE	Mechanical
Mokshada Rane	SE	Computer Engineering
Aashish Mhaske	SE	Computer Engineering
Zane Fernandes	SE	Computer Engineering
Sudhanshh Kannan Naidu	TE	Mechanical
Glendon Dsouza	SE	ECS
Seema Yadav	TE	Computer Engineering
Mohika Rane	SE	Computer Engineering
Abdullah Siddiqui	TE	ECS
Biswas Prakash Paritosh	SE	Computer Engineering
Bhargavi Patel	TE	ECS
Shlok Madve	SE	Computer Engineering
Samuel DSouza	SE	Computer Engineering
Siran Rodrigues	SE	Computer Engineering
Mehta Khushi	SE	Computer Engineering
Prathmesh Magar	TE	Mechanical
Jonathan Dabre	TE	Computer Engineering
Gauri Waghulade	SE	Computer Engineering
Pushpender	TE	Computer Engineering
Jamwant Raj	BE	Mechanical
Kanika vaishnav	SE	Computer Engineering
Sushant Singh Rajadhir	TE	Mechanical
Govind Sharma	SE	AI&DS
Shreya Shyamsundar	BE	ECS

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai - 400 050

Event Recap: "Idea Competition: Phase 1"
Date: 10th August, 2023

ECELL-CRCE recently organized a dynamic and forward-thinking event, the Idea Competition, in collaboration with the **Institute Innovation Council (IIC)** at FR CRCE. The Idea Competition: Phase 1, held on August 10, 2023, served as a robust platform for students to unleash their creativity, showcase innovative ideas, and propose solutions that could potentially shape the future. The collaborative efforts of ECELL-CRCE and IIC-FrCRCE played a pivotal role in orchestrating an event that not only nurtured entrepreneurial aspirations but also fostered a spirit of innovation.

Event Details:

- Event Title: **Idea Competition**

- Date: **August 10, 2023**

- Platform: **College Premise**

- Hosted by: **E-cell and Institute Innovation Council (IIC)**

- Team Participated: **70**

About the Event:

- The participating teams, each comprising 3 to 4 members, enthusiastically presented their groundbreaking ideas before a distinguished panel of judges. The judging process involved a meticulous evaluation of various aspects, including the novelty of the concepts, the utilization of cutting-edge technologies, technical and financial feasibility, and the results of comprehensive market surveys.
- Out of the 70 teams that participated, a select group of 10 teams successfully advanced to the second phase of the competition. Throughout the phase, professors from FR CRCE played the crucial role of judges, bringing their wealth of knowledge and expertise to assess the potential impact and viability of the presented ideas.

The themes for this year were:

- **Healthcare & Biomedical Devices**
- **Agriculture & Rural Development**
- **Smart Vehicles/Electric Vehicles/Electric Vehicle Motor and Battery Technology**
- **Food Processing**
- **Robotics and Drones**
- **Waste Management**
- **Clean & Potable Water**
- **Renewable and Affordable Energy**
- **IoT-Based Technologies (e.g., Security & Surveillance Systems)**
- **ICT, Cyber-Physical Systems, Blockchain, Cognitive Computing, Cloud Computing, AI & ML**
- **Other Emerging Areas of Innovation and Startup Opportunities**

Judges:

1. Jyoti Joglekar

- Affiliation: K. J. Somaiya College of Engineering
- Brief Background: Dr. Jyoti Joglekar is a Professor in the Department of Computer Engineering at K. J. Somaiya College of Engineering, Mumbai. With a PhD from IIT Bombay in 'Stereo Image Analysis of Satellite Images,' she worked on Chandrayaan 1 data for ISRO assignments. As the Principal Investigator in a research project with NESAC, ISRO, she has presented papers in ISPRS conferences, reviewed for journals like IEEE TGRS and IJCV, and has over 31 years of teaching experience. Dr. Joglekar is a fellow member of IETE, a life member of ISRS and ISTE, and has mentored numerous undergraduate and postgraduate projects in computer engineering.

2. Prasad Joshi

- Affiliation: D. J. Sanghvi College of Engineering
- Brief Background: Prof. Prasad Joshi, with a Ph.D. in Technology - Electronics, he brings over 28 years of teaching experience. Prasad has published seven papers in international conferences, presented seven papers, and guided four Masters projects. His expertise enhances the judging panel, especially in [mention specific competition criteria or areas].

Selected Teams for Phase 2:

E-Cell CRCE Idea Competition Phase 2 Participant Teams					
Team No.	Roll No.	Name	Year/Branch	Idea Title	Teacher Incharge
A	9886	Joshua Dmello	SE/Comps	IOT based baggage tracker and tracker App	Prof. Heena Pendhari
	9889	Samuel Dsouza			
	9885	Leora Dias			
	9893	Reuben Fernandes			
A - 17	9764	Joel Pawar	TE/Comps	Aero Alert- Flying Object Detection and early warning system	Prof. Sangeeta Parshionikar
	9582	Marlon Valladares			
	9762	Aditi Gupta			
	9771	Lisa Pereira			
A - 8	9559	Joel Nazareth	TE/Comps	VocalCart: A next-Gen Voice-controlled Shopping experience	Dr. Sujata Deshmukh
	9565	Nimish Patil			
	9648	Darsh Virani			
B - 1	9592	Aston Renith Castelinno	TE/Comps	SmartWaste+: An Intelligent Waste Management and Rewarding System	Prof. Kranti Wagle
	9594	Chhand Chaughule			
	9638	Slayde Sequeria			
	9528	Janice D'Cruz			
3	9462	Adithya Manoj	TE/ECS	Graphical password authentication system	Prof. Prajakta Bhangale
	9512	Soni Krishna Sharad			
	9484	Khan Sharique Sharif			
11	9788	Rohit Aabasaheb Khambe	TE/Mech	Mecanum Wheel Car Manufacturing	Dr. Vasim A. Shaikh
	9794	Paras Jagannath Patil			
	9787	Dev Suresh Kengar			
	9784	Pragati Datta Jadhav			
4	-	Aryan Negi	TE/Mech	Ev Conversion Kit	Dr. V S Jorapur
	-	Sahil Bhuvad			
	-	Sahil Sawant			
2	9381	Jabir Khan	BE/AIDS	Trendify: Your Virtual Dressing Room	Dr. Jagruti Save
	9354	Vincent Barnes			
	9408	Shreyash Singh			
2	9319	Kudroli Mohd Saqueeb Ashfaque Ahm	BE/Mech	Electricity from plant derivatives	Dr Vasim Shaikh
	9329	More Yash Santosh			

Conclusion and Impact:

The Idea Competition at ECELL-CRCE stands not only as a testament to the innovation thriving within the student community but also as a launchpad for those ready to embark on an entrepreneurial journey. The event continues to inspire and motivate students to pursue their dreams, turning imaginative concepts into tangible realities that can shape the future landscape of innovation and entrepreneurship. Overall, the event was a tremendous success.

Video Link: ECELL-CRCE Idea Phase 1

Prof. Prajakta Bhangale
(E-Cell Incharge)

Dr. Surendra Rathod
(Principal)

Event Poster:

Sample Proposal:

IIC-CRCE AND ECELL-CRCE PRESENTS

Application For Visually Impaired People using AR

ABSTRACT

- - AR Indoor Navigation provides crucial guidance for visually impaired individuals.
- - Object Detection identifies objects.
- - Text-to-speech reads text for the visually impaired.
- - Currency Detection announces denominations.
- - Scene Description offers environmental understanding and Voice controls with interactive feedback e

INTRODUCTION

Our app, designed for visually impaired individuals, offers advanced assistance and navigation. Its purpose is to empower users by providing vital tools, ultimately enhancing independence and confidence in daily life.

PROBLEM STATEMENT

Visually impaired individuals face daily challenges in recognizing objects,

HARDWARE REQUIREMENTS

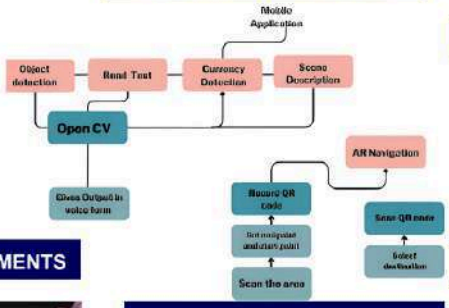
- Android phone is required to run the app
- QR code Scanner
- QR code

SOFTWARE REQUIREMENTS

LITERATURE SURVEY

- Augmented reality offers promising solutions.
- Existing assistive apps have limitations.
- Integration of object detection is needed.
- Voice-enabled assistance is evolving.

IMPLEMENTATION PLAN



SOCIETAL IMPACT

The societal impact includes increased

MARKET POTENTIAL

Our goal is to develop a comprehensive voice-enabled mobile app that combines object detection, scene description, currency identification, and augmented reality indoor navigation into a single user-friendly platform.

FEASIBILITY

The feasibility of this project is high, given advancements in AR technology and object recognition. Integration of these technologies is achievable, and user-friendly voice-controlled interfaces are accessible for implementation.

REFERENCES

- J. M. Rosen, D.R. Laub, S.D. Pieper, A.M. Mecinski, H. Soltanian, M.A. McKenna, et al., "Virtual Reality and Medicine: From Training Systems to Performing Machines", Proceedings of the IEEE 1996

MHRD'S INNOVATION CELL (GOVERNMENT OF INDIA)

IIC-CRCE AND ECELL-CRCE PRESENTS

Fr. Conceicao Rodrigues College of Engineering,Bandra (West)

THE IDEA COMPETITION

Idea no. : A-17

Aero Alert- Flying Object Detection and early warning system

ABSTRACT

Our project is a groundbreaking innovation in life-saving technology. It delivers real-time threat alerts with pinpoint accuracy , providing actionable guidance for precise threat locations and safety measures. It excels in early object identification, enhancing security, and accurately predicts projectile paths while continuously monitoring radiation levels for safety. This innovative approach empowers individuals with timely, accurate, and accessible information, enabling informed decision-making in critical moments, ultimately saving lives through knowledge and action.

INTRODUCTION

- **Objective:** Protect communities from emerging threats.
- **Approach:** Use advanced cameras, algorithms, and satellites.
- **Capabilities:**
  - Predict air threats in real-time.
  - Identify objects early for security.
  - Precisely predict projectile paths.
  - Monitor radiation for safety.
- **Applications:**
  - Enhance disaster management, industrial safety, and border security.
- **Impact:** Innovative, proactive solution for community protection.

PROBLEM STATEMENT

In a world of shifting geopolitics and evolving threats, recent events like the Russia-Ukraine conflict have exposed shortcomings in defense systems. Undetected missile breaches causing casualties highlight the urgent need for a comprehensive solution to bolster national security and public safety.

HARDWARE REQUIREMENTS

- Thermal Cameras
- Normal Cameras

SOFTWARE REQUIREMENTS

LITERATURE SURVEY

- Barriers to Enhancing Disaster Risk Reduction and Community Resilience(2020)
- Convolutional Neural Network Based Weakly Supervised Learning for Aircraft Detection(2020)
- Low altitude small sized object detection using lightweight feature enchanced CNN(2021)

IMPLEMENTATION PLAN

SOCIETAL IMPACT

- **Lives Saved**: Early threat detection and alerts significantly reduce the loss of lives during air threats, ensuring that people have the time and information needed to protect themselves.
- **Property Protection**: Timely alerts help protect homes, infrastructure, and valuable assets, minimizing property damage during disasters or conflicts.
- **Community Resilience:** Our project transforms communities. From slow, reactive disaster response to swift, efficient actions, **We're not just saving lives; we're forging stronger, more resilient communities, ready to face any challenge with confidence.**

MARKET POTENTIAL

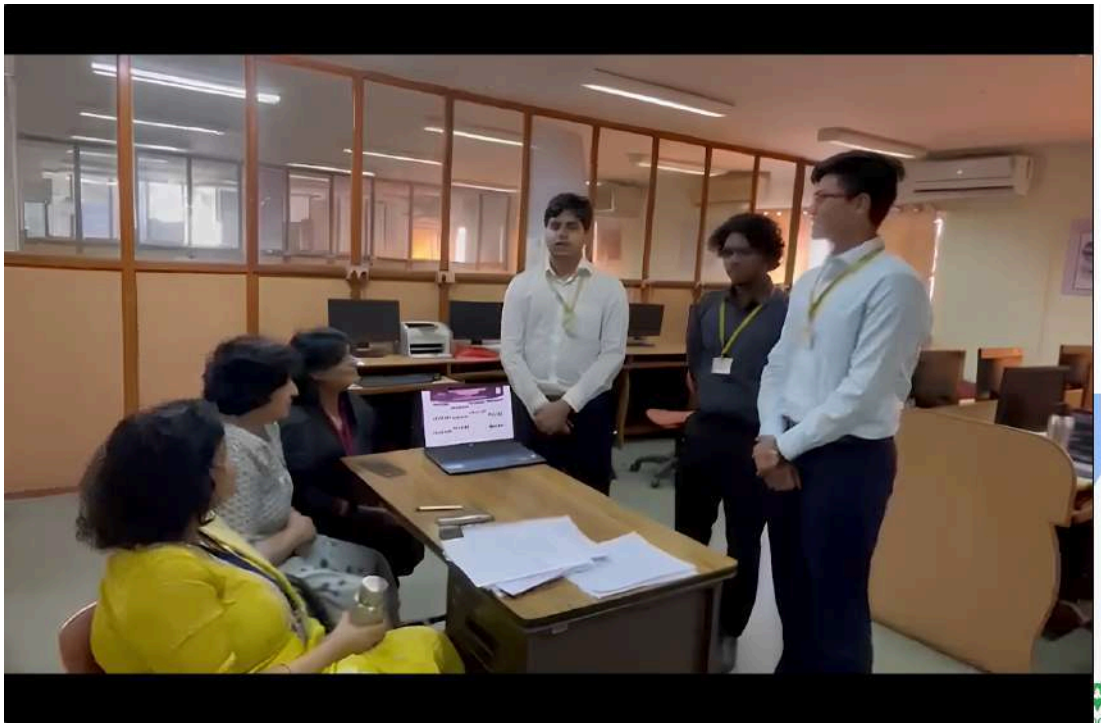
- It acts as a **business deal between nations** in war and those with limited air defence, fostering global cooperation and inspiring AI adoption in the defense sector a;so maintain good international relations
- **Industrial Safety:** Detects hazards, aids chemical plants, nuclear facilities, and early warnings
- **Boosting National Pride:** It can play a crucial role in safeguarding Research centres such as BARC, which is a source of national pride, particularly in a country like India. Recent reports of attacks on BARC underscore the urgency of implementing such security measures.

FEASIBILITY

- Technical Feasibility
- Operational Feasibility:
- Social Feasibility
- Economic Feasibility
- Political and International Feasibility

REFERENCES

- Angelo Jonas Imperiale and Frank Vanclay"Barriers to Enhancing Disaster Risk Reduction and Community Resilience" .
- Z. -Z. Wu, T. Weise, Y. Wang, and Y. Wang, "Convolutional Neural Network-Based Weakly Supervised Learning for Aircraft Detection From Remote Sensing Image". 1
- Y. Tao, Z. Zongyang, Z. Jun, C. Xinghua and Z. Fuqiang, "Low-altitude small-sized object detection using lightweight feature-enhanced convolutional neural network".



Aug 10, 2023
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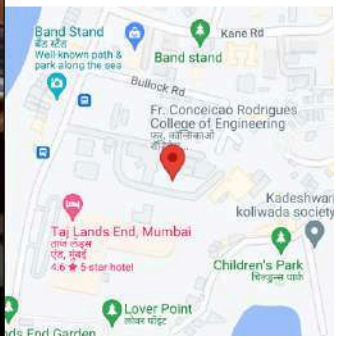
Fr. Conceicao Rodrigues College of Engineering



Aug 10, 2023
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Fr. Conceicao Rodrigues College of Engineering

SE COMPS

Team No.	Member 1		Member 2		Member 3		Member 4		Member 5		Idea Title	Teacher Incharge
	Roll No.	Name	Roll No.	Name	Roll No.	Name	Roll No.	Name	Roll No.	Name		
A	9922	Gayatri Nadar	9925	Bhakti Palghadmal	9937	Karan Vishwakarma	9901	Adarsh Gupta	-	-	Community Website	Prof. Kalpana Deorukhkar
A	9917	Joyvin Mendonca	9888	Alvin D'Souza	9894	Zane Fernandes	9879	Jayden Colaco	-	-	Number plate detection and Facial recognition system	Prof. Kranti Wagle
A	9886	Joshua Dmello	9889	Samuel Dsouza	9885	Leora Dias	9893	Reuben Fernandes	-	-	IOT based baggage tracker and tracker App	Prof. Heena Pendhari
A	9881	Shwen Coutinho	9900	Jonathan Gomes	9913	Mark Lopes	9883	Bournerich Dcunha	-	-	Travel Itenary Planner	Prof. Unik Lokhande
A	9938	Mrugank Worlikar	9914	Vivian Ludrick	9895	Aryan Figer	9878	Adwait Chavan	-	-	College Website with integrated education management.	Prof. Unik Lokhande
B - 2	9970	Neel Khot	9974	Shlok Madve	9987	Rahel Pereira	10003	Gauri Waghulade	-	-	IntelliHub: IoT Enhanced Smart Urban Resource Management System	Prof. Ashwini Pansare
B - 3	9986	Sai Pawar	9967	Geet Kale	9996	Shardul Sant	9997	Arbaz Sayyed	-	-	Personal Productivity Dashboard	Prof. Sushma Nagdeote
B - 7	9954	Austin Dmello	9975	Ankit Maity	9977	Shaun Mathias	9950	Moin Chunawala	-	-	Disaster Management Web Application	Prof. Jagruti Nagoankar
B - 9	9943	Juan Andrades	9949	Mansi Chache	9953	Arnav Desai	9961	Ross Falcao	-	-	Attendance using QR-codes	Prof. Prajakta Dhamanskar
B - 11	9979	Fayola Menezes	9965	Calix Gonsalves	9989	Aashish Mhaske	9940	Allison Daniel	-	-	Planet Ping (Sustainable Notification Sender App.)	Prof. Prachi Patil
B - 8	9944	Steve Anthony	9968	Cyjil Kanjirammyali	9985	Shreenal Patil	10000	Alfred Shajan	-	-	AlgoCheck	Prof. Sangeeta Parshionikar

SE AI&DS

Team No.	Member 1		Member 2		Member 3		Member 4		Member 5		Idea Title	Teacher Incharge
	Roll No.	Name	Roll No.	Name	Roll No.	Name	Roll No.	Name	Roll No.	Name		
5	10091	Armaan Shaikh	10054	Sarah Ger	10087	Kevin Rozario	-	-	-	-	Accident Detection and alert Android App	Prof. Swati Ringe
12	10064	Carol Lobo	10059	Mohammed Tufail Hyderabadwala	10065	Ramona Lobo	-	-	-	-	Restaurant Managemnet System	Prof. Swati Ringe
18	10057	Riona Gonsalves	10042	Swaranjah Bodhi	10052	Joshua D'Sylva	-	-	-	-	Soil Classification using Site light images	Prof. Prachi Dalvi

SE MECH

Team No.	Member 1		Member 2		Member 3		Member 4		Member 5		Idea Title	Teacher Incharge
	Roll No.	Name	Roll No.	Name	Roll No.	Name	Roll No.	Name	Roll No.	Name		
8	10004	Amberkar Vedang	10008	Mishra Vinit	10022	Khan Shahid	10036	Udhange Pratham	-	-	MOTORIZED SMART TURNING MECHANISM	Dr. C. Jayaramulu
5	10027	Nair Adithya	10024	Lokhande Pratham	10038	Vinchu Saud	10029	Palshetkar Himanshu	-	-	SMART BRIDGE FOR DISASTER DAMAGE PREVENTION	Prof. Aseem Nevrekar
7	10018	Krish Karelia	10017	Harishankar Rajan	10037	Vedika Vartak	10035	Yash Tambe	-	-	NEW COMPOSITE MATERIAL	Dr. Bhusan T. Patil
6	10005	Suraj Bandekar	10013	Anoushka Dixit	10014	Rion Dmello	10016	Harsh Hajare	-	-	Comparative evaluation of hardness of different metals under varying conditions	Dr. Vasim A. Shaikh
14	-	Pratham	-	Manthan	-	Pranav	-	Soham	-	-	Solar panel cleaning prototype	S. K. Das
1	10019	Mayank Katkar	10020	Yogiraj Katyare	10021	Chinmay Khadye	-	-	-	-	Vibration Enumerator using FFT	Dr. Arun Rane
4	10006	Sanskar Bharti	10026	Rudra Mhatre	10011	Pranav Dhole	-	-	-	-	Onmi Air Cooler	Prof. Dipali Bhise
16	10412	Bhosle Sarvesh	10427	Naik Vedant	10430	Patil Rajesh	10432	Patil Sanwill	-	-	Obstacle Avoiding Robot	Prof. M. V. B. Rao
12	104222	Ganesh Kadu	10441	Sujal Walawalkar	10431	Sahil Patil	10425	Akash Khot	-	-	Design of Axial Blower with Air flow Out Control Unit	

TE COMPS

Team No.	Member 1		Member 2		Member 3		Member 4		Member 5		Idea Title	Teacher Incharge
	Roll No.	Name	Roll No.	Name	Roll No.	Name	Roll No.	Name	Roll No.	Name		
A - 17	9764	Joel Pawar	9582	Marlon Valladares	9762	Aditi Gupta	9771	Lisa Pereira	-	-	Aero Alert- Flying Object Detection and early warning system	Prof. Sangeeta P
A - 8	9559	Joel Nazareth	9565	Nimish Patil	9648	Darsh Virani	-	-	-	-	VocalCart: A next-Gen Voice-controlled Shopping experience	Dr. Sujata Deshmukh
A - 3	9543	Madhav Jha	9570	Sumit Rai	9526	Pushpender Singh Bisht	9566	Sanat Patil	-	-	Cure Chain: A decentralized healthcare system using Blockchain	Dr. B S Daga
A - 10	9569	Winster Pereira	9550	Shari Khot	9591	Meetali Bhole	-	-	-	-	CaptionCraft: Bridging Visual Communication with Automated Narratives	Prof. Prajakta D
A - 6	9551	Vignesh Kobathula	9542	Chris Gracias (Div B)	9562	Shreya Panikkassery	9560	Girish Nhavkar	-	-	Diagno Assist: Securing tomorrow's Hearts Today	Prof. Prajakta D
A - 14	9608	Rudalph Gonsalves	9630	Aaron Pereira	9586	Rehan Almeida	-	-	-	-	Endangered Species detection of distress alert system	Prof. Roshni Padate
A - 2	9541	Max Gonsalves	9536	Saville Osilva	9527	Vedant Chawardol	9601	Ivan Dsouza	-	-	SpeakEasy: All in One tool for people with communication disabilities	Dr. Vijay Shelke
B - 1	9592	Aston Renith Castelinno	9594	Chhand Chaughule	9638	Slayde Sequeria	9528	Janice D'Cruz	-	-	SmartWaste+: An Intelligent Waste Management and Rewarding System	Kranti Wagle
B - 3	9607	Lisa Gonsalves	9539	Crystal Fernandes	9593	Eden Evelyn Charles	9540	Saahil Fernandes	-	-	SignLingo: AI-Assisted Sign Language	Merly T
B - 6	9522	Lloyd Louis	9525	Eshank Bele	9535	Hansel D'Silva	9546	Emin Joy	-	-	EHR System	Kranti Wagle
B-16	9637	Sahaya Blessy	9524	Basilica Anthony	9585	Akshaya Lakshmi	9610	Yashika Haritwal			Air Threat Detection and Evacuation Systems (A.T.D.E.S):For your safer side	Ashwini Pansare

TE AI&DS

Team No.	Member 1		Member 2		Member 3		Member 4		Member 5		Idea Title	Teacher Incharge
	Roll No.	Name	Roll No.	Name	Roll No.	Name	Roll No.	Name	Roll No.	Name		
1	9713	Blaise Gonsalves	9725	Jaden Menezes	9735	Aloysius Rebello	9737	Nerice Rodrigues	-	-	Lip Reading AI	Prof. Saurabh Kulkarni
6	9711	Sharvin Gavad	9486	Aryan Kyatham	9701	Myron Dabreo	9718	Aditya Kalambe	-	-	Mobile Application for Visually Impaired	Prof. Sarika Davare
12	9734	Vaishnavi Pratap	9724	Nicole Mascarenhas	9728	Arnav Pandita	9726	Nevil Narikod	-	-	Desktop Voice Assistant	Prof. Jagruti Save
9	9689	Abhijeet Basant	9696	Shivprasad Chavarattil	9705	Dylan Dsilva	9731	Divyal Patil			HireWise- A.I Resume Scanner and Matcher	Prof. Garima Tripathi
5	9693	Suraj Bhatia	9688	Grace Antony	9699	Collin Creado	9694	Neston Cabral	-	-	Automated Financial Advisory for Portfolio analysis	Prof. Jagruti Save
11	9741	Aryan Sarang	9744	Advaitraj Thakur	9746	Hemanshu Vaishnav	9716	Lavisha Jamkhandi	-	-	Game App	Prof. Saurabh Kulkarni
17	9698	Lance	9719	Johnson	9732	Aron	9727	Solomon	-	-	Ergonomic mechanical keyboard	Prof. Aditi Malkar

TE ECS

Team No.	Member 1		Member 2		Member 3		Member 4		Member 5		Idea Title	Teacher Incharge
	Roll No.	Name	Roll No.	Name	Roll No.	Name	Roll No.	Name	Roll No.	Name		
3	9462	Adithya Manoj	9512	Soni Krishna Sharad	9484	Khan Sharique Sharif	-	-	-	-	Graphical password authentication system	Prof. Prajakta Bhangale
6	9511	Singh Ratan Tejnarayan	9517	Wasnik Aarush Umesh	955	Mistry Krishna	-	-	-	-	Personal AI Trainer using Smart Mirror and Raspberry Pi	Prof. Jayen Modi

TE MECH

Team No.	Member 1		Member 2		Member 3		Member 4		Member 5		Idea Title	Teacher Incharge
	Roll No.	Name	Roll No.	Name	Roll No.	Name	Roll No.	Name	Roll No.	Name		
9	-	Omair Shaikh	-	Abhinav Waghmare	-	Tripathi Ayush	-	Yohan Dsouza	-	Ammar Dabir	Automatic Soil Irrigation System	Prof. Dipali Bhise
15	-	Dmello Basil Rudolf	-	Martin Lance Velassly	-	Naik Nirant Subhash	-	Rodrigues Mark Rajesh	-	ebeiro Joshua Hen	Wireless Electric Vehicle Charger	Dr. V S Jorapur
14	-	Sameer Ramakant Shirke	-	Bharat Subhash Bhoir	-	Hritik Sunil Bhoir	-	Samir Ansari	-	Omkar Bajarang	Exo-force	Saurabh Korgaonkar
11	9788	Rohit Aabasaheb Khambe	9794	Paras Jagannath Patil	9787	Dev Suresh Kengar	9784	Pragati Datta Jadhav	-	-	Mecanum Wheel Car Manufacturing	Dr. Vasim A. Shaikh
4	-	Aryan Negi	-	Sahil Bhuvad	-	Sahil Sawant	-	-	-	-	Ev Conversion Kit	Dr. V S Jorapur
	9776	Amol Bhosle	9783	Atharva Gosavi	9782	Vedant Gharat	9792	Sarvesh Nalawade	-	-	Feasibility report on modular table	Prof. M. V. B. Rao

BE COMPS

Team No.	Member 1		Member 2		Member 3		Member 4		Member 5		Idea Title	Teacher Incharge
	Roll No.	Name	Roll No.	Name	Roll No.	Name	Roll No.	Name	Roll No.	Name		
A - 13	9215	Trevelyn Noronha	9183	Himanshu Bhundere	9197	Vailantan Fernandes	9227	Brezhnev Rodrigues	-	-	Waste Connect, Recycle and Takeback	Prof. Heena Pendhari
B - 1	9277	Riddhi Dinesh Oza	9424	Jainam Joshi	-	-	-	-	-	-	Machine Learning based Handwriting Trait Detection	Prof. Sangeeta Parshionikar
B - 7	9264	Neave Paul	9251	Afif Deshmukh	9242	Ashwin Johnson	-	-	-	-	SmartFlow: Revolutionizing Road Traffic with AI	Prof. Ashwini Pansare
B - 13	9276	Shubham Ojha	9272	Glenn Mendonca	9287	Glen Rodrigues	-	-	-	-	Rakshak	Prof. Kalpana Deorukhkar

BE AI&DS

Team No.	Member 1		Member 2		Member 3		Member 4		Member 5		Idea Title	Teacher Incharge
	Roll No.	Name	Roll No.	Name	Roll No.	Name	Roll No.	Name	Roll No.	Name		
1	9390	Denslin Nunes	9404	Myron Sequeira	9405	Sachi Shah	-	-	-	-	Crawler_Store_Web_Pages_with_Key_Value_NoSQL_Do_Indexing	Dr. Jagruti Save
2	9381	Jabir Khan	9354	Vincent Barnes	9408	Shreyash Singh	-	-	-	-	Trendify: Your Virtual Dressing Room	Dr. Jagruti Save
4	9357	Sahil Bodkhe	9356	Bilal Ahmed	9366	Elvis Dodti	-	-	-	-	The Art of Utilizing Impact Players: Analyzing the Effects and Methodology of Player Influence in the Indian Premier League	Prof. Saurabh Kulkarni
14	9396	Archana Rajeshwar	9395	Sanvi Pokle	9406	Moeez Shaikh	-	-	-	-	QuickCare	Prof. Sarika Davare
16	9355	Rhea Bhalekar	9386	Jacob Suresh Mire	-	-	-	-	-	-	robo-support : robotic knee exoskeleton for disabled stroke and neurological patients	Prof. Swati Ringe
17	9394	Grace Pereira	9389	Andre Issac Nazareth	9387	Trisha Nagarkatte	-	-	-	-	Imaginate: A Generative AI approach to segment and change pictures using a prompt	Prof. Garima Tiwari
19	9459	Mirza Mohammed Junaid	9378	Pratham Kambli	9409	Gladys Gince Skariah	-	-	-	-	Speech to Database conversion for Hospitals	Prof. Sarika Davare
20	9375	Shriansh Jena	9379	Abeer Kazmi	9382	Cliff Lopes	-	-	-	-	ProSeP- Proactive Sepsis Prediction	Prof. Aditi Malkar

BE ECS

Team No.	Member 1		Member 2		Member 3		Member 4		Member 5		Idea Title	Teacher Incharge
	Roll No.	Name	Roll No.	Name	Roll No.	Name	Roll No.	Name	Roll No.	Name		
13	9136	Arpita Khot	9147	Shreeshailya Patil	9149	Matthew Payapilly	-	-	-	-	Medical	Prof. Dipali Koshti
22	9165	Jordan Herschel Soans	9157	Christopher Clifford	9159	Vivek Pawan Sain	9140	Yash Malani	-	-	Smart Helmet	Dr. Sapna Prabhu
5	9115	Sahil Subodh Bane	9131	Aayush Juhukar	9173	Yukta Wagh	-	-	-	-	Phishing	Prof. Vaibhav Godbole

BE MECH

Team No.	Member 1		Member 2		Member 3		Member 4		Member 5		Idea Title	Teacher Incharge
	Roll No.	Name	Roll No.	Name	Roll No.	Name	Roll No.	Name	Roll No.	Name		
2	9319	Kudroli Mohd Saqueeb Ashfaque Ahm	9329	More Yash Santosh	-	-	-	-	-	-	Electricity from plant derivatives	Dr Vasim Shaikh
3	9340	Rawat Raghav Omprakash	9341	Shaikh Asiya Mohammed Hanif	9342	Shaun Jose Geevarghese	9343	Shenava Ainesh Suresh	-	-	Autonomous Mapping mobile Robot	Prof D S S Sudhakar
4	9309	ilhalli Sachidanand Ravind	9318	Kore Kunal Hareshwar	9324	Mankame Neel Mahendra	9335	Pednekar Sanat Mahesh	-	-	vtol - tilt rotor bicopter	Prof Saurabh
6	9303	Arekar Siddhant Rakesh	9305	Das Dhruv	9323	Mane Vaishnavi Santosh	9345	Shirke Tejas Chandrakant	-	-	Regenerative Braking System	Dr V S Jorapur
7	9327	enezes Alisha Gloria Jossi	9435	Bhalerao Monish Kishor	9442	ocharekar Mansi Subhas	9443	Kodte Om Gangadhar	-	-	Self Charging Electric Vehicle	Prof Aseem
9	9336	Pereira Gilchrist Bona	9347	Sonawane Pratham Rajaram	9338	hondke Shreyas Mahendr	9339	Poojary Manas Satish	-	-	Water based Generator	Dr V S Jorapur

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
FR. AGNEL ASHRAM, BANDRA (W), MUMBAI-400050

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
FR. Agnel Ashram, Bandstand, Bandra (W), Mumbai_ 400 050

INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiative)
IIC-FrCRCE

Codelabs CRCE
Creating a Product that is Fit solution

We, CodeLabs CRCE, the technical council of Fr. CRCE organized a seminar on February 8, 2024, from 9.45 to 10.45 for students of FE Comps. The speaker of the seminar was Ankita Amburle, an assistant professor of the computer science department at Fr. CRCE. The objective of the event was to provide students with insight on the steps required to expand their knowledge on the various ways to market a product and how one can effectively start a startup based on a
successful product.

The speaker first started off by speaking about the various startups and how 9 out of 10 fail, and nearly 66% of them drastically change their original plans. She followed this by explaining how this can be avoided by simply checking the product's feasibility and the changes in market trends. The speaker further explained this by stating that a product should be made in such a way that it meets the needs of the people. This is a problem worth solving because the exchange value is great.

According to the speaker, there are six steps to achieving a product that is fit for a market:

1. Determining the target customers
2. Identifying the customer needs
3. Defining your value proposition
4. Specifying minimum viable product (MVP)
5. Create MVP prototype
6. Testing the product

The speaker concluded by stating that in order for a product to be successful and generate good revenue, it needs to be part of a scalable startup that can attract customers over a long period of time. Also, the product market matters; that is, mastering the market is important to selling one's product, like profitability of the product, healthy retention, manageable churn rate, etc.

Active participation from the speaker, council members, and audience made the seminar a great success. There were a total of 48 students participating in this seminar.

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INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)
IIC-FrCRCE

Institute Innovation Council –Fr.CRCE (Mumbai)

Student Attendance

Session Topic: Creating a product fit session **Date:** 08/02

Sr. No.	Roll Number	Name	Department	Signature
1.	10226	Siddhi . Alat	FE Comps B	
2.	10245	ROCHELLE FERNANDES	FE COMPS B	
3.	10278	SEREENA THOMAS	FE COMPS B	
4	10259	Nishant Maurya	FE Comps B	
5	10273	YASH PUNMIYA	FE Comps B	
6	10229	Tanish Bellel	FE comps B	
7	10230	vishwaa Bhonde	FE comps B	
8	10234	Naomi Coutinho	FE Comps B	
9	10285	Dev Tripathi	FE Comps B	
10	10242	Ralph Joseph D'souza	FE Comps B	
11	10276	Vanessa Rodrigues	FE COMPS B	
12	10279	Manav Shetty	FE COMPS B	
13	10239	Ziya Dias	FE COMPS B	
14	10238	Risa Dias	FE Comps B	
15	10270	Liana Pereira	FE Comps B	
16.	10240	Lir . R . Dmonte	FE Comps B	
17	10235	Sarah Dayal	FE Comps B	
18	10236	Valetrio D'cruz	"	
19	10231	Jaden Britto	FE Comps B	
20	10227	Ashley Almeida	FE - Comps B	
21	10261	Nathan Mustello	FE Comps B	
22	10246	Jason Gonsalves	FE COMPS - B	

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INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)
IIC-FrCRCE

Institute Innovation Council –Fr.CRCE (Mumbai)

Student Attendance

Session Topic:_____ **Date:**_____

Sr. No.	Roll Number	Name	Department	Signature
23	10271	Rayen pereira	FE COMP-B	
24	10268	Devansh Nayak	FE Comps-B	
25	10241	Royce Dmonte	FE Comps B	
26	10253	Ojas Keni	FE CompsB	
27	10255	Dhaval Khandhadia	FE CompsB	
28	10262	Fredrick rose Marshall	FE Comps B	
29	10288	Vinish Redson Raja Pandi	FE CompsB	
30	10228	Aayush P. Belamkar	F.E CompsB	
31	10264	Tanish Parkar	F.E CompsB	
32	10284	Jashwardhan Thopte	F.E. Comp.B	
33	10260	Swayam Mishra	FE CompB	
34	10281	Aaryan Singh	FE Comps B	
35	10252	Muhaz Kazi	F.E CompsB	
36	10266	Tanay Patil	FE CompsB	
37	10267	Yash Patil	FE COMPS B	
38	10282	Yash Solanki	FE COMPS B	
39	10272	Sean Pereira	FE CompsB	
40	10280	Alok Shukla	FE COMPB	
41	10247	Anshu Jadhav	FE CompsB	
42	10257	Nathasha Lewis	FE Comps B	
43.	10250	Swarali Kalamkar	FE Comps B	
44.	10263	P. Bronay Reddy	FE Comp-B	
45.	10256	Ameya A. Korba	FE comps B	
46.	10233	Vivian Castelino	FE Comps.B	
47	10287	Aryan Verma	FE COMPS-B	
48.	10275	Blaise Rodrigues	FE COMPS-B	

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FR. Agnel Ashram, Bandstand, Bandra(W),Mumbai-400050

SEMINAR REPORT

ATAL Tinkering Lab Event

DATE: 18/01/2024

CSI-CRCE at Fr. Conceicao Rodrigues College of Engineering, Bandra, Mumbai, organized a seminar on Artificial Intelligence.

Name of the event: **ATAL Tinkering Lab Event**

Speaker: 1. Mr. Jonathan Dabre(VCP-CSI)

2. Mr. Soham Mane(Secretary-CSI)

Date of event: 9th February, 2024

Location of the event: Hansraj Moraji Public School

Number of Faculty members attended: 1

Number of Students attended: 40

An educative seminar on Artificial Intelligence (AI) conducted by CSICRCE with Mr. Jonathan Dabre and Soham Mane leading the session on 9th February, 2024 was held at Hansraj Morarji Public School for 11th standard students, providing valuable insights into AI tools and technologies, proved to be an enlightening and engaging event.

The seminar commenced with a thought-provoking question from the speakers, asking the students about their understanding of AI and their knowledge of AI tools. This interactive session encouraged active participation and set the tone for the rest of the seminar. Students shared their perceptions and experiences, setting a foundation for further exploration into the topic.

To illustrate the practical applications of AI, the speakers introduced the students to basic ChatGPT usage. They demonstrated how AI could be utilized to write code, showcasing a CPP calculator code as an example. This hands-on approach allowed students to grasp the potential of AI in programming. Through step-by-step guidance, students learned how AI can assist in coding tasks, sparking curiosity and interest in AI technology.

A significant statement made by one of the speakers emphasized that AI wouldn't replace jobs but rather empower individuals who can effectively utilize AI tools. This insight shed light on the evolving landscape of employment in the era of AI. The speakers engaged in a discussion with students about the skills and mindset required to thrive in a workforce augmented by AI technologies. They emphasized the importance of adaptability and continuous learning in leveraging AI for personal and professional growth.

Miss. Ashwini, the faculty in charge of CSI-CRCE, highlighted the distinctions between traditional Google searches and AI-powered ChatGPT interactions. This comparison offered students a deeper understanding of the capabilities and limitations of AI. Through real-life examples and anecdotes, students gained insights into how AI technologies can enhance search experiences by providing more contextually relevant and personalized results.

Various AI extensions were presented during the seminar to showcase the diverse applications of AI technology. These included YouTube Summary, Tome, Synthesia, Merlin, TripPlanner, among others. A comprehensive list of 22 such extensions was shared with the students, providing them with

insights into the vast potential of AI in various domains. The speakers elaborated on each extension, discussing its functionalities, practical uses, and potential impact on everyday life. Students were encouraged to explore these tools further to gain handson experience and deepen their understanding of AI applications.

The seminar introduced students to Microsoft Copilot, a cutting-edge AI tool. Examples were provided to demonstrate Copilot's capabilities, including generating images from prompts and interacting with PDF documents through the "Ask Copilot" feature. This segment allowed students to witness firsthand the advanced functionalities of AI in action. The speakers encouraged students to experiment with Copilot and explore its potential applications in their academic and professional pursuits.

Additionally, several other AI tools were showcased, including Logo.ai for logo design and Scispace for understanding mathematical and study concepts. These demonstrations broadened students' perspectives on the practical applications of AI beyond programming and into various domains. Through interactive demonstrations and Q&A sessions, students gained insights into how AI tools can streamline tasks, enhance productivity, and facilitate learning across different disciplines.

Two enthusiastic students stepped forward to share their positive feedback about the seminar. They expressed their excitement about discovering new AI tools and discussed how they plan to integrate these tools into their academic and professional endeavors. Their testimonials served as a testament to the seminar's effectiveness in inspiring and empowering students to explore AI technology further.

A teacher from Hansraj Morarji Public School, Mr. Patil Jigar, extended heartfelt gratitude to the CSI team of Fr. Conceicao Rodrigues College of Engineering for organizing the seminar. He acknowledged the invaluable insights gained from the seminar and expressed appreciation for the collaborative efforts in enriching students' understanding of AI technology. The vote of thanks served as a fitting conclusion to the

seminar, highlighting the importance of continued collaboration and knowledge sharing in advancing AI education.

Overall, the seminar provided students with valuable insights into the world of AI and its potential to revolutionize various industries. The interactive sessions, demonstrations, and discussions fostered a conducive learning environment, leaving attendees with a deeper understanding and appreciation for AI technology. Such initiatives play a crucial role in preparing the next generation for the AI-driven future, empowering them to harness the transformative power of AI for innovation and societal progress.

Attendance Report

1. Mishra Sumit Manoj
2. Mohsin Mohammed Yousuf
3. Disha Rao
4. Saurabh Mishra
5. Zidaan Khan
6. Adil Ajaz Shaikh
7. Rehan Arif Solanki
8. Ritik Gupta
9. Ahyan Baig
10. Moin Lakdawala
11. Yash Yogesh Kadam
12. Riddhi Rajesh Desai
13. Ayushi Yadav
14. Azmat Amir Hamza Shaikh
15. Ayush Pandey
16. Muskan Noor Shaikh
17. Ravi Verma
18. Priya Singhania
19. Karthik Rajan
20. Neha Kapoor
21. Rohan Sharma
22. Priyanka Mehra
23. Kartik Mehta
24. Riya Singh
25. Aarav Gupta
26. Nisha Patel

27. Vikas Verma
28. Shruti Deshmukh
29. Ajay Kumar
30. Anjali Sharma
31. Sameer Khan
32. Tanvi Shah
33. Arjun Reddy
34. Pooja Sharma
35. Mohit Suri
36. Juhi Mehta
37. Manish Kapoor
38. Ananya Singh
39. Rohit Kumar
40. Neha Gupta

GPS Map Camera
Mumbai, Maharashtra, India
Rajhans school, HMP School Campus, D.N. Road, near Bhavan's College, Munshi Nagar, Andheri West, Mumbai, Maharashtra 400058
Lat 19.122267°
Long 72.833057°
09/02/24 11:45 AM GMT +05:30
Google

GPS Map Camera
Mumbai, Maharashtra, India
Rajhans school, HMP School Campus, D.N. Road, near Bhavan's College, Munshi Nagar, Andheri West, Mumbai, Maharashtra 400058
Lat 19.122267°
Long 72.833057°
09/02/24 11:30 AM GMT +05:30
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GPS Map Camera
Mumbai, Maharashtra, India
Rajhans school, HMP School Campus, D.N. Road, near Bhavan's College, Munshi Nagar, Andheri West, Mumbai, Maharashtra 400058
Lat 19.039397°
Long 72.818711°
09/02/24 11:10 AM GMT +05:30
Google

GPS Map Camera
Mumbai, Maharashtra, India
Rajhans school, HMP School Campus, D.N. Road, near Bhavan's College, Munshi Nagar, Andheri West, Mumbai, Maharashtra 400058
Lat 19.122267°
Long 72.833057°
09/02/24 10:43 AM GMT +05:30
Google

Ashwini Pansare

(Faculty In-charge)

Mr. Jonathan Dabre

(Vice Chairperson)

TEDxCRCE
x = independently organized TED event

Process of Innovation Development, Technology Readiness Level(TRL)

DATE: 28/02/2024

Name of the event: Process of Innovation Development, Technology Readiness Level(TRL)

Date of event: February 28th, 2024.

Number of Students attended: 49

Speaker : Prof. Prachi Patil, Department of Computer Engineering

On February 28th 2024, TEDxCRCE hosted a seminar titled "Process of Innovation Development and Technology Readiness Level (TRL)" presented by Prof. Prachi Patil from the Computer Department of Fr. Conceicao Rodrigues College of Engineerin'. This seminar was a convergence of students and faculty who share a keen interest in the nuances of technological innovation. The focus of the seminar was to elucidate the process involved in the development of innovation and to delve into the concept and practical application of Technology Readiness Levels (TRLs), complemented by relevant case studies. Prof. Prachi Patil, as the speaker, adeptly navigated through these complex topics, offering profound insights and engaging the audience in a meaningful exploration of innovation in technology.

Professor Prachi Patil started a seminar with a captivating talk about fostering innovation. She underscored that innovation involves more than just coming up with novel ideas; it entails transforming those thoughts into commercially viable goods or services that give value. The main issues that were emphasised include:

- **Idea Generation and Evaluation:** Brainstorm and gather diverse ideas, then use criteria to identify the best options.tailoring their resume to the job they are applying for, as well as how to highlight their skills and accomplishments.

- **Concept Development:** Refine the chosen idea into a detailed plan, including details on its technology, market, and design.

- **Prototyping and Testing**: Create working models of the concept to test its performance, gather user feedback, and refine the design based on testing results.

Key Points from the seminar

1. Innovation development follows a step-by-step process, starting with generating ideas and ending with the launch of a product or service that customers can buy.

2. Technology Readiness Levels (TRLs) offer a structured system for assessing the development stage of a technology. This framework is vital for stakeholders such as investors, developers, and policymakers to gauge the maturity and viability of a technology for potential investment or implementation.

3. Real-life examples from various industries demonstrate that using Technology Readiness Levels (TRLs) is a versatile tool that can help in guiding the development and use of technologies in any field.

The seminar ended with an animated question-and-answer period, highlighting the audience's keen interest and involvement. Professor Prachi Patil's in-depth knowledge of innovation development and the strategic use of Technology Readiness Levels provided attendees with practical tools to navigate the challenging field of technological innovation.

IIC EVENT : 28/02/2024

PROCESS OF INNOVATION DEVELOPMENT & TRL

SR.NO	RollNo	NAME	SIGN.
1	9909	Pratyay Kelay	
2	9877	Aadil Attar	
3	9900	Jonathan Gomes	gomes
4	9881	Shwen · Coutinho	
5	9876	Ansari Allauddin	
6	9878	Adwait Chavan	adwait
7	9882	Aryan Daripkar	
8	9890	Vallen Dsouza	
9	9906	Azaan Khan	
10	10401	Harshada Gawas.	Harshada.
11	9917	JOVIEN MENDONCA	
12	9879	Jayden Colaco	
13	9888	Alvin Dsouza	
14	9889	Samuel Dsouza	
15	9926	Vedant Parte	Vparte
16	10398	Chirag Adve	
17	10403	SIDDIQUI SAAD	
18	9899	Cyrus Gomes	
19	9885	Leora Dias	
20	10400	Pratik Dhavlotkandi	
21	9897	Saloni Gaonkar	Saloni
22	9898	Shreya Ghorpade	
23	9887	Pearl Dmonte	Pmonte
24	9891	Dasha Dvaite	DD

25	10402	Noel John	
26	9923	Riya Naik	
27	9910	Sakshi Kupekar	
28	9892	preetham Fernandes	
29	9935	Shashank Tiwari	
30	9907	FIZA KHAN	
31	9930	Steffi Peter	
32	9911	Andronicus Lall	
33	9922	Gayatri R Nadar	
34	9925	Bhakti P	
35	9913	Mark Lopes	
36	99188	Vedang Mirgal	
37	9937	Karan Vishwakarma	
38	9939	Satish Yadav	
39	9928	Rohit Patra	
40	9933	Badal Singh	
41	9886	Joshua Dmello	
42	9894	Zane Fernandes	
43	9903	Saumitra Gurav	
44	9915	Larissa Martis	
45	9893	Reuben Fernandes	
46	9951	Croysline Correa	
47	9919	Soham Mokashi	
48	9885	Joshua Dmello	
49	9916	Shaun Mendes	

FR CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
FR. JOSEL AGNELO DIAS
MUMBAI-400050

Innovation with Drones and UAVs

DATE: 24/01/2024

Webinar Schedule/Session Plan:

Sr. No.	Date	Time	Contents
1	17.01.2024-22.01.2024	1.30PM-2.00PM	Preparation and practice
2.	23.01.2024	1.30PM-4.30PM	Dry Run
3.	24.01.2024	10.00PM-1.00PM	Seminar in the school

The seminar on Innovation with Drones and UAVs was conducted in **Fr. Agnel Ashram Technical School, Bandra** for a Class of 8th standard students.

Name of the event: ***Innovation with Drones and UAVs***

Date of event: *January 24th 2024, 10.00AM-1.00PM*

Location of the event: *Fr. Agnel Ashram Technical School, Bandra*.

Sponsoring organisation: *Fr. CRCE*

Number of students attended: **63**

Objectives:

1. To introduce students with drone technology.
2. Creating awareness about the possibilities, applications, and opportunities for the development of drones and UAVs.
3. To acquaint learners with basic technical terminology and concepts required to design a drone.

Report:

The Session was divided in three main sections – 1. The introduction 2. Understanding Drone Technology and 3. Drone Applications

The event started by Captain of Team Mavericks, **Ms. Shalaka Vengurlekar** with a very nostalgic and interesting glimpses of technology seen in movies such as the drone in the film "Three idiots" and the Garud drone in "URI." With having the attention of the very curious young audience, the session was then taken further to build up a simple background about machines and robotics.

With some introduction about Machines, the parts they comprise of, then slowly flowing into robotics and the different applications of robotics. After developing a background, the conversation about robotics was further taken forward to develop the discussion about robotic flying machines, aka drones! Further on the session was about how to understand how to understand the construction of drone technology.

Our young audience was very enthusiastic and eager to know more. **Mr. Andre John** introduced different parameters of drone classification, where the different ways in which drones can be classified were discussed. For example, fixed wing drones, multirotor drones or classifications based on number of rotors, classification based on applications and classification based on size of the UAV.

Next, the drone system overview where the major systems and Mechanisms were elaborated in detail by **Ms. Nicole Mascarenhas**. The power and propulsion system, control and navigation system, communication and payload system, redundancy and safety features were explained with the aid of engaging.

Ms. Becky and **Ms. Brita** quizzed the students gently on the name and function off different parts by displaying the actual drone component. This activity was highly welcomed by the children and they also asked a lot of questions about how certain components work world. Along with this short activity, the parts, and functions of each of the devices used in these systems was explained with a live demonstration of all the materials. Components such as the frame, GPS module, ESC, propellers, radio transmitter, battery, flight controller, receiver, motor, camera, landing gear, were all explained along with their functions and specifications.

Ms. Lynn Dsa explained different types of drone frames and materials involved in their construction was also discussed.

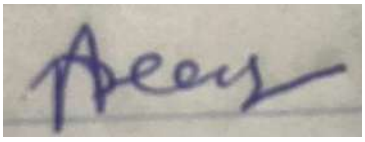
Further, Vice-Captain **Ms. Manasvi Patil** and **Ms. Seema Yadav** drone introduced autonomy and machine learning to the 8th grade students in a very simple way for them to understand the roots and the applications of these emerging technologies such as obstacle avoidance, navigation, autonomous operations, and mission planning. Path planning topic was touched upon along with interesting videos of drones maneuvering through a dense bamboo forest drones scanning a surveillance drone and a few other examples that the advantages and disadvantages of the above was also covered.

Finally in the last part off the session top applications of drones was discussed. **Mr. Vivek Kumar** discussed agricultural automation, photography and drone show was explained by **Mr. Vedant Goraksha**, **Mr. Amrit Fernandes** discussed wildlife monitoring, and **Mr. Adithya Nair** discussed military applications of drones and UAVs was discussed. There was an overwhelming reaction of the students about the sky-high possibilities of this technology.

Outcome:

The basics of many high-level technical subjects were covered in a very simple manner, which would help students break down the technologies around them, and understand them better. Big revolutionizing concepts were brought down to the classroom education podium to spark interest in the future generation about the wide range of possibilities that they can build, develop, and fly!

4. Develop an overall understanding about what drones are and their main features and terminologies.
5. Get an insight about the role of this technology in different applications.
6. Get a basic exposure to a diverse themes of technology like computer science, mechanical engineering, and electronics engineering,
7. Creating awareness about the possibilities, applications and opportunities for the development of drones and UAVs.
8. To acquaint learners with basic technical terminology and concepts required to design a drone.



Teacher in charge

Prof. Aseem Nevrekar

Photos:

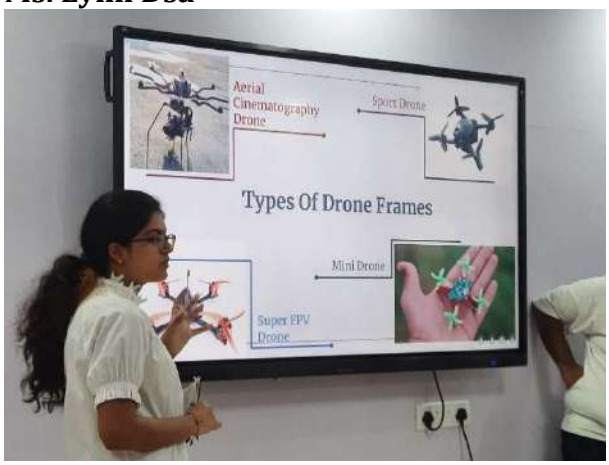
Ms. Shalaka Vengurlekar

Mr. Andre John:

Ms. Nicole Mascarenhas

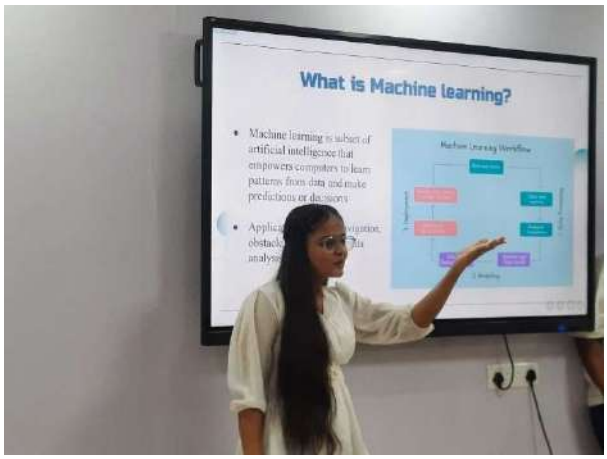
Ms. Becky and Ms. Brita

Ms. Lynn Dsa



Ms. Manasvi Patil

Ms. Seema Yadav



Mr. Vivek Kumar

Mr. Vedant Goraksha

Geo tagged photos:

Google
Bandra - Worli Sea Link, Mount Mary, Bandra West, Mumbai, Maharashtra 400050, India
24 Jan 2024 12:33 pm

Google
Bandra - Worli Sea Link, Mount Mary, Bandra West, Mumbai, Maharashtra 400050, India
24 Jan 2024 12:33 pm

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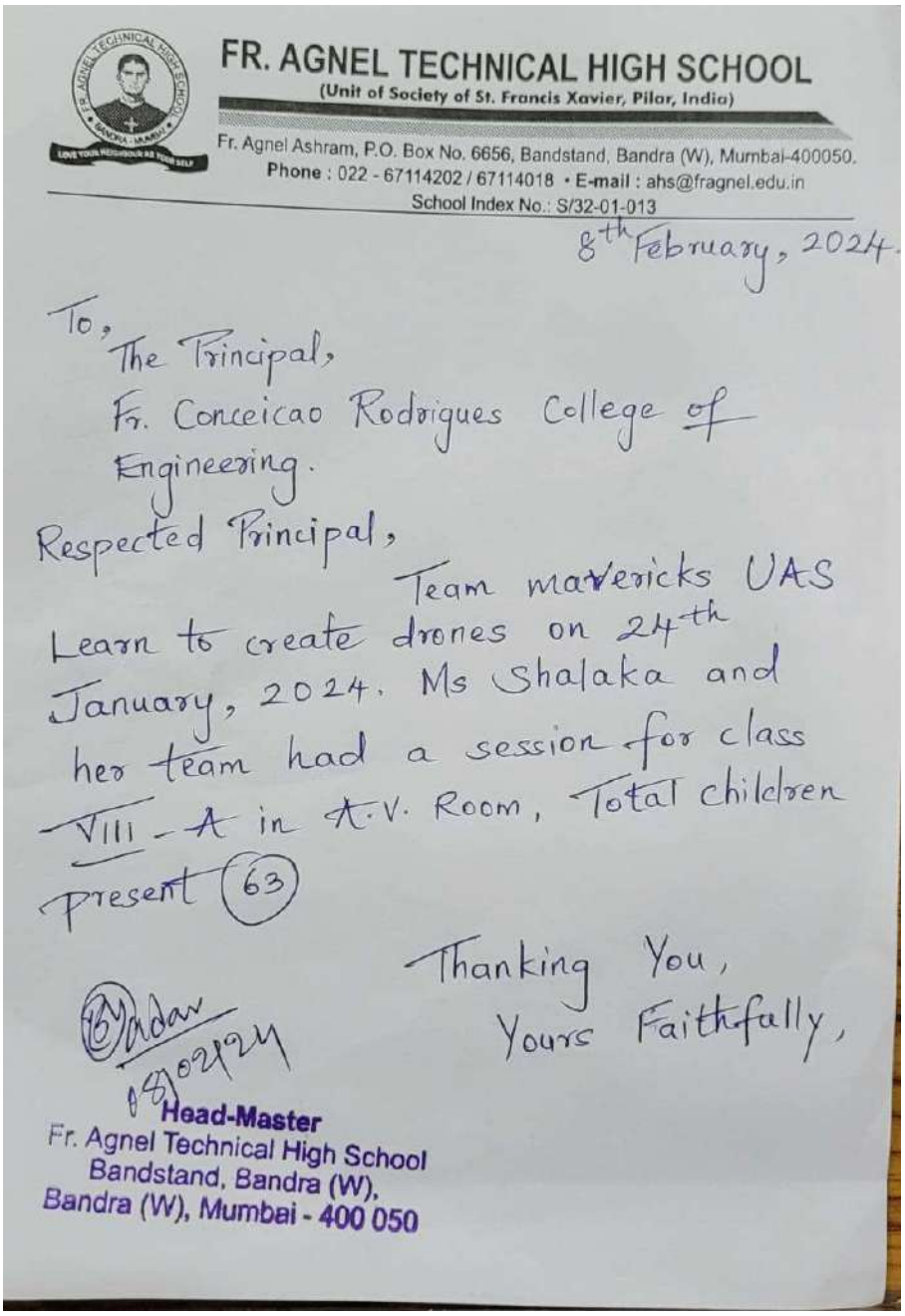
Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai – 400 050

INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiative)
IIC-FrCRCE

Attendance :

School student attendees: 63



FR. AGNEL TECHNICAL HIGH SCHOOL
(Unit of Society of St. Francis Xavier, Pilar, India)
Fr. Agnel Ashram, P.O. Box No. 6656, Bandstand, Bandra (W), Mumbai-400050.
Phone : 022 - 67114202 / 67114018 • E-mail : ahs@fragnel.edu.in
School Index No.: S/32-01-013

8th February, 2024.

To,
The Principal,
Fr. Conceicao Rodrigues College of Engineering.

Respected Principal,

Team mavericks UAS Learn to create drones on 24th January, 2024. Ms Shalaka and her team had a session for class VIII - A in A.V. Room, Total children present (63)

Thanking You,
Yours Faithfully,

08/02/24

Head-Master
Fr. Agnel Technical High School
Bandstand, Bandra (W),
Bandra (W), Mumbai - 400 050

Student organisers and presenters :

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai – 400 050

INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)
IIC-FrCRCE

Institute Innovation Council –Fr.CRCE (Mumbai)

Student Organising committee

Session Topic: Innovation with Drones & UAVs Date: 24/01/2024

Sr. No.	Roll Number	Name	Department	Signature
1	9558	Brita Nader	COMPUTER	Brita
2	9626	Becky Nadar	COMPUTER	Becky
3	9171	Shalaka Vengurlekar	ECS	Shalaka
4	9724	Nicole Mascarenhas	AIDS	Nicole
5	9584	Seema Yadav	COMPUTER	Seema
6	9816	Anugu Vishnuvardhareddy	ECS	A.Vishnu
7	10027	Adithya Nair	MECH	Adithya
8	9833	Vedant Gonakeha	ECS	Vedant
9	9837	Vivek Kumar	ECS	[illegible]
10	9472	Amrit Fernandes	ECS	[illegible]
11	9544	ANDRE JOHN	COMPUTER	[illegible]
12	9660	Lynn Dsa	MECHANICAL	Lynn
13	9219	Manasvi Patil	COMPUTER	[illegible]

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Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai - 400 050

INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)
IIC-FrCRCE

Event Report: "Crescendo 2024: Formula Unicorn"
Date: 23rd February, 2024

The students council organized an event named "Crescendo," which included a competition called "Formula Unicorn" hosted by the E-Cell. The competition consisted of two rounds. In the first round, teams were required to participate in a bidding competition where they had to purchase a minimum of two and a maximum of four companies. Each team was given an initial amount of 100 crore to use for the bidding process.

Event Details:

- Event Title: **Formula Unicorn**

- Date: **February 23, 2024**

- Venue: **Lab 709**

- Hosted by: **E-Cell and Students Council**

- Teams Participated: **24**

The event unfolded with an exhilarating display of participation from 24 teams, each brimming with ambition and honed skills, injecting the atmosphere with an electrifying energy. Yet, amidst the spirited competition, only 10 emerged triumphant, their unwavering determination serving as a beacon of inspiration for others. As they navigated through the challenges, their perseverance shone brightly, propelling them to the second round amidst the fierce battles for victory.

The winning team received a prestigious prize of 1000, while the runners-up were awarded 600, recognizing their dedication and hard work. These incentives went beyond monetary value, igniting passion and commitment in all participants. They symbolized the culmination of intense training and sacrifice, transforming the event into a celebration of perseverance and dedication, inspiring all who witnessed it..

Guiding the proceedings with wisdom and discernment were three esteemed professors from our college: Dr. B. S. Daga, Prof. Prachi Patil, and Prof. Aastha Bhatia. Their profound expertise and seasoned judgment lent an aura of credibility to the judging process, elevating the competition to greater heights of integrity and excellence.

Video Link: ECELL-CRCE Formula Unicorn 2024

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Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai - 400 050

INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)
IIC-FrCRCE

E-Cell CRCE Formula Unicorn			
Participant 1	Participant 2	Participant 3	Year Dept.
Sanvi Pokle	Moeez Shaikh	Shreyash Singh	BE AiDs
Pratham Mahajan	Nimish Nandanwar	Junaid Mirza	BE AiDs
Gaurav Rajesh Nile	Adrian Johnson Thomma n	Aditya Dabreo	FE Comps A
Jason Rodrigues	Shreeshailya Patil	Christopher Roach	BE ECS
Mathew Lobo	Ivan Dsilva	Himanshu	BE Comps A
Yash punmiya	Nishant maurya	Tanish lel	FE Comps B
Jonathan Duarte	Srijita Patra	Renu Nanadikar	BE Comps A
Swayam mishra	Dhava khandhadia	Sean pereira	FE Comps B
Marlon Valladeres	Vansh Thakkar	Ivan Dsouza	TE Comps A
Keith Dsouza	Lenroy Dsouza	Alston Dsouza	SE AiDs
Dhruvi Panchal	Anthony nno	Shweta yadav	BE Mech
Rahul Bothra	Akshita Sharma	Max Tuscano	BE Comps B
Anosh Vadakkeparampil	Samuel Emmatty	Resham Patil	BE Comps B
Jerry Jacob	Suraj Shinde	Desmond Antony	TE ECS
Darshan Kishor Jain	Jostan Mathias	Aditya rathod	SE AiDs
Mann Patel	Shreedhar Bhat	John Rajan George	TE Comps B
Rohan negal	Darren	Harsh	FE Comps A
Sandra Thayyil	Amish Nair	Saqueeb Kudroli	BE Mech
Rugved Wankhade	Harsh Parmar	Joel Pawar	TE Comps A
Siddesh revankar	Janhvi Gupta	Jaya nishad	TE ECS
Jaden Vaz	Hazel Sequeira	Niva Thakur	FE ECS
Preetham Fernandes	Aadil Attar	Allauddin Ansari	SE Comps A
Farhan Khan	Tanuj Kumbhar	Yash Thorat	BE ECS
Saumitra Gurav	Samuel Dsouza	Jefin John	SE Comps A

Winners of Formula Unicorn 2024:
1. BE ECS
2. BE Comps A

Prof. Prajakta Bhangale
(E-Cell Incharge)

Dr. Surendra Rathod
(Principal)

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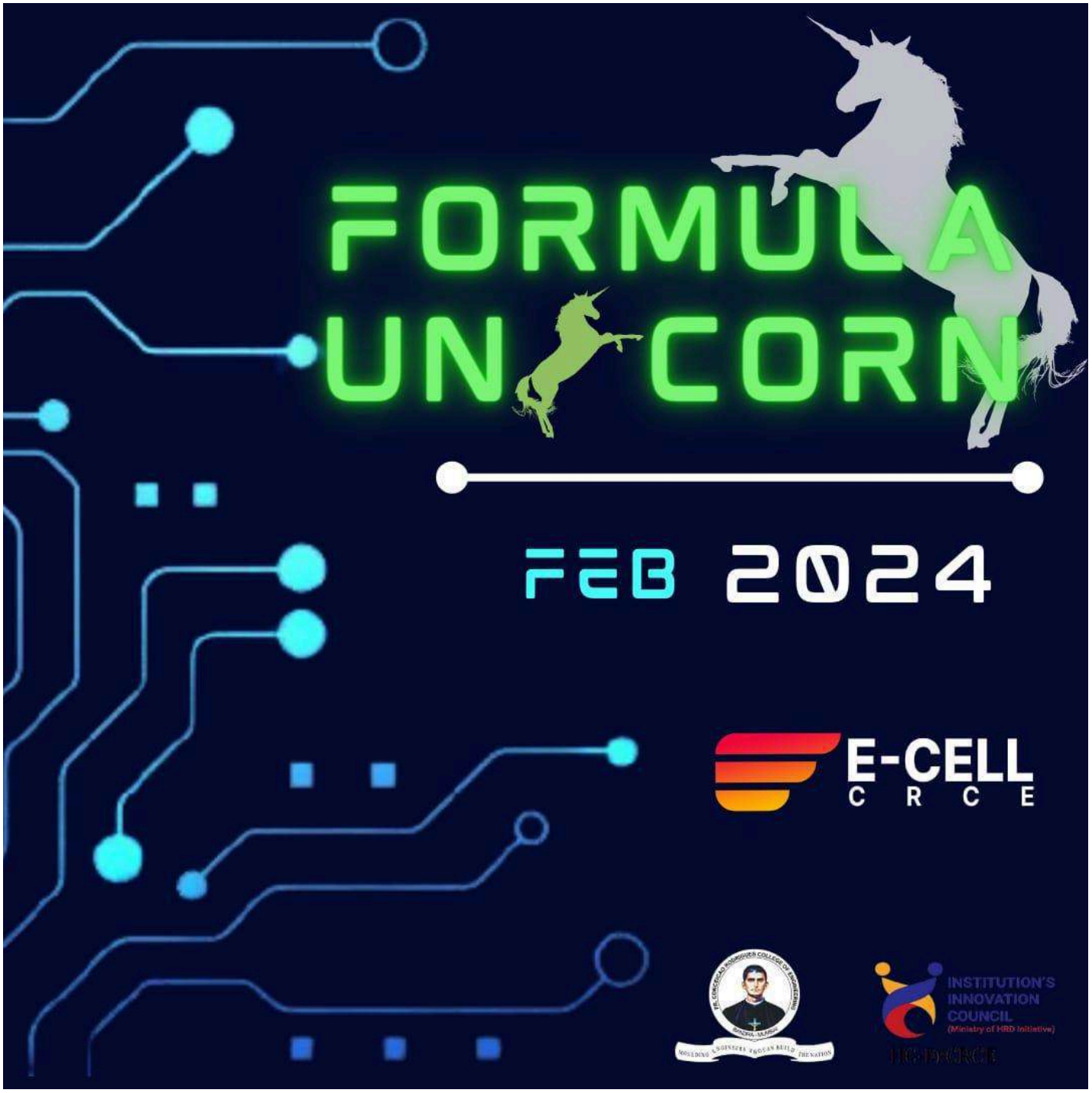
INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)
IIC-FrCRCE

Event Poster:



Images:

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2024
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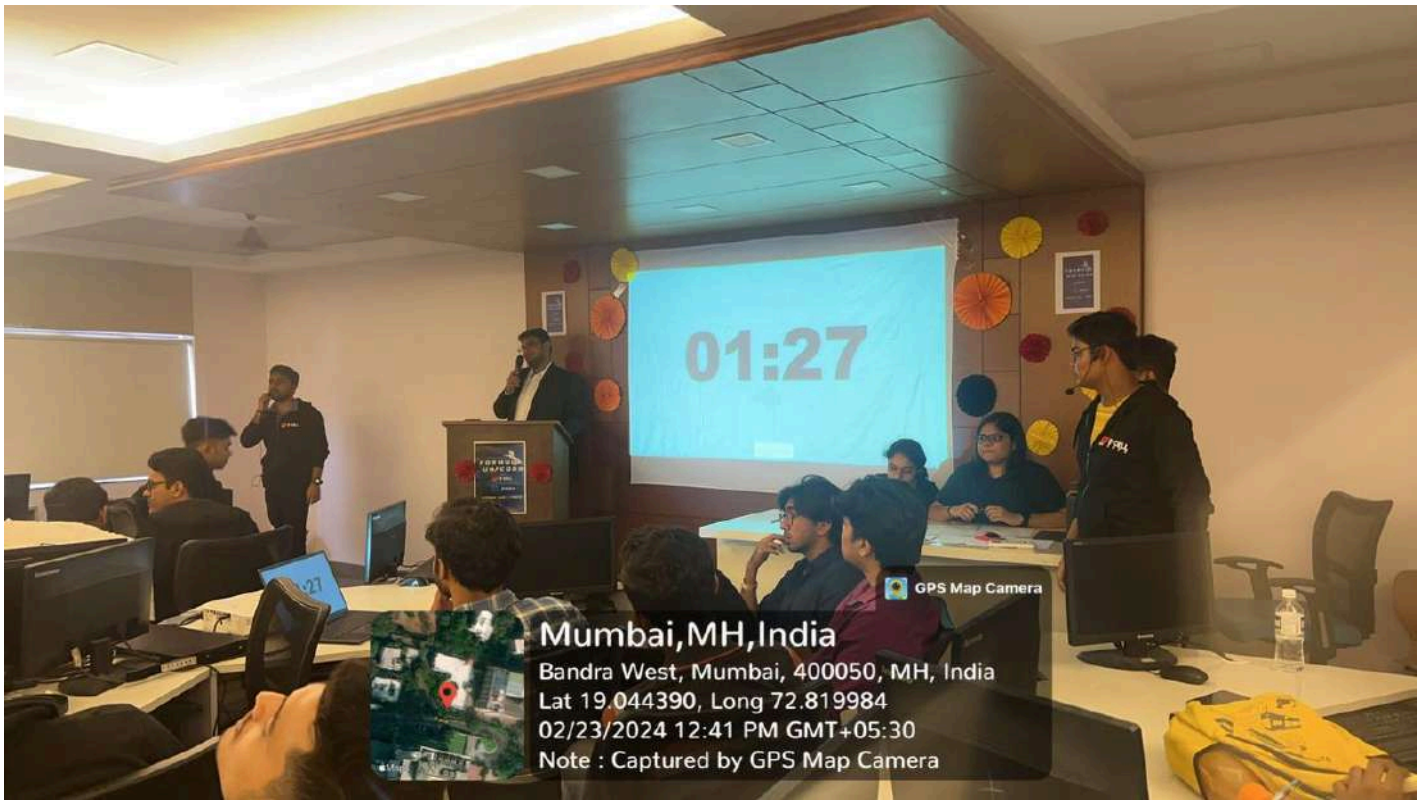
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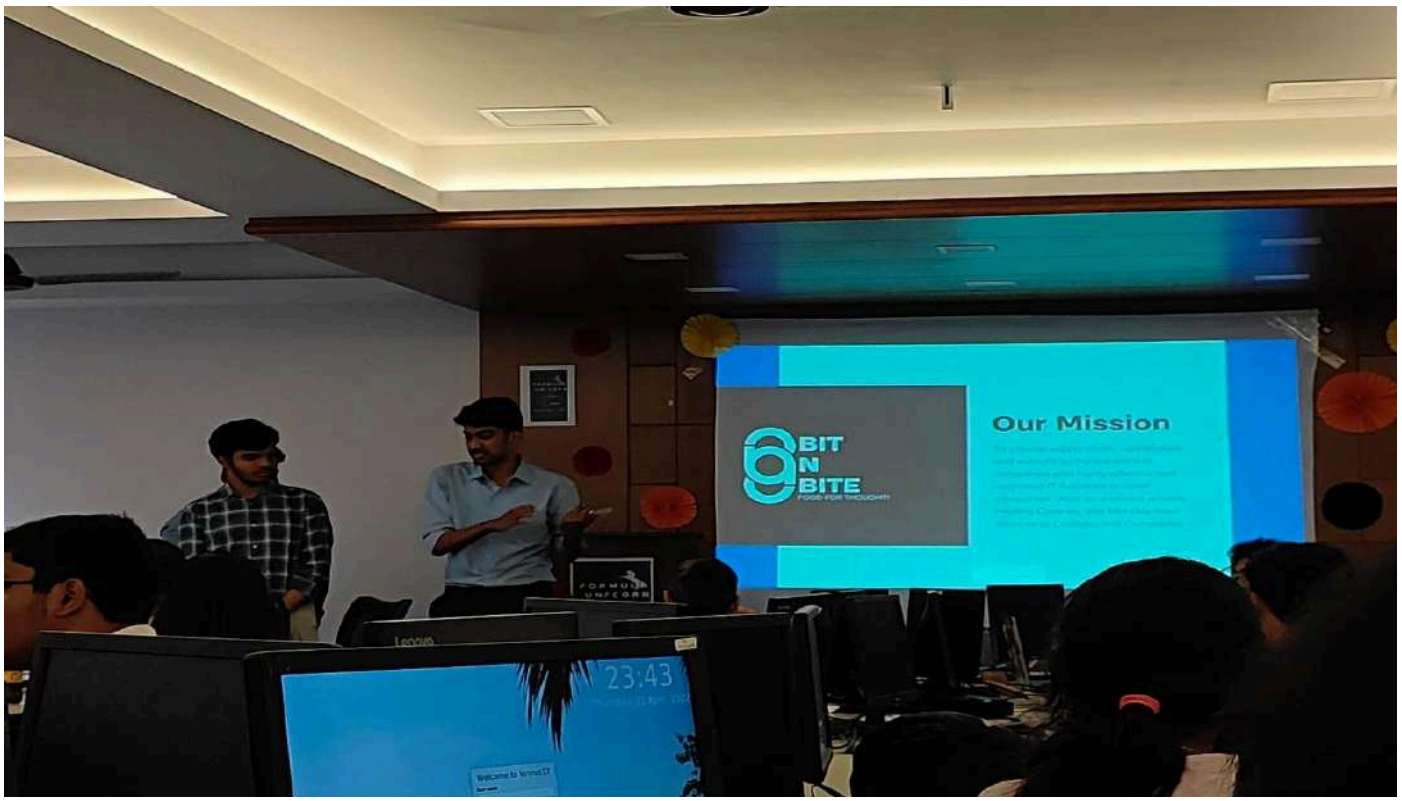
TutorBox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Our Mission
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Event Recap: "Smowcode"
Date: 16th January, 2024

ECELL-CRCE along with **Mozilla Campus Club CRCE** organized a seminar on 'Smowcode Presentation. On 16th January, the National Startup Day witnessed an insightful and engaging presentation by a distinguished speaker, who delved into the intricacies of Smowcode and provided a comprehensive guide on its usage. The event took place at Seminar Hall and was attended by a diverse audience, eager to explore innovative technologies in the startup ecosystem.

Event Details:

- Event Title: **Smowcode**

- Date: **January 16, 2024**

- Platform: **College Premise [Seminar Hall]**

- Hosted by: **E-Cell and Mozilla Campus Club**

- Students Participated: **146**

About the Event:
Following were the topics covered in the seminar:
Introduction to Smowcode:

- The speaker provided a clear definition of Smowcode, emphasizing its role in simplifying the coding process for startups. Smowcode, known for its user-friendly interface, aims to streamline and accelerate software development, making it an attractive option for entrepreneurs seeking efficient solutions.

Features and Capabilities:

- The speaker elaborated on the key features and capabilities of Smowcode. This included its intuitive design, collaborative features, and compatibility with various programming languages. Attendees gained insights into how Smowcode could enhance collaboration among development teams and facilitate faster project delivery.

Hands-On Demonstration:

- To make the presentation more interactive, the speaker conducted a hands-on demonstration of using Smowcode. This allowed the audience to witness firsthand how the platform works, navigate its interface, and understand its potential applications in real-world coding scenarios.

Benefits for Startups:

- The speaker highlighted the specific benefits Smowcode offers to startups. These included increased efficiency, reduced development time, and enhanced collaboration, ultimately contributing to a more agile and responsive startup environment. The cost-effectiveness of Smowcode was also emphasized, appealing to resource-conscious entrepreneurs.

Case Studies and Success Stories:

- To substantiate the effectiveness of Smowcode, the speaker shared relevant case studies and success stories of startups that have successfully integrated Smowcode into their development processes. This provided valuable insights into the tangible impact of adopting this technology.

Q&A Session:

- The presentation concluded with an engaging question-and-answer session, allowing attendees to seek clarification on specific aspects of Smowcode and its implementation. The interactive nature of the session fostered a dynamic exchange of ideas and further enriched the learning experience.

Conclusion and Impact:

Overall, the National Startup Day event featuring the Smowcode presentation proved to be a valuable resource for attendees, equipping them with knowledge about innovative technology poised to reshape the way startups approach coding and software development. The event successfully facilitated networking opportunities and sparked discussions on the potential integration of Smowcode in various startup ventures.

Prof. Prajakta Bhangale
(E-Cell Incharge)

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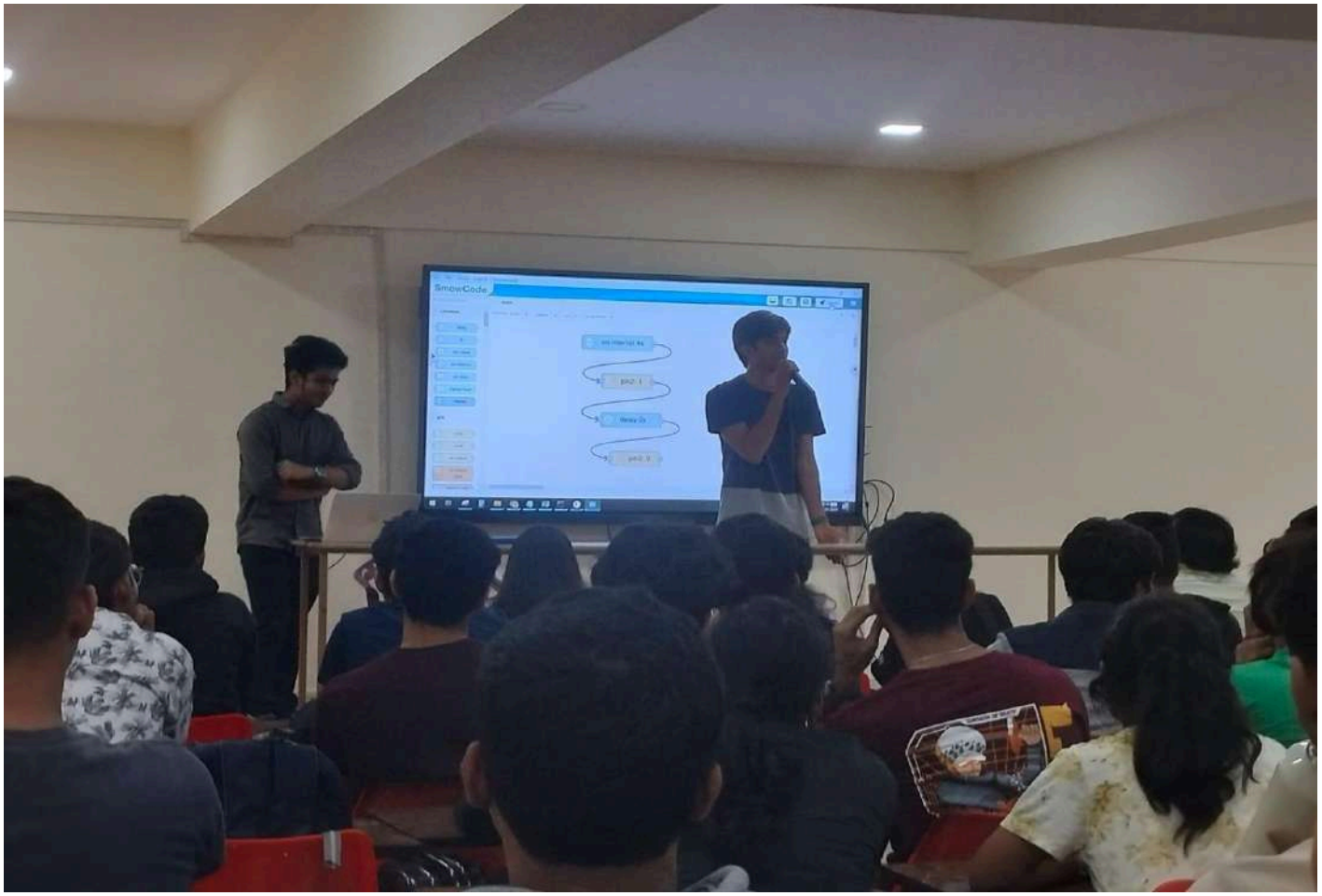
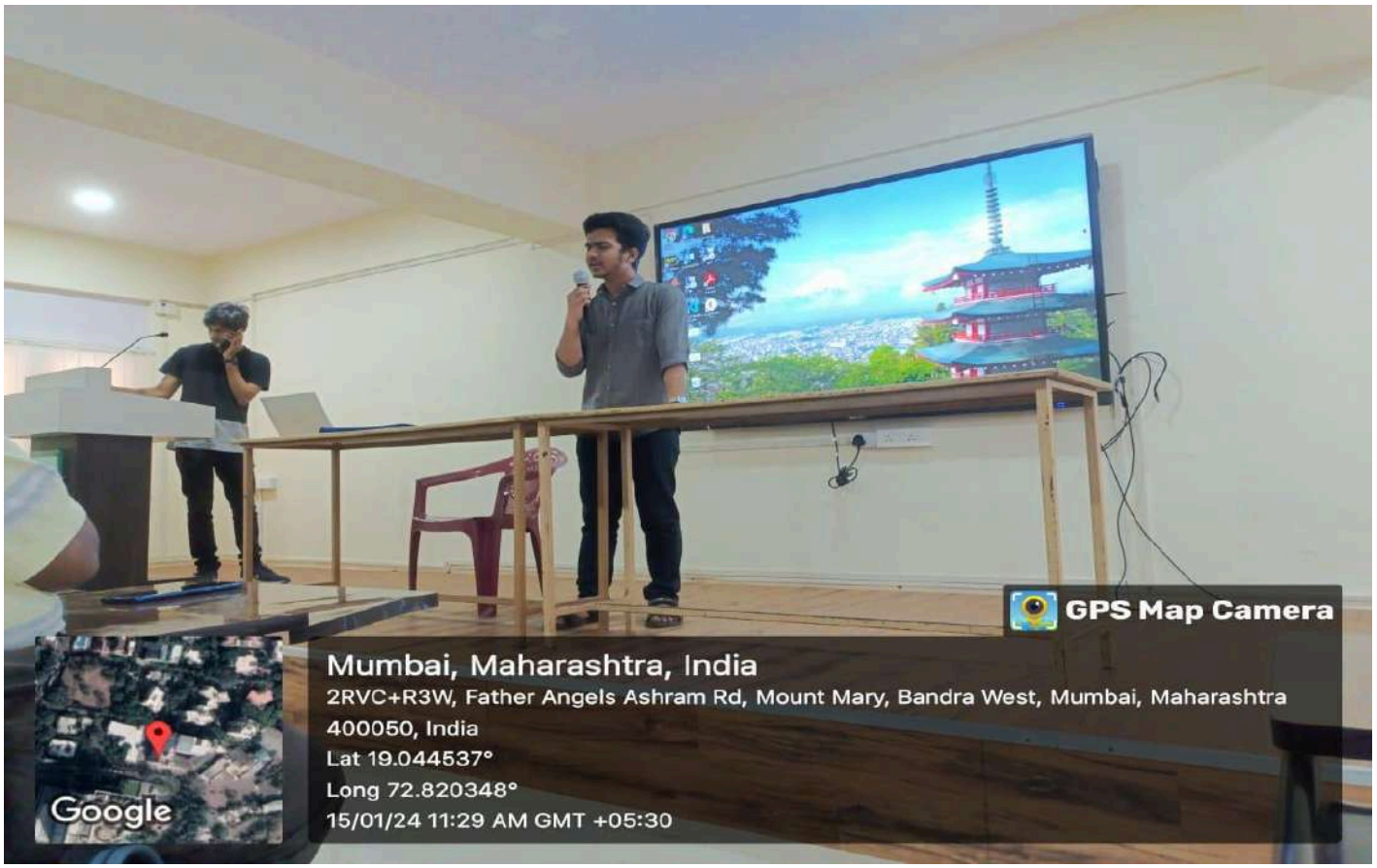
Event Poster:

Event Images:

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Sr. No.	Roll No.	Student Name
1	8808	Jeshurun Edwin
2	9111	Drishti Gopal Agrawal
3	9112	Akash Agre
4	9113	Sheldon Almeida
5	9114	Harshit Lohitakxa Anchan
6	9115	Sahil Bane
7	9116	Dhruvin H Barot
8	9117	Lenin Carvalho
9	9118	Lionel Castelino
10	9119	Mahender Arjunram Choudhary
11	9120	Rhea Terry Coutinho
12	9121	David Jennicson
13	9122	Aaron Dsouza
14	9124	Mohini Vineet Gautam
15	9125	Atharva Getle
16	9126	Mohsin Ghadiali
17	9127	Ajay Iyer
18	9128	Vishal Jaiswal
19	9129	Pulkit Anand Janya
20	9130	Ronit Jhaveri
21	9131	Aayush Rajesh Juhukar
22	9132	Attar Singh Kalsi
23	9133	Piyush Ram Kasle
24	9134	Farhan khan
25	9135	Ritesh Khandekar
26	9136	Arpita Khot
27	9137	Tanuj Jaya Kumbhar
28	9138	Leroy Machado
29	9139	Anika Makhija
30	9140	Yashraj Malani
31	9141	Fiola Riva Mathias
32	9142	Kaushik Nakashe
33	9143	Shubham Soni Nath
34	9144	Mohammed Moiz Nulwala
35	9145	Ronit Patange
36	9146	Prachiti Patil
37	9147	Shreeshailya Patil
38	9148	Hemant Pawar
39	9149	Mathew Kuruvilla Payapilly

40	9150	Dhruv Pednekar
41	9151	Malcolm James Pereira
42	9152	Hardik Prajapati
43	9154	Alisha Rawat
44	9155	Pranil Rego
45	9156	Reyhaan Binny
46	9157	Christopher Roach
47	9158	Jason Rodrigues
48	9159	Vivek Sain
49	9160	Lavil Saldanha
50	9161	Santo Sunny
51	9483	KHADE KARTIK KIRAN
52	9484	Khan Sharique Sharif
53	9128	Jaiswal Vishal Subhash
54	9129	Janya Pulkit Anand
55	9418	Prabhughate Mrinmayi Milind
56	9485	KOKANE NIVEDITA KISHOR
57	9487	MARFATIA KHEVNA RITESH
58	9488	Mathur Akshat Amit
59	9490	MOHITE ARYAN SANDEEP
60	9492	NISHAD JAYA SATYAPRAKASH
61	9493	PARMAR BHAVIK SAMPAT
62	9494	PATANKAR KAUSTUBH SANJAY
63	9495	Patil Sameer Kamalakar
64	9496	PEREIRA KEEFE WILFRED
65	9470	CHELTON DEVA
66	9497	POONAWALA FIHAN RIAZ
67	9498	RAJPUT KARAN AJAY
68	9499	RAO RUCHITA SHRIDHAR
69	9500	RODRIGUES YOHAN FRANCO
70	9501	S LOKESHARAN N SUNDERRAJ
71	9502	SAAQIB SHAIKH
72	9503	SAHAY SHREYA SHAILENDRA
73	9504	SAHU PRAVINKUMAR DHIRENDRA
74	9505	SEQUEIRA STEVE SAVIO
75	9506	SHANBHAG SHUBHAM DAYANAND
76	9507	SHETTY DHRUV UDAY
77	9508	SHETTY SHUBH SANTOSH
78	9509	SHINDE SURAJ DATTATRAYA
79	9510	SHUKLA ASHWIN KARMDEV

80	9511	SINGH RATAN TEJNARAYAN
81	9512	SONI KRISHNA SHARAD
82	9514	THOMAS ROSHAN BIJOY
83	9515	Vaibhav Tripathi
84	9516	VERMA ADITYA GOVIND
85	9517	WASNIK AARUSH UMESH
86	9519	ZOPE MUGDHA DILEEP
87	9657	CHAVAN SUMEDH RAJESH
88	9751	CHAVAN VAISHNAVI VIJAY
89	9752	GUPTA AMAN RAMPREET
90	9753	GURAV ADITYA ASHOK
91	9754	MALAP AADITYA NARENDRA
92	9755	MISTRY KRISHNA HEMANT
93	9756	PATEL BHARGAVI AJAY
94	9757	PATIL MAYURESH JITENDRA
95	9758	REVANKAR SIDDHESH PRASHANT
96	9759	SIDDIQUI ABDULLAH IRFAN
97	9760	WORLIKAR BLESON THOMAS
98	9466	ARUR VRUSHANK MAHESH
99	9462	ADITHYA MANOJ
100	9130	Jhaveri Ronit Tejas
101	9131	Juhukar Aayush Rajesh
102	9132	Kalsi Attar Singh Avtar Singh
103	9133	Kasle Piyush Ram
104	9134	Khan Farhan Firoz
105	9135	Khandekar Ritesh Suhas
106	9136	Khot Arpita Ashok
107	9137	Kumbhar Tanuj Jaya
108	9138	Machado Leroy Leo
109	9419	Rodrigues Jeroy Joseph
110	9139	Makhija Anika
111	9140	Malani Yash Rangnath
112	9141	Mathias Fiola Riva / Wilfred
113	9142	Nakashe Kaushik Dinesh
114	9143	Nath Shubham Soni Subhash
115	9144	Nullwala Mohammed Moiz
116	9145	Patange Ronit Parag
117	9146	Patil Prachiti Pramod
118	9147	Patil Shreeshailya Vishwasrao
119	9420	Shah Vrushti Hitesh

120	9148	Pawar Hemant Budharam
121	9149	Payapilly Mathew Kuruvilla
122	9150	Pednekar Dhruv Kamlesh
123	9151	Pereira Malcolm James
124	9152	Prajapati Hardik Raju
125	9154	Rawat Alisha Bharat Singh
126	9155	Rego Pranil Prakash
127	9156	Reyhaan Binny
128	9157	Roach Christopher Clifford
129	9158	Rodrigues Jason Louis
130	9159	Sain Vivek Pawan Kumar
131	9160	Saldanha Lavil Victor
132	9161	Santo Sunny
133	9162	Save Nishal Kushal
134	9163	Sharma Esha
135	9164	Shetty Satwik Suresh
136	9165	Soans Jordan Herschel
137	9166	Suthar Dinesh Shailesh
138	9167	Thorat Yash Milind
139	9168	Varaiya Jinish Samir
140	9169	Vartak Dhruti Prashant
141	9170	Vazathra Emmanuel Saju
142	9171	Vengurlekar Shalaka Rakesh
143	9172	Wagh Kunal Dharmendra
144	9173	Wagh Yukta Arun
145	9415	Gaikawad Avaneesh Sham
146	9416	Hegde Amogh Vivek

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Event Recap: "Idea Competition: Phase 2"
Date: 2nd February, 2024

ECELL-CRCE recently organized a dynamic and forward-thinking event, the Idea Competition, in collaboration with the **Institute Innovation Council (IIC)** at FR CRCE. The Phase 2 of the Idea Competition, which took place on February 2, 2024, provided an excellent opportunity for students to reveal their entrepreneurial acumen. Participants presented their business models, demonstrating how they operate uniquely and effectively.The collaborative efforts of ECELL-CRCE and IIC-FrCRCE played a pivotal role in orchestrating an event that not only nurtured entrepreneurial aspirations but also fostered a spirit of innovation.

Event Details:

- Event Title: **Idea Competition**

- Date: **February 2, 2024**

- Platform: **College Premise**

- Hosted by: **E-cell and Institute Innovation Council (IIC)**

- Team Participated: **10**

About the Event:

- During the event, teams consisting of 3 to 4 members eagerly showcased proof of concepts for their innovative ideas to a panel of esteemed judges. The judging process involved a thorough assessment of key criteria such as the originality of the concepts, integration of advanced technologies, technical and financial feasibility, as well as insights from extensive market research.
- Professors from FR CRCE assumed pivotal roles as judges, leveraging their expertise and vast experience to evaluate the potential impact and feasibility of the proposed ideas.

Judges:

1. Prof. Swati Ringe

- Affiliation: Fr. Conceicao Rodrigues College of Engineering

2. Prof. Prajakta Bhangale

- Affiliation: Fr. Conceicao Rodrigues College of Engineering

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IIC-FrCRCE

Selected Teams for Phase 3:

E-Cell CRCE Idea Competition Phase 3 Participant Teams					
Team No.	Roll No.	Name	Year/Branch	Idea Title	Teacher Incharge
A	9886	Joshua Dmello	SE/Comps	IOT based baggage tracker and tracker App	Prof. Heena Pendhari
	9889	Samuel Dsouza			
	9885	Leora Dias			
	9893	Reuben Fernandes			
B - 1	9592	Aston Renith Castelinno	TE/Comps	SmartWaste+: An Intelligent Waste Management and Rewarding System	Prof. Kranti Wagle
	9594	Chhand Chaughule			
	9638	Slayde Sequeria			
	9528	Janice D'Cruz			
3	9462	Adithya Manoj	TE/ECS	Graphical password authentication system	Prof. Prajakta Bhangale
	9512	Soni Krishna Sharad			
	9484	Khan Sharique Sharif			
11	9788	Rohit Aabasaheb Khambe	TE/Mech	Mecanum Wheel Car Manufacturing	Dr. Vasim A. Shaikh
	9794	Paras Jagannath Patil			
	9787	Dev Suresh Kengar			
	9784	Pragati Datta Jadhav			
4	-	Aryan Negi	TE/Mech	Ev Conversion Kit	Dr. V S Jorapur
	-	Sahil Bhuvad			
	-	Sahil Sawant			
2	9381	Jabir Khan	BE/AIDS	Trendify: Your Virtual Dressing Room	Dr. Jagruti Save
	9354	Vincent Barnes			
	9408	Shreyash Singh			
2	9319	Kudroli Mohd Saqueeb Ashfaque Ahm	BE/Mech	Electricity from plant derivatives	Dr Vasim Shaikh
	9329	More Yash Santosh			
6	9511	Ratan Singh	BE/Mech	Personal Ai Trainer using Smart Mirror and Raspberry-pi	Prof. Jayen Modi
	9517	Aarush Wasnik			
	9755	Krishna Mistry			

Conclusion and Impact:

The Idea Competition at ECELL-CRCE stands not only as a testament to the innovation thriving within the student community but also as a launchpad for those ready to embark on an entrepreneurial journey.

Prof. Prajakta Bhangale
(E-Cell Incharge)

Judging Schema:

Step	Title	Description
01	Assessing the Business Idea	We evaluate your business idea and provide feedback on how to improve it.
02	Conducting Market Research	We conduct a market study, validate the market gap, and discuss how to implement the right marketing strategies.
03	Business Technology Analysis	We analyze the technical requirements needed and define the technical costs.
04	Business SWOT Analysis	We analyze the strengths, weaknesses, opportunities, and threats of your business.
05	Business Competitive Analysis	We define your potential competitors in the market and define the right strategies.

Event Images:

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E-Cell CRCE Idea Competition Phase II Participant Feedback						
Email Address	Name	YEAR	DEPT	What did you like about this idea?	How innovative do you find this idea? (Scale: 1-5)	Would you like to see this idea progress to the next phase of the competition?
slaydes13@gmail.com	Slayde Sequeira	TE	COMPS		Extremely innovative	Yes
sahilanilsawant123@gmail.com	Sahil Sawant	TE	MECH	It's useful for middle class families to continue driving their own vehicle with lesser running costs	Extremely innovative	Yes
crce.9462.ecs@gmail.com	Adithya Manoj	TE	ECS	Improving the authentication security system as well as creating a creative ui for the user to use with ease	Extremely innovative	Yes
crce.9788.me@gmail.com	Rohit Khambe	TE	MECH		Very innovative	Unsure
pragatiajadhav2000@gmail.com	Pragati datta jadhav	TE	MECH	Nothing	Moderately innovative	Unsure
paraspatil1206@gmail.com	Paras J. Patil	TE	MECH	Future Scope	Moderately innovative	Unsure
devkengar403@gmail.com	Dev kengar	TE	MECH	It is innovative	Somewhat innovative	Unsure
sjdsouza10@gmail.com	Samuel DSouza	SE	COMPS	The baggage tracker idea offers peace of mind to travelers by ensuring they can easily monitor their belongings throughout their journey.	Very innovative	Yes

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EVENT REPORT

Entrepreneurship Skills, Attribute and Behaviour.

DATE: 27/02/2024

Association of Computing Machinery at Fr. Conceicao Rodrigues College of Engineering, Bandra, Mumbai, organised a seminar on Entrepreneurship Skills, Attribute and Behaviour.

Name of the event: Entrepreneurship Skills, Attribute and Behaviour.

Guest Speaker: Ms. Sarika Davare

Date of event: February 27th 2024, 12.00 - 1.00 PM.

Location of the event: Room 806

Introduction:

On 27th February 2024, ACM CRCE successfully organized a highly informative event on "Entrepreneurship Skills, Attribute and Behaviour" led by Ms. Sarika Davare from the Artificial Intelligence and Data Science Department. The event aimed to equip students with the necessary skills to pitch products effectively, understand economic principles, enhance interaction and communication, contribute to society, and embrace entrepreneurship as a career.

Key Highlights:

1. Pitching the Product:

- Ms. Sarika underscored the art of effective product pitching, emphasizing the significance of a compelling value proposition and market understanding.

2. Introduction to Economics:

- The seminar delved into foundational economic principles, demonstrating their pivotal

role in shaping entrepreneurial strategies and decision-making.

3. Interaction and Communication:

- Ms. Sarika emphasized the vital role of interpersonal skills in entrepreneurial success, offering practical tips for effective communication and relationship-building.

4. Entrepreneurial Mindset:

- Students were inspired to view opportunities as potential business ideas, understanding the synergy between unique ideas and receptive markets.

Success Strategies:

Ms. Sarika spoke about how entrepreneurs can succeed and explained various points within it. The risks and rewards of entrepreneurship were candidly discussed, offering a realistic perspective. The characteristics and essential skills of successful entrepreneurs provided valuable guidance, emphasizing traits such as visionary thinking, adaptability, and strong decision-making skills. The event was interactive between Ms. Sarika and the students**.**

Developing Skills:

The seminar concluded with a group activity where students were divided into 3 groups. Each group had to sell their idea by making it innovative and also talking about the benefits. The students were actively participating. At the end, the groups were told to present their ideas in front of the whole class. One of the ideas was a Smart Fridge which stores the items of the fridge on the screen of the fridge and one can make recipes by using the fridge items. It also keeps a list of previous recipes.

Conclusion:

The Entrepreneurship Skills and Behavior Seminar, guided by Ms. Sarika Davare, significantly enriched the students' understanding of entrepreneurship. We express gratitude for the invaluable insights shared, motivating students to confidently embrace entrepreneurial endeavors. The success of this event inspires continued initiatives to foster entrepreneurial excellence within our college community.

Below are a few snapshots of the event:-

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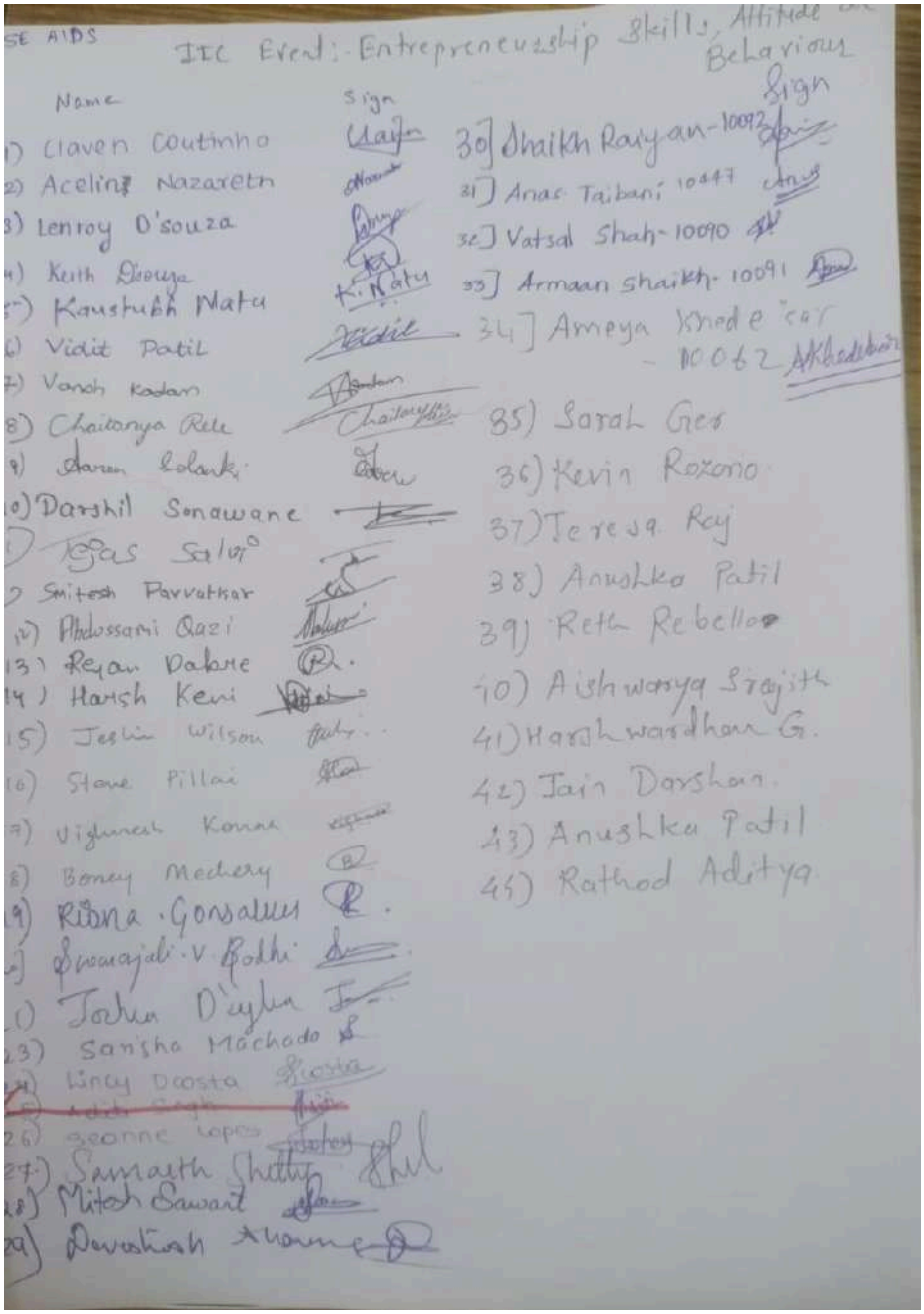
Attendance



SE AIDS IIC Event:- Entrepreneurship Skills, Attitude Behaviour

Name	Sign
1) Claven Coutinho	
2) Aceline Nazareth	
3) Lenroy D'souza	
4) Keith Dsouza	
5) Kaustubh Matu	
6) Vidit Patil	
7) Vansh Kadam	
8) Chaitanya Rele	
9) Aaron Lolanki	
10) Darshil Sonawane	
Yogas Salvi	
Snitesh Parvatkar	
12) Phdossani Qazi	
13) Reyan Dabre	
14) Harish Keni	
15) Jeslin Wilson	
16) Stone Pillai	
17) Vighnesh Konne	
18) Boney Mechery	
19) Ritona Gonsalves	
Shravajali V Bodhi	
21) Tasha D'cunha	
23) Sanisha Machado	
24) Lincy Dcosta	
25) [illegible]	
26) Jeanne Lopes	
27) Samarth Shetty	
28) Mitesh Sawant	
29) Devashish Thorne	
30) Shaikh Rayyan-10092	
31) Anas Taibani 10447	
32) Vatsal Shah-10090	
33) Armaan Shaikh-10091	
34) Ameya Khedekar - 10062	
35) Sarah Geo	
36) Kevin Rozario	
37) Teresa Raj	
38) Anushka Patil	
39) Reth Rebello	
40) Aishwarya Sreejith	
41) Harshwardhan G.	
42) Jain Darshan	
43) Anushka Patil	
45) Rathod Aditya	

Teacher Incharge
Ms. Sarika Davare

EVENT REPORT

Crescendo- Shark Tank CRCE

DATE:22/02/2024 - 23/02/2024

"Shark Tank CRCE" by ACM at Fr. Conceicao Rodrigues College of Engineering

Date: 22nd February 2024 - 23rd February 2024

The Association for Computing Machinery (ACM) at Fr. Conceicao Rodrigues College of Engineering, located in Bandra, Mumbai, orchestrated an engaging event titled 'Shark Tank CRCE' on the 22nd and 23rd of February 2024.

The judging panel for the event included the following members:

1. Mr. Rajendra Gangan
   - Founder and CEO of Online Manufacturing

2. Mr. Swapnil Kshirsagar
   - Founder at LifeIncredible | Vindaan
   - Alumni of 2009 Batch - BE Production

3. Mr. Aseem Nevrekar
   - Assistant Professor at Mechanical Department of CRCE

The participating teams were:

Team Name	Team Members	Topic
SafeWay Innovations Pvt Ltd	Ronak B Raut, Bhushan Naik, Tanish Khot	Providing services to automobile companies in developing modern day safety approach currently we

		have our first product which is driver drowsiness detection alert system.
Park BNB	Aashish Mhaske, Rahel Perira, Alfred Thekkumpeedika, Arya Patil	Park BNB
Girls will be Girls	Susannah Varghese, Praneeta Misal, Devona Lewis, Asmita Jaiswal	The StyleMentor
Sealinkers	Shaun Pimenta, Atharva Pawar, Shreya Palande, Manasvi Patil	inShare
Banana	Harsh Salunkhe, Joel Benson, Ankit Maity	EcoSurvive: A Climate Change Awareness Game App
NiceVibes	Aryan Kyatham, Myron Dabreo	NiceVibes - Employee Wellness Platform for B2B Organizations and Institutions
PulseLink	Aaryan Singh, Adnan Khan, Manav Shetty, Shonit Sequeira	PulseRing
SHARKIES	Saqueeb kudroli, Anthony benno, Siddharth Nair, Om Kodte	Privy Ease
ReCharge	Jason Rodrigues, Mahender Choudhary, Shreeshaliya Patil, Mathew Payapilly	ReCharge is your go-to destination for sustainable battery packs crafted from recycled lithium-ion cells.
DreamCatchers	Shaun Mendes, Samuel D'souza, Mahek Gupta, Saumitra Gurav	SleepTight
AlphaQ_2.0	Anurag Thakare, Punit Gavali	OptiHire Analytics
Trenta Solutions	Rahul Bothra, Max Tuscano, Akshita Sharma	Trenta Solutions : From classroom to Industry
The Parkers	Shubham Shanbhag, Ratan Singh, Krishna Mistry, Ashwin Shukla	ParkoNav: Your Companion for Hassle-Free Parking
MGRM	Jeslin Wilson Palamuttam, Boney Mechery Babu, Gautam Harshvardhan, Taibani Anas Aslam	Beyond the Scoop
Team NeOS	Shubhankar Deshmukh, Aaron M Fernandes, Jersild Dsouza	NeOS - An AI VR based interior designing software
Drei Person	Aditya patpally, Omair shaikh, Vedant, Ritesh Mhatre	Sanitary pad vending machine
Simps	Omkar Surve, Emmanuel Gudinho, Soham Khochare	Glass washer with purification system

LightWeight	Harsh Salunkhe, Joel Benson, Ankit Maity	Studify: A smart education system for rural areas

Event Highlights:

This dynamic event, open to students from all branches and academic years, provided a platform inspired by the globally recognized entrepreneurial television show, 'Shark Tank.' Participants enthusiastically presented their inventive products and business ideas to a panel of investors affectionately referred to as 'Sharks.' Noteworthy is the fact that these investors were none other than professors from FR.CRCE, meticulously evaluating pitches and selecting the top 6 teams for the subsequent round.

Educational Session:

Bilal Ahmed - CP (ACM CRCE) inaugurated the event with an insightful session on SHARK TANK, delving into the intricacies of calculating equity. The method, as elucidated, involved dividing the amount sought by the team by the equity offered, multiplied by 100. This not only facilitated an understanding of equity but also emphasized the critical aspect of determining company valuation in the realm of entrepreneurial ventures.

Event Execution:

Spanning two eventful days, the proceedings commenced with idea pitching on the 22nd of February. Teams that advanced from this initial round progressed to the final round on the 23rd of February, where they had the unique opportunity to present their ideas to distinguished figures, including Mr. Swapnil Kshirsagar (Founder at LifeIncredible) and Mr. Rajendra Gangan.

Round 1 - Evaluation Process:

The first day involved teams being allocated preparation time and refreshments. Evaluators utilized an assessment sheet to gauge equity, investment, and company valuation. The

'Sharks,' each with an investment cap of Rs 40 Cr, visited each company, analyzed proposals, and signed investment amounts based on their interest. Notably, all financial transactions were executed virtually.

Round 2 - Pitch to Investors:

The top 6 teams progressed to the second round, where they pitched their ideas to Mr. Swapnil Kshirsagar and Mr. Rajendra Gangan. This session, held on the 23rd of February, was deftly guided by the Vice-Chairperson (VCP) and other council members.

Closing Ceremony:

The final round culminated in the announcement of winners and commendations for all participating teams. A token of appreciation was presented to Mr. Swapnil Kshirsagar, Mr. Rajendra Gangan, and Mr. Aseem Nevrekar for their invaluable presence. ACM CRCE expressed heartfelt gratitude to the professors who contributed their expertise.

In summary, ACM CRCE flawlessly executed yet another impactful event, leaving participants and attendees with a profound appreciation for the enriching experience. Post-event, participants received a softcopy of event pictures on Google Drive, capturing the memorable moments of 'Shark Tank CRCE.'

Some snapshots of the event:

Oxyco

GPS Map Camera
Mumbai, Maharashtra, India
2RVC+R3W, Father Angels Ashram Rd, Mount Mary, Bandra West, Mumbai, Maharashtra 400050, India
Lat 19.044542°
Long 72.820343°
22/02/24 02:45 PM GMT +05:30
Google

SHARK
GPS Map Camera
Mumbai, Maharashtra, India
Seminar Hall, Father Conceicao Rodrigues College of Engineering, Father Agnels Ashram Rd, Bandra West, Mumbai, Maharashtra 400050, India
Lat 19.044544°
Long 72.820324°
22/02/24 02:21 PM GMT +05:30
Google

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INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiative)
IIC-FrCRCE

Divyal Patil
(Vice-Chairperson)

Prof. Sarika Davare
(Faculty in-charge)

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Report of Workshop on

Intellectual Property Rights and IP Management for Startup

Speaker:	Dr. Bhushan Patil (Professor & HOD, Mechanical Engg,Fr.CRCE)
Date and Time:	7/03/2024 9:30 to 11:00 am
Organised by:	Department of Mechanical Engineering and IPR/R&D Cell of Fr. CRCE in association with Institute Innovation Council IIC-Fr.CRCE
Number of Participants:	44 (40 Students + 4 Faculty)
Mode of Session:	Offline (Classroom 406)

Objective of Program

Objective of the program was to encourage and inspire students for innovations and development of Intellectual property by introducing them to the IPR and IP management and leveraging their potential for startups.

Contents of the Program

Dr. Ketaki Joshi (IPR Cell-convenor) welcomed all the participants and explained them the objectives of IPR cell at Fr. CRCE. She briefed the objectives of the session and welcomed the respected speaker Dr. Bhushan Patil (Professor and HOD, Mechanical Engineering).

Dr. Bhushan Patil began his session with introduction to intellectual property and intellectual property rights followed by different types of intellectual properties like Copyright, Patents, Trademarks, designs, geographical indications, semiconductor IC layouts, trade secrets, plant varieties etc. All the types were explained in detail with examples and student activities. Following it the speaker explained the process of filing a patent and the conditions required for it. The speaker also elaborated the objectives of national IPR policy, IP infringement and remedies with illustrative examples. The participants also received the information about the role of IP office authorities and the documentation format and content expected by them.

Furthermore, he explained the initiatives taken by Cell for IPR Promotion and Management (CIPAM), Department of Industrial Policy and Promotion, Government of India to create public awareness about economic, social and cultural benefits of IPRs among all sections of the society and benefits offered to startups by the government to file various forms of IPRs along with the do's and don'ts for IP generation and management for startups.

The session received a very good participation from students and the students interacted proactively with the speaker to resolve their various queries related to IP generation and management, innovation and novelty required for an idea to be worth patentable.

Dr. Ketaki Joshi concluded the workshop with a vote of thanks to the speaker and participants and encouraged the students for filing patents and copyrights based on the outcomes of their projects work.

The program was successful in developing an understanding among the participants about the subject matter.

Outcomes

After attending session, the participants became aware of various types of IPRs and their validity. They also learnt the process of filing patents, requisites for IPR and IP infringement and remedies. They were also made aware of initiatives by the government to encourage innovations in startups and support them for IP generation and management.

Dr Ketaki Joshi

Assistant Professor (Mechanical Engineering) and IPR Cell (Convenor)

Fr. Conceicao Rodrigues College of Engineering, Bandra

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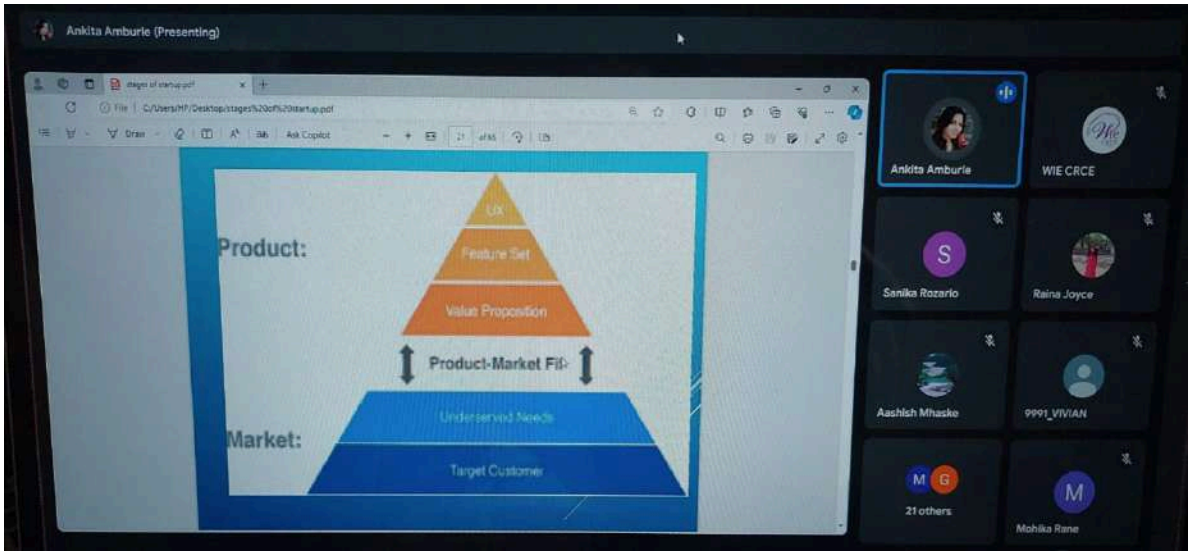
IEEE Women in Engineering WIE CRCE

Online Seminar on Phases Of Startup hosted by WIE-CRCE

Event Name : Phases Of Startup.
Date and Day : 8th March 2024, Friday.
Venue : Online meet.
Time : 3:00pm - 4:00pm
Attendees : SE COMPS

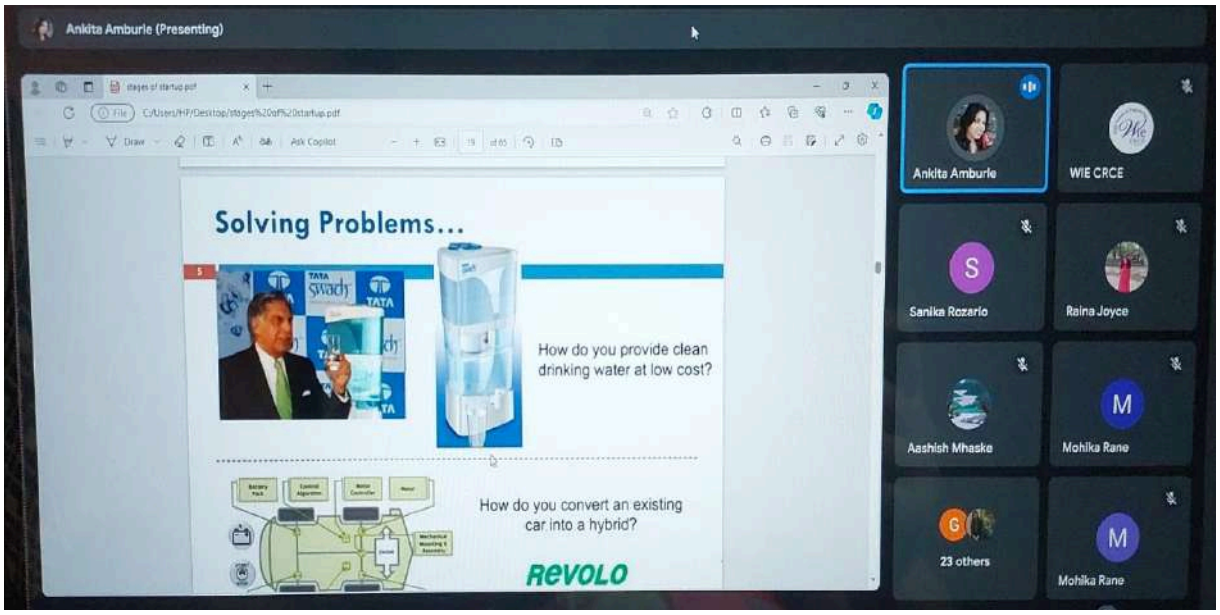
Event Brief:

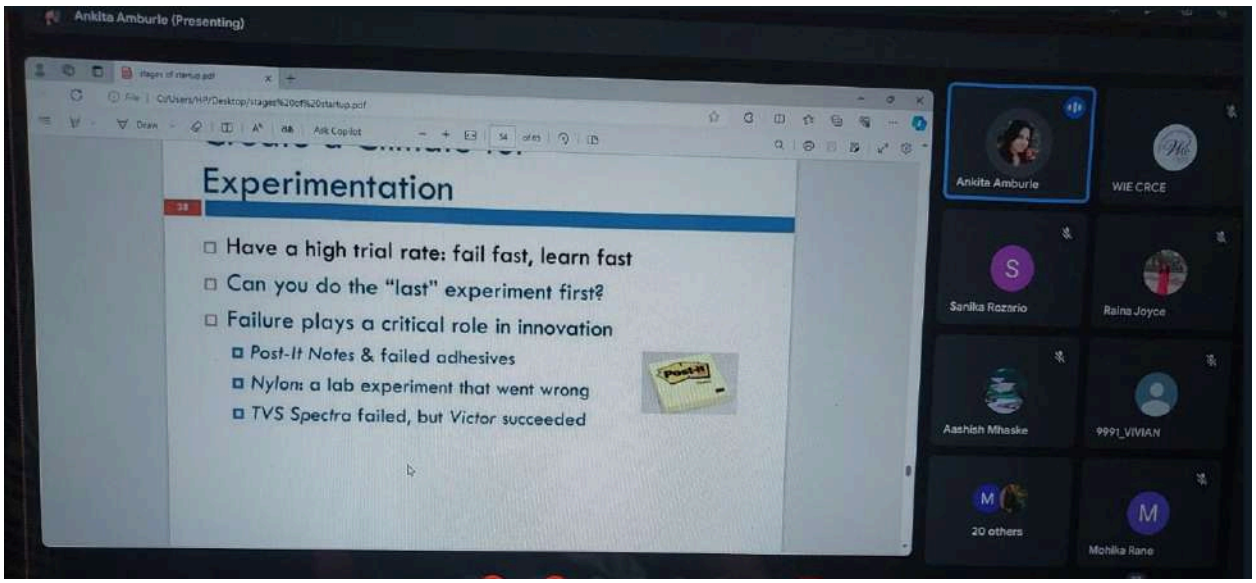
The online session on **'Phases Of Startup'** was conducted by **WIE-CRCE** council in collaboration with **IIC-CRCE**. The session was led by ***Prof. Ankita Amburle*** from the ***Computer Department***, who joined ***Fr. CRCE*** in 2022 as an Assistant Professor. She holds a gold medal in M.Tech from Dr. Babasaheb Ambedkar Technological University in 2018.



During the session, Prof. Ankita Amburle covered various aspects of startups, including examples of Indian startups, statistics regarding startup ecosystems in the country, and the fundamentals of startups such as different stages, types of funding rounds, and startup categorizations (B2C, B2B, P2P).

She also delved into the reasons behind startup failures, essential for anyone involved in the startup ecosystem to learn from mistakes and improve project quality. Additionally, she outlined the stages of setting up startups, namely Ideating, Concepting, Committing, Validating, Scaling, and Establishing.





Furthermore, Prof. Ankita Amburle discussed the Four Lenses of Innovation and different types of innovation to enrich the understanding of startup concepts. She shared examples of failed experiments that eventually led to successful startups like Post-It Notes, Nylon, and Big Bazar.

The session concluded with a vote of thanks from WIE-CRCE to ***Prof. Ankita Amburle*** for her insightful and enlightening elucidation on startup phases and dynamics.

Report of Crescendo 2k24 - PixelEase

Event name :- PixelEase
Organized By :- Mozilla Campus Club CRCE
Date :- 23rd February 2024
Location of the event :- Labs 603 & 604
Number of Participants :- 32

Fr. Conceicao Rodrigues College of Engineering's annual technical fest, Crescendo, took place from February 20th to 23rd, 2024. As part of this event, the Mozilla Campus Club CRCE organized 'PixelEase,' providing students with a platform to showcase their creativity and design skills in a competitive and exciting setting. With 16 teams in participation, totaling 32 participants (2 per team), PixelEase brought together a diverse range of talents eager to make their mark.

The event took place in labs 603 and 604, commencing at noon. In Round 1, teams utilized Canva or Figma to craft captivating UI designs for websites under specific themes provided. Three themes were offered: an e-commerce landing page, food website landing page, and a travel website landing page. Participants were allocated PCs where they unleashed their creativity to produce innovative web interfaces within the designated time frame. Throughout the 30 minutes, strict invigilation by the council ensured adherence to the rules. As the clock wound down on Round 1, participants were granted an additional 10 minutes to submit their work via a Google Form. Entries were then assessed based on criteria such as Innovation, Creativity, Originality, Structure, and Completeness.

After the conclusion of Round 1, the process of shortlisting teams commenced. At 2:20 pm, the results for the shortlisted teams were unveiled. The round officially began at 2:45 pm and concluded precisely at 3:45 pm. For the entire hour, the council closely monitored to ensure strict adherence to the rules.

During this round, shortlisted teams selected a topic randomly from a chit and embarked on the challenge of designing a web page within a swift 60-minute timeframe, akin to a coding sprint. The three provided problem statements included Fashion Portfolio, Architectural Portfolio, and Photography Portfolio. Within the next 10 minutes, completed projects were swiftly hosted, and project details were submitted through a Google form.

The judging panel is equipped with a comprehensive evaluation sheet and assesses projects based on dimensions such as Innovation, Creativity, Originality, Structure, Interactivity, and Completeness.

The judges for the rounds were as follows-

Round 1: Prof. Prajakta Dhamnaskar and Prof. Saurabh Kulkarni

Round 2: Mr. Bibek Nayak and Ms. Swarnali Sinha

The winners were as follows-

1st Prize - BE Computers B

2nd Prize - TE Computers A

Report by -

Lisa Gonsalves & Vallen Dsouza

Prof. Prajakta Dhamnaskar

Faculty Incharge

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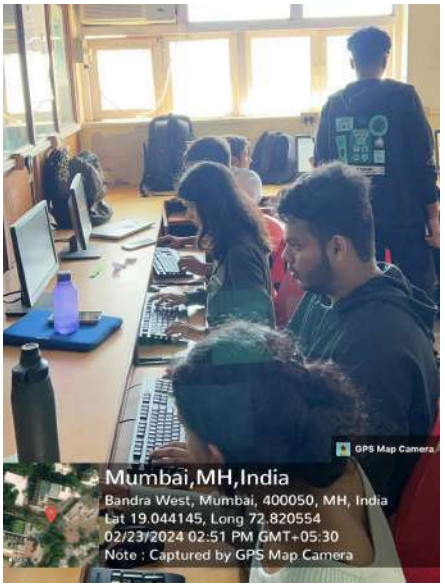
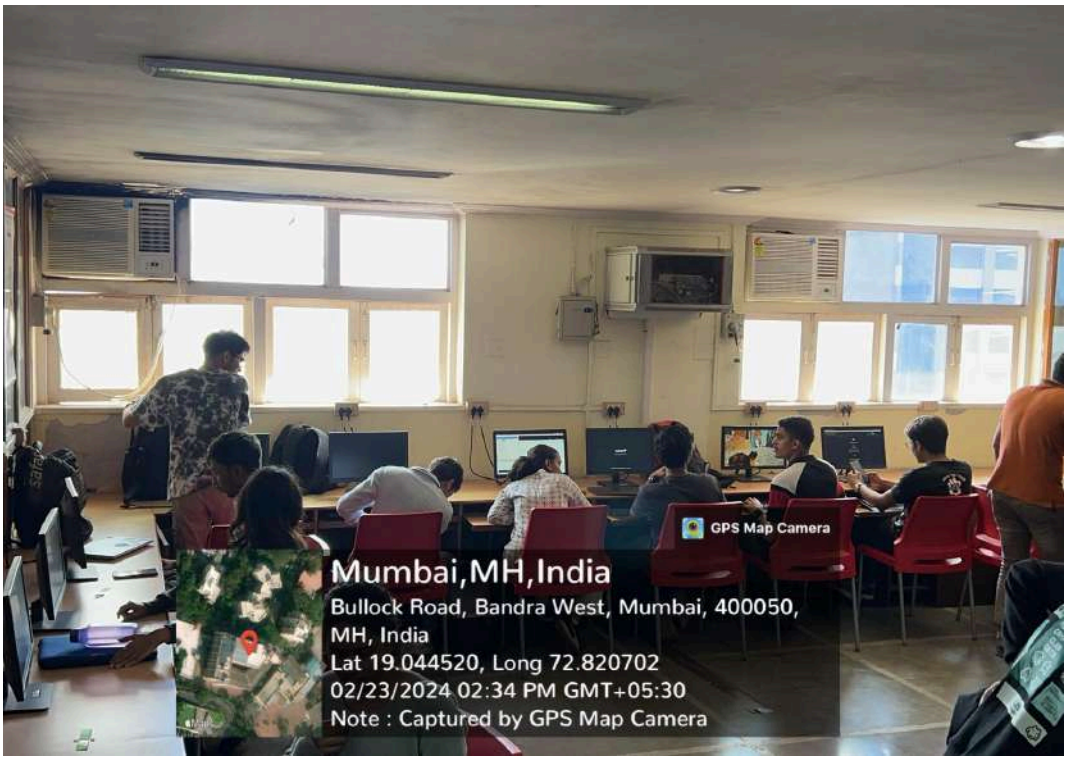
Photos





Ascendo Attendance sheet '24 Round 1.

Class Name	Year	Participant 1 Name	Signature	Participant 2 Name	Signature
AI&DS	BE	Junaid Mirza		Christina Maria Tomy	
Mechanical	BE	Sachidanand Halhalli		Raghav Rawat	
Comps A	BE	Mahek Intwala		Jonathan Duarte	
ECS	BE	Tanuj Kumbhar		Nath Shubham Soni	
Comps B	BE	Riddhi Oza		Preeti Vasaikar	
ECS	FE	Alycia Coutinho		Branch Mathew	
AI&DS	FE	* Parmar Joshua Kalpeshkumar		Siddiqui Suhera Parvez Akhtar	
Comps B	FE	Aditya Jha		Sereena Thomas	
Comps A	FE	Shravya Shetty		Bhoomi Jaiswal	
ECS	SE	Vedant Sakpal		Elita Gonsalves	
Comps B	SE	Satvik Pereira		Sharian Dabre	
AI&DS	SE	Teresa Raj		Anushka Patil	
Comps A	SE	Joyvin Mendonca		Leora Dias	
AI&DS	TE	Jaden Menezes		Akshat Parmar	
Comps A	TE	Zane Falcao		Alroy Pereira	
Comps B	TE	Soham Shailesh Khochare		Leslie D'silva	

* Replaced by Abu Hamza

Crescendo Attendance Sheet '23 Round 2.

Class Name	Year	Participant 1 Name	Signature	Participant 2 Name	Signature
AI&DS	BE	Junaid Mirza		Christina Maria Tomy	
Mechanical	BE	Sachidanand Halhalli	—	Raghav Rawat	—
Comps A	BE	Mahek Intwala		Jonathan Duarte	
ECS	BE	Tanuj Kumbhar	—	Nath Shubham Soni	—
Comps B	BE	Riddhi Oza		Preeti Vasaikar	
ECS	FE	Alycia Coutinho	—	Branch Mathew	—
AI&DS	FE	Parmar Joshua Kalpeshkumar	—	Siddiqui Suhera Parvez Akhtar	—
Comps B	FE	Aditya Jha	—	Sereena Thomas	—
Comps A	FE	Shravya Shetty		Bhoomi Jaiswal	
ECS	SE	Vedant Sakpal		Elita Gonsalves	
Comps B	SE	Satvik Pereira	—	Sharian Dabre	—
AI&DS	SE	Teresa Raj	—	Anushka Patil	—
Comps A	SE	Joyvin Mendonca		Leora Dias	
AI&DS	TE	Jaden Menezes		Akshat Parmar	
Comps A	TE	Zane Falcao		Alroy Pereira	
Comps B	TE	Soham Shailesh Khochare	—	Leslie D'silva	—

Problem statements.

1. BE AI&DS : Fashion Design Portfolio
2. BE Comps A : Architecture
3. BE Comps B : Photography.
4. FE Comps A : Architecture.
5. SE ECS : Architectural.
6. SE Comps A : FD.
7. TE AI&DS : Photography.
8. TE Comps A : Photography.

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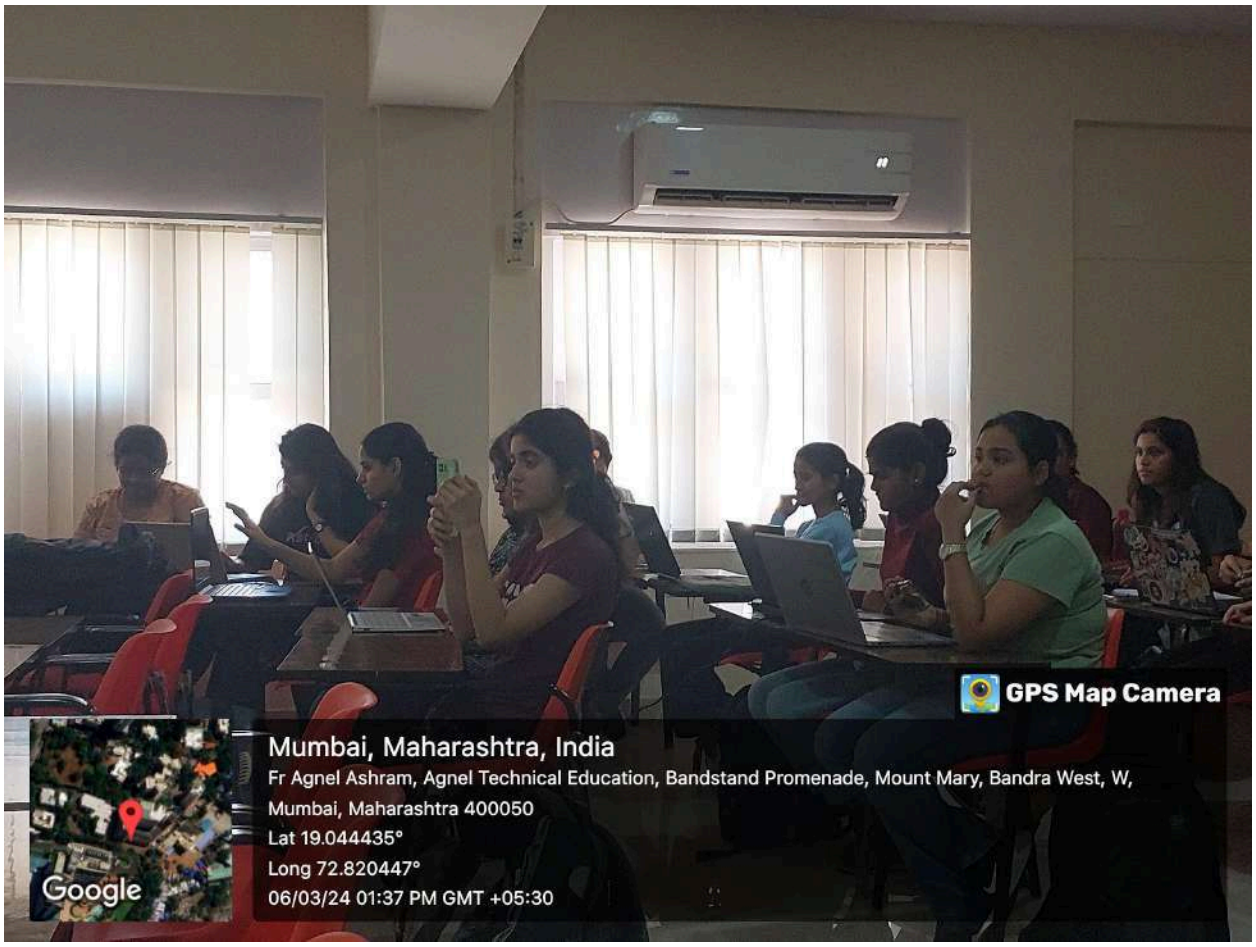
IEEE Women in Engineering WIE CRCE

Women in Engineering Council's Women's Day UI/UX Competition Report.

Event Name: Women's Day UI/UX Competition
Date: 6th March 2024
Venue: Room 108,Fr. Conceicao Rodrigues College of Engineering, Bandra

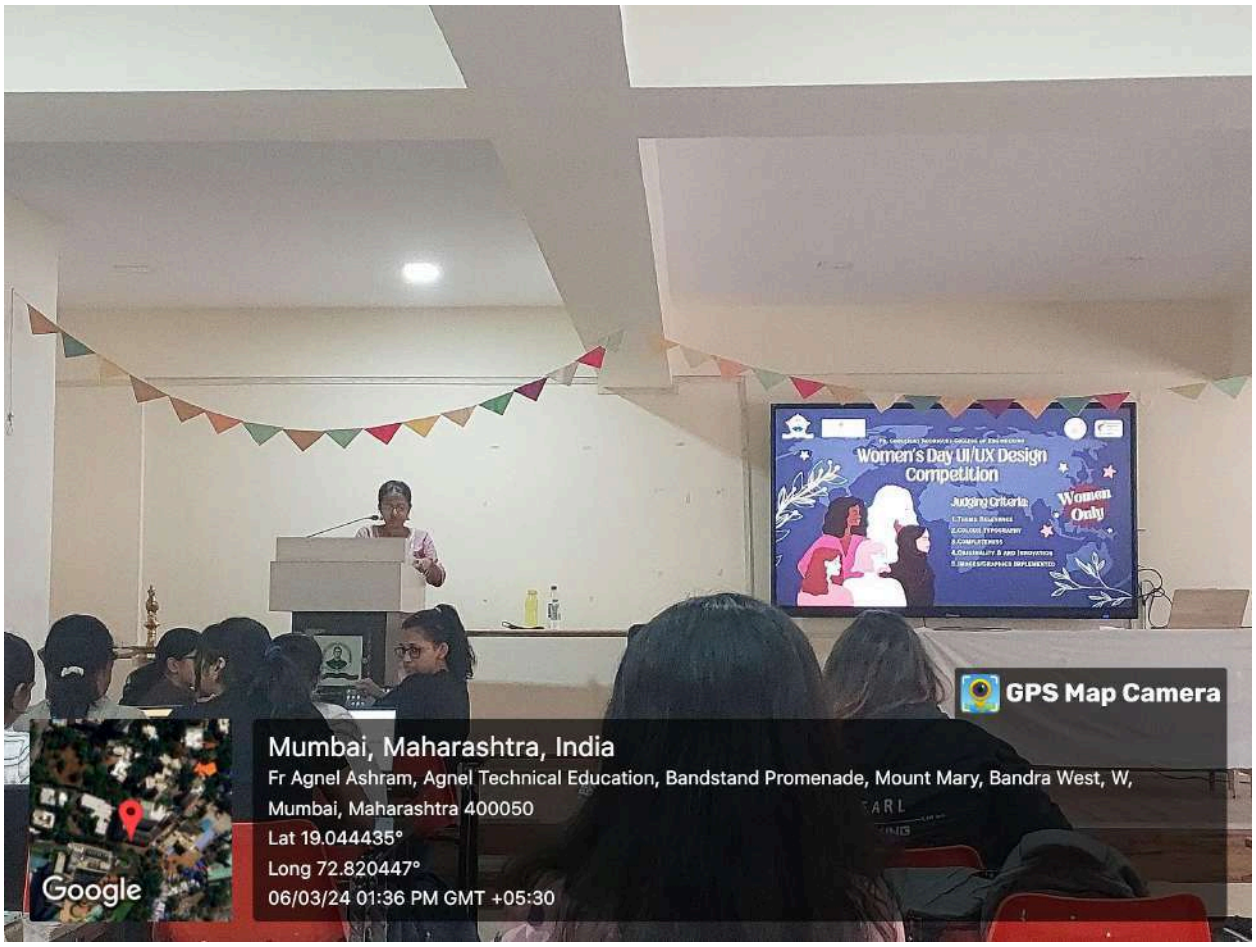
The Women in Engineering Council of Fr Conceicao Rodrigues College of Engineering organized an exclusive UI/UX competition for female students. Twenty-eight teams, each comprising two participants from FE, SE, TE, and BE, enthusiastically participated in the event.



The competition took place in Room No. 108, commencing at 1:30 PM. Participants were presented with a stimulating problem statement: "Create a Figma prototype that spotlights and celebrates the achievements of women in STEM." The challenge was to design user-friendly interfaces showcasing success stories, project portfolios, and notable contributions of women in

STEM fields. Additionally, participants were encouraged to integrate intuitive navigation and social media sharing capabilities to enhance visibility. The statement also emphasized the importance of incorporating badges or recognitions within the prototype to highlight milestones, and promoting visually engaging presentations to encourage user engagement.

The welcome address was delivered by Gayatri Nadar, the Jr. Technical College of the council, setting the tone for the event's significance. Participants worked diligently on their designs until 3:30 PM, after which they submitted their creations through a designated link.



Judging criteria were meticulously outlined, focusing on various aspects:

1. Theme Relevance

2. Color and Typography

3. Completeness

4. Originality and Innovation

5. Implementation of Images/Graphics

After careful deliberation, the first and second places were awarded to Steffi Peter ,Sakshi Kupekar and Lisa Gonsalves,Crystal Fernandes respectively. The announcement of the winners was made on the Instagram page of the WIE CRCE council, garnering attention and recognition for the participants' hard work and creativity. All the participants were presented with goodies. As a token of appreciation, all participants were presented with delightful goodies, adding a sweet touch to their memorable experience.

The event served as a platform not only for showcasing technical skills but also for fostering a sense of camaraderie and empowerment among female students interested in STEM fields. In addition to celebrating the achievements of women in STEM, the competition also provided an

opportunity for participants to network with industry professionals and gain valuable insights into the world of UI/UX design.

Moving forward, the Women in Engineering Council aims to continue organizing such events, promoting diversity and inclusivity in the field of engineering, and inspiring the next generation of female leaders in STEM.

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Crescendo 2024

Name of the event: **Stratagem 2024**

Date of event: 22nd March 2024

Time of event: 9.45 am to 4.00 pm

Location of the event: Samvaad Hall and 108 seminar Hall

Number of Participants: 32 Participants

Details of the Event: The event began at 9.45 am by gathering the participants for the seminar. Firstly we gave an Orientation of gamecon where participants got to know about the Stratagem. After the Orientation, we invited our speaker Abhishek Sokhal for his showcase on Game Development, Metaverse, AR/VR, etc. in these industries. Later on there was lunch break for 30 minutes from 1.00pm to 1.30pm. After the lunch break, we started Games Section till 4.00pm. The games included F1 simulator, Rocket League, FIFA, Valorant, etc. In the end we gave goodies to the participants, the goodies included stickers.

About Stratagem: Stratagem is an techfest event where we see celebration of the evolving landscape of gaming and technology. It is the ultimate convergence of innovation and entertainment in the gaming world. It is a dynamic showcase of cutting-edge gaming technology, where the latest software, and virtual reality innovations take center stage. Engaging with industry experts through immersive workshops on game development, covering design, programming, and storytelling.

Photographs of the event:

	Timestamp	Email Address	First Name	Last Name	Mobile number (Whatsac	College Name	Year	Payment screenshot (200 INR)
2	3/15/2024 17:07:58	divyaki.patil39@gmail.co	Divyal	Patil	8080111783	Fr. CRCE	Third Year	https://drive.google.com/open?id=1Vbhn0AGAvM_0bfcOwrOeqvqw7mEqw
3	3/16/2024 12:41:12	vedantnavare5842@gmai	Vedant	Sawali	9987498784	Fr.crce	Second Year	https://drive.google.com/open?id=1euXVXGHrJ_1UEvBFRJ0EfVMDFxJ0m
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24	3/20/2024 20:37:01	davidsaviodsouza@gmail.	Savio	Dsouza	9869397368	Fr Conceicao Rodrigues	Second Year	https://drive.google.com/open?id=1-A1KPUWhBwoRFwsLQ0bsNMdOKQ3BW
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FR. AGNEL ASHRAM BANDRA (W)
MUMBAI-400 050

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Fr. Agnel Ashram, Bandstand, Bandra (W),
Mumbai – 400 050

INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiative)
IIC-FrCRCE

EVENT REPORT

How to Plan for Startup with Legal & Ethical Steps

DATE:March 26, 2024

Association of Computing Machinery at Fr. Conceicao Rodrigues College of Engineering, Bandra, Mumbai, organized a seminar on planning a startup with ethical steps..

Name of the event: How to Plan for Startup with Legal & Ethical Steps

Guest Speaker: Prof. Swati Ringe

Date of event: March 26th, 2024, 2.30 - 3.30 PM.

Location of the event: Room 507

Introduction:

On March 26th, ACM CRCE successfully conducted an enlightening session on "How to Plan for Startup with Legal & Ethical Steps," led by Professor Swati Ringe for first-year students (FE). The event aimed to equip students with essential knowledge and insights into planning and launching startups while adhering to legal and ethical considerations.

Key Topics Covered:

1. Startup Ecosystem in India: The session began with an overview of India's startup ecosystem, highlighting its robustness with approximately 117,000 startups and its standing as the third-largest economy globally. The discussion also touched upon the support available at national, state, and college levels, including initiatives like NISP (National Innovation and Startup Policy).

2. Understanding Startup Essentials: Professor Swati Ringe elaborated on what constitutes a startup, emphasizing characteristics such as being a single-office entity with fewer than 80 employees and being driven by innovation. This foundational understanding set the stage for exploring legal and ethical aspects further.

3. Legal Compliance and Ethical Considerations: The core of the session focused on the legal and ethical steps necessary for startup planning. Topics included business registration, intellectual property protection, compliance with labor laws and regulations, data privacy considerations, ethical business practices, environmental sustainability, and social responsibility.

4. Three Pillars of Startup Success: The discussion extended to the three pillars critical for startup success: simplification and handholding for regulatory compliance, funding support and incentives, fostering industry-academia partnerships and incubation centers for growth and innovation, creating proof of concepts (PoC), scaling strategies, and leveraging infrastructure for funding opportunities.

5. Networking and Mentoring: The importance of networking and mentorship in the startup journey was emphasized. Participants learned about building professional networks, seeking mentorship from experienced entrepreneurs and industry experts, and leveraging these connections for guidance, support, and business growth.

Interactive Session and Q&A:

The session included interactive elements where participants engaged with Professor Swati Ringe, asking questions and seeking clarifications on various legal, ethical, and strategic aspects of startups. The Q&A session facilitated a deeper understanding of the intricacies involved in planning and launching startups responsibly.

Conclusion:

The event led by Professor Swati Ringe was highly informative and provided valuable insights into planning for startups while ensuring legal compliance, ethical conduct, and strategic growth. It ignited a sense of responsibility among the participants and equipped them with essential knowledge to navigate the entrepreneurial journey with integrity, resilience, and strategic foresight.

We express our gratitude to Professor Swati Ringe for her expertise and guidance during the session, and to all the participants for their active participation. This event reinforces our commitment to fostering ethical entrepreneurship within our college community and sets the stage for future initiatives aimed at nurturing innovative and responsible startups.

Below are a few snapshots of the event:-

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INSTITUTION'S INNOVATION COUNCIL
IIC-FrCRCE
1. What is Startup
2. India - Unicorns
3. Startup India - Three Pillars of Startup
4. Ministry of Education Innovation cell (MIC) -Yukti Innovation Challenge
5. Startup Ecosystem
6. Why Legal Knowledge is needed – Super Tatkal App
7. Legal Aspects – Steps of Registrations, Funding, Benefits
8. Ethical aspects important for sustainability and survival
9. Successful stories

PoC to Scale up support to Innovators and Entrepreneurs
PROOF OF CONCEPT
STARTUP
SCALE
PRE-INCUBATION
Proof Of Concept
Grant and fellowship
INCUBATION
Physical or Virtual
Facilitation and
Mentoring support
ACCELERATOR
Scale-up support
through acceleration
programs with Industry
Collaborations
INFRASTRUCTURE
• Office Space, Access to Labs, Internet, Fax
FUNDING
• Grants, Seed Funds, Angels, VCs, Banks
NETWORKING
• Investors, Mentors, Manufacturers, Industry
MENTORING
VISIBILITY
• Demo day, Events, Media
INCUBATION SUPPORT FOR 3 YEARS
GPS Map Camera
Google
Mumbai, Maharashtra, India
707, Father Conceicao Rodrigues College of Engineering, Father Agnel, Bandra West, Mumbai, Maharashtra 400050, India
Lat 19.044491°
Long 72.820507°
26/03/24 03:08 PM GMT +05:30

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
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INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)
IIC-FrCRCE

Institute Innovation Council –Fr.CRCE (Mumbai)

Student Attendance

Session Topic: How to Plan For Startup With legal & Ethical steps **Date:** 26/03/2024

Sr. No.	Roll Number	Name	Department	Signature
1	10382	SILVIA STEPHEN	AI & DS	
2	10341	JOSHUA P. FERNANDES	AI & DS	
3	10325	ABUHAMZA ABUZAFAR	AI & DS	
4	10330	JOSE SOJAN	AI & DS	
5	10349	FARAZ KAZI	AI & DS	
6	10377	JOHNSON SERRAO	AIDS	
7	10380	PRANAV SHIRKE	AIDS	
8	10361	YASH RAJ NAIK	AIDS	
9	10359	GIDEON MIRE	AI & DS	
10	10348	Vishal Gowda	AI & DS	
11	10337	Royson D'S	AI & DS	
12	10372	Bryan Robert	AI & DS	
13	10351	Yashdeep Kulkarni	AI & DS	
14	10376	JADEN SERRAO	AI & DS	
15	10344	Arnav Ferreira	AI & DS	
16	10340	KEGAN ESTIBEIRO	AI & DS	
17	10375	HARSHIL SAMPAT	AI & DS	
18	10324	Anuka Agnel Barnu	AI & DS	
19	10353	Alroy Lopes	AI & DS	
20	10389	Saneesh Francis Kaithathara	ECS	
21	10371	Aanika Raut	AI & DS	
22	10352	Melina Lemos	AI & DS	

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23	10329	Karen Carvalho	AI & DS	
24	10356	Kartiki Mahadik	AI & DS	
25	10364	VINAYAK PONDIT	AI & DS	
26	10387	NEELAM YADAV	AI & DS	
27	10360	Soujuna G. Nagulo	AI & DS	
28	9721	Sahil Khan	AI & DS-TE	
29	9692	Praful Bansiya	AIDS	
30	9729	Rishabh Pathak	AIDS	
31	9869	Reuben Soares	ECS	
32	9731	Divyal Patil	AI-DS	
33	10374	Shubdhay Salunkhe	AI-DS	
34	10328	Binil John	AI-DS	
35	10366	Dylan Perrira	AI-DS	
36	10367	Rhine Perrira	AI-DS	
37	10386	Joshua Vaz	AI-DS	
38	10338	Andre Dsouza	AI-DS	
39	10333	Deepkumar Das	AI-DS	
40	10378	Labdhi Shah	AI-DS	
41	9499	Ruchita Rao	ECS	
42	9998	Varshil Shah	CS-B	

Teacher Incharge

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INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)
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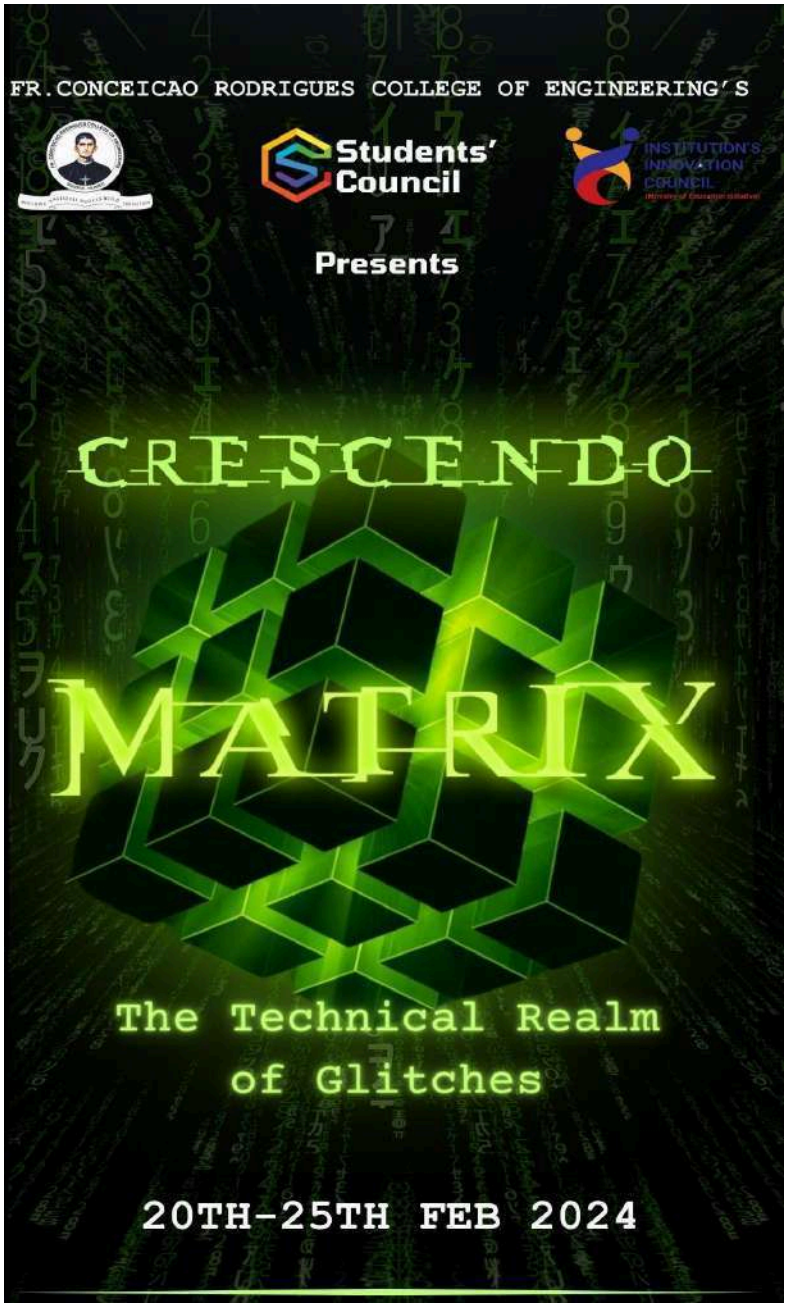
Crescendo

DATE: 20/02/2024



Poster

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Crescendo Brochure/ Flipbook

Schedule

Sr.No.	Date	Contents
1	06-02-2024	Crescendo Went Public
2.	20-02-2024	Crescendo Starts
3.	23-02-2024	Crescendo Ends

The Crescendo, expertly coordinated by the Students' Council, showcased the passion and talent within our academic community. This exciting event provided a platform for students to showcase their skills and creativity.

Name of the event: CRESCENDO

Date of event: *February 20th to February 23th 2024*

Location of the event: *CRCE College*.

Sponsoring organisation: *Devfolio, Solana, Replit, ETHIndia. Polygon, Filecoin,Colgate*

Number of students attended: **357**

Number of Faculty members attended: **11**

The Crescendo event series witnessed a confluence of innovation, collaboration, and technical prowess, spanning across various domains including electronics, mechanical engineering, and robotics. Led by the esteemed presence of Mr. Harsh Vishwakarma and Mr. Joshua D'Mello, these events were inaugurated with grandeur, setting the stage for a journey of exploration and innovation.

The "Matrix" theme is related to various technologies as it symbolizes a multidimensional, interconnected system, aligning with the diverse fields of technology, including computer science, artificial intelligence, mechanics, robotics, and mathematical applications, making it a suitable and versatile theme for a college technical fest.

Crescendo Hackathon:

The Crescendo Hackathon aimed to harness the collective ingenuity and expertise of participating teams to address prevalent challenges. Divided into three distinct problem statements, this event provided a multifaceted platform for exploration and innovation. Key objectives included fostering collaborative problem-solving, promoting innovative approaches, and bridging academia with real-world problem-solving.

Outcome:

- Participating teams honed their presentation skills through interactions with expert panels.
- Valuable domain-specific feedback from experts enhanced students' understanding and refined their solutions.
- Insight into the entire process of idea incubation, from conception to implementation, was gained by students.
- Awareness about available financial support schemes for idea realization was raised among participants.
- Emphasis on teamwork underscored the importance of shared responsibility and synergy among team members.
- The Hackathon sparked creativity, promoting lateral thinking and unconventional solutions to societal problems within the student community.

Crescendo Elexathon:

The core objective of Crescendo Elexathon was to address prevalent electronic challenges by fostering collaborative problem-solving and encouraging innovative approaches. Similar to the Hackathon, this event was divided into three distinct electronic problem statements, providing students with a platform for exploration and innovation.

Outcome:

- Similar outcomes to the Crescendo Hackathon, including enhanced presentation skills, refined solutions, and raised financial awareness.
- Emphasis on teamwork and creativity was evident, driving the pursuit of innovative solutions to electronic challenges.
-

Crescendo Mechathon:

Mechathon, the flagship event focusing on mechanical challenges, mirrored the objectives and outcomes of the previous events. Divided into two distinct problem statements, Mechathon provided students with an opportunity to delve deep into mechanical complexities and propose innovative solutions.

Outcome:

- Comparable outcomes to the Hackathon and Elexathon, highlighting the refinement of solutions, financial awareness, and emphasis on teamwork and creativity.

RoboSumo Tournament:

The RoboSumo Tournament showcased the culmination of technical skill and strategic prowess in the field of robotics. With objectives centered around fostering creativity, teamwork, and technical skill enhancement, RoboSumo provided participants with a platform to push the boundaries of robotic design and functionality.

Outcome:

- Enhanced presentation skills and refined solutions were observed, along with a comprehensive understanding of the project development lifecycle.
- Financial literacy and teamwork were emphasized, alongside the promotion of creativity and innovative thinking.

Crescendo College Council Events

The Crescendo College Council organized a diverse array of events, each designed to foster innovation, skill development, and collaboration within the student community. From AI Deployer to Formula Unicorn, these events provided platforms for students to showcase their talents, push their boundaries, and ignite their passion for technology and entrepreneurship.

AI Deployer:

Participants in the AI Deployer competition utilized AI tools like ChatGPT and BARD to craft visually captivating, user-friendly websites within a sprint timeframe. This event showcased innovation and skill in the realm of frontend development, leveraging AI-driven content generation and design.

Outcomes:

- Enhanced frontend development skills through practical application of AI tools.
- Showcase of innovative website designs leveraging AI-driven content.
- Opportunity for participants to demonstrate creativity and skill in a competitive environment.

PixelEase:

The PixelEase Challenge challenged participants to craft captivating web designs within a tight timeframe, pushing the boundaries of web design creativity. Creations were shared on GitHub for expert evaluation, fostering a culture of continuous improvement and exploration in web design.

Outcomes:

- Exploration and experimentation with creative web design concepts.
- Exposure to expert evaluation and feedback for continuous improvement.
- Promotion of creativity and innovation in web design within a competitive setting.

Code Runners:

Participants in Code Runners worked towards solving problem statements with minimal characters and execution runtime. This event emphasized the importance of optimizing code efficiency and choosing the most optimal approach to problem-solving.

Outcomes:

- Development of skills in optimizing code for efficiency.
- Practice in selecting optimal problem-solving approaches.
- Enhancement of critical thinking and problem-solving abilities.

Virtual Escape Room:

In the Virtual Escape Room, participants engaged in a challenging experience with multiple levels of puzzles. Success in solving each puzzle led to the next level, fostering teamwork, critical thinking, and quick decision-making under pressure.

Outcomes:

- Teamwork and collaboration skills development.
- Enhancement of problem-solving abilities and lateral thinking.
- Experience in navigating challenges and adapting to changing environments.

Cartographer's Quest:

Participants in Cartographer's Quest were tasked with creating 3D maps using Blender software. This event provided a platform for students to showcase their creativity, technical skills, and proficiency in 3D modeling.

Outcomes:

- Skill development in 3D modeling and software proficiency.
- Creativity expression through map design and visualization.
- Opportunity to showcase technical skills and creativity in a competitive environment.

Dare to Race:

"Dare to Race" challenged teams to construct cars within a limited timeframe using provided components, followed by an exhilarating racing competition. This event tested participants' engineering prowess, creativity, and teamwork in a high-energy race to victory.

Outcomes:

- Teamwork and collaboration skills honed during the car construction phase.
- Application of engineering principles in designing and constructing race cars.
- Experience in competitive racing and showcasing engineering skills in a dynamic environment.

Shark Tank:

Shark Tank provided participants with an opportunity to pitch their innovative products to judges after seeking public confidence via market surveys. This entrepreneurial journey emphasized product development, market validation, and pitching skills.

Outcomes:

- Development of entrepreneurial skills, including product pitching and market validation.
- Experience in navigating the entrepreneurial process from ideation to pitching.
- Opportunity to receive feedback and validation from industry experts and judges.

Drone Wiz Knowledge Jam:

In the Drone Wiz Knowledge Jam, teams faced Easy-Level MCQs testing their knowledge within a time limit. This event emphasized quick thinking, precision, and teamwork in answering questions and utilizing hints effectively.

Outcomes:

- Enhancement of knowledge and quick thinking skills through MCQ challenges.
- Teamwork and collaboration skills development in a competitive knowledge-based environment.
- Experience in utilizing hints and time management for optimal performance.

Bid Build Contest:

Teams in the Bid Build Contest competed in a trivia showdown to earn points for vital materials in an auction. This event promoted creativity and innovation in crafting builds while emphasizing strategic decision-making and resource management.

Outcomes:

- Development of strategic thinking and resource management skills.
- Promotion of creativity and innovation in crafting builds under constraints.
- Experience in competitive bidding and strategic decision-making.

Peer Pong:

Peer Pong provided a fun and interactive setting for players to answer tech questions or perform activities while playing ping pong. This event combined skill and knowledge in a relaxed environment, fostering camaraderie and learning.

Outcomes:

- Integration of skill and knowledge in a fun and interactive game setting.
- Enhancement of tech knowledge and understanding through peer interaction.
- Promotion of teamwork and camaraderie in a relaxed and enjoyable atmosphere.

Tech Triathlon:

Tech Triathlon featured a series of challenges including car football, gear challenges, buzz wire tests, and bridge-building showdowns. Participants showcased their skills, creativity, and ability to conquer diverse challenges in a non-stop adventure.

Outcomes:

- Skill development across various technical challenges and activities.

- Promotion of creativity and innovation in problem-solving.
- Experience in teamwork and collaboration in conquering diverse challenges.

Formula Unicorn:

In Formula Unicorn, teams embarked on a quest to build innovative products by leveraging assets from prestigious companies. This event emphasized creativity, strategic decision-making, and presentation skills in a competitive battle of ingenuity.

Outcomes:

- Development of strategic thinking and creativity in product development.
- Experience in leveraging company assets and resources for innovative solutions.
- Enhancement of presentation skills and ability to pitch innovative ideas effectively.

Images of CRESCENDO:

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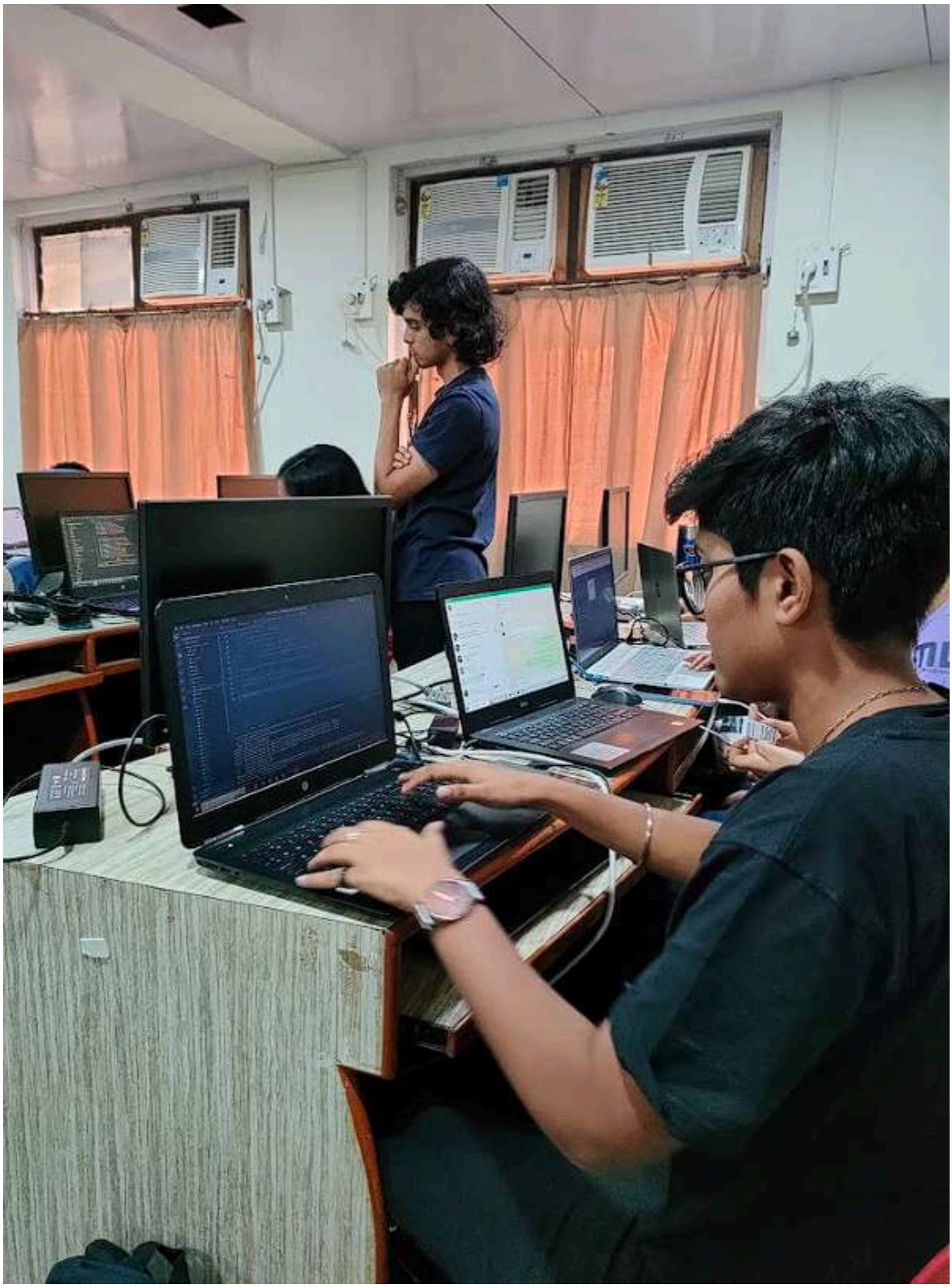

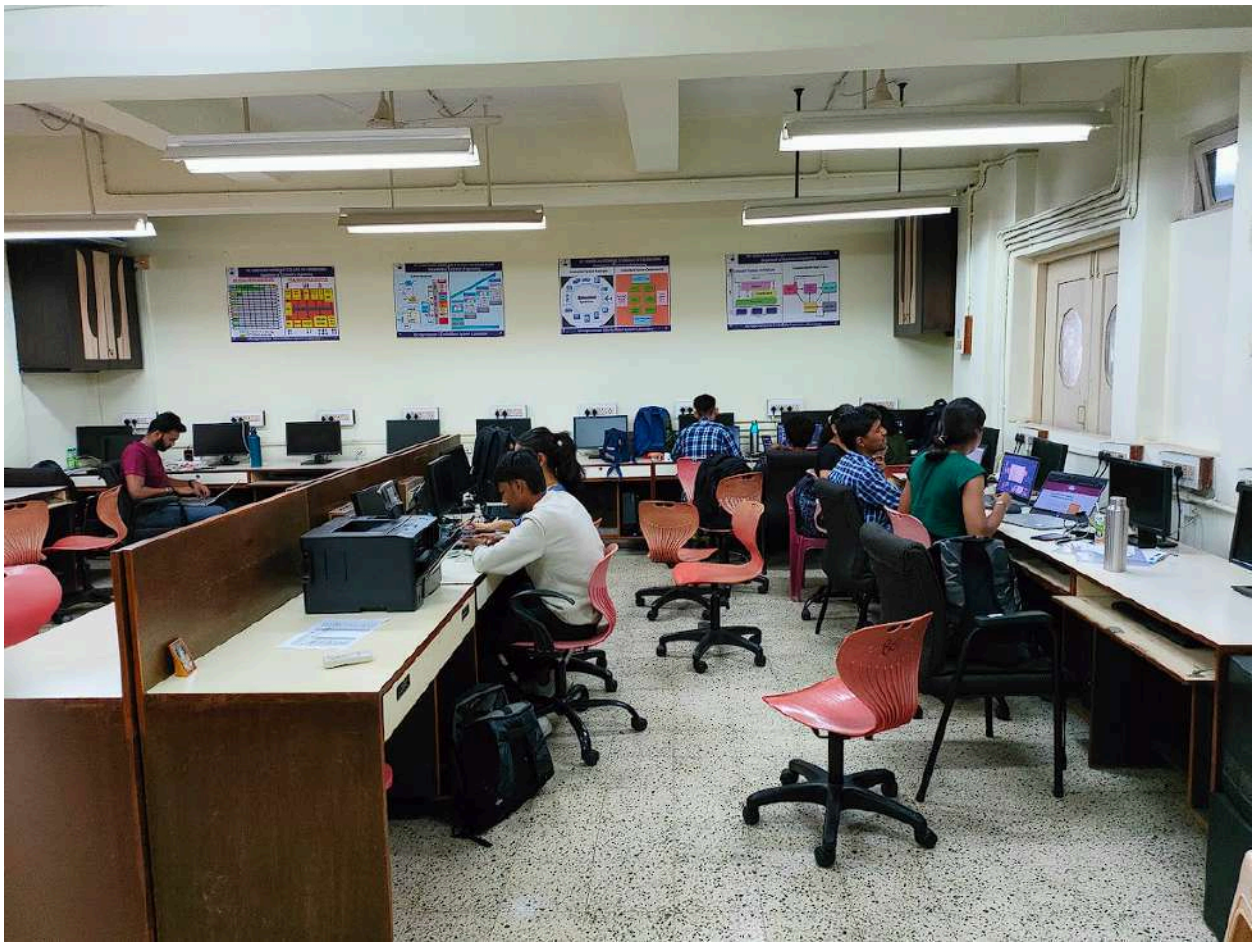

Conclusion:

The Crescendo event series successfully achieved its objectives of fostering collaboration, promoting innovation, and bridging academia with real-world problem-solving. Through a diverse array of events spanning electronics, mechanical engineering, and robotics, participants gained valuable insights, honed their skills, and ignited a passion for innovation and problem-solving within the academic community. As the events drew to a close, they left an indelible mark on all attendees, inspiring continued exploration and innovation in their respective fields.

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INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)
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Attendance for Crescendo.

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CRESH004	Lakshitaa Chellaramani	lakshitaa2112@gmail.com	HACK-A-THON	Present
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CRESH041	Ayush Sharma	crce.9294.cs@gmail.com	HACK-A-THON	Present
CRESH042	Neave Paul	crce.9264.cs@gmail.com	HACK-A-THON	Absent

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CRESH046	Lemmie Carvalho	lemmiecarvalho@gmail.com	HACK-A-THON	Present
CRESH047	Alan George	alangeorge3603@gmail.com	HACK-A-THON	Present
CRESH048	Bhargavi Vaidya	bhargavivaidya12@gmail.com	HACK-A-THON	Present
CRESH049	Srijan Upadhyay	srijan505c@gmail.com	HACK-A-THON	Present
CRESH050	Aryan Kapoor	kapooraryan2606@gmail.com	HACK-A-THON	Present
CRESH051	Amey Nitin Bagwe	crce.9180.cs@gmail.com	HACK-A-THON	Present
CRESH052	Wesley Jude Lewis	crce.9203.cs@gmail.com	HACK-A-THON	Present
CRESH053	Vailantan Fernandes	crce.9197.cs@gmail.com	HACK-A-THON	Present
CRESH054	Brezhnev Rodrigues	crce.9227.cs@gmail.com	HACK-A-THON	Present
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Crescendo Teacher Incharge

Dr. Bhushan Patil
(HOD, Mechanical Department)

Crescendo Hack-A-Thon

DATE: 20/02/2024

Schedule

Sr.No.	Date	Contents
1	06-02-2024	Hack-A-Thon Went Public
2.	20-02-2024	Hack-A-Thon Starts
3.	21-02-2024	Hack-A-Thon Ends

The Crescendo Hackathon, expertly coordinated by the Students' Council, showcased the passion and talent within our academic community. This exciting event provided a platform for students to showcase their skills and creativity.

Name of the event: CRESCENDO HACKATHON

Date of event: *February 20th to February 21 2024*

Location of the event: 7th Floor *CRCE College*.

Sponsoring organisation: *Devfolio, Solana, Replit, ETHIndia. Polygon, Filecoin*

Number of students attended: **154**

Number of Faculty members attended: **11**

The commencement of the event was heralded by the esteemed presence of Mr. Harsh Vishwakarma and Mr. Joshua D'Mello, who, as anchors, formally inaugurated the proceedings. Following this, Mr. Vignesh Kombathula took the stage, elucidating the array of council events and, notably, introducing the flagship event, the Hackathon.

At the core of the Hackathon lay a pivotal objective: to harness the collective ingenuity and expertise of participating teams to address prevalent challenges. With a keen focus on practical solutions, this event aimed to bridge the gap between identified issues and actionable remedies. The overarching objectives of the Hackathon encompassed promoting

collaborative problem-solving, encouraging innovative approaches, and fostering a spirit of teamwork among participants.

Divided into three distinct problem statements, each with its unique complexities, the Hackathon offered a multifaceted platform for exploration and innovation. With fifteen teams dedicated to unraveling the intricacies of each problem statement, the event fostered a spirit of individual and collective endeavor. Through this structured approach, participants were empowered to delve deep into the heart of the challenges at hand, offering insights and solutions that reflected their diverse skill sets and perspectives.

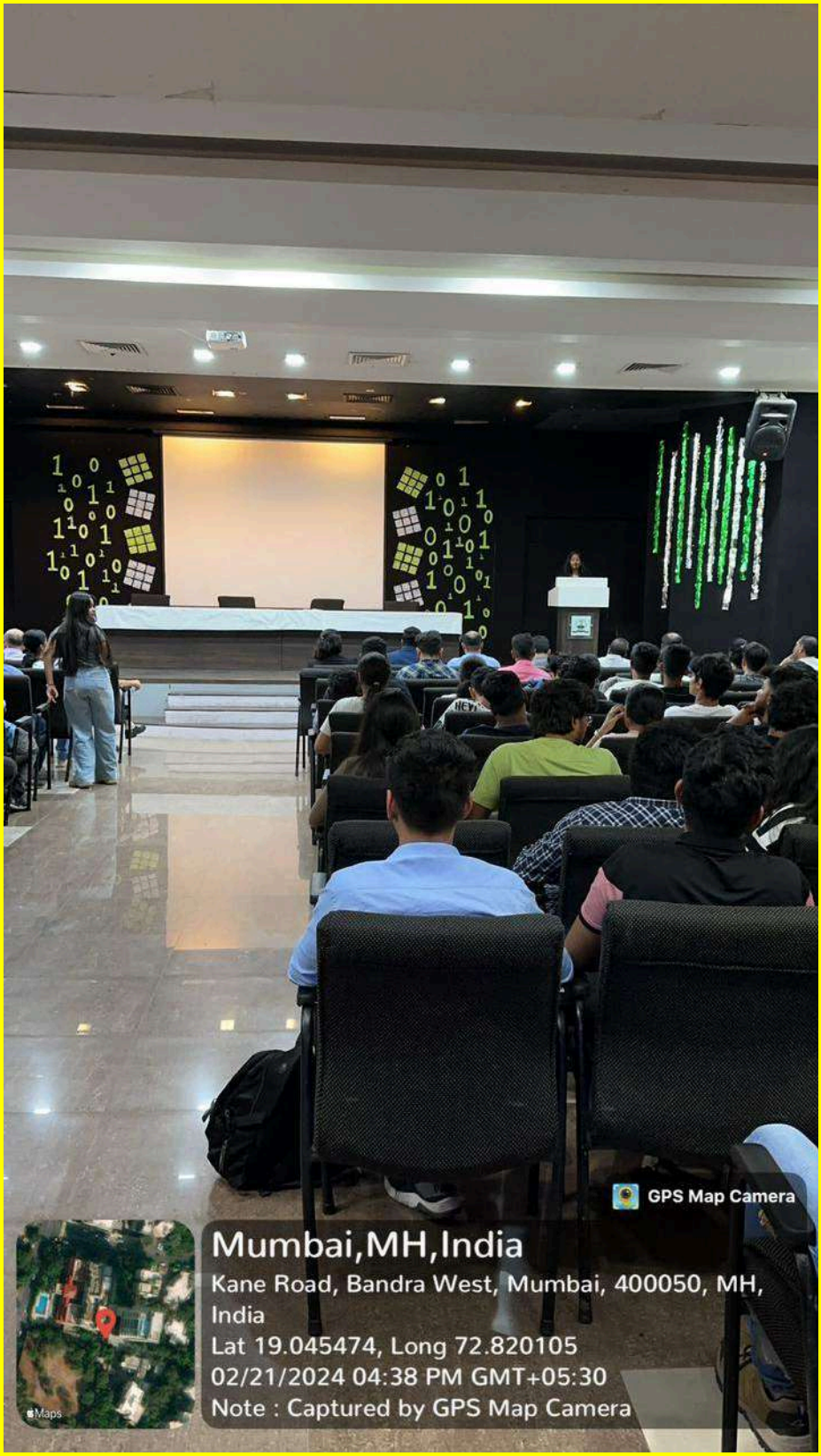
Following the intense hacking sessions, the event concluded with a vote of thanks given by Miss Sanika Thakur, expressing gratitude to all participants, organizers, and sponsors for their contributions. This was followed by the concluding speech delivered by Miss Riya Jaison, reflecting on the journey of the event and highlighting the transformative impact of collective effort and collaboration in driving meaningful change. As the event drew to a close, it left an indelible mark on all attendees, igniting a passion for innovation and problem-solving that resonated throughout the academic community.

Objectives:-

- Foster collaborative problem-solving among diverse teams.
- Encourage interdisciplinary approaches to address challenges.
- Promote innovation and creativity in solutions.
- Bridge academia with real-world problem-solving.
- Cultivate teamwork and leadership skills.
- Drive social impact through problem-solving.
- Foster inclusivity and diversity in participation.

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai – 400 050

INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiative)
IIC-FrCRCE



Outcome of the Crescendo Hackathon

Objective of the Event: Crescendo Hackathon

1. To foster collaborative problem-solving among student teams.

2. To encourage innovative approaches to address real-world challenges.

Outcome of the Event: Crescendo Hackathon

1. Participating students honed their presentation skills through interactions with expert panels.

2. Valuable domain-specific feedback from experts enhanced students' understanding and refined their solutions.

3. Students gained insight into the entire process of idea incubation, from conception to implementation.

4. Awareness about available financial support schemes for idea realization was raised among participants.

5. Emphasis on teamwork underscored the importance of shared responsibility and synergy among team members.

6. The Hackathon sparked a wave of creativity, promoting lateral thinking and unconventional solutions to societal problems within the student community.

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Attendance for Crescendo Hackathon.

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CRESH087	Crystal Fernandes	crystalelainefernandes03@gmail.com	HACK-A-THON	Present
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CRESH111	Jonathan Dabre	jonathandabre01@gmail.com	HACK-A-THON	Present
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CRESH129	Moheet Shendarkar	moheetshendarkar@gmail.com	HACK-A-THON	Present
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CRESH156	Mitesh Singh	miteshsingh957@gmail.com	HACK-A-THON	Present
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CRESH171	Pradhyum Arora	official.pradhyum@gmail.com	HACK-A-THON	Absent
CRESH172	Stephen Vaz	stephenvaz2003@gmail.com	HACK-A-THON	Absent
CRESH173	Om Avhad	omavhad22@gmail.com	HACK-A-THON	Absent
CRESH174	Jash Doshi	jashdoshi99@gmail.com	HACK-A-THON	Absent

Crescendo Teacher Incharge

Dr. Bhushan Patil
(HOD, Mechanical Department)

Crescendo Mech-A-Thon

DATE: 20/02/2024

Schedule

Sr.No.	Date	Contents
1	06-02-2024	Mech-A-Thon Went Public
2.	20-02-2024	Mech-A-Thon Starts
3.	21-02-2024	Mech-A-Thon Ends

The Crescendo MECHATHON, expertly coordinated by the Students' Council, showcased the passion and talent within our academic community. This exciting event provided a platform for students to showcase their skills and creativity.

Name of the event: CRESCENDO MECHATHON

Date of event: *February 20th to February 21 2024*

Location of the event: 3rd Floor *CRCE College*.

Sponsoring organisation: *Students' Council*

Number of students attended: **62**

Number of Faculty members attended: **11**

The commencement of the event was heralded by the esteemed presence of Mr. Harsh Vishwakarma and Mr. Joshua D'Mello, who, as anchors, formally inaugurated the proceedings. Following this, Mr. Vignesh Kombathula took the stage, elucidating the array of council events and, notably, introducing the flagship event, Mechathon.

At the core of Mechathon lay a pivotal objective: to harness the collective ingenuity and expertise of participating teams to address prevalent mechanical challenges. With a keen focus on practical solutions, this event aimed to bridge the gap between identified issues and actionable remedies. The overarching objectives of Mechathon encompassed

promoting collaborative problem-solving, encouraging innovative approaches, and fostering a spirit of teamwork among participants.

Divided into two distinct problem statements, each with its unique mechanical complexities, Mechathon offered a multifaceted platform for exploration and innovation. With 10 teams dedicated to unraveling the intricacies of each problem statement, the event fostered a spirit of individual and collective endeavor. Through this structured approach, participants were empowered to delve deep into the heart of the mechanical challenges at hand, offering insights and solutions that reflected their diverse skill sets and perspectives.

Following the intense hacking sessions, the event concluded with a vote of thanks given by Miss Sanika Thakur, expressing gratitude to all participants, organizers, and sponsors for their contributions. This was followed by the concluding speech delivered by Miss Riya Jaison, reflecting on the journey of the event and highlighting the transformative impact of collective effort and collaboration in driving meaningful mechanical innovations. As Mechathon drew to a close, it left an indelible mark on all attendees, igniting a passion for mechanical innovation and problem-solving within the academic community.

Objectives:-

- Foster collaborative problem-solving among diverse teams.
- Encourage interdisciplinary approaches to address challenges.
- Promote innovation and creativity in solutions.
- Bridge academia with real-world problem-solving.
- Cultivate teamwork and leadership skills.
- Drive social impact through problem-solving.
- Foster inclusivity and diversity in participation.

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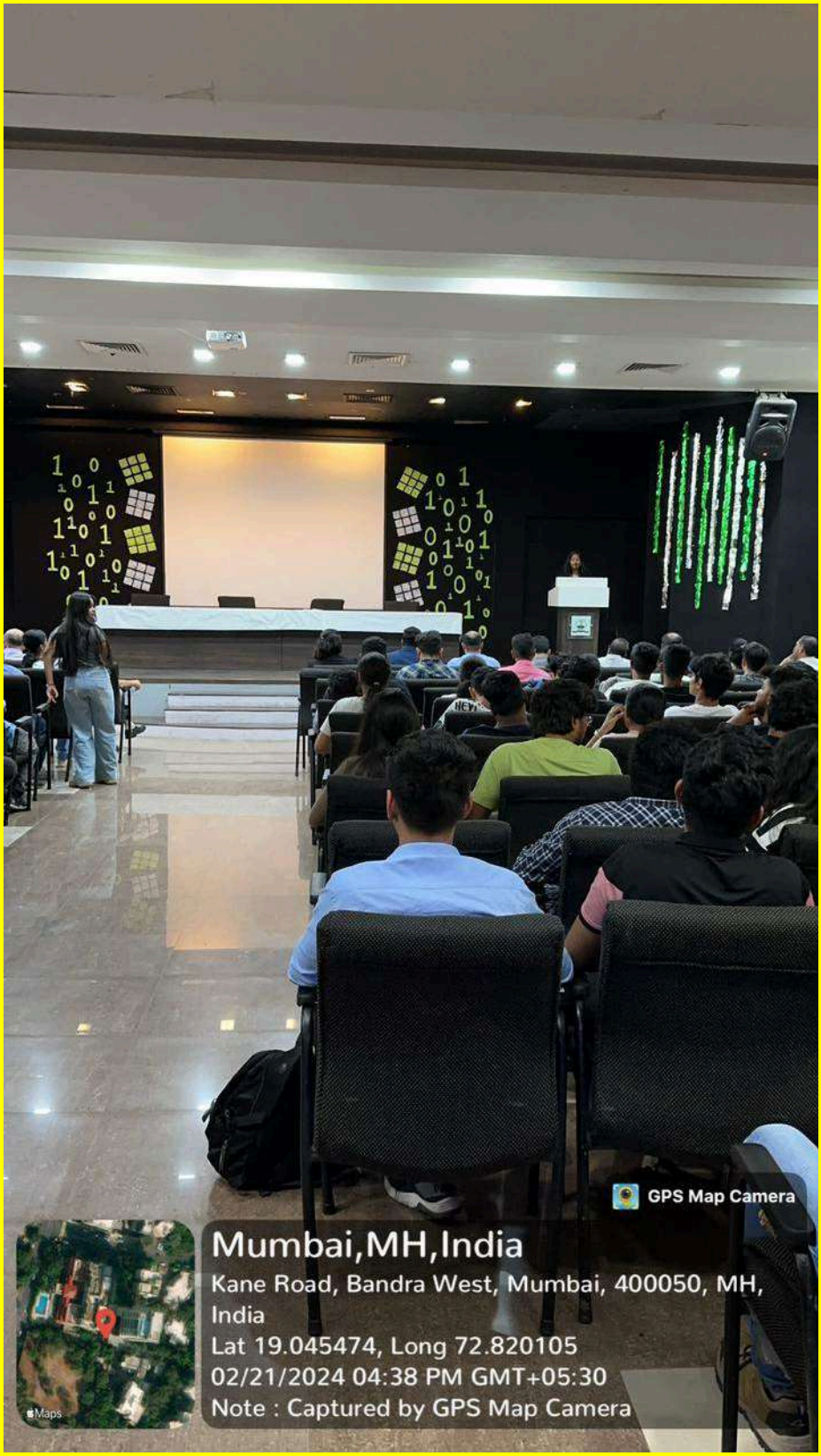
Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai – 400 050

INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiative)
IIC-FrCRCE



Outcome of the Crescendo Mechathon

Objective of the Event: Crescendo Mechathon

1. To foster collaborative problem-solving among student teams.

2. To encourage innovative approaches to address real-world challenges.

Outcome of the Event: Crescendo Mechathon

1. Participating students honed their presentation skills through interactions with expert panels.

2. Valuable domain-specific feedback from experts enhanced students' understanding and refined their solutions.

3. Students gained insight into the entire process of idea incubation, from conception to implementation.

4. Awareness about available financial support schemes for idea realization was raised among participants.

5. Emphasis on teamwork underscored the importance of shared responsibility and synergy among team members.

6. The Mechathon sparked a wave of creativity, promoting lateral thinking and unconventional solutions to societal problems within the student community.

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INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)
IIC-FrCRCE

Attendance for Crescendo Mechathon:

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CRESM004	Sanat Pednekar	crce.9335.mech@gmail.com	MECH-A-THON	Present
CRESM005	Sachidanand Halhalli	crce.9309.mech@gmail.com	MECH-A-THON	Present
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CRESM007	Janhavi Sachin Shinde	janhavisachinshinde@gmail.com	MECH-A-THON	Present
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CRESM050	Tanuj Kumbhar	crce.9137.ecs@gmail.com	MECH-A-THON	Present
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CRESM067	Farhan Khan	crce.9134.ecs@gmail.com	MECH-A-THON	Present
CRESM068	Kaushik Nakashe	crce.9142.ecs@gmail.com	MECH-A-THON	Present

Crescendo Teacher Incharge1

Dr. Bhushan Patil
(HOD, Mechanical Department)

Crescendo Elex-A-Thon

DATE: 20/02/2024

Schedule

Sr.No.	Date	Contents
1	06-02-2024	Elex-A-Thon Went Public
2.	20-02-2024	Elex-A-Thon Starts
3.	21-02-2024	Elex-A-Thon Ends

The Crescendo ELEXATHON, expertly coordinated by the Students' Council, showcased the passion and talent within our academic community. This exciting event provided a platform for students to showcase their skills and creativity.

Name of the event: CRESCENDO ELEXATHON

Date of event: *February 20th to February 21 2024*

Location of the event: 1st Floor *CRCE College*.

Sponsoring organisation: *Student's Council*

Number of students attended: **58**

Number of Faculty members attended: **11**

The inauguration of Elexathon saw the esteemed presence of Mr. Harsh Vishwakarma and Mr. Joshua D'Mello, who, as anchors, formally inaugurated the proceedings. Following this, Mr. Vignesh Kombathula took the stage, providing insights into the array of council events and, notably, introducing the flagship event, Elexathon.

At the core of Elexathon lay a pivotal objective: to harness the collective ingenuity and expertise of participating teams to address prevalent electronic challenges. With a keen focus on practical solutions, this event aimed to bridge the gap between identified issues and actionable remedies. The overarching objectives of Elexathon encompassed promoting

collaborative problem-solving, encouraging innovative approaches, and fostering a spirit of teamwork among participants.

Divided into three distinct electronic problem statements, each with its unique complexities, Elexathon offered a multifaceted platform for exploration and innovation. With fifteen teams dedicated to unraveling the intricacies of each problem statement, the event fostered a spirit of individual and collective endeavor. Through this structured approach, participants were empowered to delve deep into the heart of the electronic challenges at hand, offering insights and solutions that reflected their diverse skill sets and perspectives.

Following the intense sessions, the event concluded with a vote of thanks given by Miss Sanika Thakur, expressing gratitude to all participants, organizers, and sponsors for their contributions. This was followed by the concluding speech delivered by Miss Riya Jaison, reflecting on the journey of the event and highlighting the transformative impact of collective effort and collaboration in driving meaningful electronic innovations. As Elexathon drew to a close, it left an indelible mark on all attendees, igniting a passion for electronic innovation and problem-solving within the academic community.

Objectives:-

- Foster collaborative problem-solving among diverse teams.
- Encourage interdisciplinary approaches to address challenges.
- Promote innovation and creativity in solutions.
- Bridge academia with real-world problem-solving.
- Cultivate teamwork and leadership skills.
- Drive social impact through problem-solving.
- Foster inclusivity and diversity in participation.

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INSTITUTION'S INNOVATION COUNCIL
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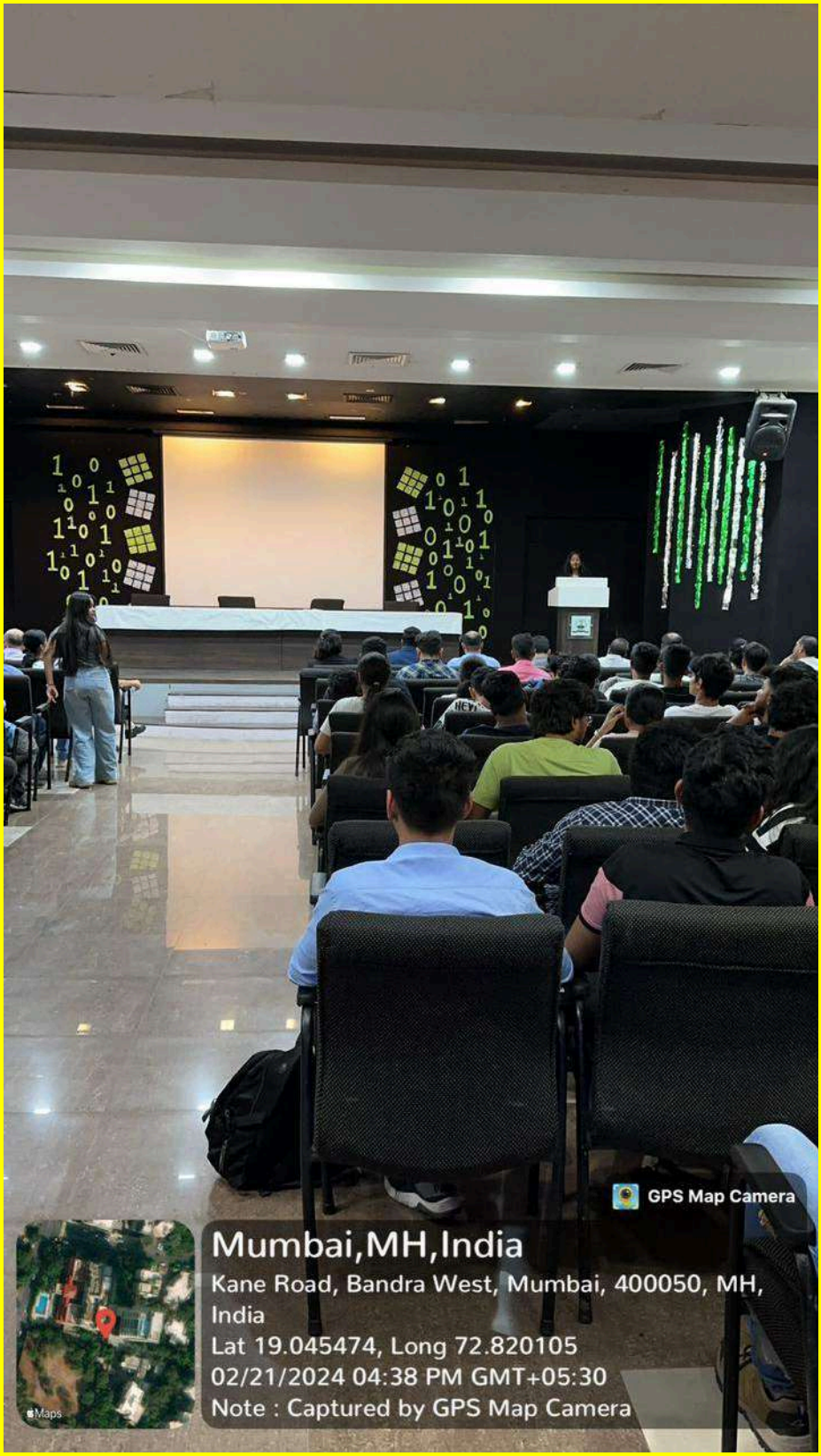

Outcome of the Crescendo Elexathon

Objective of the Event: Crescendo Elexathon

1. To foster collaborative problem-solving among student teams.

2. To encourage innovative approaches to address real-world challenges.

Outcome of the Event: Crescendo Elexathon

1. Participating students honed their presentation skills through interactions with expert panels.

2. Valuable domain-specific feedback from experts enhanced students' understanding and refined their solutions.

3. Students gained insight into the entire process of idea incubation, from conception to implementation.

4. Awareness about available financial support schemes for idea realization was raised among participants.

5. Emphasis on teamwork underscored the importance of shared responsibility and synergy among team members.

6. The Elexathon sparked a wave of creativity, promoting lateral thinking and unconventional solutions to societal problems within the student community.

Attendance for Crescendo Mechathon:

ID	Name	E-Mail	Event	Attendance
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CRESE002	Akash Agre	crce.9112.ecs@gmail.com	ELEX-A-THON	Present
CRESE003	Jeshurun Edwin	crce.8808.ecs@gmail.com	ELEX-A-THON	Present
CRESE004	Aaron Pereira	pereiraaron2002@gmail.com	ELEX-A-THON	Present
CRESE005	Zeal Rodrigues	crce.9289.cs@gmail.com	ELEX-A-THON	Present
CRESE006	Samuel Emmatty	crce.9256.cs@gmail.com	ELEX-A-THON	Present
CRESE007	Vedant Bherde	bherdevedant@gmail.com	ELEX-A-THON	Present
CRESE008	Ayush Batra	crce.9244.cs@gmail.com	ELEX-A-THON	Present
CRESE009	Preeti Vasaikar	crce.9299.cs@gmail.com	ELEX-A-THON	Present
CRESE010	Shahood Ansari	a.shahood.333@gmail.com	ELEX-A-THON	Present
CRESE011	Vadakkeparampil Anosh Kurian	crce.9298.cs@gmail.com	ELEX-A-THON	Present
CRESE012	Jainam Joshi	crce.9424.cs@gmail.com	ELEX-A-THON	Present
CRESE013	Bhushan Pakhle	crce.9216.cs@gmail.com	ELEX-A-THON	Present
CRESE014	Ritika Rumde	crce.9229.cs@gmail.com	ELEX-A-THON	Present
CRESE015	Justin Abreo	crce.9174.cs@gmail.com	ELEX-A-THON	Present
CRESE016	Farhan Khan	crce.9134.ecs@gmail.com	ELEX-A-THON	Present
CRESE017	Yash Thorat	crce.9167.ecs@gmail.com	ELEX-A-THON	Present
CRESE018	Jordan Soans	crce.9165.ecs@gmail.com	ELEX-A-THON	Present
CRESE019	Shaunak Aital	crce.9433.mech@gmail.com	ELEX-A-THON	Absent
CRESE020	Vedang Bidaye	crce.9436.mech@gmail.com	ELEX-A-THON	Present
CRESE021	Harshvardhan Trivedi	crce.9452.mech@gmail.com	ELEX-A-THON	Present

CRESE022	Jason Rodrigues	crce.9158.ecs@gmail.com	ELEX-A-THON	Present
CRESE023	Dhruv Pednekar	crce.9150.ecs@gmail.com	ELEX-A-THON	Present
CRESE024	Shreeshailya Patil	crce.9147.ecs@gmail.com	ELEX-A-THON	Present
CRESE025	Mahender Choudhary	mahenderchoudhary53@gmail.com	ELEX-A-THON	Present
CRESE026	Amish Nair	amishjnair2307@gmail.com	ELEX-A-THON	Present
CRESE027	Jonathan Joseph	reachjonathan21@gmail.com	ELEX-A-THON	Present
CRESE028	Shaun Pimenta	crce.9222.cs@gmail.com	ELEX-A-THON	Present
CRESE029	Atharva Pawar	crce.9427.cs@gmail.com	ELEX-A-THON	Present
CRESE030	Hitesh Sharma	crce.9233.cs@gmail.com	ELEX-A-THON	Present
CRESE031	Vinay Pujari	pujarivinay35@gmail.com	ELEX-A-THON	Present
CRESE032	Jacob perumattil	jacob7perumattil@gmail.com	ELEX-A-THON	Present
CRESE033	Smruti bhatkar	bhatkarsmruti@gmail.com	ELEX-A-THON	Present
CRESE034	Kedar Adhikari	kedaradhikari2002@gmail.com	ELEX-A-THON	Present
CRESE035	Rhea Bhalekar	rheabhalekar13@gmail.com	ELEX-A-THON	Present
CRESE036	Jacob Mire	crce.9386.aids@gmail.com	ELEX-A-THON	Present
CRESE037	Attar Singh Kalsi	crce.9132.ecs@gmail.com	ELEX-A-THON	Present
CRESE038	Lionel Castelino	crce.9118.ecs@gmail.com	ELEX-A-THON	Present
CRESE039	Emmanuel Vazathra	crce.9170.ecs@gmail.com	ELEX-A-THON	Present
CRESE040	Pratham Sonawane	crce.9347.mech@gmail.com	ELEX-A-THON	Present
CRESE041	Neel Mankame	crce.9324.mech@gmail.com	ELEX-A-THON	Present
CRESE042	Chirag Jadhav	crce.9310.mech@gmail.com	ELEX-A-THON	Present
CRESE043	Asiya Shaikh	crce.9341.mech@gmail.com	ELEX-A-THON	Present
CRESE044	Santo Sunny	crce.9161.ecs@gmail.com	ELEX-A-THON	Present
CRESE045	Tanuj Kumbhar	crce.9137.ecs@gmail.com	ELEX-A-THON	Present

CRESE046	Naimish Purohit	crce.10396.ecs@gmail.com	ELEX-A-THON	Present
CRESE047	Nishant Patil	nishantpatil8433@gmail.com	ELEX-A-THON	Present
CRESE048	Samarth Vaishnav	samarthvaishnav33@gmail.com	ELEX-A-THON	Present
CRESE049	Sahil Khan	Frcrcesahil@gmail.com	ELEX-A-THON	Present
CRESE050	Bais Rishab	rishabaise@gmail.com	ELEX-A-THON	Absent
CRESE051	Krish Gupta	krishgupta.45@gmail.com	ELEX-A-THON	Absent
CRESE052	Vrushti Shah	crce.9420.ecss@gmail.com	ELEX-A-THON	Present
CRESE053	Arpita Khot	crce.9136.ecs@gmail.com	ELEX-A-THON	Present
CRESE054	Jinish Varaiya	jinishvaraiya@gmail.com	ELEX-A-THON	Present
CRESE055	Shalaka Vengurlekar	shalaka.vengurlekar@gmail.com	ELEX-A-THON	Present
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CRESE058	Krishna soni	krishnasheetal44@gmail.com	ELEX-A-THON	Present
CRESE059	Aarush wasnik	crce.9517.ecs@gmail.com	ELEX-A-THON	Present
CRESE060	Kush Ambekar	kushambekar@gmail.com	ELEX-A-THON	Present
CRESE061	Shreya Ghorpade	shreyashridhar107@gmail.com	ELEX-A-THON	Present
CRESE062	Anthony Benno	bennoanthony4@gmail.com	ELEX-A-THON	Present

Crescendo Teacher Incharge

Dr. Bhushan Patil
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FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
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INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)
IIC-FrCRCE

Crescendo Robosumo

DATE: 20/02/2024

Schedule

Sr.No.	Date	Contents
1	06-02-2024	Robosumo Went Public
2.	23-02-2024	Robosumo Starts
3.	23-02-2024	Robosumo Ends

The Crescendo Robosumo, expertly coordinated by the Students' Council, showcased the passion and talent within our academic community. This exciting event provided a platform for students to showcase their robotic skills and creativity.

Name of the event: CRESCENDO Robosumo

Date of event: *February 23rd 2024*

Location of the event: 1st Floor *CRCE College*.

Sponsoring organisation: *Student's Council*

Number of students attended: **44**

Number of Faculty members attended: **3**

RoboSumo, a riveting tournament of robotic prowess, commenced with an air of anticipation as teams of engineers and robotics enthusiasts eagerly gathered. With no formal inauguration, the competition launched straight into action, setting the stage for an exhilarating display of innovation and technical skill.

The essence of RoboSumo lay in its straightforward yet compelling premise: to pit custom-built robots against each other in a series of strategic battles. Participants brought their creations to life, each robot a testament to its team's dedication and ingenuity in the field of robotics.

As the tournament progressed, the arena became a battlefield of mechanical marvels, where robots maneuvered with agility and precision to outmaneuver their opponents. With no formal leadership, teams relied on their collective knowledge and collaborative spirit to navigate each round of the competition.

Divided into multiple rounds of escalating intensity, RoboSumo provided participants with a platform to push the boundaries of robotic design and functionality. The challenges presented in each round tested not only the technical capabilities of the robots but also the strategic acumen of their creators.

Amidst the flurry of mechanical clashes and strategic maneuvers, RoboSumo culminated in a crescendo of excitement and camaraderie. Participants and spectators alike marveled at the innovation on display and celebrated the spirit of competition that permeated the event.

As the tournament drew to a close, RoboSumo left a lasting impression on all involved, inspiring a continued passion for robotics and technological innovation. With robots returning to their creators and memories of battles fought, RoboSumo stood as a testament to the limitless possibilities of the human imagination in the realm of robotics.

Objectives:-

- Encourage participants to think creatively and innovate in robotic design and functionality.
- Provide a platform for participants to apply and enhance their technical skills in robotics.
- Foster collaboration among participants, promoting teamwork and knowledge sharing.
- Challenge participants to develop strategic approaches to robot design and gameplay.
- Spark creativity and imagination by allowing participants to design and build their robotic creations.
- Emphasize fair play, respect, and sportsmanship among participants.

- Showcase the talent, skills, and innovative ideas of participants to a wider audience.
- Inspire a passion for robotics and technological innovation, motivating participants to pursue careers in STEM fields.

IMAGES:

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Outcomes of the RoboSumo Tournament:

- Enhanced Presentation Skills: Participating students refined their ability to present ideas effectively through interactions with expert panels.
- Improved Solutions: Valuable feedback from domain experts enhanced students' understanding and refined their solutions, providing practical insights for future projects.
- Comprehensive Understanding: Students gained insight into the entire lifecycle of idea incubation, from conception to implementation, fostering a deeper understanding of project development.
- Financial Literacy: Awareness about available financial support schemes for idea realization was raised among participants, empowering them to seek funding for their projects.
- Teamwork Reinforcement: The tournament emphasized the importance of teamwork, highlighting shared responsibility and synergy among team members in achieving success.
- Cultivated Creativity: RoboSumo ignited creativity, encouraging lateral thinking and unconventional solutions to societal problems within the student community.

Objectives of the RoboSumo Tournament:

- Skill Enhancement: To provide students with opportunities to enhance their presentation skills through real-world interactions.
- Solution Refinement: To facilitate the refinement of solutions through feedback from domain experts, improving their practical applicability.
- Holistic Insight: To offer students a comprehensive understanding of the idea incubation process, from conception to implementation.
- Financial Empowerment: To raise awareness about available financial support schemes, empowering students to pursue their innovative ideas.
- Teamwork Emphasis: To underscore the importance of teamwork, fostering shared responsibility and synergy among team members.
- Creativity Promotion: To promote creativity and encourage innovative thinking in addressing societal challenges within the student community.

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INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)
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Attendance for Robosumo:

ID	Name	E-Mail	Event	Attendance
ROBO01	Rhea Bhalekar	rheabhalekar13@gmail.com	ROBOSUMO	Present
	Kedar Adhikari	kedaradhikari2002@gmail.com	ROBOSUMO	Present
	Jacob Mire	crce.9386.aids@gmail.com	ROBOSUMO	Present
ROBO02	David Porathur	david.porathuredu@gmail.com	ROBOSUMO	Present
	Freia Carmelica Quadros	freiaquadros16@gmail.com	ROBOSUMO	Present
	Parth B. Sawant	parthsawant9321@gmail.com	ROBOSUMO	Absent
ROBO03	Naimish Purohit	crce.10396.ecs@gmail.com	ROBOSUMO	Absent
	Caleb Lewis	crce.10394.ecs@gmail.com	ROBOSUMO	Absent
	Craig Zalake	Zalake04@gmail.com	ROBOSUMO	Absent
ROBO04	Ayush Ankush Kokate	e2110029@spce.ac.in	ROBOSUMO	Present
	Harshali Keshao Rawale	e2110047@spce.ac.in	ROBOSUMO	Present
	Parab Saish Rajan	m2210049@spce.ac.in	ROBOSUMO	Present
ROBO05	Saif Salim Mozawala	m2110035@spce.ac.in	ROBOSUMO	Present
	Prajapati Akash Manoj	E2220028@spce.ac.in	ROBOSUMO	Present
	Rohini Kalusing Pawar	e2110043@spce.ac.in	ROBOSUMO	Present
ROBO06	Shubhankar Deshmukh	crce.9820.ecs@gmail.com	ROBOSUMO	Present
	Aaron Fernandes	crce.9825.ecs@gmail.com	ROBOSUMO	Present
	Jersild Dsouza	crce.9824.ecs@gmail.com	ROBOSUMO	Present
ROBO07	Shreya Panikkassery	shreyapanikkassery@gmail.com	ROBOSUMO	Present
	Aarush Wasnik	wasnikaarush@gmail.com	ROBOSUMO	Present
	Sharique Khan	ray7us@gmail.com	ROBOSUMO	Present
ROBO08	Eric Vivek Fernandes	crce.9196.cs@gmail.com	ROBOSUMO	Present
	Raghav Omprakash Rawat	crce.9340.mech@gmail.com	ROBOSUMO	Present
	Tejas Shantaram Mahangade	crce.9322.mech@gmail.com	ROBOSUMO	Present
ROBO09	Dhruv Pednekar	crce.9150.ecs@gmail.com	ROBOSUMO	Absent
	Jason Rodrigues	crce.9158.ecs@gmail.com	ROBOSUMO	Absent
	Shreeshailya Patil	crce.9147.ecs@gmail.com	ROBOSUMO	Absent
ROBO10	Emin Joy	eminsebastian2003@gmail.com	ROBOSUMO	Absent

	Lloyd Louis	lloydaroj@gmail.com	ROBOSUMO	Absent
	Eshank Bele	eshank712@gmail.com	ROBOSUMO	Absent
ROBO11	Hardik Prajapati	hardikprajapati7843@gmail.com	ROBOSUMO	Present
	Piyush Kasle	kaslepiyush07@gmail.com	ROBOSUMO	Present
	Shalaka Vengurlekar	shalaka.vengurlekar@gmail.com	ROBOSUMO	Present
ROBO12	Jaden serraao	Serraojaden@gmail.com	ROBOSUMO	Absent
	Bryan Robert	crce.10372.aids@gmail.com	ROBOSUMO	Absent
	Vishal Gowda	gowdavishal05@gmail.com	ROBOSUMO	Absent
ROBO13	Kunal Kore	kunalkore.audir8@gmail.com	ROBOSUMO	Present
	Sanat Pednekar	crce.9335.mech@gmail.com	ROBOSUMO	Present
	Sachidanand Halhali	crce.9335.mech@gmail.com	ROBOSUMO	Absent
ROBO14	Jaden Serrao	Serraojaden@gmail.com	ROBOSUMO	Absent
	Bryan Robert	First Year	ROBOSUMO	Absent
	Alroy Lopes	alroylopes2@gmail.com	ROBOSUMO	Absent
ROBO15	Yash Waghmare	yashwaghmare695@gmail.com	ROBOSUMO	Present
	Ishita Yadav	ishitay2004@gmail.com	ROBOSUMO	Present
	Kashmira Sukhtankar	kashsukhtankar@gmail.com	ROBOSUMO	Present
ROBO16	Atharva Pawar	crce.9427.cs@gmail.com	ROBOSUMO	Present
	Shaun Pimenta	crce.9222.cs@gmail.com	ROBOSUMO	Present
	Sahil Anil Baikar	sahilbaikar@gmail.com	ROBOSUMO	Present
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	Nishant Patil	nishantpatil8433@gmail.com	ROBOSUMO	Present
	Janhvi Gupta	crce.9476.ecs@gmail.com	ROBOSUMO	Present
ROBO18	Sahil Shaikh	crce.9291.cs@gmail.com	ROBOSUMO	Present
	Mehul Patel	crce.9279.cs@gmail.com	ROBOSUMO	Present
	Devraj Patil	crce.9280.cs@gmail.com	ROBOSUMO	Present
ROBO19	Joseph	crce.9261.cs@gmail.com	ROBOSUMO	Present
	Aaron	crce.9284.cs@gmail.com	ROBOSUMO	Present
	Asher	crce.9268.cs@gmail.com	ROBOSUMO	Present
ROBO20	Ganesh Naik	naik66233@gmail.com	ROBOSUMO	Present
	Akshat Kholakia	akshatkholakiya@gmail.com	ROBOSUMO	Present

	Leon Menezes	menezesleon407@gmail.com	ROBOSUMO	Present

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INSTITUTION'S INNOVATION COUNCIL
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Report: Bit N Build 2024

Event Plan:

Phase	Name	Date
1	Internal Hackathon (in every collaborating college)	11th – 17th February 2024
1.1	Regional Internal Hackathon (Maharashtra)	17th - 18h February 2024
2	Final Hackathon at Fr. CRCE	24th - 25th February 2024

Bit N Build 2024, an international level hackathon unfolded in 2 phases: the first saw national and international collaborating colleges conducting internal hackathons, while the second culminated in the top teams from phase one competing at Fr. Conceicao Rodrigues College of Engineering on the 24th and 25th of February 2024 for the Final Hackathon.

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai – 400 050

Name of the event: Bit N Build 2024

Date of event: February 24th - 25th 2024

Location of the event: Fr. Conceicao Rodrigues College of Engineering

Registration of Participants

Phase One: Internal Hackathon

The internal hackathon was conducted in every collaborating college spanning from 11th to 17th of February 2024. The collaborators constituted of one distinguished college from 14 states in India and 10 countries across the globe.

National (India):

1. Maharashtra: Fr. Conceicao Rodrigues College of Engineering
2. Tamil Nadu: IIIT Tiruchirappalli
3. Odisha: IIIT Bhubaneshwar
4. Uttarakhand: IIT Roorkee
5. Andhra Pradesh: Vellore Institute of Technology (VIT-AP)
6. Kerala: NIT Calicut
7. Punjab: IIT Ropar
8. Himachal Pradesh: IIT Mandi
9. West Bengal: Jadavpur University
10. Rajasthan: Bits Pilani
11. Assam: Don Bosco University
12. Telangana: CVR college
13. Delhi: Maharaja Agrasen Institute of Technology (MAIT)
14. Bihar: NIT Patna
15. Karnataka: University of Visvesvaraya College of Engineering (UVCE)

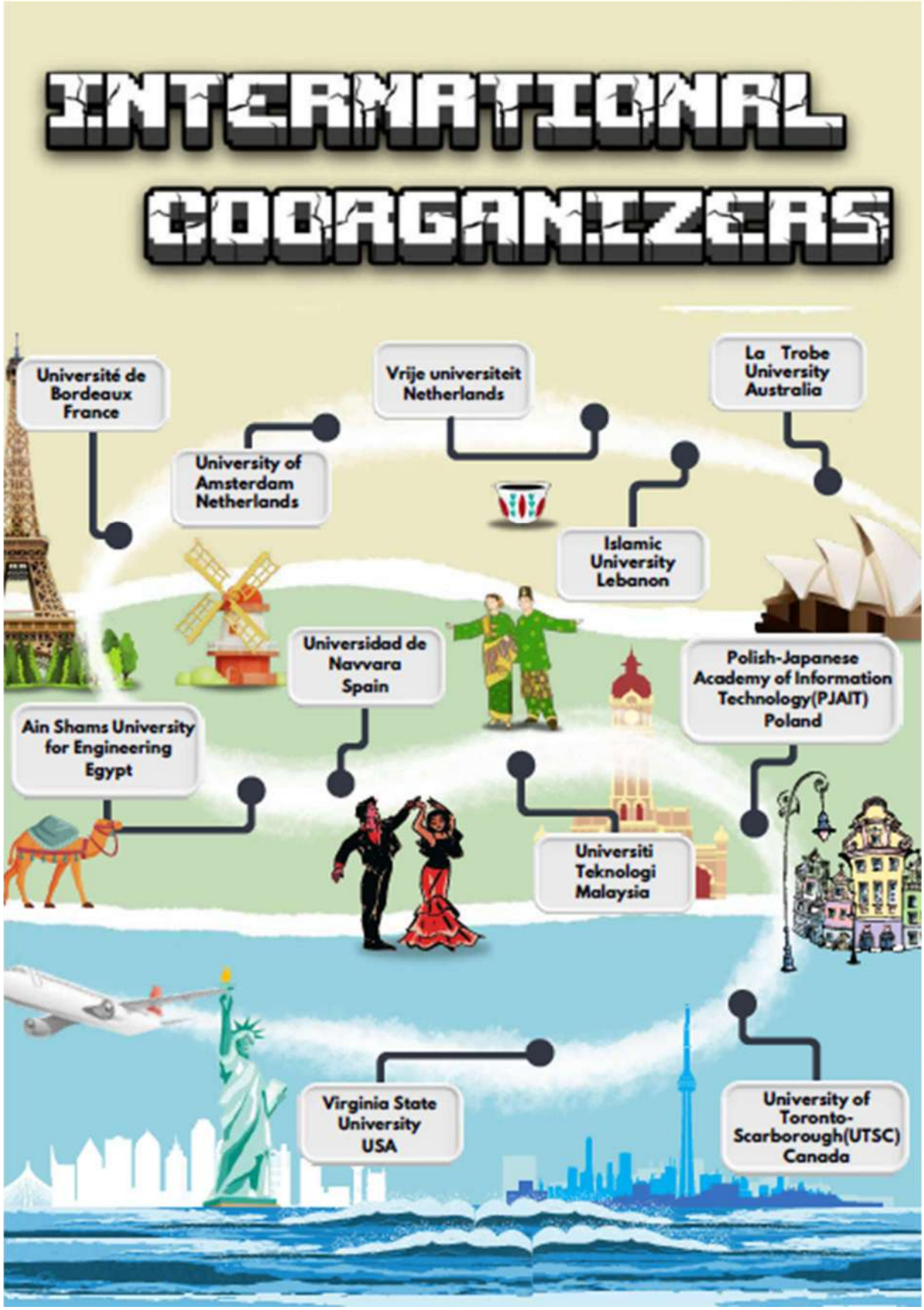
International:

1. Australia: La Trobe University
2. Lebanon: Islamic University
3. Netherlands: University of Amsterdam
4. USA: Virginia State University
5. France: Université de Bordeaux
6. Poland: Polish-Japanese Academy of Information Technology (PJAIT)
7. Malaysia: Universiti Teknologi Malaysia
8. Canada: University of Toronto- Scarborough (UTSC)
9. Spain: Universidad de Navvara
10. Egypt: Ain Shams University for Engineering

Type: Colleges from India conducted a state - level hackathon for their respective state while international colleges had participants from the whole of their respective country.

Mode: Online or offline depending on the respective college's convenience.

National Co-organizers



International Co-organizers

Phase 1.1: Regional Internal Hackathon

(Maharashtra)

As every state had its own internal hackathon to represent the state of Maharashtra, a state-level hackathon of 24 hrs was conducted in an online format on the 17th and 18th of February 2024.

Participation Statistics: With over 100 teams from all over Maharashtra 22 teams were shortlisted for the final round.

Timeline:

Time	Contents
17th February 2024	
4:00pm	Inauguration Ceremony
5:00pm	Hackathon Begins
8:30pm	Mentoring Session Begins
18th February 2024	
9:00am	Judging Round 1
3:30pm	Judging Round 2
4:30pm	Result Declaration
5:00pm	Hackathon Ends

17th February at 4:30 pm:

The hackathon kicked off with an inspiring inauguration ceremony, setting the tone for the intense coding competition ahead. Participants were welcomed with motivational speeches and an overview of the event's agenda.

17th February at 5:00 pm:

Teams dove into solving the problem statements as the hackathon officially commenced. With innovative ideas brewing and keyboards clacking, the atmosphere buzzed with excitement and determination as participants embarked on their coding journey.

17th February at 8:30 pm:

Expert mentors joined the event to provide guidance and support to the participating teams. Mentoring sessions began, offering invaluable insights and advice to help teams refine their projects and overcome any challenges they encountered.

18th February at 9:00 am:

The first round of judging commenced, as expert panels carefully evaluated the projects based on creativity, functionality, and technical prowess. Teams eagerly awaited feedback and recognition for their hard work and innovative solutions.

18th February at 3:30 pm:

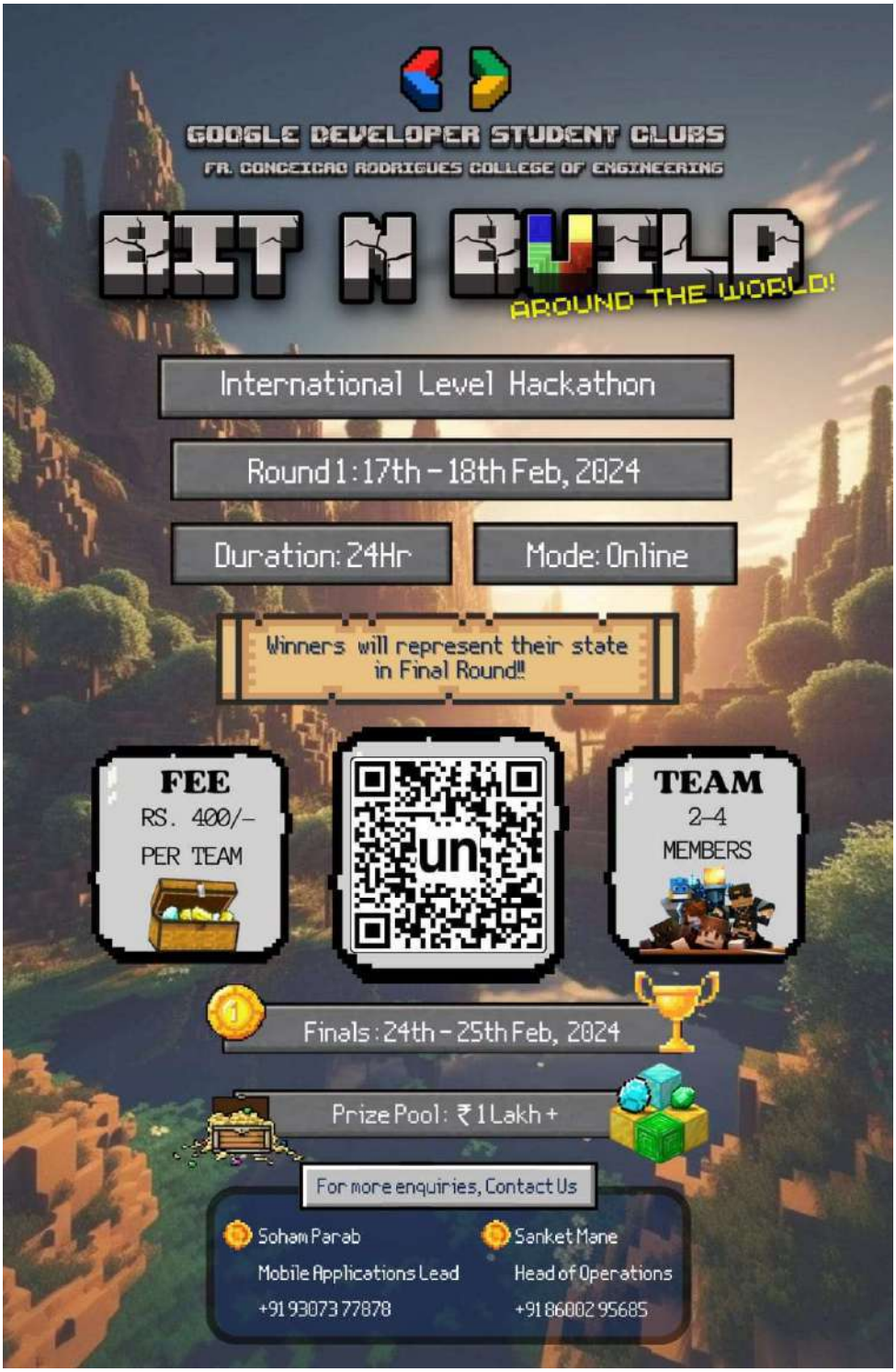
The intensity heightened as the second round of judging began, with judges delving deeper into the intricacies of each project. Teams presented their prototypes, demonstrating their problem-solving abilities and the practical application of their solutions.

18th February at 4:30 pm:

Anticipation filled the air as the results were announced, recognizing outstanding achievements and innovative ideas. Teams gathered eagerly to hear the outcomes, celebrating their successes and acknowledging the hard work and dedication invested throughout the hackathon.

18th February at 5:00 pm:

With the culmination of the results, the hackathon drew to a close, marking the end of an exhilarating journey filled with collaboration, creativity, and technical ingenuity. Participants reflected on their experiences, proud of their accomplishments and newfound skills gained during the event.



PR Poster for Maharashtra Internal Hackathon

Phase two: Final Hackathon

The Bit N Build 2024 final round took place on the 24th and 25th of February. The top teams from Round 1 across India were awarded an all-expenses-paid trip to Fr. Conceicao Rodrigues College of Engineering, Mumbai, while the international teams joined online.

Participation Statistics: 35 teams participated in the hackathon from various parts of India, attending offline, while an additional 30 international teams joined the event online.

Final Day at Samvaad

Finalist Teams:

Team Name	Team Members	College
Dream11	Myron Dabreo	Fr. Conceicao Rodrigues College of Engineering
Dream11	Aryan Kyatham	Fr. Conceicao Rodrigues College of Engineering
Dream11	Neston Cabral	Fr. Conceicao Rodrigues College of Engineering
Dream11	**Sharvin Gavad**	Fr. Conceicao Rodrigues College of Engineering
Kesari	**Amey Bagwe**	Fr. Conceicao Rodrigues College of Engineering
Kesari	Vailantan Fernandes	Fr. Conceicao Rodrigues College of Engineering
Kesari	Wesley Jude Lewis	Fr. Conceicao Rodrigues College of Engineering
Kesari	Shoydon Alphonso	Fr. Conceicao Rodrigues College of Engineering
Byte Coders	Jenny Lopes	Fr. Conceicao Rodrigues College of Engineering
Byte Coders	**Janice DCruz**	Fr. Conceicao Rodrigues College of Engineering
Byte Coders	Slayde Sequeira	Fr. Conceicao Rodrigues College of Engineering
Byte Coders	Janvi Naik	Fr. Conceicao Rodrigues College of Engineering
ALT+F4	Vedant Chawardol	Fr. Conceicao Rodrigues College of Engineering
ALT+F4	Ivan Dsouza	Fr. Conceicao Rodrigues College of Engineering
ALT+F4	Saville Dsilva	Fr. Conceicao Rodrigues College of Engineering
ALT+F4	**Max Gonsalves**	Fr. Conceicao Rodrigues College of Engineering

Code Buggers	Aayush Juhukar	Fr. Conceicao Rodrigues College of Engineering
Code Buggers	Sahil Bodkhe	Fr. Conceicao Rodrigues College of Engineering
Code Buggers	**Sahil Bane**	Fr. Conceicao Rodrigues College of Engineering
Code Buggers	Shreyas Keni	Fr. Conceicao Rodrigues College of Engineering
4i	Nishant Maurya	Fr. Conceicao Rodrigues College of Engineering
4i	harsh dalvi	Fr. Conceicao Rodrigues College of Engineering
4i	**Yash Punmiya**	Fr. Conceicao Rodrigues College of Engineering
4i	tanish belel	Fr. Conceicao Rodrigues College of Engineering
AlphaQ	Simona Rumao	Fr. Conceicao Rodrigues College of Engineering
AlphaQ	**Nishant Patil**	Fr. Conceicao Rodrigues College of Engineering
AlphaQ	Desmond Antony	Fr. Conceicao Rodrigues College of Engineering
AlphaQ	Anurag Thakare	Fr. Conceicao Rodrigues College of Engineering
BOOMERS	Delvin Dsouza	Father Conceicao Rodrigues college of engineering
BOOMERS	**Jaden Menezes**	Father Conceicao Rodrigues college of engineering
BOOMERS	Akshat Parmar	Father Conceicao Rodrigues college of engineering
BOOMERS	Aloysius Rebello	Father Conceicao Rodrigues college of engineering

Bedrock	Khalid Sayyed	Vivekanand Education Society's Institute of Technology
Bedrock	**Atharva Sardal**	Vivekanand Education Society's Institute of Technology
Bedrock	Ritesh Bhalerao	Vivekanand Education Society's Institute of Technology
Bedrock	Himanshu Goyal	Vivekanand Education Society's Institute of Technology
sudo rm -rf	**Vinayak Mohanty**	Thadomal Shahani Engineering College
sudo rm -rf	Devansh Nair	Thadomal Shahani Engineering College
sudo rm -rf	Yanshuman Yadav	Thadomal Shahani Engineering College
sudo rm -rf	Vaibhav Sharma	Thadomal Shahani Engineering College
K-TRAPS	Adwait Mandge	Verrmata Jijabai Technological Institute
K-TRAPS	**Rohan Fatehchandka**	Verrmata Jijabai Technological Institute
K-TRAPS	Kunal Goudani	Verrmata Jijabai Technological Institute
K-TRAPS	Tanaya Shelke	Verrmata Jijabai Technological Institute

DETR	MOHAMMAD ISMAIL	Rizvi College of Engineering
DETR	**Sayed Amman**	Rizvi College of Engineering
DETR	Chaitanya Parab	Rizvi College of Engineering
DETR	Avesh Ansarsab	Rizvi College of Engineering
TL;DR	**Harsh Mali**	Viva Institute of Technology
TL;DR	Rushabh Patil	Viva Institute of Technology
TL;DR	Devesh Rathod	Viva Institute of Technology
The Recursives	Pankhudi Jaiswal	Thadomal Shahani Engineering College
The Recursives	Kresha Mehta	Thadomal Shahani Engineering College
The Recursives	**Vishesh Gatha**	Thadomal Shahani Engineering College
The Recursives	Pankaj Jaiswal	Thadomal Shahani Engineering College
JANkari	Jeet Shah	Mukesh Patel School of Technology Management and Engineering,FLAME University
JANkari	**Aniket Khetan**	Mukesh Patel School of Technology Management and Engineering,FLAME University
JANkari	Nilay Gaitonde	Mukesh Patel School of Technology Management and Engineering,FLAME University
Flutter Flies	Manthon	Thdomal Shani engineering college
Flutter Flies	**Tanishq Bagul**	Thdomal Shani engineering college
Flutter Flies	Riya Jaiswal	Thdomal Shani engineering college

Enigma	Yashvant Chappwale	Atharva College of Engineering
Enigma	Priyanka Pandey	Atharva College of Engineering
Enigma	**Dhruv Bhatada**	Atharva College of Engineering
Enigma	Nimesh Gujari	Atharva College of Engineering
Unreal	**Prince Dabre**	Fr. Conceicao Rodrigues College of Engineering
Unreal	Mark Tuscano	Fr. Conceicao Rodrigues College of Engineering
Unreal	Ashvini Chauhan	Fr. Conceicao Rodrigues College of Engineering
Unreal	Nash Dabre	Fr. Conceicao Rodrigues College of Engineering
Terminal Evolvers	Charmi Tank	Fr. Conceicao Rodrigues College of Engineering
Terminal Evolvers	Edryn Eazhakadan	Fr. Conceicao Rodrigues College of Engineering
Terminal Evolvers	**Shaun Pimenta**	Fr. Conceicao Rodrigues College of Engineering
Terminal Evolvers	Aiden Samuel	Fr. Conceicao Rodrigues College of Engineering
Error404NotFound	**Joel Nazareth**	Fr. Conceicao Rodrigues College of Engineering
Error404NotFound	Nimish Patil	Fr. Conceicao Rodrigues College of Engineering
Error404NotFound	Melbin Koshy	Fr. Conceicao Rodrigues College of Engineering
Error404NotFound	Madhav Jha	Fr. Conceicao Rodrigues College of Engineering

CodeBullets	Prem Dhawane	Thadomal Shahani Engineering College, Mumbai
CodeBullets	**Krishna Khadke**	Thadomal Shahani Engineering College, Mumbai
CodeBullets	Manav Miteshkumar	Thadomal Shahani Engineering College, Mumbai
CodeBullets	Ved Jaiswal	Thadomal Shahani Engineering College, Mumbai
DevDynasty	Dhruv Mehta	Dwarkadas Jivanlal Sanghvi College of Engineering, Vile Parle
DevDynasty	**Meet Chavan**	Dwarkadas Jivanlal Sanghvi College of Engineering, Vile Parle
DevDynasty	Devang Harsora	Dwarkadas Jivanlal Sanghvi College of Engineering, Vile Parle
DevDynasty	Smit Patel	Dwarkadas Jivanlal Sanghvi College of Engineering, Vile Parle
Codyssey	**Snigdha Bisht**	Indira Gandhi Delhi Technical University for Women
Codyssey	Sakshi Tiwari	Indira Gandhi Delhi Technical University for Women
Codyssey	Anushka Aggarwal	Indira Gandhi Delhi Technical University for Women
BitMasters	**Brijendra Singh**	IIIT bhubaneswar
BitMasters	Akash Bharti	IIIT bhubaneswar
BitMasters	Mohd Ehtisham	IIIT bhubaneswar
BitMasters	Divyakumar	IIIT bhubaneswar

4065B322 - 404Found	**Dhruv S Shah**	CVR College Of Engineering
4065B322 - 404Found	Rishi Kumar Gade	CVR College Of Engineering
4065B322 - 404Found	Ananya Pappula	CVR College Of Engineering
4065B322 - 404Found	Sneha Muthyala	CVR College Of Engineering
CM65B2336 - cmatrix	**Shashank Bhake**	CMR College of Engineering & Technology
CM65B2336 - cmatrix	Shashankh Vasudev Kanni	CMR College of Engineering & Technology
CM65B2336 - cmatrix	Krishna Prasanth	CMR College of Engineering & Technology
CM65B2336 - cmatrix	Priyal Nagda	CMR College of Engineering & Technology
HackSaw	**Hitesh Lalwani**	CVR College of Engineering
HackSaw	Shubh A Chudasama	CVR College of Engineering
HackSaw	Deekshitha Gona	CVR College of Engineering
HackSaw	Vikas Rushi	CVR College of Engineering
Bits of SAND	**Sachin A**	University of Visvesvaraya College of Engineering
Bits of SAND	Narendra Reddy C R	University of Visvesvaraya College of Engineering
Bits of SAND	Darshan S Vajrawad	University of Visvesvaraya College of Engineering
Bits of SAND	Aniruddha Khasanis	University of Visvesvaraya College of Engineering

CtrlAltSucceed	**Vaishnavi N Mahadev**	University of Visvesvaraya College of Engineering
CtrlAltSucceed	Keshava karthik	University of Visvesvaraya College of Engineering
CtrlAltSucceed	Manvitha M Puthu	University of Visvesvaraya College of Engineering
CtrlAltSucceed	Karthikeyan T	University of Visvesvaraya College of Engineering
dino	**Aditya Mayukh Som**	Jadavpur University
dino	Soham Dutta	Jadavpur University
dino	Somoprovo Bhattacharjee	Jadavpur University
dino	Debabrata Mondal	Jadavpur University
Social-Troops	**Rajat Kiran Sahu**	International Institute of information technology Bhubaneswar
Social-Troops	Subhranshu Panda	International Institute of information technology Bhubaneswar
Social-Troops	Swaroopdarshan Dash	International Institute of information technology Bhubaneswar
Social-Troops	Tejaswee Kumar Singh	International Institute of information technology Bhubaneswar
Hackstreet boys	**Arun Natarajan**	NIT Calicut
Hackstreet boys	Hafeez Muhammed	NIT Calicut

Ctrl+Alt+Defeat	**Shubham Joshi**	Indian Institute of Information Technology Tiruchirappalli
Ctrl+Alt+Defeat	Rohit Raj	Indian Institute of Information Technology Tiruchirappalli
Ctrl+Alt+Defeat	Nishant Raj	Indian Institute of Information Technology Tiruchirappalli
Ctrl+Alt+Defeat	Jagmohan Dixit	Indian Institute of Information Technology Tiruchirappalli
Hubert and Co	**Rajneesh Boro**	Assam Don Bosco University
Hubert and Co	Aakash Banerjee	Assam Don Bosco University
Hubert and Co	Gurumayum Radhakrishnan Sharma	Assam Don Bosco University
Hubert and Co	Sauvik Das	Assam Don Bosco University

INTERNATIONAL		
Alpha Wolves	Adnan Shafi	Malaysia
	GM Shaheen Shah Shimon	Malaysia
	Shakeef Ahmed Rakin	Malaysia
	John Andy Gomes	Malaysia
aquaholics	Desmond Foo	Malaysia
	Teh Chen Ming	Malaysia
	Puah Yi Kai	Malaysia
	Chooi Yao Feng	Malaysia
Binary brains	Sara Hany Mohamed Abdelhady	Egypt
	Amany Ehab Ezzat Ismail	Egypt
	Habiba Mostafa Mahmoud Kenawy	Egypt
MNFS	Menna	Egypt
	Nancy	Egypt
	Fatma	Egypt
	Shahd	Egypt
Samsara	Sabine	Lebanon
	hazimeh	Lebanon
	Reem khanafer	Lebanon
Beta	Aya Shibbi	Lebanon
	Safaa Joshkon	Lebanon
	Mohammad Al-Nakib	Lebanon
	Michael Naiim	Lebanon
FarmDuino Masters	Hussein Turfah	Lebanon
	Zeinab Mohsen	Lebanon
	Mohammad Hashem	Lebanon

	Ali Al Hadi Srour	Lebanon
Make it right	Amelia Krysiak	Poland
	Piotr Bieńkowski	Poland
	Michał Płócienniczak	Poland
AnyCode	Kacper Akdag-Ochnik	Poland
	Tomasz Lech	Poland
	Tomasz Góralski	Poland
	Krzysztof Niemiec	Poland
Melbourne	Rajan Pusalkar	Australia
	Shyalan Ramesh	Australia
	Viet Tran	Australia
Team USA	Nicholas Thompson	USA
	Atilia James	USA
TechHarmony Malaysia	Aina Lim	Malaysia
	Harith Malik	Malaysia
	Nurul Azmi	Malaysia
	Danial Khoo	Malaysia
Pyramid Developers	Ahmed Salah	Egypt
	Aya Mahmoud	Egypt
CodeBuilder Polska	Kamil Nowak	Poland
	Joanna Wójcik	Poland
	Marek Kowalski	Poland
QuantumQuotients	Jessica Rodriguez	USA
	Tyler Williams	USA
	Ryan Turner	USA

	Olivia Baker	USA
ByteBusters	Alex Johnson	USA
	Emily Davis	USA
	Brandon Smith	USA
Cyber Koalas	Ethan Smith	Australia
	Isabella Wong	Australia
	Jackson Mitchell	Australia
Aussie Innovators	Mia Anderson	Australia
	Connor Harris	Australia
	Ava Taylor	Australia
	Riley Williams	Australia
WindmillWizards	Daan Peters	Netherlands
	Lotte Visser	Netherlands
	Timo de Boer	Netherlands
	Esmee van Leeuwen	Netherlands
ByteBridges NL	Lisa van der Berg	Netherlands
	Jasper de Vries	Netherlands
	Anouk Jansen	Netherlands
DutchCodeDynasty	Thijs van Dijk	Netherlands
	Emma Bakker	Netherlands
	Lars van Rijn	Netherlands
	Sanne Hendriks	Netherlands
CodeParisians	Antoine Leclerc	France
	Camille Dubois	France
HexaTech Savants	Olivier Moreau	France
	Elodie Martin	France

	Jules Lefevre	France
FrenchInnovators	Sophie Renaud	France
	Pierre Laurent	France
	Alexandre Dupont	France
MapleHacks Collective	Alex Smith	Canada
	Emily Chen	Canada
CanCode Innovators	Liam Patel	Canada
	Olivia Nguyen	Canada
	Jordan MacDonald	Canada
PoutineProgrammers Team	Ethan Tremblay	Canada
	Sophia Harper	Canada
	Xavier Roy	Canada
CodeIberia Innovators	Javier García	Spain
	María López	Spain
TechEspaña Geniuses	Miguel Rodríguez	Spain
	Ana Martínez	Spain
	Carlos González	Spain
	Laura Sánchez	Spain
HacksHispania Wizards	Alejandro Pérez	Spain
	Isabel Fernández	Spain
	Sergio Torres	Spain

Timeline:

Time	Contents
24th February 2024	
3:00pm	Inauguration ceremony
4:00pm	Hackathon Begins
6:30pm – 8:00pm	Mentoring Session
25th February 2024	
8:30am - 10:00 am	Judging Round 1
4:00pm – 5:30pm	Judging Round 2
6:00 pm	Final Results

Day 1: 24th February 2024

24th February at 3:00 pm

The inauguration ceremony featured inspiring addresses from prominent figures including the college principal and distinguished chief guests, setting the stage for innovation and collaboration throughout the hackathon. Participants were welcomed with words of encouragement, emphasizing the importance of teamwork and creativity in addressing real-world challenges. A symbolic lighting of the lamp marked the official start of the hackathon, igniting a spirit of determination and enthusiasm among attendees.

24th February at 4:00 pm

With spirits high, teams embarked on their coding journey, fuelled by creativity and determination, as they delved into problem-solving and software development. Collaborative brainstorming sessions ensued as teams formulated strategies and outlined project scopes, leveraging each member's unique skills and expertise. The workspace buzzed with activity, with teams exchanging ideas, sharing resources, and troubleshooting technical hurdles to kickstart their projects.

24th February at 6:30pm – 8:00 pm

Expert mentors from diverse fields offered valuable insights and guidance to teams, fostering a supportive environment for skill enhancement and project refinement. Teams engaged in one-on-one consultations with mentors, seeking advice on technical implementation, project management, and presentation strategies. Mentors shared personal anecdotes and professional experiences, inspiring teams to push the boundaries of innovation and strive for excellence in their solutions.

Day 2: 25th February 2024

25th February at 8:30am - 10 am

Teams presented their initial prototypes to a panel of discerning judges, showcasing their ingenuity and problem-solving prowess, seeking constructive feedback to iterate and improve. Nerves and anticipation filled the presentation rooms as teams eloquently pitched their ideas, highlighting key features and demonstrating functionality. Judges posed thought-provoking questions and provided actionable feedback, challenging teams to refine their solutions and push their creativity to new heights.

25th February at 4:00 pm - 5:30 pm

Building upon feedback from the first round, teams polished their solutions, demonstrating resilience and adaptability, striving for excellence in their final presentations. Iterative development cycles culminated in refined prototypes and compelling demonstrations, showcasing the evolution of each team's project. Teams engaged in spirited discussions with judges, articulating their decision-making processes and showcasing the impact of their solutions on addressing real-world challenges.

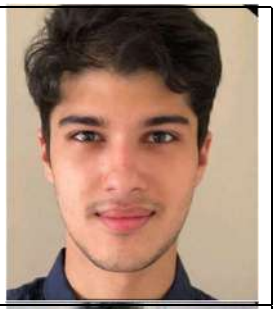
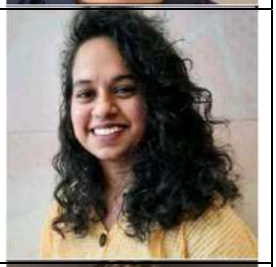
25th February at 6:00 pm

Anticipation reached its peak as the top-performing teams were announced, recognizing their innovation and dedication, culminating in a celebration of achievement and camaraderie among participants. Cheers echoed through the halls as teams celebrated their successes and reflected on their journey throughout the hackathon. Organizers expressed gratitude to participants, sponsors, and volunteers for their contributions, reaffirming the importance of collaboration and innovation in driving positive change.

Jury Panel Members:

Sr. No.	Name	Company	Photo
1.	**Ashok Son**	Senior Manager Product & Application Development at Conduent	
2.	**Rahul Pathak**	Head of Community at Dotnames and Contributor at Shardeum	
3.	**Irfan Abidi**	Working as SDE 1 at "JP Morgan Chase"	
4.	**Mario D'sa**	Senior Software Developer at Quantiphi	
5.	**Navil Rodrigues**	Full Stack Blockchain Developer, HackFS'23 Runner up and ETHIndia'22 Winner	

6.	**Rissa Chettiar**	Software Engineer at JPMorgan Chase & Co.	
7.	**Ali Mustufa**	Senior Developer Advocate, Postman	
8.	**Princeton Baretto**	Working as Senior Software Engineer at "BrowserStack"	
12.	**Nehal Kalnad**	Working as Senior Software Engineer at "Cimpress India"	
13.	**Yash Deshmukh**	Working as Software engineer 1 at "JP Morgan Chase"	

14.	**Ishaan Loomba**	Software Engineer at UBS	
15.	**Sakshi Shetty**	Software Engineer at JPMorgan Chase & Co.	
16.	**Anushka Pandey**	Commercial Banking at JPMorgan Chase & Co.	

Judging Process:

The judges had to provide marks out of 10 on the following 3 areas and marks out of 5 in the next 4 areas and give a collective score out of 50 for the participants:

1. Innovativeness of the proposed solution
2. Design
3. Functionality
4. Feasibility of proposed solution
5. Scale of Impact
6. User Experience
7. Demonstration

About Problem Statements:

In the BITNBUILD'24 hackathon, participants were tasked with addressing challenges presented in three distinct scenarios, each comprising three sub-problems. The objective was to derive real-world solutions using Minecraft tools, leveraging Minecraft data for analysis while providing applicable solutions for real-world problems.

Steve has defeated the Ender Dragon and now is in the Overworld (Earth) and is a Farmerand a Trader

a) Smart Inventory System

Steve aims to optimize his farming activities with a comprehensive Smart Inventory System. This system must intelligently manage seeds, tools, and resources for crafting tools and other farm-related items. Key challenges include designing an intuitive interface for efficient inventory management, implementing real-time tracking for seed and tool quantities, and integrating features for resource estimation and automated tool crafting suggestions.

b) Predictive Mob Behaviour Analysis and Farm Defence Optimization

Facing the challenge of hostile mobs in Minecraft, Steve wishes to implement Predictive Mob Behaviour Analysis to anticipate how different mobs might interact with his farm during the night. The objective is to proactively optimize farm defence mechanisms based on anticipated mob behaviours. Challenges include developing intelligent algorithms for analysing historical mob behaviour data, implementing real-time predictive analysis, and ensuring adaptability to evolving mob behaviours and different farm layouts.

c) Farm-to-Traders Tracking System

After a successful harvest, Steve aspires to establish a transparent supply chain for his farm yields. To achieve this, he needs a Decentralized Farm-to-Traders Tracking System that tracks the journey of his produce from the farm to traders. Challenges include implementing a decentralized ledger for transparent and tamper-proof supply chain tracking, developing smart contracts to automate and secure the tracking process, and ensuring the interoperability of the tracking system for seamless integration with traders and other entities in the supply chain.

Steve's Diamond Mining Expedition

a) Cave Exploration and Safety Monitoring System

Participants were required to develop a Cave Exploration and Safety Monitoring System to assist Steve in his diamond mining endeavours. This system needed to offer real-time information on cave terrain, potential dangers, and optimal paths for resource extraction. Challenges included designing an efficient user interface for cave navigation, implementing real-time safety monitoring for environmental hazards, and integrating algorithms to detect and alert Steve about the presence of hostile mobs.

b) Resource Extraction Optimization System

For enhanced resource extraction efficiency, participants were challenged to create a Resource Extraction Optimization System. This system was expected to analyse geological data, predict resource concentrations, and suggest optimal mining techniques to maximize yield and minimize tool wear. Challenges included developing intelligent algorithms for geological analysis, implementing real-time extraction optimization based on predictive modelling, and ensuring adaptability to different cave structures and varying resource distributions.

c) Resource Tracking and Verification System

In this scenario, participants were tasked with developing a Resource Tracking and Verification System to establish the legitimacy and provenance of extracted resources. This decentralized ledger would provide a tamper-proof record of each mined resource, ensuring transparency, authenticity, and facilitating secure trading or crafting. Challenges included designing a transparent and verifiable ledger system, implementing smart contracts for recording and validating mined resources, and ensuring interoperability for seamless integration with trading platforms and crafting systems.

Minecraft Wildlife Conservation

a) Virtual Wildlife Habitat Monitoring System

Participants were required to create a Virtual Wildlife Habitat Monitoring System to address the degradation of virtual wildlife habitats in Minecraft. The system should offer real-time data on wildlife populations, habitat health, and potential threats. Challenges included designing an intuitive interface, implementing algorithms for habitat health assessment, and integrating real-time updates to engage players in conservation efforts.

b) AI-Powered Wildlife Protection Rangers

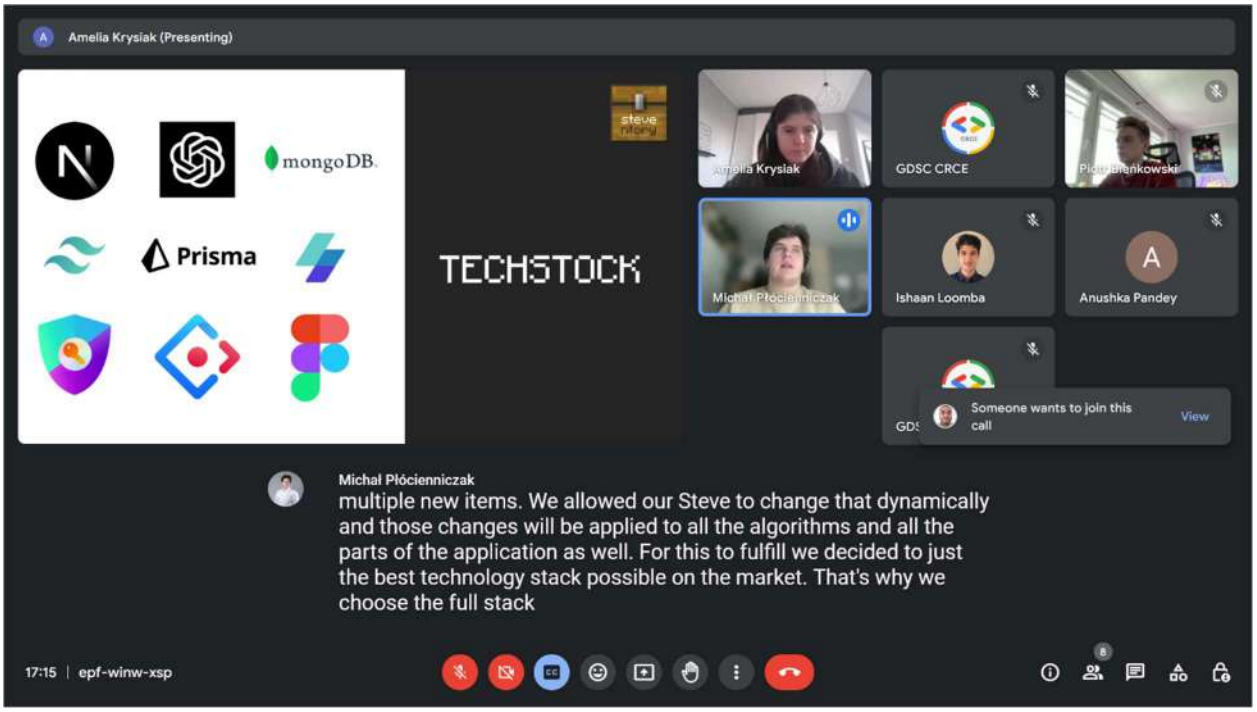
In response to threats posed by hostile mobs and player actions, participants were challenged to implement AI-powered Wildlife Protection Rangers in Minecraft. These autonomous entities would actively patrol and protect endangered species, intervening to prevent aggressive mob attacks and player actions endangering wildlife. Challenges included developing intelligent algorithms for Ranger threat recognition, implementing real-time intervention strategies, and ensuring adaptability to different virtual landscapes and wildlife behaviours.

c) Virtual Wildlife Census and Conservation Rewards System

Participants were tasked with developing a Virtual Wildlife Census and Conservation Rewards System to encourage player participation in wildlife conservation. This system aimed to incentivize players by conducting virtual censuses, reporting threats, and participating in habitat restoration initiatives. Challenges included designing a decentralized ledger for transparent wildlife census data, implementing smart contracts for player rewards, and ensuring interoperability for seamless integration with in-game rewards and achievements.

First Place

Second Place



Third Place

National Participants in Mumbai

Photobooth for participants

Prof. Kalpana Deorukhkar

(Teacher In-charge GDSC)

WEBINAR REPORT

Driving Innovation With Prompt Engineering To Harness The Power Of Gen AI

DATE: 06/04/2024

Mozilla Campus Club CRCE along with IIC-FrCRCE at Fr. Conceicao Rodrigues College of Engineering, Bandra, Mumbai, organized a webinar on 'Driving Innovation With Prompt Engineering To Harness The Power Of Gen AI'

Name of the event: Driving Innovation With Prompt Engineering To Harness ThePower Of Gen AI
Guest Speaker: Mr. Pushpak Chhajed (Senior Software Engineer at ClearGlass Analytics)
Date of Event: April 6th, 2024, 6 PM-7 PM
Location of the event: Online
Number Of Participants: 82

The webinar "Driving Innovation With Prompt Engineering To Harness The Power Of Gen AI," hosted by Mozilla Campus Club CRCE, explored the emerging field of prompt engineering and its implications in leveraging the capabilities of large language models (LLMs). With the increasing interest in developing LLMs, prompt engineering serves as a pivotal discipline for optimizing prompts to enhance the efficiency and effectiveness of language models across various applications and research domains.

The session commenced with Mr. Alfred providing an insightful introduction about the esteemed speaker.

Following were the topics covered in the webinar:

1. During the webinar, the speaker emphasized the importance of understanding prompt engineering, highlighting its pivotal role in unlocking the potential of large language models (LLMs). By mastering prompt engineering, researchers and developers can effectively optimize prompts to enhance performance across various tasks such as question answering and arithmetic reasoning.
2. Participants were provided with a comprehensive overview of LLM fundamentals, essential for laying the groundwork for prompt optimization techniques. Insights into the architecture and functioning of LLMs were shared, equipping attendees with foundational knowledge crucial for effective prompt engineering.
3. Delving into prompt engineering for users, the webinar underscored its significance in empowering users to interact seamlessly with language models, thereby improving user experience and task performance. Techniques for designing robust and efficient prompts were discussed, aimed at facilitating effective interfacing with LLMs and other tools.
4. Real-world examples showcasing the application of prompt engineering across diverse domains were presented, illustrating its tangible impact and significance. These

examples highlighted how prompt engineering techniques can be applied to address real-world challenges and drive innovation.

5. In discussing LLMs, various models such as OpenAI's GPT, Anthropic's Claude, X Ai's Grok, Mixtral AI's Mixtral, and Meta's Llama, among others, were mentioned. Moreover, key settings such as max length, temperature, top P, stop sequences, frequency penalty, and presence penalty were explored, providing attendees with insights into optimizing LLM performance.
6. The basics of prompting were elucidated, emphasizing the importance of specificity, clarity, context, formatting, and structured prompts. Techniques such as zero-shot prompting, few-shot prompting, chain-of-thought prompting, and prompt chaining were discussed to facilitate effective prompt engineering strategies.
7. The speaker also addressed LLM security concerns, including prompt injection, jailbreaks, data poisoning (also known as backdoor attacks), and denial of service vulnerabilities, underscoring the need for robust security measures in prompt engineering practices.

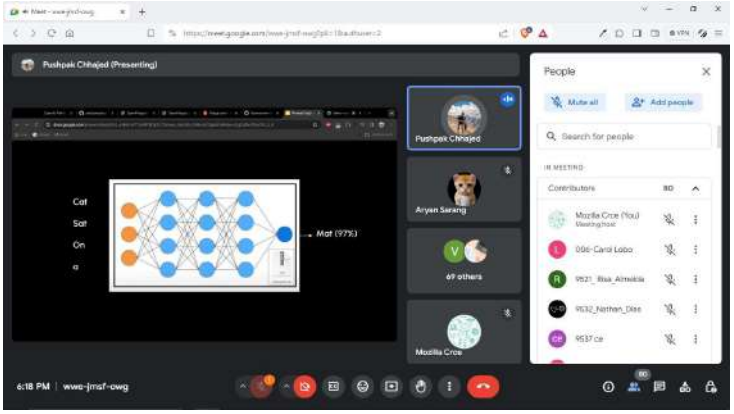
The webinar provided valuable insights into the evolving discipline of prompt engineering and its role in driving innovation within the realm of artificial intelligence. By equipping participants with essential skills and techniques, prompt engineering opens doors to new possibilities in leveraging the power of large language models for diverse applications and research endeavors.

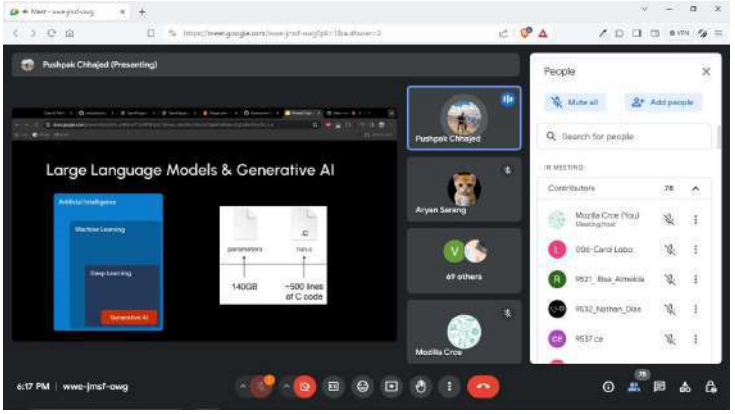
At the end of the sesion, a vote of thanks was given by Mr. Allan Monis followed by the participants interacting with the speaker.

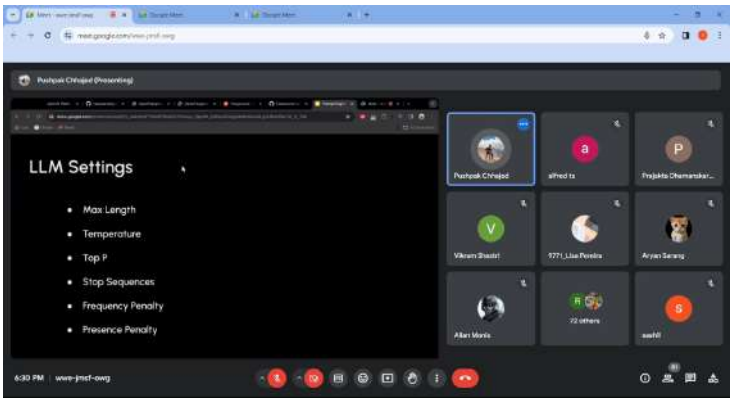
Report Written by: Vallen D'souza
(Documentation Head, Mozilla Campus Club CRCE)

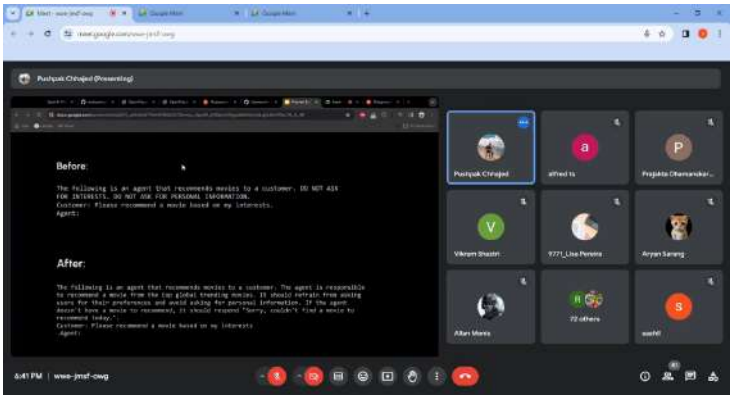
Prof. Prajakta Dhamnaskar
(Faculty In-charge)

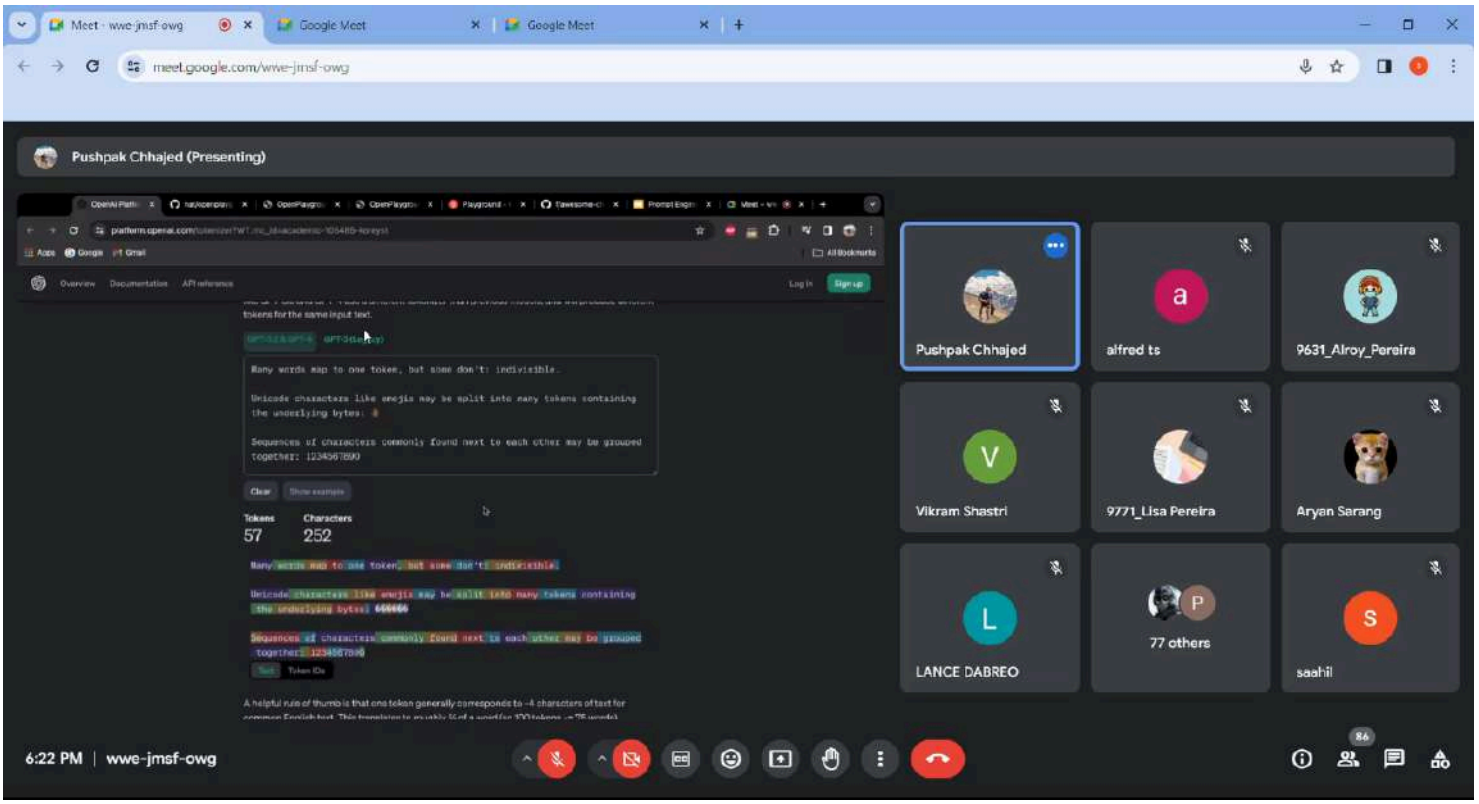
Images from the Webinar











Attendance Sheet Of Driving Innovation With Prompt Engineering To Harness The Power Of Gen AI

Participants	TE COMPS
9521_ Risa_Almeida	TE COMPS
9532_Nathan_Dias	TE COMPS
9537 ce	TE COMPS
9563_SanikaPatankar	TE COMPS
9565_Nimish_Patil	TE COMPS
9571_Crisell_Rodrigues	TE COMPS
9613_Divya_Junghare	TE COMPS
9631_Alroy_Pereira	TE COMPS
9638_Slayde_Sequeira	TE COMPS
9766_Devesh_Vengurlekar	TE COMPS
9771_Lisa Pereira	TE COMPS
aditya mahanwar	TE COMPS
Alex	TE COMPS
Arun Sanyal	TE COMPS
Crystal Fernandes	TE COMPS
EDEN EVELYN CHARLES	TE COMPS
Gaurav Joshi	TE COMPS
Gaurav Mishra	TE COMPS
Harsh Parmar	TE COMPS
Lloyd Louis	TE COMPS
Mozilla Crce	TE COMPS
Rahul Gandla	TE COMPS
Rianna Rebello	TE COMPS
Royce Dmello	TE COMPS
saahil	TE COMPS
Nicole Falcao	TE COMPS
Pearl Dsouza	TE COMPS
Sania Almeida	TE COMPS
saahil	TE COMPS
Sanika Rozario	TE COMPS
Seema Yadav	TE COMPS
Sharli Khot	TE COMPS
Vansh Thakkar	TE COMPS
Tejas Salvi	TE COMPS

Participants	TE AIDS
9693_AIDS_Suraj_ Bhatia	TE AIDS
9711_aids_Sharvin_ Gavad	TE AIDS
9742_AIDS_Akshat_Sarraf	TE AIDS
Abhijeet Basant	TE AIDS
Anwaya	TE AIDS
Arnav Pandita	TE AIDS
Bliss Dias	TE AIDS
crce_9750 Shulka Yadav	TE AIDS
Divyal Patil	TE AIDS
Shivprasad Premarajan	TE AIDS
Erin Fernandes	TE AIDS
Jaden Menezes	TE AIDS
Janet Nelson	TE AIDS
Jugal Vaishnav	TE AIDS
Myron Correia	TE AIDS
Nerice Rodrigues	TE AIDS
Praful Bharadia	TE AIDS
Sahil Khan	TE AIDS
Sanika Thakur	TE AIDS
Sheldon Chettiar	TE AIDS
Harshil Sansi	TE AIDS
LANCE DABREO	TE AIDS
Aryan Sarang	TE AIDS
Advait Raj Thakur	TE AIDS
Johnson Kaligithi	TE AIDS
Mahesh Saini	TE AIDS
NEERAJ YADAV	TE AIDS
Rutuja Prabhukocharekar	TE AIDS
PRINCE DABRE	TE AIDS
Steve Dabre	TE AIDS
Nevil	TE AIDS

Faculty Participants
Sujata Deshmukh
swati ringe
Prajakta Dhamanskar CRCE

Participants	External
Ankit Pandey	External
Vikram Shastri	External

Participants	SE
Alston Dsouza	SE AIDS
006-Carol Lobo	SE AIDS
Aishwarya Sreejith	SE AIDS
9890_Vallen Dsouza	SE COMPS
9921_hardik	SE COMPS
9932_Siran_Rodrigues	SE COMPS
Hardik Murudi	SE COMPS
9949_Mansi Chache	SE COMPS
alfred ts	SE COMPS
Allan Monis	SE COMPS

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
Fr. Agnel Ashram, Bandstand, Bandra (W),
Mumbai – 400 050

INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiative)
IIC-FrCRCE

EVENT REPORT

InnovateX 2024

DATE:19th April 2024 to 21st April 2024

Number of Participants: 25 Participants

About InnovateX:

InnovateX 2024 was an exhilarating celebration of World Innovation Day, orchestrated by the collaborative efforts of the GDA & ACM council. The event aimed to ignite a wave of transformative ideas, fostering diverse perspectives and catalyzing thought-provoking discussions to inspire actionable change. Participants, organized into teams according to their respective academic years, engaged in an intellectually stimulating competition designed to showcase their innovative prowess.

Event Details:

Participants were tasked with addressing problem statements encompassing both software and hardware challenges. Three problem statements revolved around software-based dilemmas, while two focused on hardware-related issues. The culmination of the event occurred on April 21st, 2024, as teams convened via Google Meet to present their ingenious solutions. Each team was granted a maximum of 15 minutes to articulate their ideas and proposals, encapsulating months of meticulous planning and collaborative effort.

Judges:

The panel of esteemed judges for InnovateX 2024 comprised luminaries in the field of innovation, drawn from the esteemed ranks of BE SIH (Smart India Hackathon) winners. Mr. Santo Sunny and Mr. Meet Satra, renowned for their exemplary contributions to the realm of innovation, presided over the event, lending their expertise and discerning insight to evaluate the participants' presentations.

Winners of the Event:

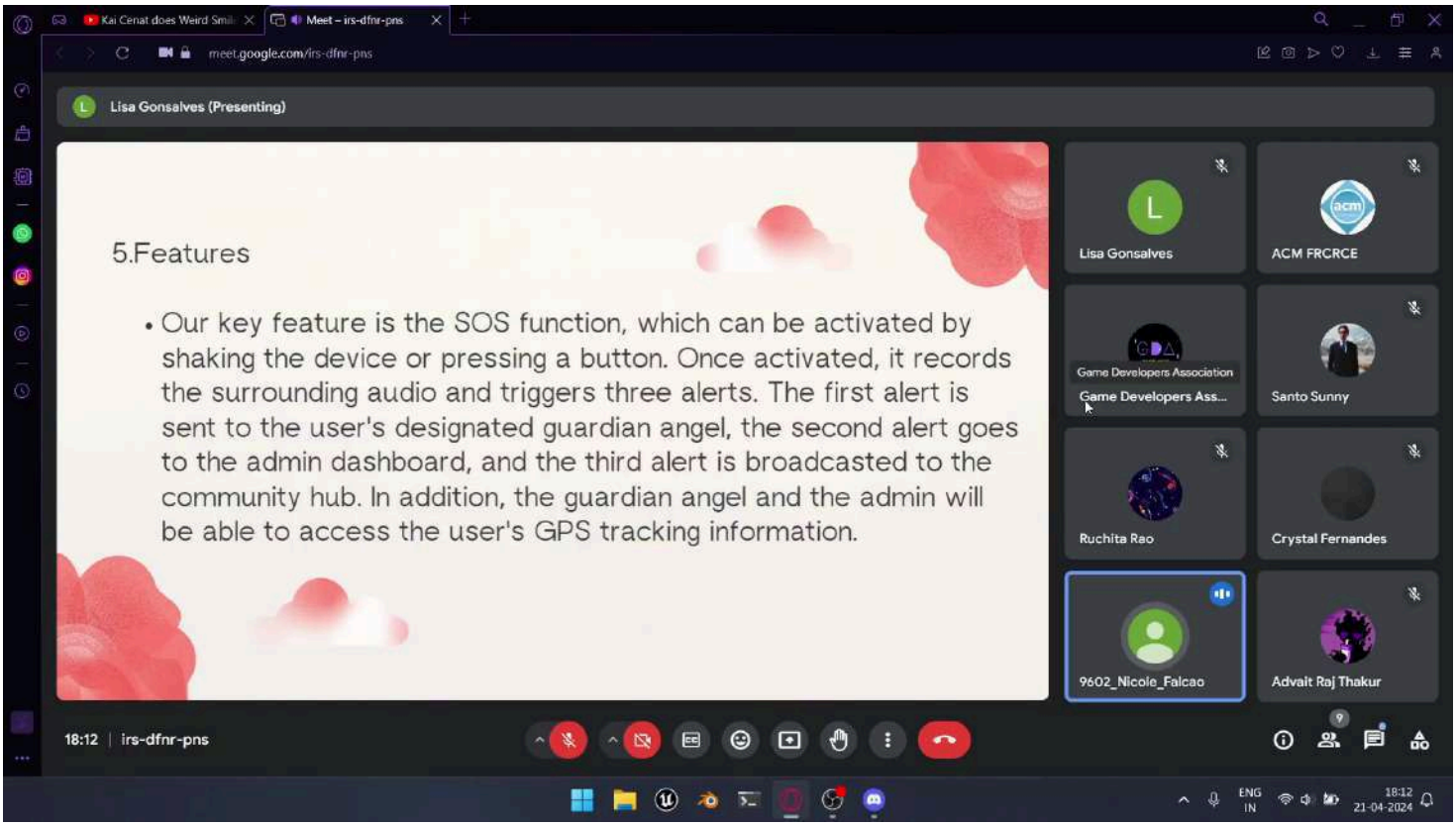
Third Year (TE): Team Rakshak

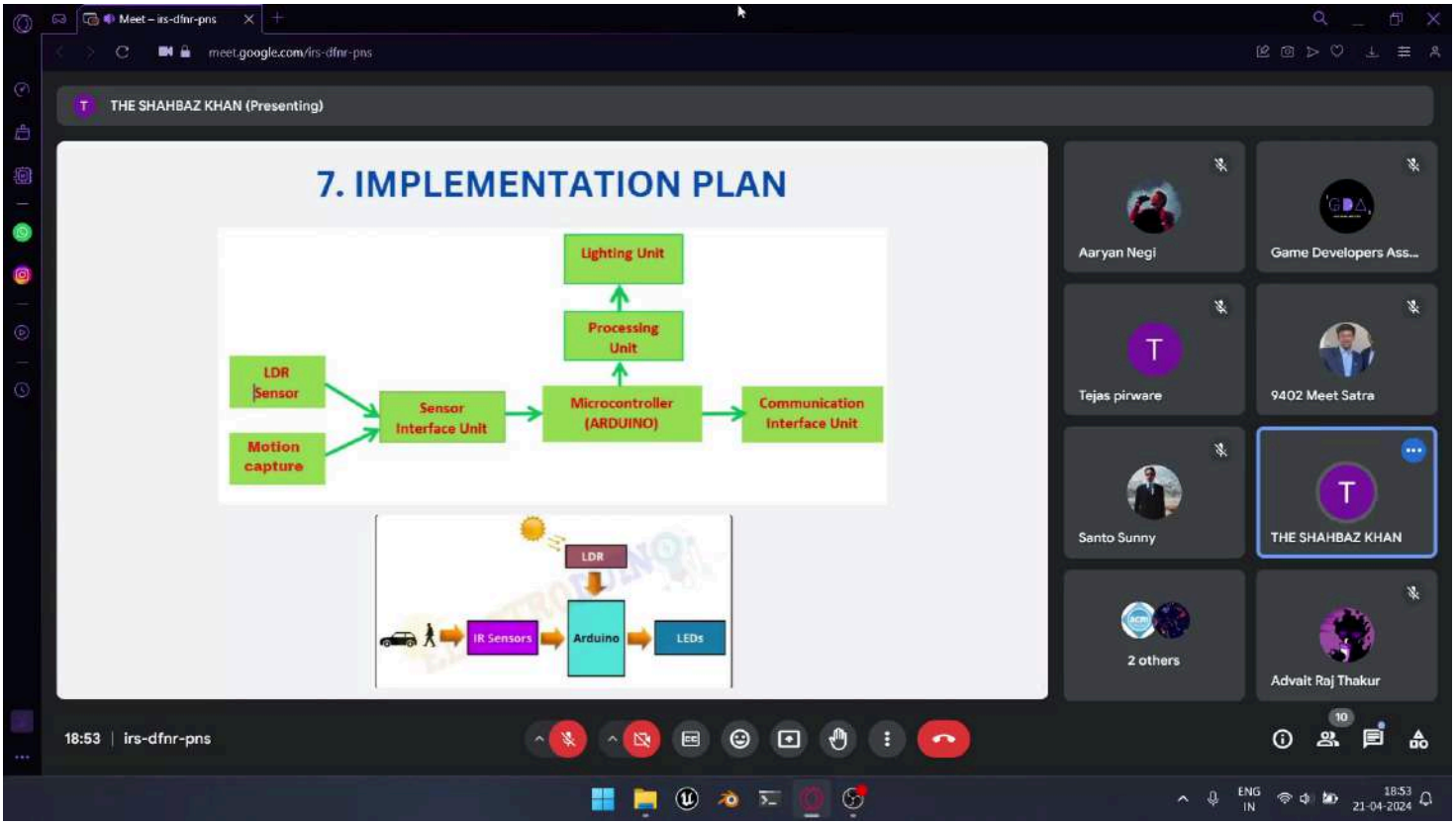
Second Year (SE): Team Tech Titans

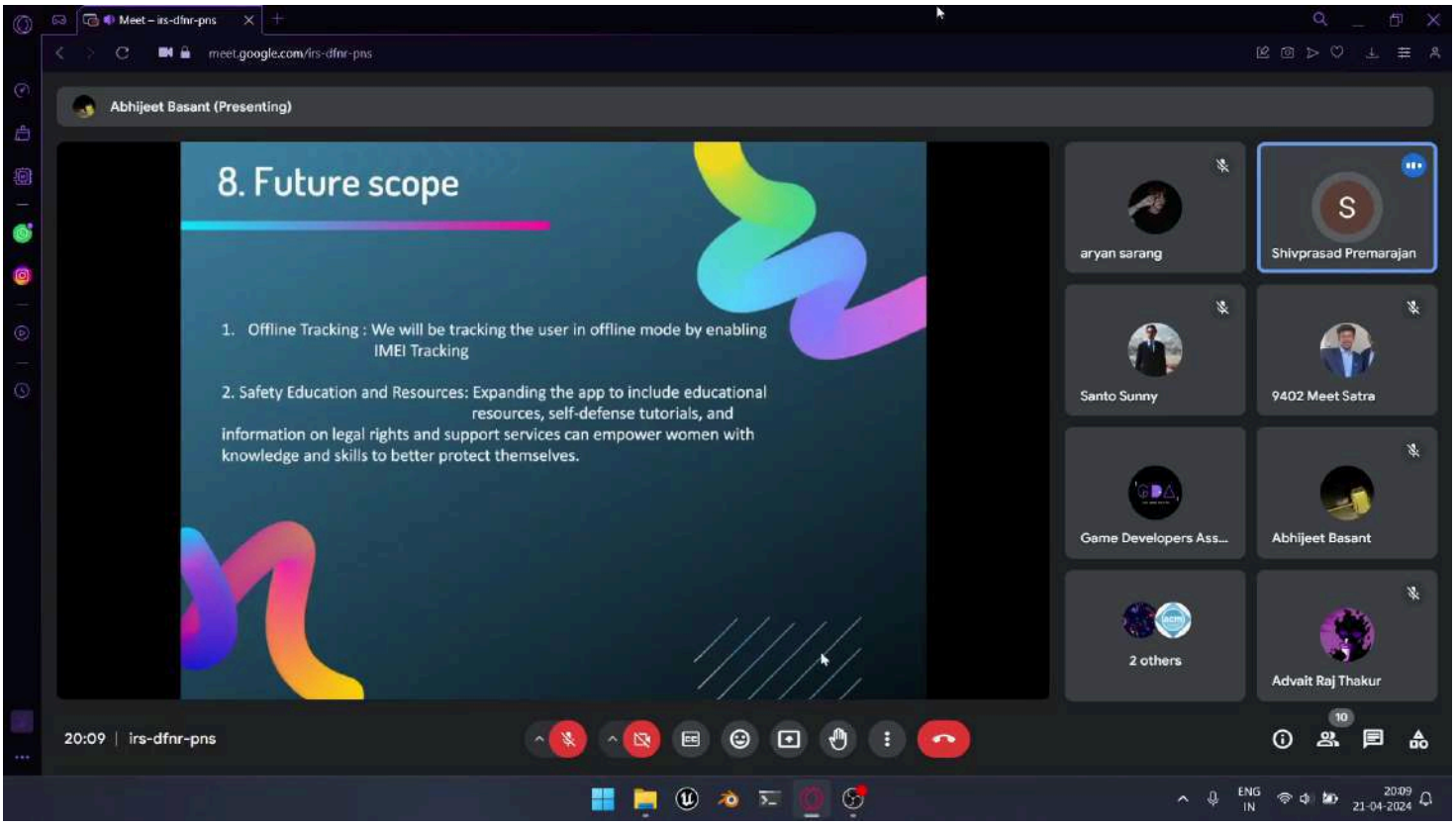
First Year (FE): Team SAP

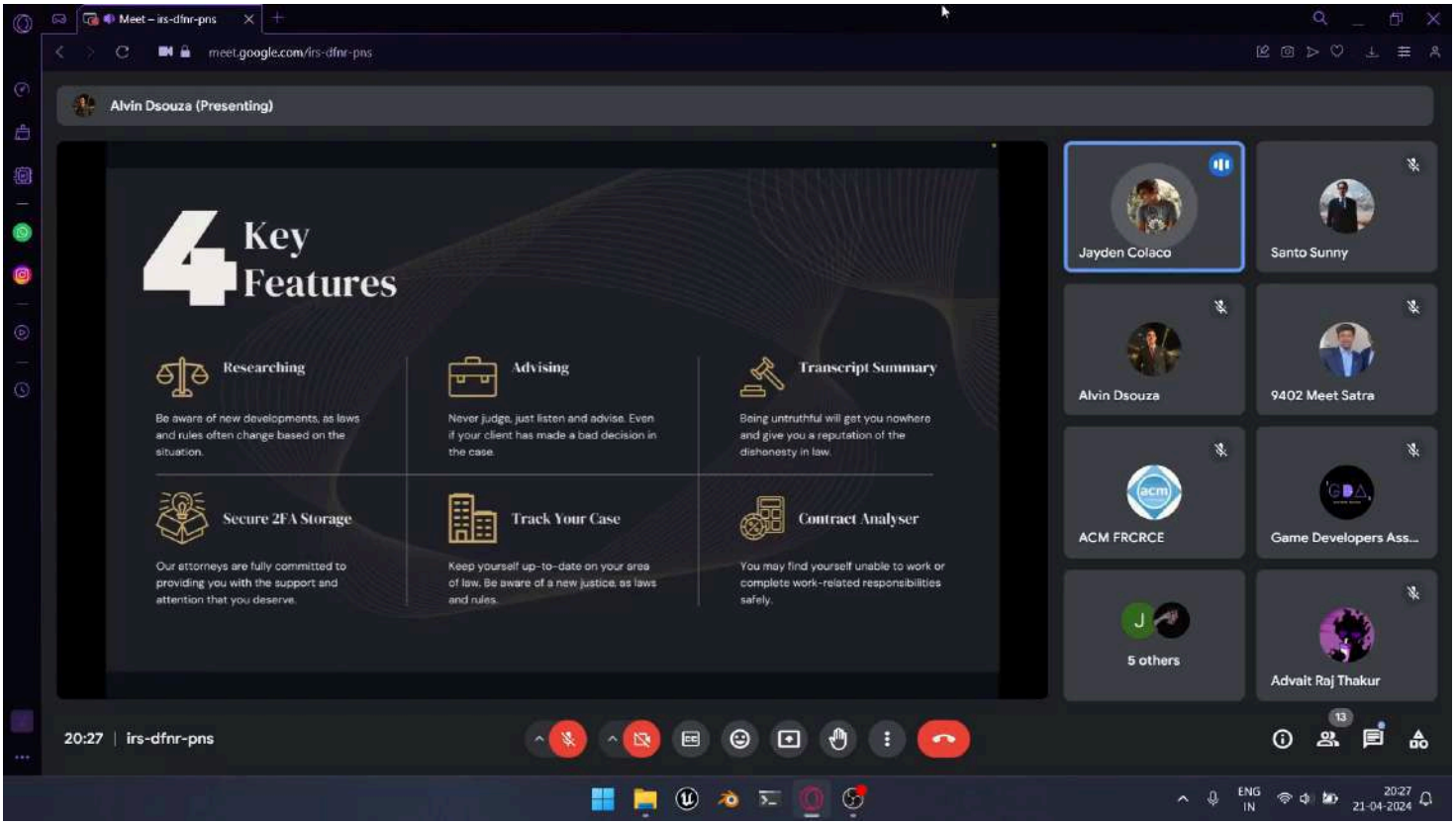
These teams distinguished themselves through their ingenuity, creativity, and the practical applicability of their solutions, embodying the spirit of innovation that defines InnovateX 2024.

Some of the snapshots from the Event :




Meet – irs-dfnr-pns
meet.google.com/irs-dfnr-pns
THE SHAHBAZ KHAN (Presenting)
7. IMPLEMENTATION PLAN
Lighting Unit
Processing Unit
LDR Sensor
Motion capture
Sensor Interface Unit
Microcontroller (ARDUINO)
Communication Interface Unit
LDR
IR Sensors
Arduino
LEDs
Aaryan Negi
Game Developers Ass...
Tejas pirware
9402 Meet Satra
Santo Sunny
THE SHAHBAZ KHAN
2 others
Advait Raj Thakur
18:53 | irs-dfnr-pns


Meet – irs-dfnr-pns
meet.google.com/irs-dfnr-pns
Abhijeet Basant (Presenting)
8. Future scope
1. Offline Tracking : We will be tracking the user in offline mode by enabling IMEI Tracking
2. Safety Education and Resources: Expanding the app to include educational resources, self-defense tutorials, and information on legal rights and support services can empower women with knowledge and skills to better protect themselves.
aryan sarang
Shivprasad Premarajan
Santo Sunny
9402 Meet Satra
Game Developers Ass...
Abhijeet Basant
2 others
Advait Raj Thakur
20:09 | irs-dfnr-pns



Attendance/Participations Details

Team name	Team Leader name	Team Leader contact info	Team Leader's Class	Team Leader's Branch	Problem Statements	Team Member 2 Name	Team member 3 Name	Team member 4 name
sheCoders	Crystal Fernandes	9.32E+09	TE	Comps	Women safety app	Lisa Gonsalves	Nicole Falcao	-
Secure Sphere	Armaan Shaikh	8.59E+09	SE	AI&DS	Women safety app	Raiyan Shaikh	Zebin Anil	Shruti Shirvatkar
TEMECH	Aaryan Negi	98200 79897	TE	Mech	Automated Public Lighting	Shahbaz Khan	Tejas Pirware	
SAP	Saloni	8.93E+09	FE	ECS	Women safety app			
IntelliDocs Legal	Akshat Mathur	9.14E+09	TE	ECS	AI-powered Legal Documentation Assistant	Shubham Shanbhag	Ashwin Shukla	
tech tietans	joyvin mendonca	97684 77560	SE	Comps	AI-powered Legal	alvin dsouza	Jayden Colaco	Zane Fernandes
ZenithZest	Rudalph Gonsalves	7.25E+09	TE	Comps	AI-powered Legal Documentation Assistant	Jonathan Dabre	Alroy Pereira	Zane Falcao
Rakshak	Abhijeet Basant	9.87E+09	TE	AI&DS	Women safety app	Shivprasad Premarajan Chavarattil		

Team Presentation Recording for the event are on the following link :

https://drive.google.com/drive/folders/11uN-4xpGDJsrNmv1Jzm9asepQo6FUpzd?usp=sharing

Teacher Incharge

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Website: sites.ieee.org/sb-crce, Email: ieee.crce@gmail.com
IEEE Women in Engineering WIE CRCE #60351

'PRAKALP 2.0' – A project competition organised by IEEE-WIE CRCE

Event name: PRAKALP 2.0
Date: 16th April 2024
Venue: Fr. Conceicao Rodrigues College of Engineering, Bandra

PRAKALP 2.0, a project competition organized by the Institute of Electrical and Electronics Engineers (IEEE-CRCE) and the Women in Engineering (WIE-CRCE) affinity group, took place on April 16th 2024 at Fr. Conceicao Rodrigues College of Engineering from 9:00 am to 4:30 pm.The competition aimed to provide a platform for students to showcase their innovative projects in the Hardware and Software Category and foster collaboration and network within the engineering community.

The project competition successfully concluded, fostering innovation and collaboration among aspiring technologists. The registration period commenced on March 15th and closed on April 1st.

Round 1: Online Project Submission

During Round 1, teams participated in an online format. By April 8th, they were required to submit a comprehensive project description encompassing a detailed report and a video showcasing their working model. An online evaluation process was conducted to shortlist the projects for the next round. All the online evaluation and shortlisting were done at **"UNSTOP"**

Round 2: Final Presentations

80 teams were shortlisted from Round 1, advancing to the final round held at Fr. Conceicao Rodrigues College of Engineering in Bandra. This final round provided an exciting platform for shortlisted teams to present their projects in person, demonstrating their ingenuity and expertise to a distinguished panel of judges. The competition was divided into two categories: hardware and software, the judging panel comprised of:-

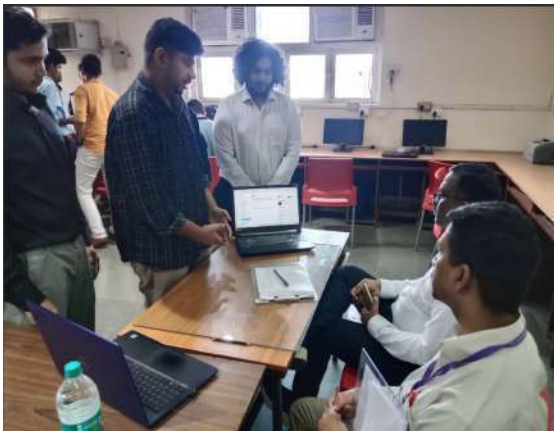
Judges for hardware domain:

1) Prof. Akhil Masurkar (External)
2) Prof. Ruchira Jadhav (External)
3) Prof. Prashant Kasambe (External)
4) Mr. Advait Marde (External)

Judges for software domain:

1) Dr. Archana Shirke (External)
2) Dr. Kailas Devadkar (External)
3) Prof. Kalpana Deorukhkar (Internal)
4) Prof. Saurabh Kulkarni (Internal)

The judging round started at 11:00 am for both categories. The judges engaged the teams in discussions concerning their project, future potential, commercial feasibility etc. The judges recorded the scores on provided grading sheets and gave valuable feedback for the participant



Lunch was given to all the participants. After the lunch break the judging round continued till 4:00 pm. All the teams were invited to the seminar hall to witness the esteemed Principal and the judging panel acknowledge and celebrate their achievements. Words of encouragement and recognition were bestowed upon each team for their dedication in showcasing their innovative projects. The prize pool for the competition was Rs. 80,000.

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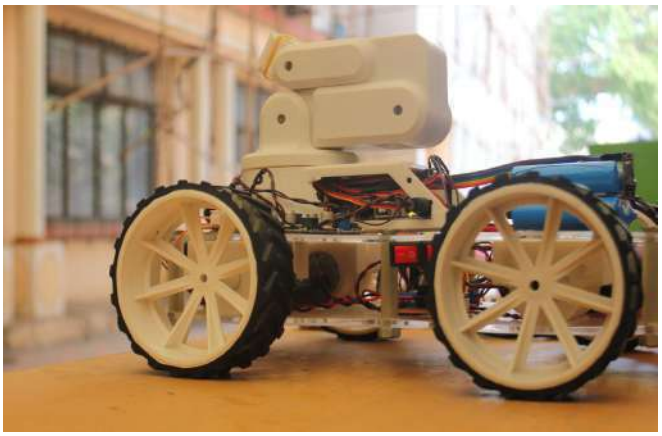
Website: sites.ieee.org/sb-crce, Email: ieee.crce@gmail.com
Branch Code #60351

The Winners of Hardware category were:

1) Kaali Peeli - DJ Sanghvi
2) Agri Deva - DJ Sanghvi
3) Dynamic Enthusiasts - Godavari College of Engineering, Jalgaon
4) ARK - Fr. Conceicao Rodrigues College of Engineering (FRCRCE), Mumbai



<u>The Winners of Software category were:</u>

1) Viksit - Sardar Patel Institute of Technology (SPIT), Mumbai
2) Found404 - Vidyalankar Institute of Technology (VIT), Mumbai
3) Nice Vibers and SWAR - Fr. Conceicao Rodrigues College of Engineering (FRCRCE), Mumbai
4) Decode345 - Fr. Conceicao Rodrigues College of Engineering (FRCRCE), Mumbai

Overall, the IEEE & WIE PRAKALP-2024 competition proved to be a resounding success, igniting a passion for technological advancements and empowering the next generation of innovators.

Report - SemiCode

SemiCode is a PAN-India coding competition that is carried out over several rounds where students try and crack simple coding problems based on Data Structures and similar topics. This event was a pan mumbai coding competition conducted by 5 chapters of ACM. These chapters were from FR.CRCE, MPSTME,MHSSCOE, SNDT, and MHSSCE. The competition was held in two rounds. The first round was conducted in online mode and the second round was conducted in offline mode at MPSTME college. The prize pool for this event was RS 1 Lakh plus goodies.

It is a tag team coding contest in Mumbai, organized by ACM MPSTME at NMIMS Mumbai, in collaboration with ACM-W SNDT, ACM MHSSCOE, ACM BVDUDET and ACM CRCE. It brings together the brightest competitive coders of the city to test their problem-solving, time management, and teamwork skills!

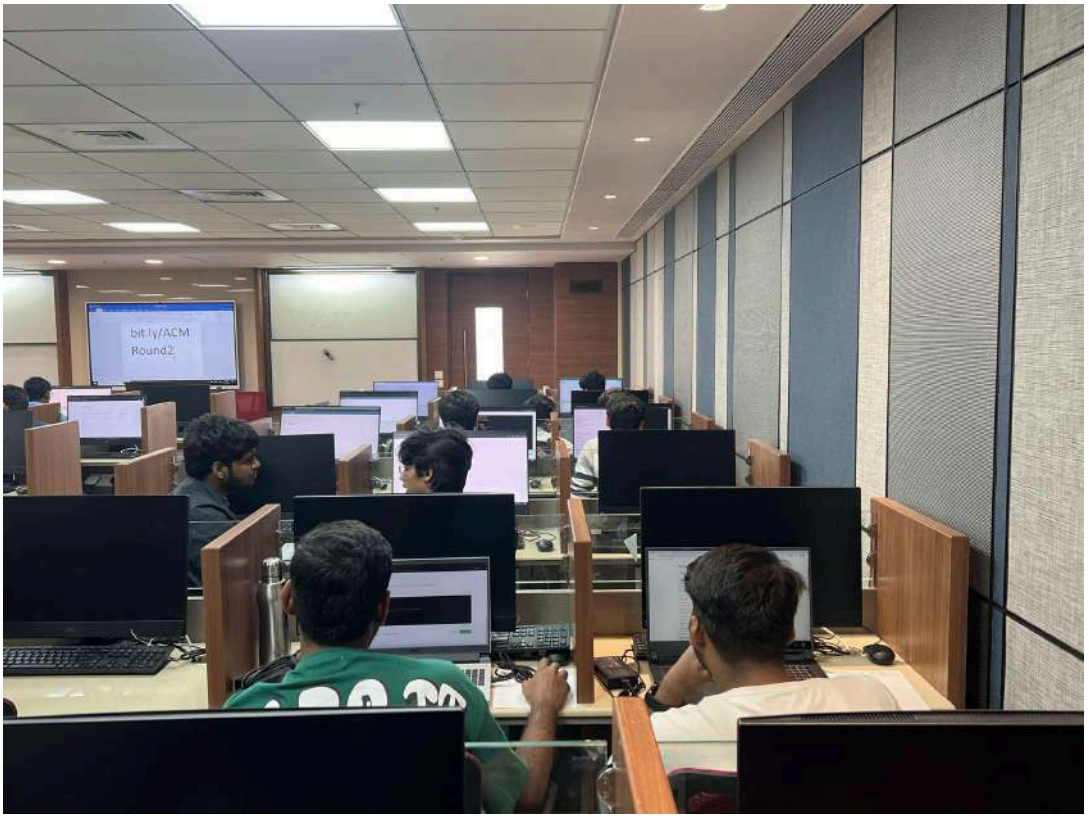
Students are teamed-up in groups of two and try to solve for the competition. The first round was conducted on 15th March 2024 where we had about 130 teams . The second and final round was conducted on 17th March where the teams qualifying from the first participated. All the three rounds were conducted on Hackerrank and the communications with the teams was carried out through WhatsApp and a Discord channel on the first day and on the second day the teams had to come to the college of MPSTME. All the participants were also provided with certificates for participation.

All the council members worked hard to successfully organize and manage the flow of the event. We received a lot of positive feedback for the successful completion of the event.

This is our event website:

https://mpstme.acm.org/

Some of the snapshots of the event are :



Divyal Patil
(Vice-Chairperson)

Prof. Sarika Davare
(Faculty in-charge)

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai – 400 050

SEMINAR REPORT

Session on Entrepreneurship and Innovation as a career opportunity

DATE: 05/09/2023

Mozilla Campus Club CRCE along with IIC-FrCRCE at Fr. Conceicao Rodrigues College of Engineering, Bandra, Mumbai, organized a seminar on 'Entrepreneurship and Innovation as a Career Opportunity.'

Name of the event: **Entrepreneurship and Innovation as a career opportunity**

Guest Speaker: Prof. Garima Tripathi, Department of AI and DS, FrCRCE

Date of Event: September 5th, 2023, 11 AM-12 PM

Location of the event: 8th floor, 807

Number of Faculty members attended: None

Number of Students attended: 53

The event was organized for the students of SE AI and DS.

The objective of this seminar was to generate students' interest in Entrepreneurship and Innovation and to motivate them to come up with innovative ideas to make a better future.

The session began with an engaging introduction via a video on innovation. The speaker emphasized the critical importance of innovation, highlighting the distinction between invention and innovation. They then discussed various types and categories of innovation, providing a well-rounded perspective on the subject.

Following were the topics covered in the seminar:

Meaning of Innovation: Innovation is defined as the process of creating something new that results in a substantial impact. The speaker emphasizes that an idea, when implemented to create a meaningful effect, can be termed innovation. It is a crucial driver of progress and growth in various sectors.

Importance of Innovation: The speaker underscores the importance of innovation in staying competitive in the market. It explains that innovation is essential due to the shrinking product life cycles and the need to adapt to changing consumer demands. Brands like Apple are cited as examples of companies that consistently introduce innovations to maintain their market presence. A lack of innovation in such large companies can create a global impact.

Difference Between Invention and Innovation: The speaker provided a clear distinction between invention and innovation. Invention is characterized by having an idea and implementing it, whereas innovation goes a step further by not only implementing the idea but also creating a meaningful impact. Innovation, therefore, involves the three "I's" - Idea, Implementation, and Impact. The speaker further said that innovation is important because without innovation we will not be playing a major role in the market.

Types of Innovation: The three types of innovation were identified by the speaker:

1. **Process Innovation:** Involves continuous improvement in a product or process.
2. **Product Innovation:** Focuses on creating new or improved products.
3. **Customer Experience and Business Model Innovation:** Innovations related to how businesses engage with customers and adapt their models, such as the example of the Indian Premier League (IPL).

Categories of Innovation: The speaker discussed three categories of innovation:

1. **Incremental Innovation:** Refers to ongoing improvements in existing products.
2. **Architectural Innovation:** Involves modifications to the structure or design of a product.
3. **Disruptive Innovation:** Occurs when entirely new technologies or products challenge and replace existing models.

In the last segment of the seminar, the speaker showed different innovative ideas for products and Industry 4.0 pillars of future innovative technologies and provided valuable insights into the world of innovation and entrepreneurship, emphasizing their importance in shaping the future of various industries.

After the session, a vote of thanks was given by Mr. Piyush Bhartiya followed by the participants interacting with the speaker.

Report Written by: Vallen D'souza
(Documentation Head, Mozilla Campus Club CRCE)

Images from the Seminar

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai – 400 050

INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)
IIC-FrCRCE

Institute Innovation Council –Fr.CRCE (Mumbai)

Student Attendance

Session Topic: Entrepreneurship & Innovation As A Career Opportunity **Date:** 5th Aug '23

Sr. No.	Roll Number	Name	Department	Signature
1	10059	Mohammed Tufail	AIDS	
2	10102	Zebin Aiul	AIDS	Zebin
3	10064	Carol Lobo	AIDS	Carol
4	10065	Ramona Lobo	AIDS	
5	10049	Juvana D'souza	AIDS	Juvana
6	DSE	Harsh Keni	AIDS	
7	10069	Clive Machado	Aids	
8	10094	Samarth Shetty	Aids	
9	10097	Aaron Sabaki	AIDS	
10	10050	Keith D'souza	Aids	
11	10051	Leroy D'souza	AIDS	
12	10062	Ameya Khedekar	AIDS	AKhedekar
13	10081	Abdussami Qazi	AIDS	
14	10086	Chaitanya Rele	AIDS	Chaitanya
15	10073	Kaustubh Naty	AIDS	K. Naty
16	10061	Varah Kadam	AIDS	
17	10078	Vidit Patil	AIDS	
18	10057	Riona Gonsalves	AIDS	
19	10042	Swaranjali Bodhi	AIDS	
20	10052	Joshua D'silva.	AIDS	
21	10100	Max Berlin	AIDS	
22	10101	Harsh Vishwakarma	AIDS	

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai – 400 050

INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)
IIC-FrCRCE

Institute Innovation Council –Fr.CRCE (Mumbai)

Student Attendance

Session Topic: Entrepreneurship & Innovation As A Career Opportunity **Date:** 5th SEPT '23

Sr. No.	Roll Number	Name	Department	Signature
23	10066	Brett Lopes	AIDS	
24	10048	Jeff DSouza	AIDS	DSouza
~~28~~	~~10079~~	Chris Prize	~~AIDS~~	
25	10067	Bryan Lopes	"	Lopes
26	10089	Mitesh Sawant	"	
27	10090	Vatsal Shah	"	
28	10093	Parvesh Sharma	"	
29	10040	Piyush Bhartiya	"	
30	10082	Teresa Raj	AIDS	
31	10077	Anushka Patil	AI·DS	
32	10039	Aishwarya Sreejith	AI-DS	
33	10045	Sapurya Dey	AI-DS	
34	10054	Sarah Iyer	AIDS	
35	10091	Armaan Shaikh	AI DS	
36	10092	Raiyan Shaikh	AIDS	
37	10095	Shruti Shirvatkar	AI&DS	
	~~10087~~	~~Kevin Rozario~~	~~AIDS~~	~~Rozario~~
38	10046	Ibhaiz Diwan	AI&DS	Diwan

~~Reyan Dabre~~ ~~AI/DS~~
~~Sherwin Dmello~~ ~~AI/DS~~

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai - 400 050

INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)
IIC-FrCRCE

Institute Innovation Council –Fr.CRCE (Mumbai)

Student Attendance

Session Topic: Entreprenewship & Innovation As A Career Opportunity **Date:** 5th SEPT '23

	Sr. No.	Roll Number	Name	Department	Signature
39	1.	10043	Clawen Coutinho	AIDS	
40	2.	10088	Tejas Salvi	AIDS	
41	3.	10098	Darshil Sonawane	AI DS	
42	4.	10076	Smitesh Parvatkar	AI DS	
43	5	10085	Reth Rebello	AI DS	
44	6	10096	Aditi Singh	AIDS	
45	7	10068	Seanne Lopes	AI-DS	
46	8.	10044	Liniy Dcosta.	AI-DS	
47	9.	10074	Aelin Narareth	AI-DS	
48	10	10071	Jostan Mathias	AI-DS	
49	11	10083	Aditya Singh Rathord	AI-DS	
50	12	10047	Alston D'souza	AI-DS	
51	13	10075	Jeslin Palamuttam	AI-DS	
52	14	10063	Vighnesh Konas	AI-DS	
53	15	~~1008~~ 10072	Boney Mechery	AI-DS	

EVENT REPORT

Digital Transformation In Startups And Business.

DATE: 15/09/2023

Association of Computing Machinery at Fr. Conceicao Rodrigues College of Engineering, Bandra, Mumbai, organised a webinar on Digital Transformation In Startups And Business.

Name of the event: Digital Transformation In Startups And Business.

Guest Speaker: Dr. Shilpa Khandelwal

Date of event: September 15th 2023, 7.00 - 8.30 PM.

Location of the event: Google Meet

Introduction:

On 15th September 2023, ACM CRCE successfully organized a highly informative event on "Digital Transformation In Startups And Business" led by Dr. Shilpa Khadelwal from the Neville Wadia Institute of Management Studies and Research. The event aimed to guide attendees in leveraging digital transformation strategies to refine their product or service offerings, fostering growth and competitiveness in startups and businesses.

Key Topics Covered:

1. Introduction to Digital Transformation: Dr. Shilpa Khadelwal initiated the session by introducing the multifaceted process of digital transformation. She emphasized the pivotal role of embracing cutting-edge technologies like robotics, big data analytics, and AI to streamline operations and enhance customer experiences. This transformation often involves a shift from product-centric to service-oriented business models, with a focus on aligning operational models with evolving

technology and customer expectations. Dr. Khadelwal stressed the importance of harnessing customer data for personalized offerings and promoting employee engagement through collaboration tools and upskilling.

2. In the second part of her session, Dr. Khadelwal explored the five key domains of digital transformation, emphasizing their vital role as foundational pillars for successful initiatives: harnessing customer networks for brand loyalty and insights, building platforms for value creation, turning data into strategic assets, fostering innovation through rapid experimentation, and maintaining adaptability in the ever-changing business landscape.

3. Dr. Shilpa Khadelwal also highlighted key trends shaping the future of digital transformation, including the centralization of customer data through Customer Data Platforms (CDPs), the impact of 5G on connectivity and innovation, the growing importance of cybersecurity, the rise of hybrid cloud architecture, the transformative influence of Virtual Reality (VR) and Augmented Reality (AR), the role of Artificial Intelligence (AI) in automation and decision-making, and the potential of the Internet of Things (IoT) in generating data for insights and efficiency improvements, collectively providing opportunities for businesses to remain competitive in an evolving digital landscape.

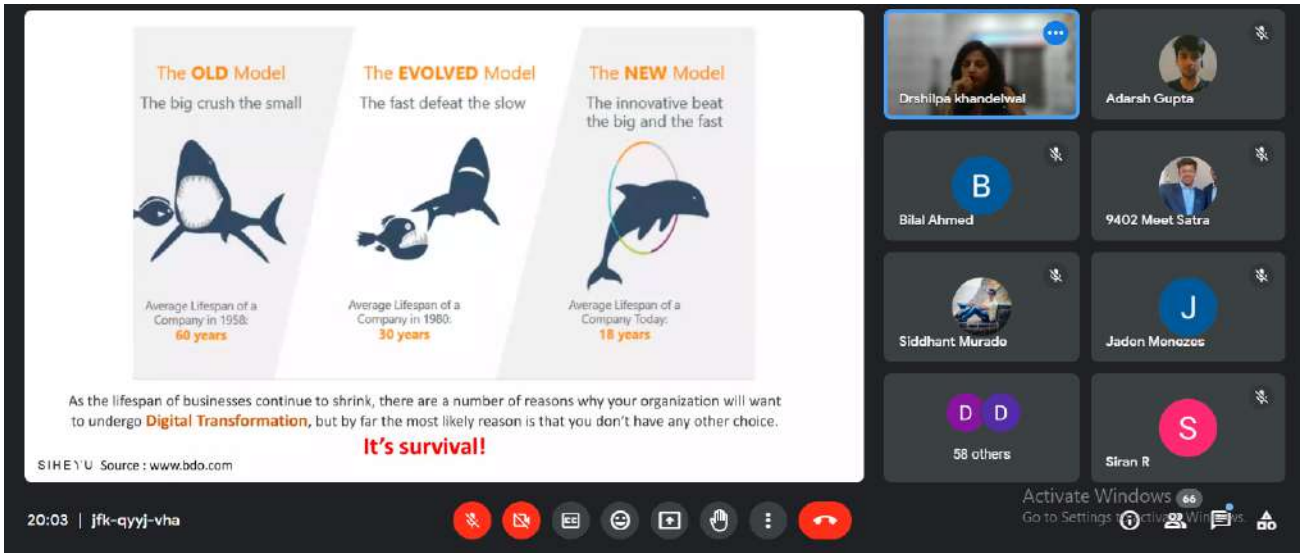
4. Real Case Studies: Gaining Practical Insights: Dr. Shilpa Khadelwal shared real case studies, including Amazon's transformation of the retail landscape and Airbnb's impact on the hospitality industry. By examining the experiences of these prominent companies, we gained invaluable insights into the challenges they faced, the innovative solutions they employed, and the strategic decisions that led to their digital success. These case studies served as powerful lessons for all attendees, highlighting the importance of adaptability, agility, and a forward-thinking approach in navigating the digital transformation journey. The event wrapped up with an interactive Q&A, where we engaged

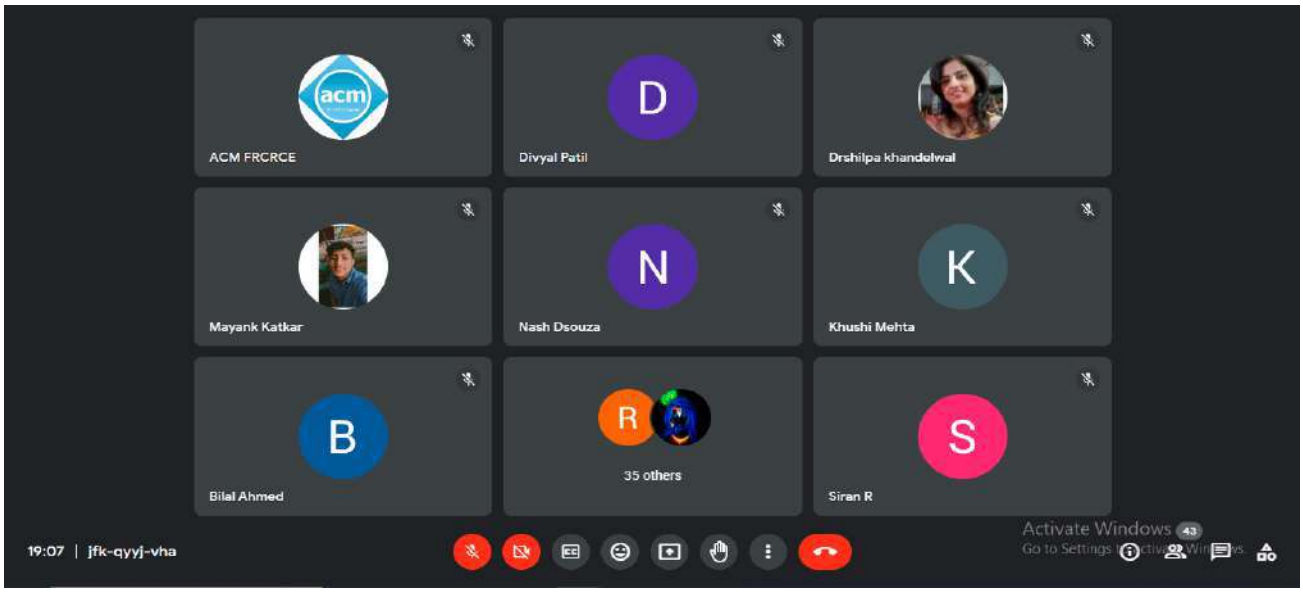
with Dr. Shilpa Khandelwal to navigate the dynamic business landscape with innovative insights and practical knowledge.

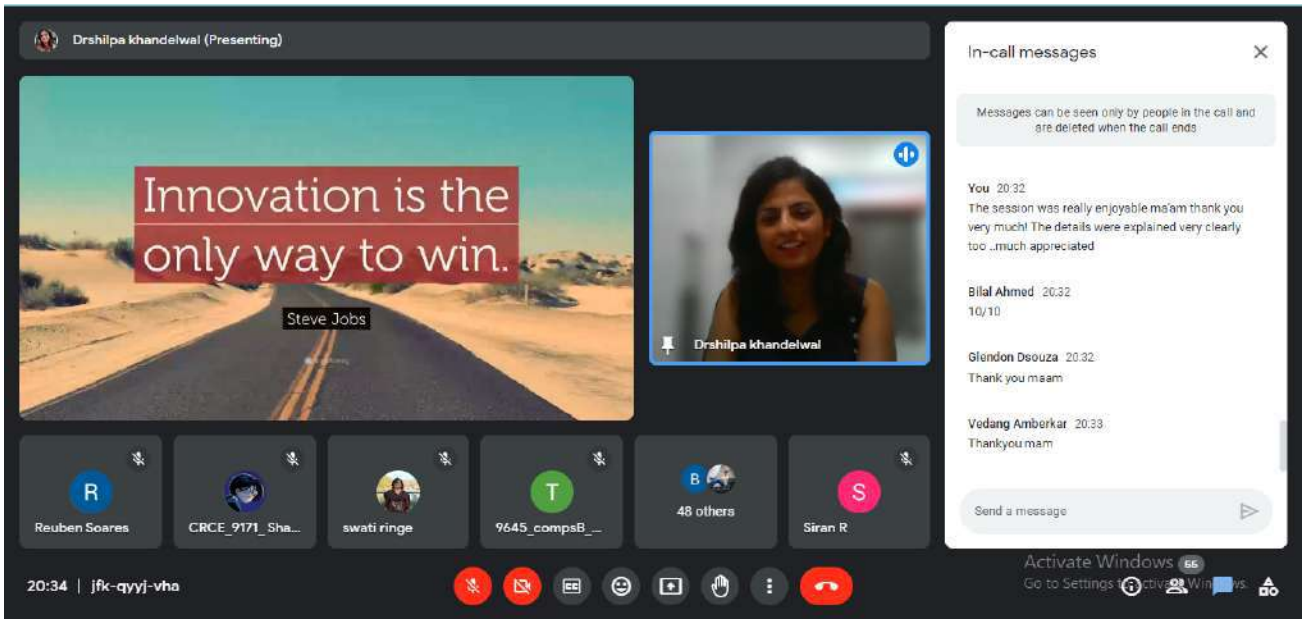
Conclusion:

The webinar on "Digital Transformation In Startups And Business," led by Dr. Shilpa Khadelwal was a success, leaving a lasting impact on all participants. Dr. Khadelwal's insights into the digital transformation landscape were invaluable, providing attendees with a deeper understanding of how technology is reshaping the startup and business landscape. We extend our sincere gratitude to Dr. Shilpa Khadelwal for her invaluable expertise and contributions, as well as to all participants for their enthusiastic involvement. The event not only explored the intricate concepts of digital transformation but also offered practical insights into how businesses can adapt and thrive in the digital age.

Below are a few snapshots of the event:-







Teacher Incharge

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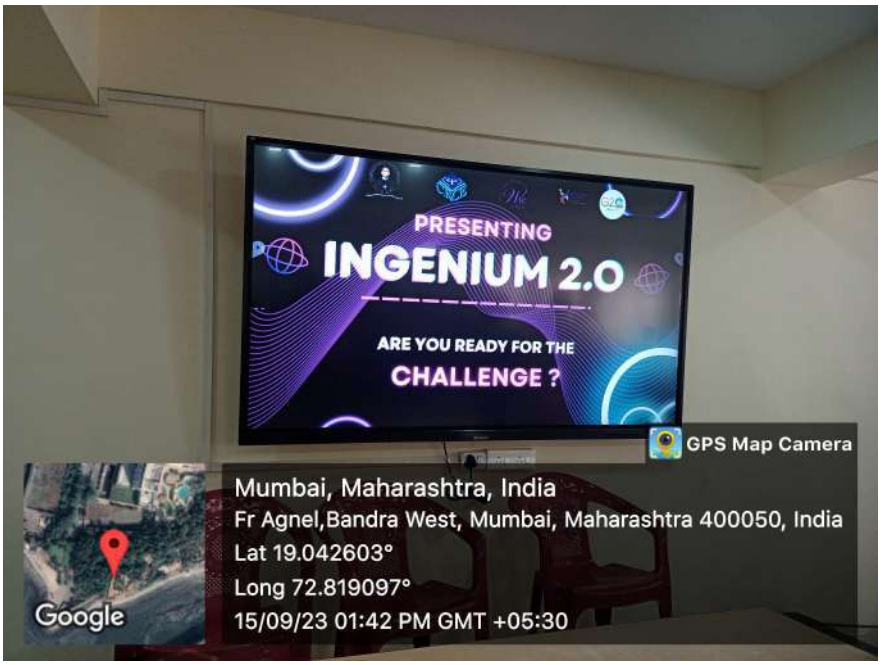
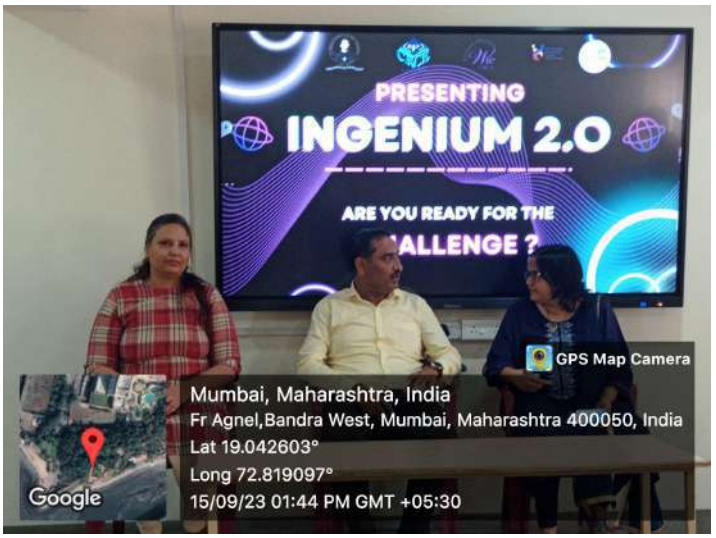
IIC-FrCRCE

WIE & IEEE CRCE organized a technical event 'INGENIUM 2.0' on Engineers Day for the academic year 2023-24

Event Name: Ingenium
Date: 15th September 2023
Venue: Fr. Conceicao Rodrigues College of Engineering, Bandra



On Engineers Day, September 15, 2023, Women in Engineering (WIE) and the Institute of Electrical and Electronic Engineers (IEEE) at Fr. Conceicao Rodrigues College of Engineering jointly organized a technical event named "INGENIUM 2.0" at the Seminar Hall from 1:00 pm to 4:00 pm. The event focused on "Innovative Solutions for Everyday Life" and aimed to foster innovation among students in addressing specific problem statements. Esteemed professors were invited to assess the students' approaches and solutions to these challenges.



A total of 15 teams participated, each composed of a maximum of five students representing various engineering branches. The event had a unique format, with 50% of the challenge focused on coding skills and the other 50% on innovative problem-solving. The problem statement was divided into two parts, with the first 50% revealed 24 hours prior to the event, and the remaining part unveiled at the start of the event. The event was conducted in an offline mode at the college, and the student's response was indeed commendable.

The event commenced at 1:00 p.m. with an enthusiastic introduction led by the Junior PR Head, Mrunali Tamhankar. She delved into the historical significance of Engineers Day and shed light on the roles and functions of WIE and IEEE as a council. The introduction was complemented by remarks from the principal, who underscored the significance of IEEE and shared his personal affiliation with the organization.

At 1:00 p.m., as the second part of the problem statement was released, the teams began working on their innovative solutions. They were equipped with internet access and necessary charging-related hardware.

The judging round commenced at 3:00 pm, featuring a distinguished panel of judges:

1. MS. PRACHI PATIL (Assistant Professor in the Department of Computers)
2. MR. VAIBHAV GODBOLE (Assistant Professor in the Department of ECS)
3. DR. VIJAY SHELAKE (Assistant Professor in the Department of Computer)

The judging criteria encompassed several aspects, including innovativeness, originality, usefulness, technical compatibility, and overall performance. Each judge meticulously assessed the projects and assigned marks accordingly.

The judging round spanned 60 minutes, during which the judges provided valuable feedback and guidance to the students for future improvements. This round concluded at 4:00 p.m.

The competition's winning team was Team[0], led by Slayde Sequeira, with team members Aston Castelino, Janice D'cruz, Mark Tuscano, and Chhand Chaughule. They received an award and hardcopy certificates in recognition of their achievement.

The second position was secured by the runner-up team, Bug Vanquishers, led by Emin Joy, with team members Lloyd Louis, Eshank Bele, and Hansel Dsilva.

The third position went to the runner-up team, Void main{}, led by Soham Parab, with team members Bryce Miranda, Sanket Mane, and Zane Fernandes.

All the winners received hardcopy winning certificates, along with additional goodies, while participation certificates were distributed to all participants.

The event concluded with Swapnali and Sushma Ma'am presenting a letter of appreciation to the judges, and Junior Documentation Head Raina expressing gratitude to all the participating students and teachers for their invaluable contributions to the event's success.

Prof. Swapnali Makdey
Branch Counsellor IEEE-CRCE

Prof. Sushma Nagdeote
Branch Counsellor WIE-CRCE

WORKSHOP REPORT

Workshop session on Usage of Modern Tools In AI/ML

Mozilla Campus Club CRCE at Fr. Conceicao Rodrigues College of Engineering, Bandra, Mumbai, organized one workshop on the Usage of Modern Tools in AI/ML.

Name of the event: Usage of Modern Tools In AI/ML

Guest Speaker: Mr. Neave Paul, STEM Enthusiast, B.E, FrCRCE

Date of Event: September 13th, 2023, 1:30-3:30 PM

Location of the event: Seminar Hall, 108

Number of Faculty members attended: 03

Number of Students attended: 98

The event was organized for TE students from the computer engineering department.

The session commenced with an informative discussion on the intersection of image processing and machine learning. The speaker then delved into the mechanics of neural networks and their myriad of potential applications. Furthermore, the audience was introduced to activation functions, with a specific focus on the logistic and sigmoid functions. To deepen understanding, the speaker proceeded to demonstrate the practical implementation of these functions in a simplified neural network featuring two inputs and one output. This insightful presentation set the stage for a deeper exploration of the topic.

Following were the topics of the session:

1. **Training Artificial Neural Networks**

This speaker covered the training of artificial neural networks. The speaker discussed using simulated pressure to predict community probabilities or sales. The training process using backpropagation was explained, focusing on adding multiple layers to the network. Additionally, a demonstration showcased TensorFlow's API library for training machine learning models on a dataset and efficiently deciding decision boundaries.

2. **Machine Learning for Image recognition**

The speaker focused on machine learning applied to image recognition and discussed leveraging neural networks for handwriting recognition in computer vision. Furthermore, the speaker emphasized the use of image contributions to enhance the efficiency of processing images in deep learning models. The speaker demonstrated the application of a matrix to an image to highlight important features. The discussion also included using the Eros API to create a sequential order and pool data.

3. **Training a machine learning model for image classification**

In this, the speaker delved into the process of training a machine-learning model specifically for image classification. The speaker explained the steps involved, including flattening and using dense layers. The discussion highlighted the extraction of features from an image using convolutional and pooling layers, identifying high-level objects such as edges and shapes. The model's accuracy improvement from 92% to an impressive 98.76% after training was underscored, with validation accuracy mentioned as a critical factor. The segment concluded with sharing a link to access data, focusing on emotional intersections in machine learning models.

4. **Machine Learning and Image Classification**

The speaker primarily addressed machine learning and image classification. It was emphasized that filtering is the initial step in the image classification process. The discussion then explored using machine learning to classify images, demonstrating how to find similar images and improve accuracy. The importance of validation accuracy was highlighted, and a demonstration showcased using a model to classify images and save results for future use. The potential of machine learning for image classification and its broad applicability across various industries was emphasized.

Images

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ALL BRANCHES AND YEARS
(EXCEPT TE COMPS A & B)

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Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai - 400 050

INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)
IIC-FrCRCE

Institute Innovation Council –Fr.CRCE (Mumbai)

1/3

Student Attendance

Session Topic: Usage of Modern Tools in AIML **Date:** 13/9/2023

Sr. No.	Roll Number	Name	Department	Signature
1	10058	KRUSHANG	AI&DS	
2	10093	DEVASHISH	AI&DS	
3	9722	Devendra	TE-AI/DS	Dev.K
4.	9723	Pritesh	AI&DS	
5.	9721	Sahil	AI&DS	Sahil
6	9741	Aryan Sawang	AI & DS	
7	9739	Mahesh Saini	AI & DS	
8	9746	Hemanshu Vaishnav	AIDS	
9	9747	Jugal Vaishnav	AIDS	
10	9744	Advait Raj Thakur	AIDS	
20	9745	Sanika Thakur	AI&DS	
21	10054	Harsh Iyer	AIDS SE	
22	10087	Kevin Rozario	AIDS SE	
23	9875	Craig Zalake	ECS SE	
24	9726	Neil Naikod	AIDS TE	
25	9735	Aloysius Rebello	AIDS TE	
26	9725	Jaden Menezes	AIDS TE	
27	9713	Blaise Gonsalves	AIDS TE	
28	9729	Rishabh Pathak	AIDS TE	
29	9696	Shivprasad. C.P	AIDS TE	
30	9731	Divyal Patil	AIDS TE	Patil
31	9689	Abhijeet Basant	AIDS TE	
32	9750	Shulka Yadav	AI DS TE	
33	9711	Sharvin Gavad.	AI DS TE	

3 Faculty.
Roshni Padate
Kalpana.

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INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)
IIC-FrCRCE

Institute Innovation Council –Fr.CRCE (Mumbai)

Student Attendance

Session Topic: Usage of Modern Tools in AIML **Date:** 13/9/23.

Sr. No.	Roll Number	Name	Department	Signature	
	9475	Punit Giri	TE ECS		GDSC
	9508	Shubh Shetty	TE ECS		GDSC
	9503	Shreya Sahoy	TE ECS		GDSC
	9728	Arnav Pandita	TE AIDS		GDSC
	9742	Akshat Sarraf	TE AIDS		GDSC
	9721	Sahil Khan	TE AIDS		GDSC
	9718	Aditya Kalambe	TE AIDS		
	9906	Azaan Khan	S.E. Comps A		TEDx
	10096	Aditi Singh	S.E AIDS		GDSC
	9650	Arnav ~~(Pandita)~~ Apte	TE Mech.		
		Kushal	"		

TE COMPS A&B.

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INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)
IIC-FrCRCE

Institute Innovation Council –Fr.CRCE (Mumbai)

2/3

Student Attendance

Session Topic: Usage of Modern Tools of AIML **Date:** 13/9/2023

Sr. No.	Roll Number	Name	Department	Signature	
01	9616	Soham A Ladgaonkar	COMPS B		
02	9617	Joshua Lewis	COMPS B		
03	9615	Soham Khochare	Comps B		
4	9609	Emmanuel Gudinho	Comps B		
5	9643	Omkar Sarve	Comps B		
6	9573	Jovan Lopes	Comps A		
7	9597	Nathan Dias	Comps B		
8	9588	Muhammd bottiwala.	COMPS B		
9.	9622	Soham Nitin Mane	Comps B		
	9475	Punit Giri	TE ECS		
	9728	Arnav Pandita	TE AIDS		
	9742	Akshat Sarraf	TE AIDS		
	9721	Sahil Khan	TE AIDS		
	9508	Shubh Shetty	TE ECS		
	9508	Shreya Sahay	TE ECS		
	9568	Shruti Patil	TE COMPS		GDSC
	9608	Rudolph Gonsalves	TE COMPS		GDSC
	9566	Sanat Patil	TE COMPS		GDSC
	9533	Royce Dmello	TE CompsA		
	9548	John Kadu	TE CompsA		
	9564	Vedant Pathare	TE CompsA		
	9565	Nimish Patil	TE Comps A		
	9555	Melbin	TE Comps A		CS1
	9570	Sumit Rai	TE comps A		CS1

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IIC-FrCRCE

Institute Innovation Council –Fr.CRCE (Mumbai)

Student Attendance

Session Topic: Usage of modern tools in AIML **Date:** 13/9/2023

Sr. No.	Roll Number	Name	Department	Signature
	9526	Pushpendersingh Bisht	TE COMPS A	Pushpendra
	9648	Darsh Virani	TE COMPS A	[illegible]
	9620	Aditya Mahanwar	TE Comps-B	[illegible]
	9634	Riana Rebello	TE Comps-B	RR
	9533	Kushal Mario Bhansali	TE Comps B	[illegible]
	9625	Siddhant Murade	TE comps-B	[illegible]
	9636	Ricky Rodrigues	TE comps-B	Ricky
	9521	Risa Almeida	TE COMPS A	[illegible]
	9613	Divya Junghare	TE COMS A	[illegible]
	9540	Sachil Fernandes	TE Comps B	[illegible]
	9635	Aaron Rodrigues	TE Comps B	[illegible]

ROTARAC

TE COMPS A & B

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INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)
IIC-FrCRCE

3/3

Institute Innovation Council –Fr.CRCE (Mumbai)

Student Attendance

Session Topic: Usage of Modern Tools in AIML **Date:** 13/09/2023

Sr. No.	Roll Number	Name	Department	Signature
1	9528	Janice D'Cruz	TE COMPS B	Janice D.
2	9522	Lloyd Louis	TE comps B	Lloyd
3	9525	Eshank Bele	TE COMPS B	Bele
4	9592	Aston Castelino	TE COMPS B	
5	9546	Emin Joy	TE COMPS B	Emmanuel Joy
6	9535	Hansel Dsilva	TE COMPS B	HDsilva
7	9561	Neil Pandit	TE COMPS B	Pandit
8	9645	Mark Tuscano	TE COMPS B	Tuscano
9	9638	Slayde Sequeira	TE COMPS B	Sequeira
10	9553	Riya Jaison	TE COMPS A	
11	9574	Amanda Saldanha	TE COMPS A	Amanda
12.	9603	Zare Falcao	TE COMPS A	Falcao
13.	9576	Ashton Serrao	TE COMPS A	Serrao
14.	9551	Vignesh R. Kombathula	TE COMPS A	
15.	9562	Shreya Panikkassery	TE Comps A	
16.	9560	Girish Navhkar	TE Comps A	Navhkar
17.	9565	Nimish Patil	TE Comps A	Nimish P.
18	9550	Sharli Khot	TE Comps A	Skkhot
19.	9591	Meetali Bhole	TE Comp A	Bhole
20.	9569	Winster Pereira	TE Comps A	WP
21	9630	Aaron Pereira	TE comps A	APeira
22	9608	Rudalph Gonsalves	TE comps A	Gonsalves
23	9586	Rehan Almeida	TE comps A	Almeida
24	9572	Sanika Rozario	TE Comps B	Sanika
25	9649	Ishita Yadav	TE Comps B	Ishita

gdsc

CSI

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Institute Innovation Council –Fr.CRCE (Mumbai)

Student Attendance

Session Topic: Usage of Modern Tools in AIML **Date:** 13/9/23

Sr. No.	Roll Number	Name	Department	Signature
25	9587	Savia Almeida	TE Comps B	

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
FR. Agnel Ashram, Bandstand, Bandra(W),Mumbai-400050

SEMINAR REPORT

Ideations - Artificial Intelligence

DATE: 18/01/2024

CSI-CRCE at Fr. Conceicao Rodrigues College of Engineering, Bandra, Mumbai, organised a seminar on Artificial Intelligence.

Name of the event: **Ideations - Artificial Intelligence**

Speaker: Prof. Ashwini Pansare

Date of event: 18th January, 2024

Location of the event: Offline mode- 707 classroom, FRCRCE

Number of Faculty members attended: 1

Number of Students attended: 46

The seminar titled "Ideation Artificial Intelligence" was organized by CSI-CRCE with Prof. Ashwini Pansare, a distinguished faculty member of FRCRCE, with the aim of educating students about the fascinating world of Artificial Intelligence (AI). The event, held on 18th January, 2024, provided a comprehensive overview of AI, its applications, and the potential it holds for shaping the future.

The seminar began with an opening address by Prof. Ashwini Pansare, who emphasized the significance of AI in the contemporary world. The professor highlighted how AI has evolved and become an integral part of various industries, influencing everything from technology and healthcare to finance and entertainment.

The core of the seminar focused on explaining what AI is and how it works. Professor delved into the basic concepts of machine learning. The audience gained insights into the

different subfields of AI, such as Machine Learning, Natural Language Processing and Computer Vision. Explaining about the types of Machine Learning- Supervised Learning, Unsupervised Learning and Reinforcement Learning, the problems in ML like Regression, Classification and Clustering were also highlighted.

Other topics discussed in the seminar were limitations of Machine Learning like curse of dimensionality and manual feature extraction, how deep learning shows better performance than machine learning with increase in the amount of data fed.

Generative AI was one of the hot topics as it was a go to tool for many students present in the seminar for producing new content, such as images, text, or even music not only that it has been helping a lot of students in achieving great results with their assignments. Professor then educated students about how generative AI works and how it is so efficient in its results.

She also spoke about Large Language Model (LLM) Development how students can explore frameworks like Hugging Face Transformers and experiment with building your own LLM on smaller datasets. This is a challenging but rewarding step towards complex NLP tasks.

Professor provided students with resources for beginner level knowledge in AI:

- **Online Courses:** Platforms like Coursera, edX, and Udacity offer beginner-friendly courses on AI fundamentals, machine learning, and specific applications like image recognition or natural language processing.

- **Interactive Tutorials:** Websites like TensorFlow Playground and Google AI Experiments let you experiment with AI concepts and build simple models through visual interfaces, even without coding knowledge.

- **Coding Bootcamps:** Consider bootcamps like DataCamp or Codecademy for structured learning paths that guide you through coding basics and building AI projects.

- **Kaggle:** Explore datasets, participate in competitions, and learn from other AI enthusiasts on this popular platform. Many beginner-friendly competitions with clear tutorials are available.

- **GitHub:** Find and contribute to open-source AI projects related to your interests. This is a great way to learn from experienced developers and get involved in the AI community.

- **Blogs and Forums:** Stay updated with the latest advancements and connect with other learners by following AI blogs and participating in online forums.

She later spoke about the languages used in AI development, Python is one language the Professor emphasized on learning if students were interested in the field of AI. The essential libraries used in Python are Numpy, Pandas, Scikit learn. The professor recommended a few Youtube channels for students to self-learn about AI and ML.

The seminar ended with the Professor talking about the applications of AI in our daily lives, in fields such as healthcare, education, finance, gaming, social media, ecommerce, etc.

"Ideation AI" proved to be an enlightening and engaging seminar, providing students with a solid foundation in understanding AI and its implications. Prof. Ashwini Pansare succeeded in inspiring curiosity and interest in the field, encouraging students to explore AI not just as a technological marvel but as a force for positive change. The seminar left attendees with a broader perspective on the role of AI in shaping the future and ignited a sense of enthusiasm for further exploration in this rapidly evolving field.

In conclusion, "Ideation AI" was a stepping stone towards fostering a deeper understanding of AI, inspiring the next generation of innovators, and preparing them for a future where AI plays an increasingly pivotal role in society.

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Applications of AI
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Ashwini Pansare

(Faculty In-charge)

Mr. Jonathan Dabre

(Vice Chairperson)

ATTENDANCE REPORT

Name	Contact No.	Roll No. (Four Digit No.)
Vedang Mirgal	9920332637	9918
Teresa	9594325667	10082
Riona	7506306118	10057
Joshua	7498571035	10056
NICOLE MENEZES	9137919375	10138
Geet Yogesh Kale	9820450190	9967
Vivian Ludrick	8983514765	9914
Neel Narendra Khot	7715072136	9970
Siran Rodrigues	7249055171	9932
Eram Saiyed	8291507546	9995
Aryan figer	8291313584	9895
Jess Noel Dabre	7030191525	9952
AUSTIN DMELLO	9867166251	9954
Rahel Sanjay Pereira	9172282681	9987
Aditya Rathod	9322746054	10083
Sujal Almeida	8390388652	9942
Mohika Rajesh Rane	7038593063	9989
Juvana	7045148347	10049
Joshua D’sylva	7045897028	10052
Bobby Mathews	9820741785	10041
Susan Fernandes	8591279665	9962
MARK ALFRED JUDE NAZARETH	9833546132	9983
Lincy Dcosta	9561541145	10044
Merrill Dmonte	7385175348	9956
Shaun Mendes	9920778067	9916
Aashish Mhaske	8591700819	9980
Khushi Mehta	9321765616	9978
Jefin John	9619293256	9904
Aishwarya Sreejith	7021808219	10039
Anshuman Sahu	7021973436	9994
Iqra Khan	8169698312	9969

Aditi Singh	96531 00149	10096
Ross	7045197220	9955
Cyjil Varghese Kanjirammyalil	7841048204	9968
Nash Dsouza	9960577419	9959
Cyrus Gomes	7718939094	9899
Vivian Rebello	9833096936	9991
Juan Andrades	7741815461	9943
Rohan Benoy	9920800199	9993
Ankit Maity	9820731584	9975
Sai Pawar	8767720813	9986
Shardul Sant	9022510332	9996
Navya Anil Kumar	9665016176	9982
Anish Ashish Godse	9987709842	9964
Vatsal Shah	8104576478	10090

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
FR. Agnel Ashram, Bandstand, Bandra(W),Mumbai-400050

WORKSHOP REPORT

Design, Critical & Innovation Thinking

DATE: 19/01/2024

CSI-CRCE at Fr. Conceicao Rodrigues College of Engineering, Bandra, Mumbai, organised a workshop on design, critical and innovation thinking in the startup environment.

Name of the workshop: **Design, Critical & Innovation Thinking**

Speaker: Prof. Swati Ringe

Date of event: 19th January, 2024

Location of the event: Offline mode- 807 classroom, FRCRCE

Number of Faculty members attended: 1

Number of Students attended: 49

In an era defined by rapid technological advancements and dynamic global markets, cultivating a mindset of innovation and critical thinking is imperative for the success of today's college students. To address this need, a workshop titled " Design, Critical & Innovation Thinking" was conducted by CSI-CRCE with Prof. Swati Ringe leading the session on 19th January, 2024. The primary objective of the event was to motivate and empower students to embrace deep, critical, and innovative thinking, with a specific focus on the startup ecosystem.

The workshop aimed to instil in students the importance of adopting an entrepreneurial mindset, encouraging them to explore novel ideas, think critically about challenges, and develop innovative solutions. The focus was on equipping students with the skills and mindset necessary for navigating the ever-evolving landscape of startups.

Professor emphasized on the importance of design, critical and innovation thinking in the startup environment. She spoke about success stories and case studies of prominent startups, understanding the role of innovation in startup success, importance of deep thinking in problem-solving, techniques for fostering deep thinking, real-world examples of startups that applied deep thinking to disrupt industries, analysing business challenges critically.

She spoke about the 5 step process of design thinking:

1. Empathize -Empathise with user
2. Define -Identify the exact problem on which you want to work on
3. Ideate -Strategize solutions
4. Prototype -Finalize the Design
5. Test -Test the design solution

The latter half of the workshop was a brainstorming session for generating innovative business ideas. Students were distributed into groups and given art supplies. It was a hands-on experience to stimulate creative thinking, students had to identify real life problems and come up with an innovative idea resolving any issue. Students could use the art supplies to prepare a product or map out their ideas and submit them. The groups made products like spectacles, whereas a group submitted an idea about an automated braking system in vehicles.

The workshop successfully achieved its objectives, leaving a lasting impact on the participating students. Key outcomes included:

1. Enhanced Understanding: Students gained a comprehensive understanding of the startup ecosystem, its dynamics, and the critical role of innovation in entrepreneurial success.

2. Skill Development: Participants acquired practical skills in deep and critical thinking, enabling them to approach problems with a more analytical and innovative mindset.

3. Inspiration: The workshop served as a source of inspiration, with real world success stories and insights, motivating students to consider entrepreneurship as a viable career path.

The " Design, Critical & Innovation Thinking " event was a resounding success, providing students with valuable insights, skills, and inspiration to embrace innovation and critical thinking in the context of startups. As colleges continue to prepare students for the challenges of the future, workshops of this nature play a crucial role in shaping the next generation of entrepreneurial thinkers.

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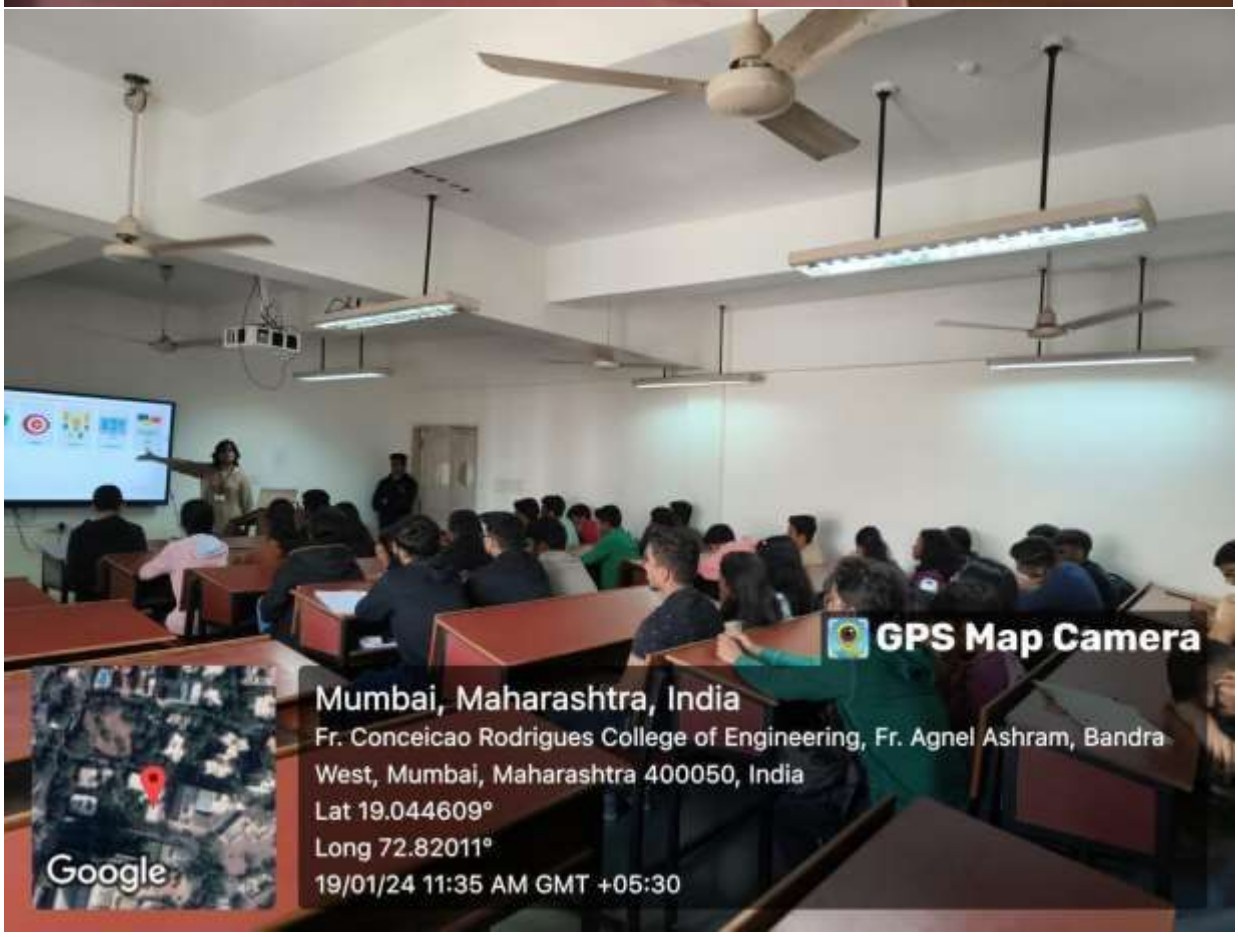
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Ashwini Pansare

(Faculty In-charge)

Mr. Jonathan Dabre

(Vice Chairperson)

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Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai - 400 050

INSTITUTION'S INNOVATION COUNCIL
IIC-FrCRCE

Department of Artificial Intelligence & Data Science Engineering

Institute Innovation Council –Fr.CRCE (Mumbai)

Student Attendance

Session Topic: Workshop on Design, Critical & Innovation Thinking. **Date:** 19/01/2024

Sr. No.	Roll Number	Name	Department	Signature
1	10050	Keith D'souza	AIDS-SE	
2.	10043	Uaven Coutinho	SE AIDS	
3.	10051	Lenroy D'souza	SE AI-DS	
4.	10062	Ameya Khedekar	SE AIDS	
5.	10445	Harsh Kani [DSE]	SE AIDS	
6.	10443	Reyan Dabre (DSE)	SE AIDS	
7.	9726	Nevil Naikod	TE AIDS	
8	9725	Jaden Menezes	TE AIDS	
9	9724	Nicole Mascarenhas	TE AIDS	
10.	9011	Rutuja Prabhulcocharekar	TE AIDS	
11.	9734	Vaishnavi Pratap	TE AIDS	
12	9717	Janet Nelson	TE AIDS	
13.	10094.	Samarth Shetty.	SE AIDS	
14	10089	Mitesh Sawant	SE AIDS	
15	10090	Vatsal Shah	SE AIDS	
16	9696	Shivprasad. C.P	TE AIDS	
17	9513	Anurag. T.	TE AID	
18	9689.	Abhijeet. B.	TE AIDS	
19	10091	Armaan Shaikh	SE AIDS	
20	10092	Raiyan Shaikh	SE AIDS	
21	10095	Shruti Shirvaskar	SE AIDS	

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22.	10059	Mohammed Tufail	SE AIDS	
23	9807	Ashvini Chauhan	TE AIDS	
24	10054	Sarah Iyer	SE AIDS	
25	10087	Kevin Rogario	SE AIDS	
26	10052	Joshua D'Silva	SE AIDS	
27	10044	Alston D'SOUZA	SE AIDS	
28	10060	Darshan K Jain	SE AIDS	
29	10083	Aditya Rathod	SE AIDS	
30	10100	MAX CARDHESE	SE AIDS	
31	10101	Harsh Vishwakarma	SE AIDS	
32	9741	Aryan Sarang	TE AIDS	
33	9744	Abhait Raj Thakur	TE AIDS	
34	9740	Harshil Sansi	TE AIDS	
35	9739	Mahesh Saini	TE AIDS	
36	9745	Sanika Thakur	TE AIDS	
37	9750	Shulka Yadav	TE AIDS	
38	9812	Abhishek Sonawane	TE AIDS	
39	9810	Steve Dabre	TE AIDS	
40	9808	Myron Correia	TE AIDS	
41	9807	Ashvini Chauhan	TE AIDS	

MHRD –Institute Innovation Council –Fr.CRCE (Mumbai)

Student Attendance

Session Topic: Design thinking workshop Date: 19/1/2

Sr.No.	Name	Department	Year	Email /Roll no	Mobile No.
1	Teresa Raj	AIDS	SE	10082	
2	Boney Babu	AIDS	SE	10072	
3	Steve pillai	AIDS	SE	10080	
4	Jeslin Wilson	AIDS	SE	10075	
5.	Anushka Patil	AIDS	SE	10077	
6.	Aishwarya Sreejith	AIDS	SE	10039	
7.	Sapaeya Dey	AIDS	SE	10045	
8.	Ameya Khedekar	AIDS	SE	10062	