3.2.2 Proofs of workshops/Seminars organized on Research Methodology, Intellectual Property Rights (IPR) and Entrepreneurship

2021-22

2020-21

2019-20

2018-19

2017-18

Sr. No.	Name of the workshop/ seminar/ conference	Number of Participants	Year	Pg. No
1	My Story - Motivational Session by Successful Innovators.	50	2021-22	6-13
2	Technical Paper Writing - showcase your research	60	2021-22	14-19
3	Design Validation using Double Diamond Approach	63	2021-22	20-29
4	Workshop on Design Thinking, Critical thinking and Innovation Design	60	2021-22	30-36
5	Intellectual Property Rights	40	2021-22	37-39
6	Project Management - A step towards Innovative Product	77	2021-22	40-44
7	Session on process of Innovative development	53	2021-22	45-48
8	E-Symposium on Building Innovation Ecosystem in Educational Institutions- Day 1 (11th Jan 2022)	40	2021-22	49-50
9	E-Symposium on Building Innovation Ecosystem in Educational Institutions- Day 2 (12th Jan 2022)	36	2021-22	51-52
10	Innovation Ambassador Lecture series : Innovation and Entrepreneurship	15	2021-22	53-57
11	Unscript Rookie's Hacakthon 2k22 - Web, Android, Ai/ML	60 teams(240 participants)	2021-22	58-65
12	Activities for improvement of Creativity (IIC- IA lecture Series))	23	2021-22	66-68
13	Orientation Session on IIC4.0 & Features	30	2021-22	69-71
14	Ideation-Blockchain	100	2021-22	72-76
15	Innovation and Design Thinking (IIC-IA Lecture Series)	35	2021-22	77-79
16	Pitching Event for PoCs developed & linkage with Innovation Ambassadors for mentorship support.	10	2021-22	80-83
17	Session/ Workshop on Business Model Canvas (BMC)	21	2021-22	84-89
18	Business plan - Real Startup Case Study	14	2021-22	90-93
19	Innovation Ambassador Lecture series :Phases of Startup	25	2021-22	94-97
20	Session on Achieving Problem-Solution Fit & Product-Market Fit	8	2021-22	98-101
21	Session on “How to plan for Start-up and legal & Ethical Steps”	55	2021-22	102-106
22	Session/ Panel discussion with innovation and Start-up Ecosystem Enablers from the region/state/national level	15	2021-22	107-111
23	A Perfect Pitch Deck Presentation	7	2021-22	112-115
24	Innovation Ambassador Lecture series :Branding and Promotion of Startup	22	2021-22	116-119
25	My Story - Motivational Session by Successful Entrepreneur/Start-up founder.	30	2021-22	120-123
26	Workshop on “Entrepreneurship and Innovation as Career Opportunity"	66	2021-22	124-127

Sr. No.	Name of the workshop/ seminar/ conference	Number of Participants	Year	Pg. No
27	Organise Session on “Lean Start-up & Minimum Viable Product/Business”- Boot Camp (or) Mentoring Session	100	2021-22	128-131
28	Session on Innovation/Prototype Validation – Converting Innovation into a Start-up or Session on Achieving “Value Proposition Fit” & “Business Fit”	38	2021-22	132-136
29	Crescendo 2022 Hackathon	150	2021-22	137-142
30	Crescendo 2022 Elexathon	55	2021-22	143-149
31	Crescendo 2022 Mechathon	65	2021-22	150-155
32	Creation of e-Repository of e-Learning Sessions on I&E at IIC Institute	20	2021-22	156-166
33	Demo Day/Exhibition/Poster Presentation of Business Plan/Prototype developed & linkage with Innovation Ambassadors for mentorship support.	30	2021-22	167-168
34	Workshop on IPR overview and Implications	40	2021-22	169-171
35	Out of the box thinking for problem solving	48	2021-22	172-173
36	Session on Angel Investment/VC Funding Opportunity for Early Stage Entrepreneurs.	47	2021-22	174-177
37	Participation of IIC Institutions in IIC Regional Meets	4	2021-22	178-179
38	Session on Accelerators/Incubation - Opportunities for Students & Faculties - Early Stage Entrepreneurs	185	2021-22	180-186
39	Innovation Ambassador Lecture series :Ideation-Artificial Intelligence	48	2021-22	187-191
40	Pitching Event for Ideas Scouted & linkage with Innovation Ambassadors for mentorship support.	92	2021-22	192-196
41	Webinar on successful start-up founder	40	2021-22	197-200
42	Cyber Security: Career and Business Opportunities	64	2021-22	201-208
43	Building Institute Level YUKTI - National Innovation Repository (NIR)	-	2021-22	209-210
44	Process of Innovation Development	53	2020-2021	211-214
45	Design Thinking, Critical Thinking, Innovation Design	46	2020-2021	215-218
46	Identifying Intellectual Components at the early stages of Innovation	33	2020-2021	219-223
47	Entrepreneurship Development Phases	110	2020-2021	224-226
48	Mentoring Future Innovators and Entrepreneur	101	2020-2021	227-231
49	My Story- Motivational Session by Successful Innovators	75	2020-2021	232-237
50	Entrepreneurship and Innovation as Career Opportunity	NA	2020-2021	238-239
51	My Story- Landing a Dream Job and Living a Startup Dream	46	2020-2021	240-246
52	Orientation of NISP	49	2020-2021	247-253

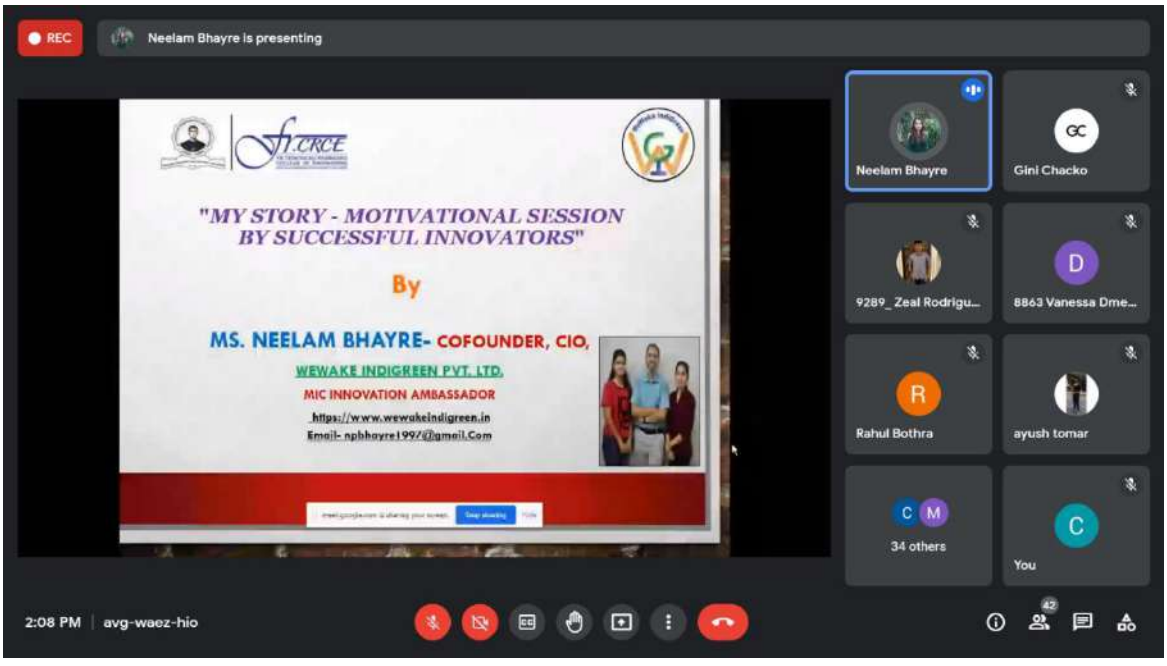
Sr. No.	Name of the workshop/ seminar/ conference	Number of Participants	Year	Pg. No
53	Exploring the startup dream- Plan to execution	58	2020-2021	254
54	Field Visit to identify real life problems	19	2019-20	255-262
55	Synergy Hackathon	30 teams(3-4 students per team)	2019-20	263-267
56	Workshop on Design Thinking/Ideation	90	2019-20	268-269
57	Software Design Workshop- Innovative methods	103	2019-20	270-271
58	Entrepreneurship and Innovation as Career Opportunity	147	2019-20	272-274
59	Product Development Phases	109	2019-20	275-280
60	International Conference on Advances in Computing, Communication and Control (ICAC3-2019)	88 papers	2019-20	281-282
61	Industrial Visit	145	2019-20	283-289
62	Demo Day – Exhibition Cum Demo	10 teams (3-4 members per team)	2019-20	290
63	Presentation Women in Entrepreneurship	-	2019-20	291-292
64	Innovation Day Campaign	515	2019-20	293-294
65	Idea Competition	17 teams (3-4 members per team)	2019-20	295-297
66	IPR and IP management	155	2019-20	298-301
67	Idea-Business Model	50	2019-20	302-303
68	Field Visit (Matunga Railway station)	60	2019-20	304-305
69	Hangout with successful startup (Internship expo)	275	2019-20	306-307
70	Webinar on IPR	244	2018-19	308-314
71	Webinar on Leadership talk	259	2018-19	315-321
72	Webinar on Leadership talk (Career Planning)	198	2018-19	322-329
73	Idea Competition	34 teams(2/3 members per team)	2018-19	330-338
74	Webinar on Leadership talk (Decision Making)	260	2018-19	339-343
75	IPR (Intellectual Property Rights)	209	2018-19	344-356
76	IEEE Project Competition	93 teams(2-3 members /team)	2018-19	357-371
77	Industrial Visit	24	2018-19	372-382
78	Research Methodology	20	2017-18	383-400
79	Seminar on Technical Paper Presentation	45	2017-18	401-408
80	Project Competition	NA	2017-18	409-418
81	SKEP	160	2017-18	419-423
82	SPARC	25	2017-18	424-430
83	CANSAT Satellite Development Workshop	33	2017-18	431-434

Proofs of workshops/Seminars organized on Research Methodology, Intellectual Property Rights (IPR) and Entrepreneurship (2021-22)

CSI-CRCE organized
My Story – Motivational Session By Successful Innovators

Event Name : My Story – Motivational Session By Successful Innovators
Date **:** 25th September, 2021
Platform **:** Google Meet

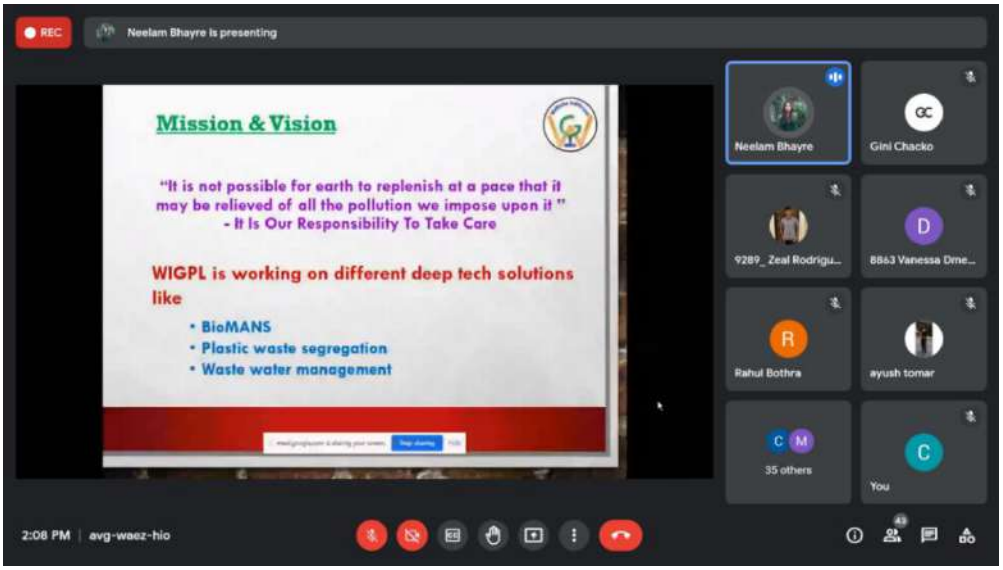
The Computer Society of India(C.S.I.), FR. C.R.C.E. organized a session on My Story - Motivational Session By Successful Innovators on 25th September, 2021. The objective of the event was to enlighten the young minds about entrepreneurship and startups.



A total of 48 students from SE and TE and 2 faculty members attended the meet. The mode of session delivery was Google Meet.

Ms. Neelam Bhayre (speaker)

The speaker for the session was Ms.Neelam Bhayre. She is the Co-founder & CIO of WeWake IndiGreen Pvt. Ltd. WeWake IndiGreen Pvt. Ltd. is a technology company developing sustainable solutions from environmental challenges. From Sinhgad College of Science she completed her M.Sc. in Microbiology. She was awarded as topper of the year in 2019 from Sinhgad College of science. For her innovation in 2020, she was also awarded as MIC Innovation Ambassador by the AICTE's MIC Innovation Cell. She has also been awarded as Event manager of the year from NIEM (2018). Ms. Neelam Bhayre has given seminar and entrepreneurship sessions to the different institutions like IIT Mandi, DPU etc.



The session began with Ms. Neelam Bhayre narrating her story of being a successful innovator. She shared the visions she and her team had in their minds since the start for their program and the challenges they faced in their journey. The first half of the session included a detailed explanation about

- The innovation idea and motivational key behind Ms. Neelam Bhayre's program
- The necessary points that one needs to take into consideration while starting out their startups
- How a prototype should be simple and friendly
- How to develop one's innovation by understanding customer's need and the trends from the future
- The Do's and Dont's that play a major role in shaping one's career as an entrepreneur
- Entrepreneurship skills in every student
- The many factors such as framing a convincing pitch, visual design , story delivering pitches, self leadership qualities that can help one become a better speaker in business meetings

In the second half of the session the speaker spoke about her entrepreneurial journey, how her team grasped every opportunity given to them and turned them into successful outcomes. She shared the great knowledge and experience she gained from the "National Boot Camp and Exhibition" program where their innovation was given the rank of 10.

Later Ms. Neelam Bhayer spoke about her learning experience at “International Market Exposure” and “International Startup Exposure” where she and her team got the mentorship to improve their media, market and funding exposure skills as well as how to pitch in 10 secs , how you should maintain your body language in a business meeting, how to frame a convincing pitch etc . which later helped them immensely in their startup.

After their successful international exposure programs, the team received many funds and kept walking on their success path. In 2019 Ms. Neelam and her team received their first media coverage for their innovation. Last year the team won the Competition Of Himalyan Startup Trek where they gracefully completed the phase 1. In 2020 Ms Neelam Bhayer got a media coverage by WOMENSHINE for her motivational work.

Towards the end of the session Ms Neelam explained the audience in detail the skills that are essential for anyone who aspire to be an entrepreneur such as maintaining good network connections, discussing innovation ideas with everyone around you in order to get a reality check, to be open minded, to have confidence in their innovation idea, stay updated with the market, as well as the do's and dont's that should be taken into consideration while starting entrepreneurship.

The outcome of the event was that all the students learned a lot about entrepreneurship and it also made the audience realize that the nation needs more job creators than job seekers. The session helped the students understand the skills that play an important role while starting out their own start ups. The session motivated all the students to be an employeer rather than a employee.

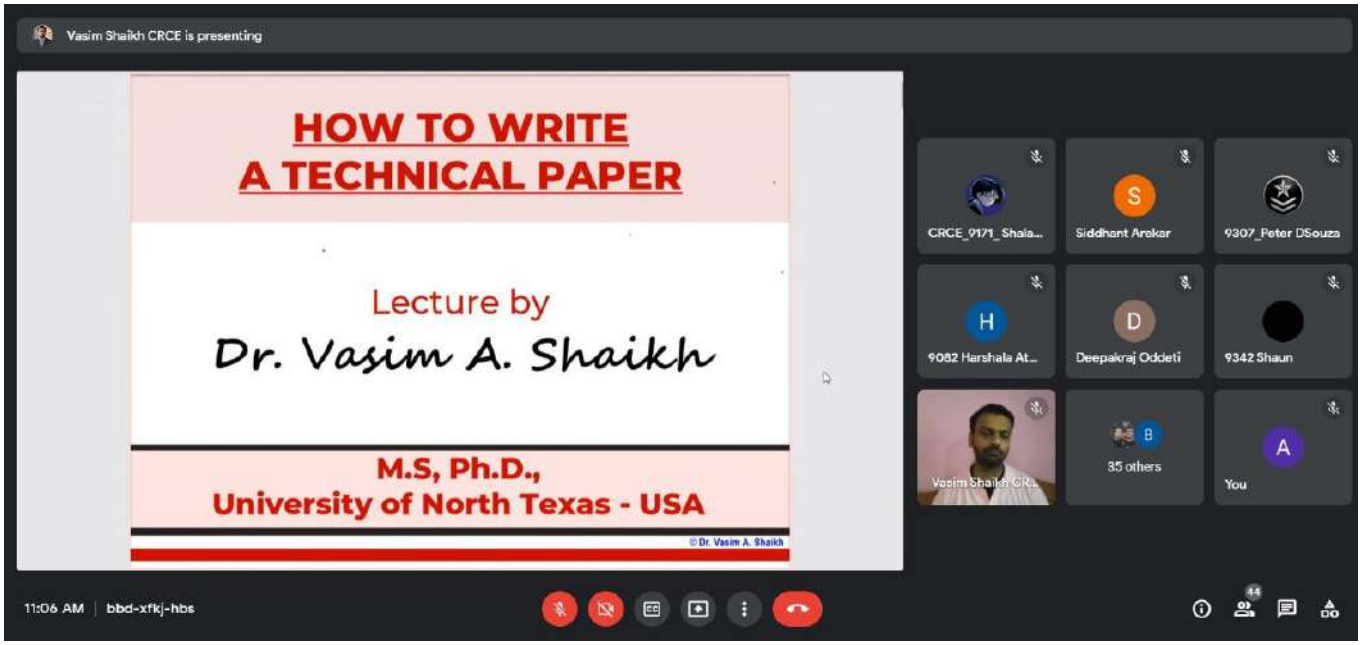
A positive feedback was received from all the participants. Participation certificates were also provided to the participants by the CSI-CRCE team. An active participation by the speaker, council members and the participants made the My Story – Motivational Session By Successful Innovators workshop a grand success!

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

IEEE-CRCE organized
Event on Technical Paper Writing

Event Name: Event on Technical Paper Writing
Date **:** 15th October, 2021
Platform **:** Google Meet

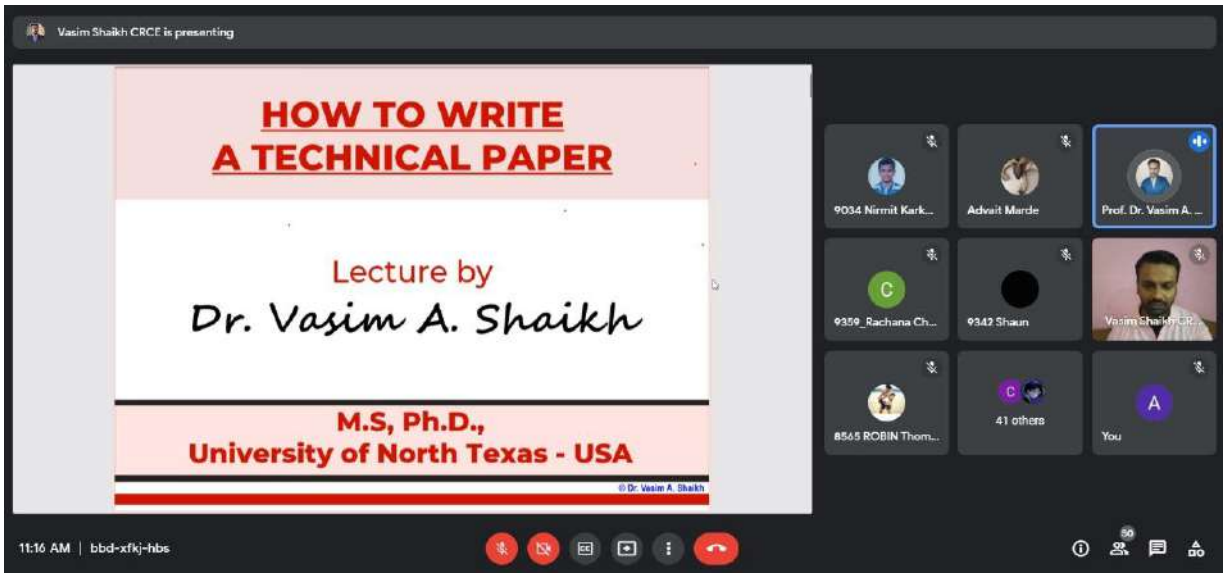
The Institute of Electrical and Engineers (IEEE), FR. C.R.C.E. organized an event on Technical Paper Writing on 15th October, 2021 from 11:00 am to 12:30 pm. The objective of the event was to help the students to understand what exactly is technical paper writing and also to enhance the skills of technical writing. To give a basic overview of technical paper writing and also mentioning the importance of technical paper writing.



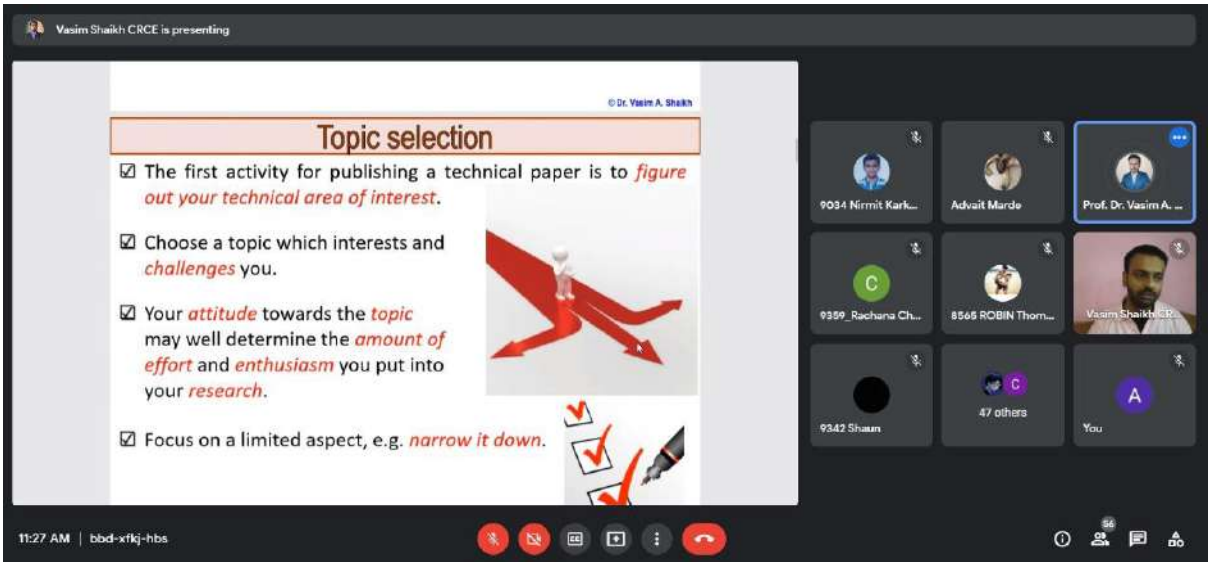
A total of 60 students from FE, SE, TE and BE attended the session. The mode of session delivery was Google Meet.

Dr. Vasim Shaikh (speaker)

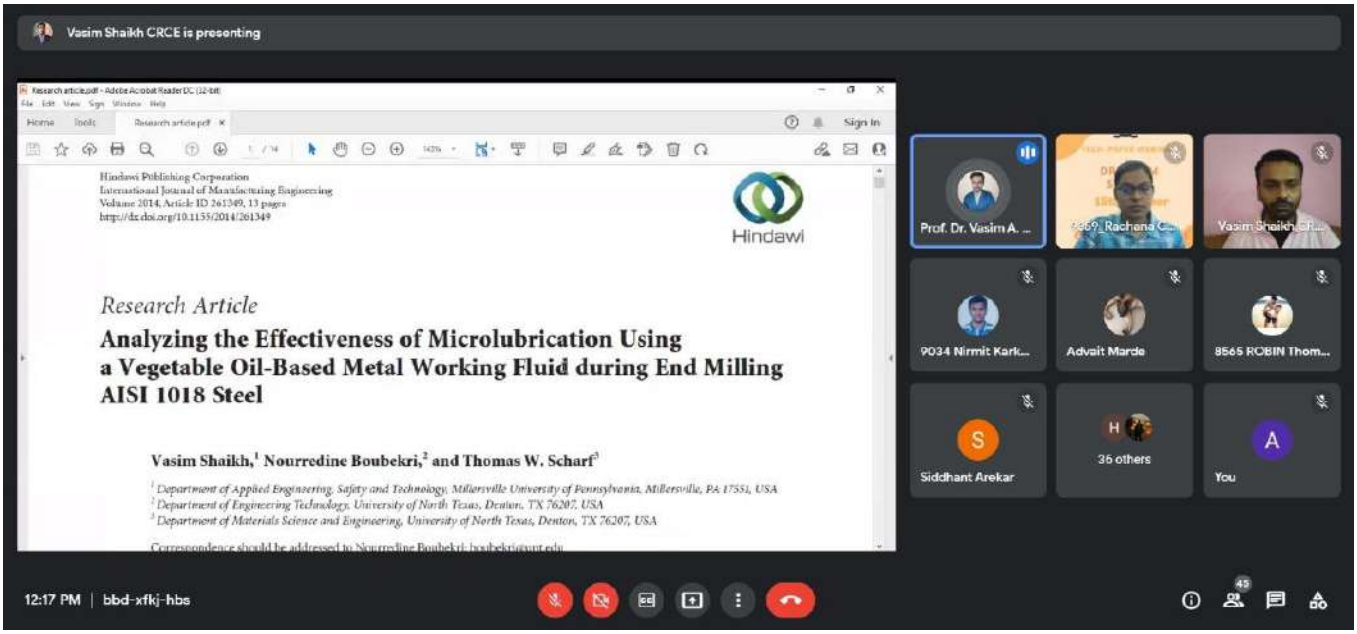
The speaker for the session was Dr. Vasim Shaikh. Mr Vasim Shaikh is currently teaching at Fr. Conceicao Rodrigues College of Engineering. He had conducted courses and laboratories in Mechanical and Production Engineering for Ph.D. He had Pursued Scholarships activities (Grant writing, Research, Presentation and Publication) at Millersville University of Pennyslvania. Taught undergraduate-level courses in the Engineering sub-field of Production Technology with a hands-on laboratory component, including but not limited to Production materials & processes and processing nonmetallic materials. Taught technical expertise in a laboratory setting; designed level-appropriate syllabi; developed contemporary classroom curriculum that provided laboratory activities; prepared and delivered weekly lectures; wrote and administered level-appropriate examinations; assessed students' performance based on university wide standards; and assigned final grades at the end of each course. Provided service to the department, University, and Professional Organizations, including through networking with business and industry stakeholders. He has been also Research Assistant at University of North Texas. He has been Teaching Assistant at University of North Texas. He was also Lab Assistant, Engineering Technology Department. He was also been Tutor of Engineering Technology Department. He has a multiple of Interns at Godrej & Boyce Manufacturing Company where he designed and implemented a project to improve the process of wielding through statistical process control, Increased the output of the assembly line by productivity improvement techniques, Introducing to different Manufacturing process. He has intern in Mukand Iron & Steels Manufacturing Company where he planned and implemented total preventive maintenance activities in the machine shop, Increased the productivity of machine shop using Kaizen.



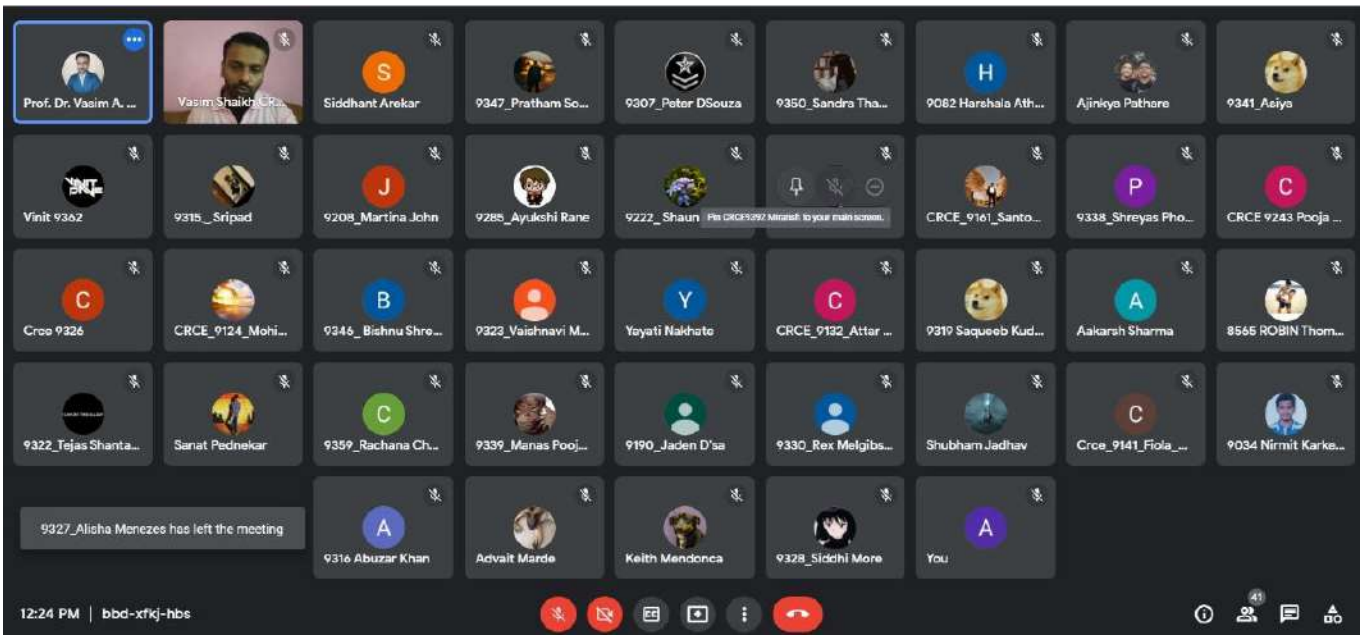
The timing for the event was 11:00 am where it started on 11:15 am as starting 15 minutes were given a buffer time to join all the participants. Our host of event Jr. Technical of IEEE Rachana Chavan started event by Welcoming our speaker Dr. Vasim Shaikh and all the participants. Dr. Vasim Shaikh started to continue the event by introducing himself and the topic. Dr. Vasim Shaikh collected many points related to our topic. He mentioned "How to Write a Technical Paper" and "Topic Selection" etc.



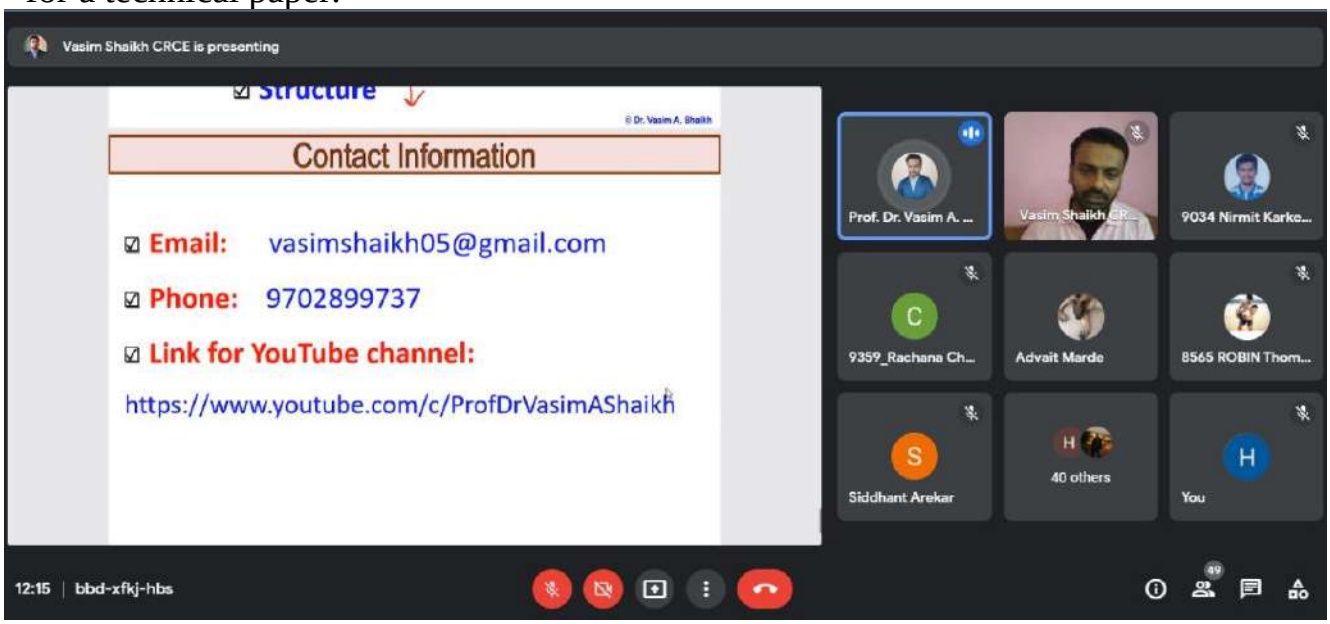
In second half, Dr. Vasim Shaikh mentioned an actual technical paper of IEEE which is published by Vasim Shaikh, Nourredine Bouberki and Thomas W. Scharf with a name of "Analyzing the Effectiveness of Microlubrication Using a Vegetable Oil-based Metal Working Fluid during End Milling AISI 1018 Steel". Our speaker also mentioned his own expericnce while working for company, as an intern. Importance of technical paper and how it is beneficial for the carrer.

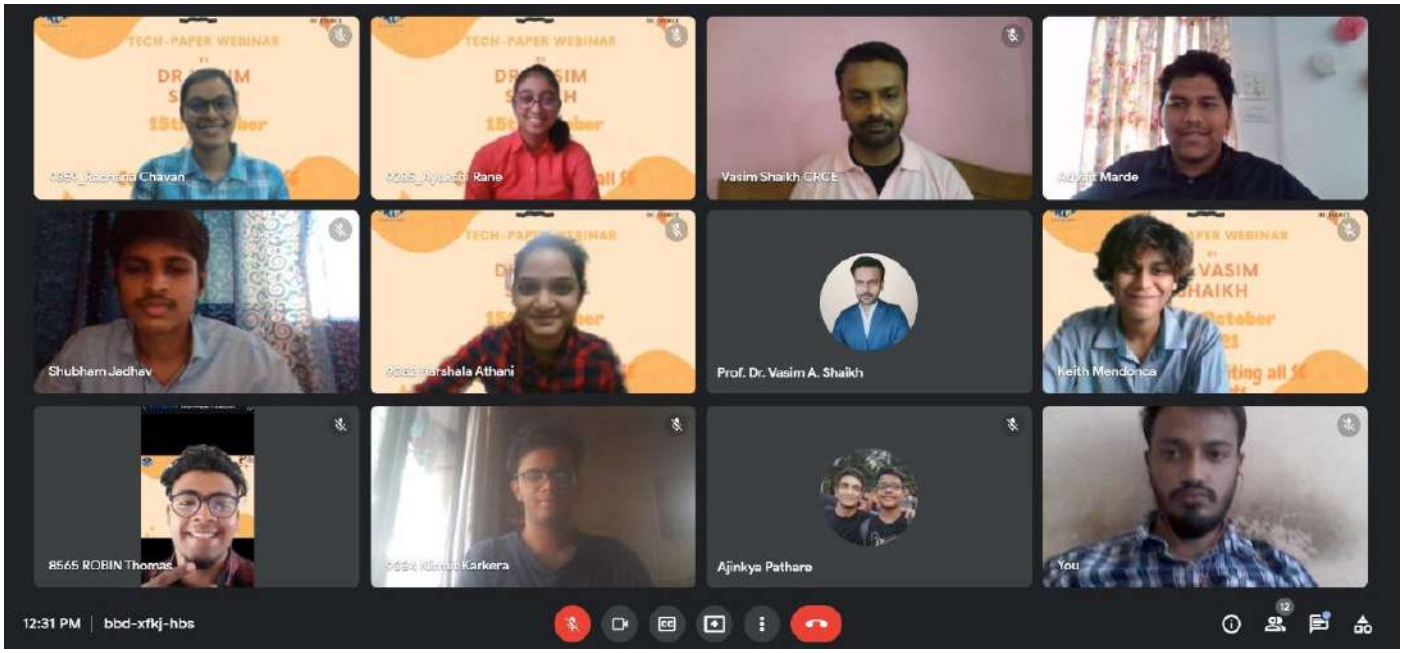


At the end of event, a 20 minutes session was held for QnA basically doubts' solving session between the speaker and the participants where multiples of participants asked their doubts' regarding the technical paper writing and our speaker Dr. Vasim Shaikh solved their doubts with couple of examples.



Our host Jr. Technical of IEEE Rachana Chavan conclude the event by giving Thanking speech to all the participants and to our speaker Dr.Vasim Shaikh. The outcome of the event is to get better idea of technical paper from an experienced person. To get motivated for a technical paper.





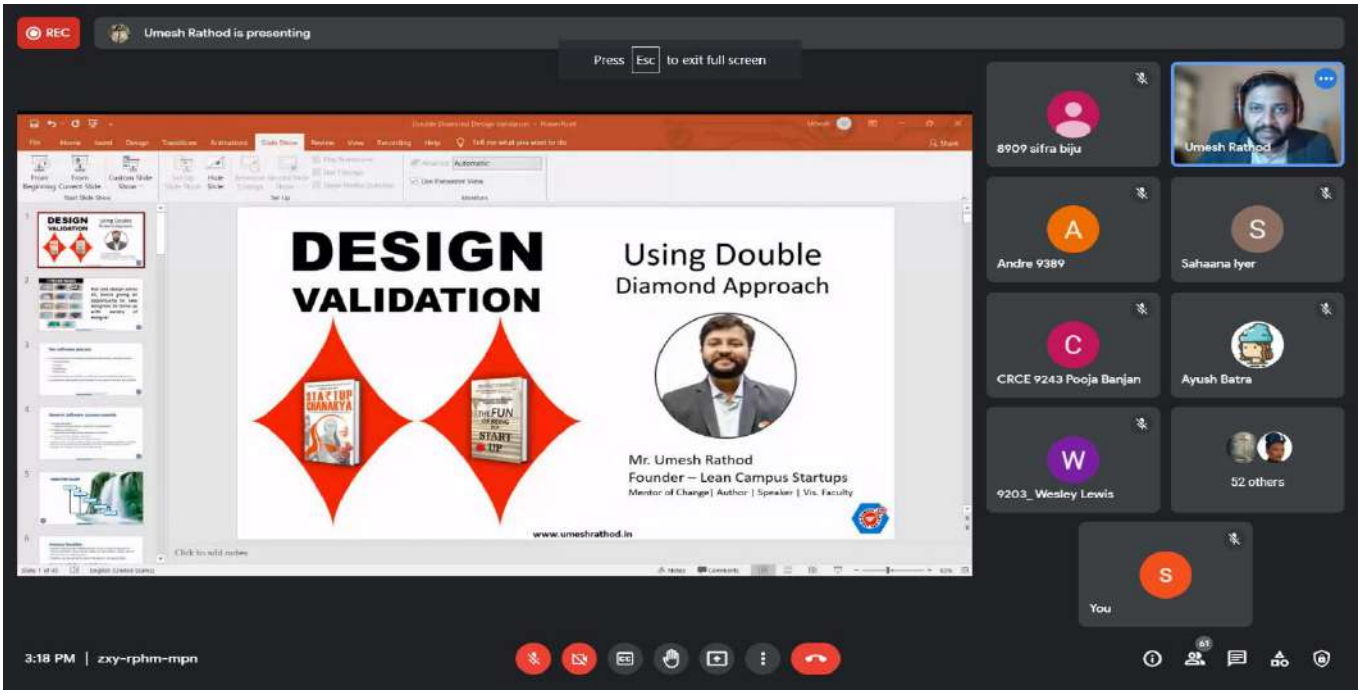
In the end, a photo session was held between all the members of IEEE-CRCE council members and our speaker Dr. Vasim Shaikh. The event was completely successful where many participants were joined and got nice feedback and we were honored to have Dr. Vasim Shaikh to be our speaker.

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

Mozilla Campus Club CRCE organized Webinar on Design Validation using Double Diamond Approach

Event Name: Webinar on Design Validation using Double Diamond Approach
Date & Time: 21st October 2021, 3pm - 4pm
Speaker: Mr. Umesh Rathod, Founder-Lean Campus Start-ups, Mentor at ICAI, Visiting Faculty at B-Schools, Marketing and Entrepreneurship Expert.
Platform: Google Meet
No. of Participants: 63

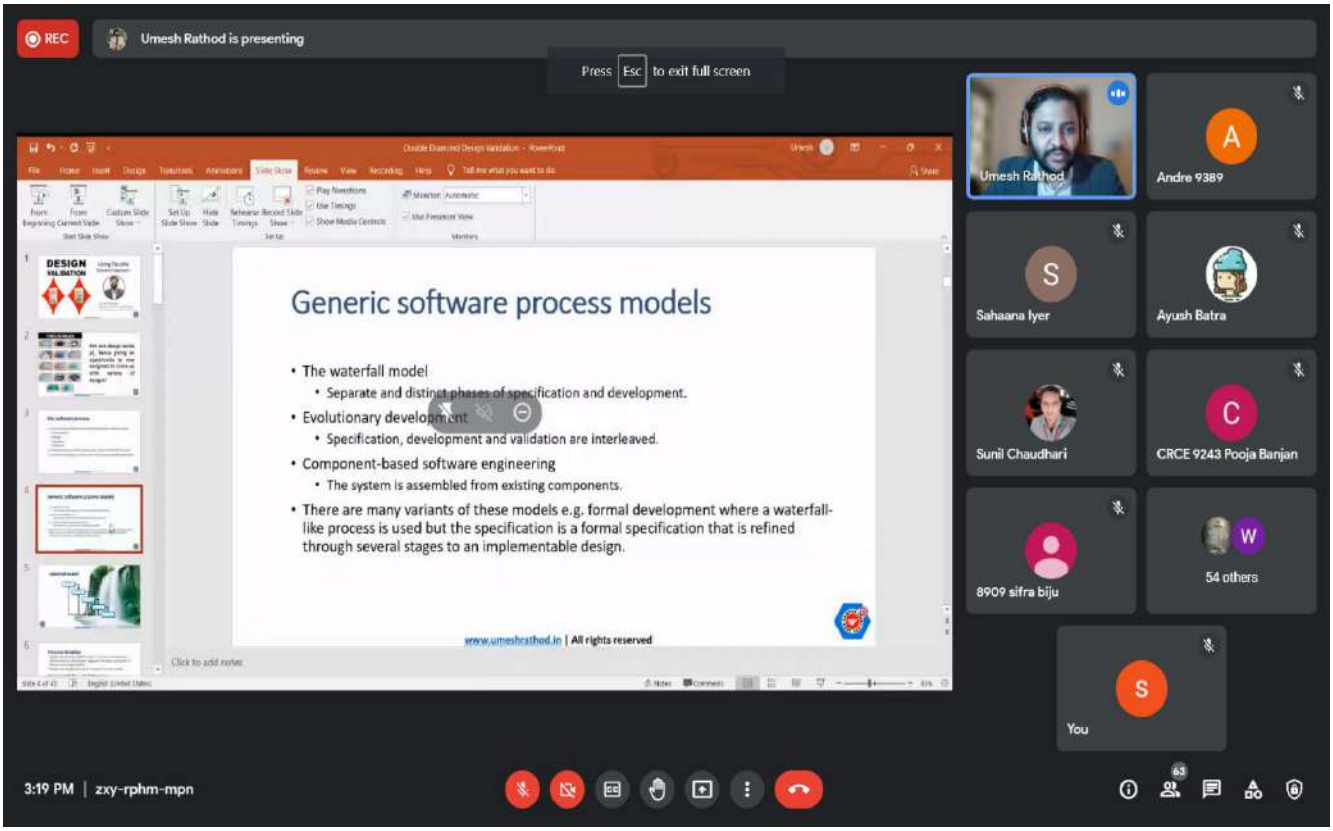
The Mozilla Campus Club, FR. CRCE organized a webinar on Design Validation using Double Diamond Approach on 21st October, 2021. The objective of the event was to help the students to understand what exactly is design validation and also to enlighten the young minds about entrepreneurship and start-ups by developing their own ideas and achieving success in it.



A total of 63 students from SE, TE and BE attended the session. The mode of session delivery was Google Meet.

Mr. Umesh Rathod (speaker)

The speaker for the session was Mr. Umesh Rathod who is a think tank, working for enhancing the start-up eco-system of India through mentoring & research in collaboration with global start up eco-systems. Mr. Rathod is a mentor at ICAI and is also a visiting Faculty for B-schools. He is also a Techno-Management Post Graduate, the Founder of Lean Campus Start-ups, Marketing Expert and an Entrepreneur at heart. He spoke about Design Validation using Double Diamond Approach for an hour 21st October 2021.

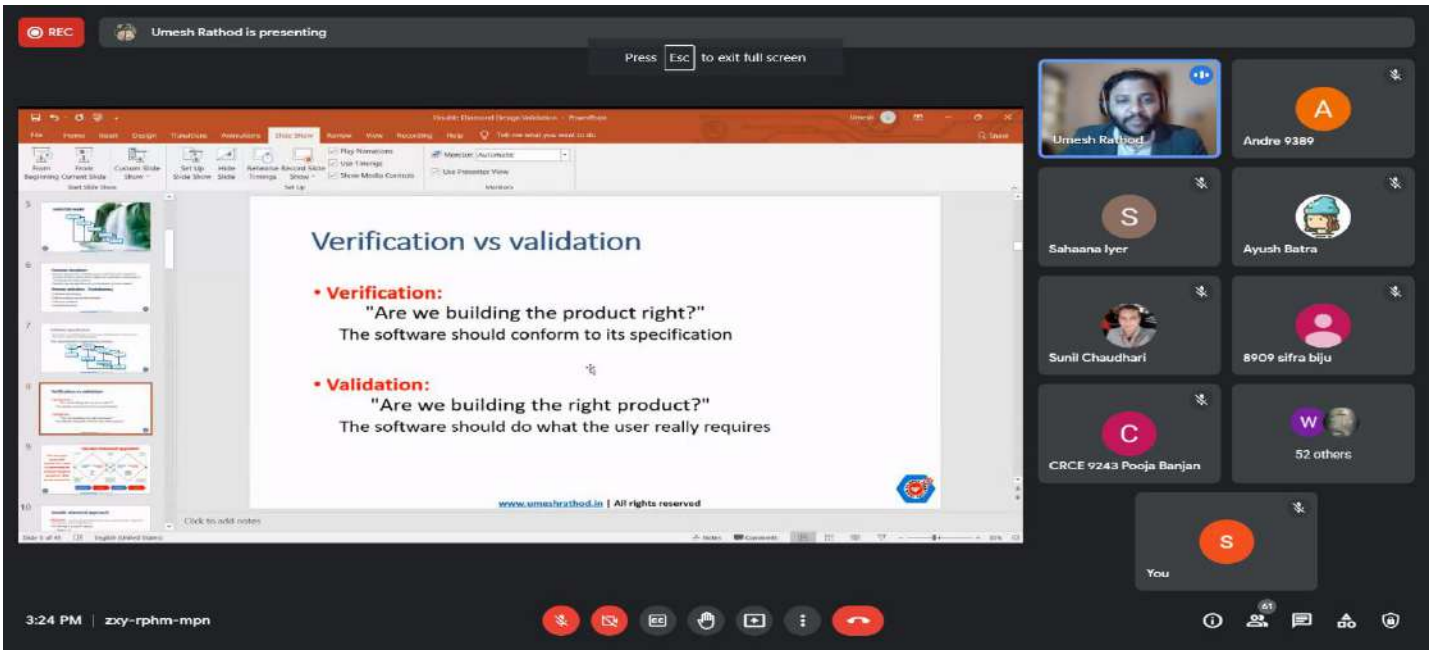


The session began with the speaker explaining in detail about

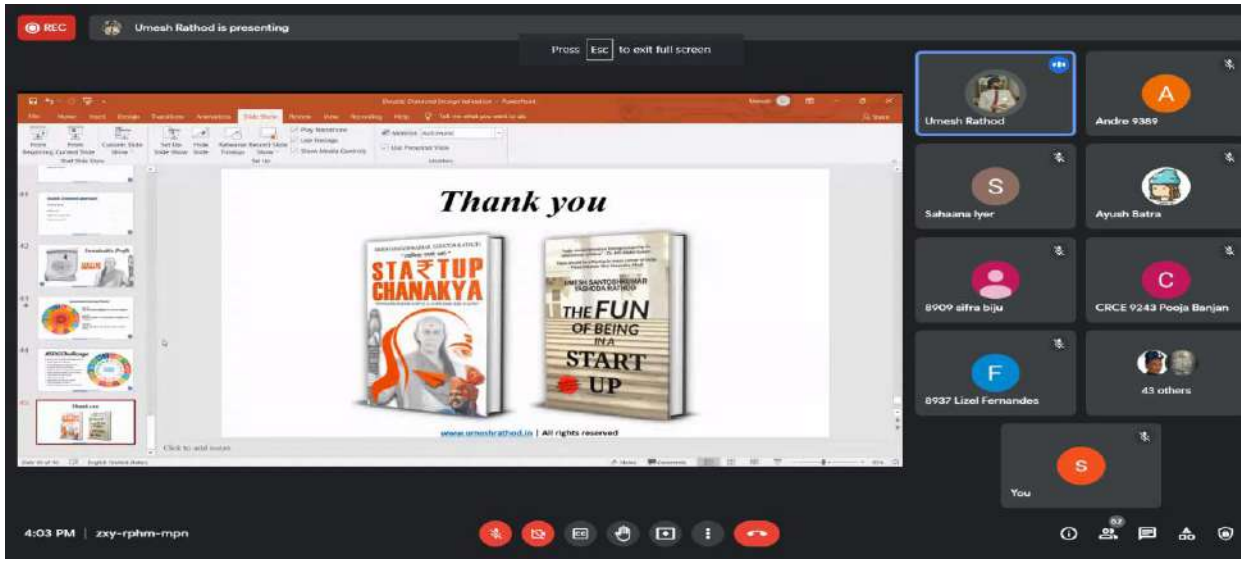
- What are generic process models
- Process Iterations
- Process Activities
- Software Specification
- Verification vs Validation
- Double Diamond Approach
- Double Diamond Approach -Observations

- Double Diamond Approach-Brainstorming
- Double Diamond Approach-How to choose a sample
- Double Diamond Approach -Quantitative surveys
- Double Diamond Approach -Fast Visualization
- Double Diamond Approach -Secondary research
- Double Diamond Approach - Hopes and Fears
- Double Diamond Approach - Assessment criteria
- Double Diamond Approach - Comparing Notes
- Double Diamond Approach - Drivers & Hurdles
- Double Diamond Approach - Customer Journey Mapping
- Double Diamond Approach - Role Playing
- Double Diamond Approach - Service Blue Prints
- Double Diamond Approach - Prototyping
- Double Diamond Approach - Final Testing
- Double Diamond Approach – Evaluation
- Double Diamond Approach – Feedback loops
- Double Diamond Approach – Method Banks
- Book Recommendations
- QnA session

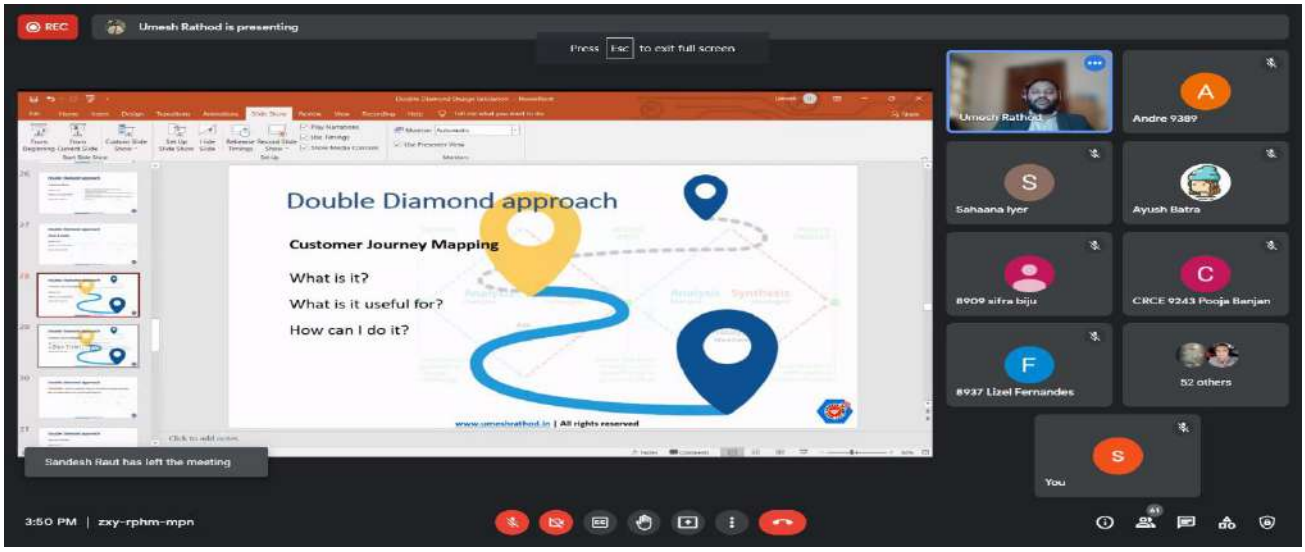
The speaker motivated everyone by stating his journey through his college days to the present and spoke about where industry and academia is today. He covered the basis of designs and talked about the advantages of Double Diamond Approach. He also explained where and how this approach is useful in the real world. Mr. Rathod covered topics like waterfall model and its disadvantages, process activities and software specification. He asked couple of questions throughout the session and hence made it an interactive session.



At the end of workshop, the speaker cleared all the doubts that the students had in their minds, he recommended some books and asked everyone to think more about sustainability. He ended the session by asking a question and rewarded a book to the one who answered it correctly.



The outcome of the event was that all the students learned a lot about software designing and it also made the audience realize the importance of having the right design. The session also helped the students realize that sustainability is of paramount importance in the world right now. It enlightened the students about what they should do in future and what they need to do right from the college days. The session motivated all the students to dive deep into software designing.


REC
Umesh Rathod is presenting
Press Esc to exit full screen
Double Diamond approach
Customer Journey Mapping
What is it?
What is it useful for?
How can I do it?
Sandesh Raut has left the meeting
3:50 PM | zxy-rphm-mpn
Umesh Rathod
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CRCE 9243 Pooja Banjan
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52 others
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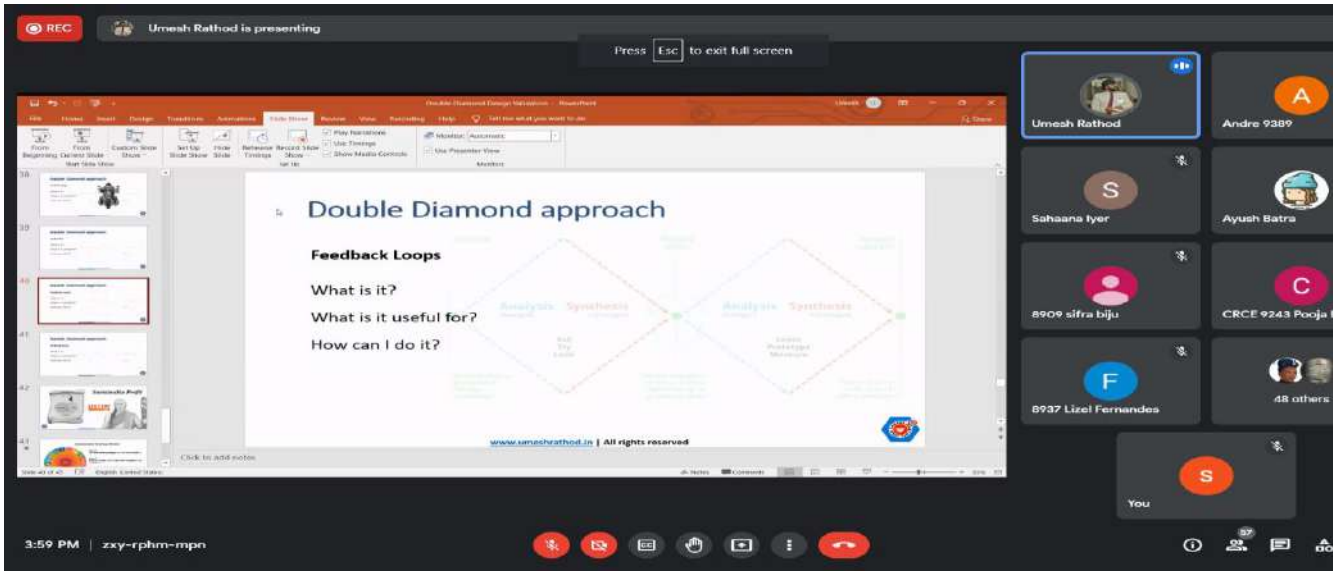
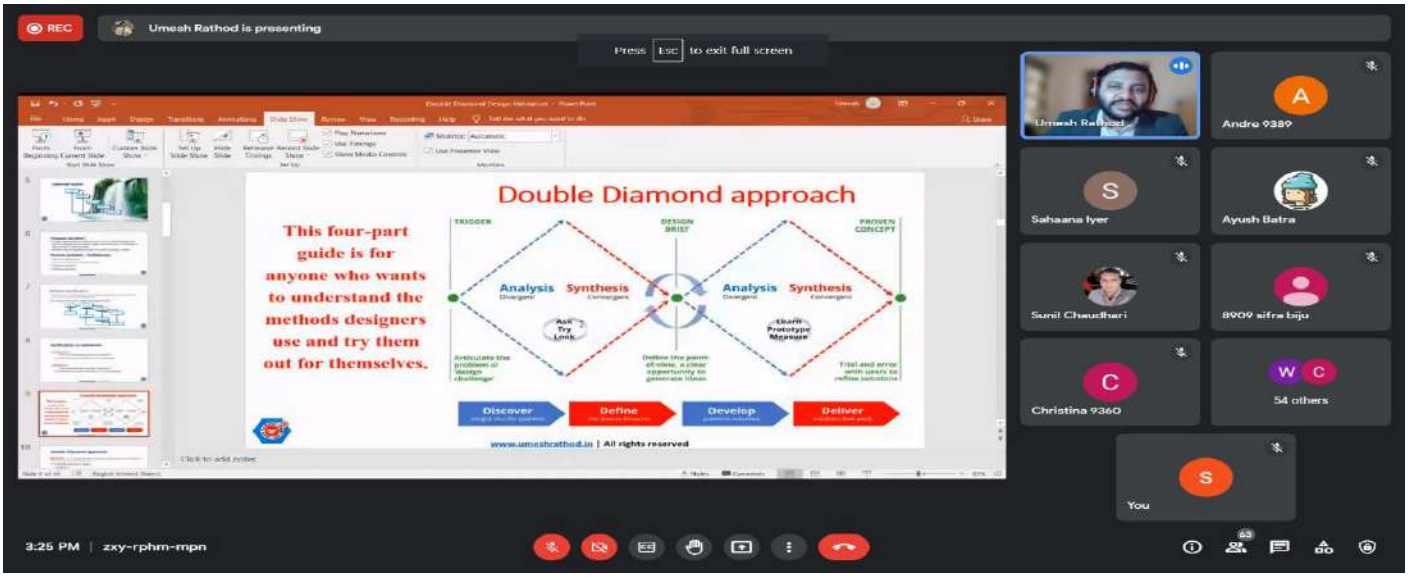


A good feedback was received from all the participants. All the students were thrilled to learn and understand about Design Validation from Mr. Umesh Rathod. An active participation by the speaker, council members and the participants made the webinar on Design Validation using Double Diamond Approach a grand success!



Prof. Sunil Chaudhari
(Faculty In-charge)

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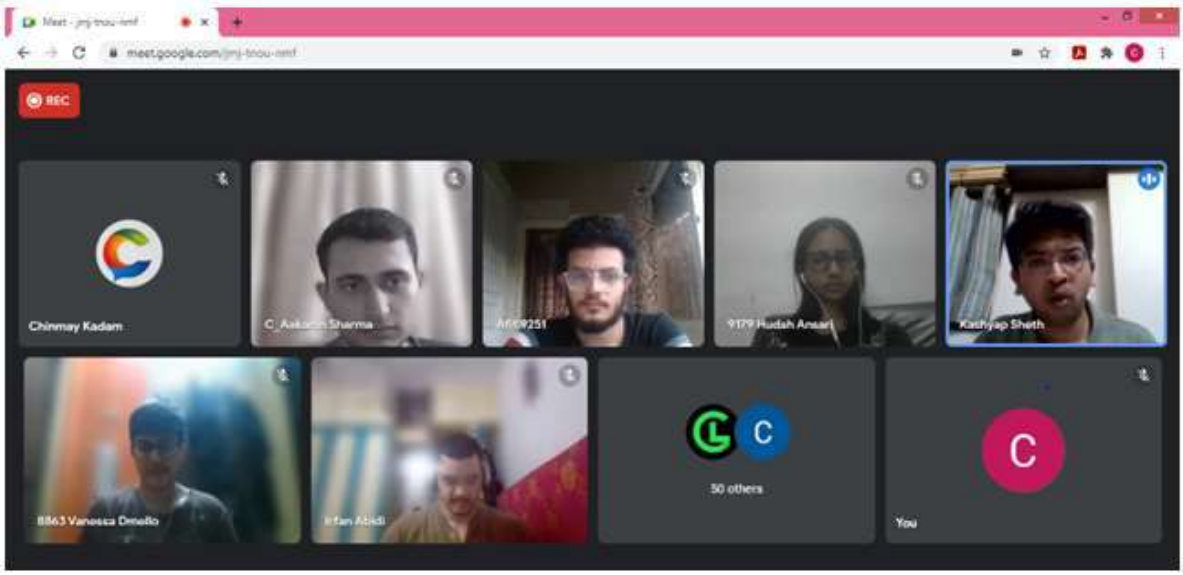
INSTITUTION'S INNOVATION COUNCIL
IIC-FrCRCE

Webinar on Design Thinking, Critical Thinking and Innovation Design

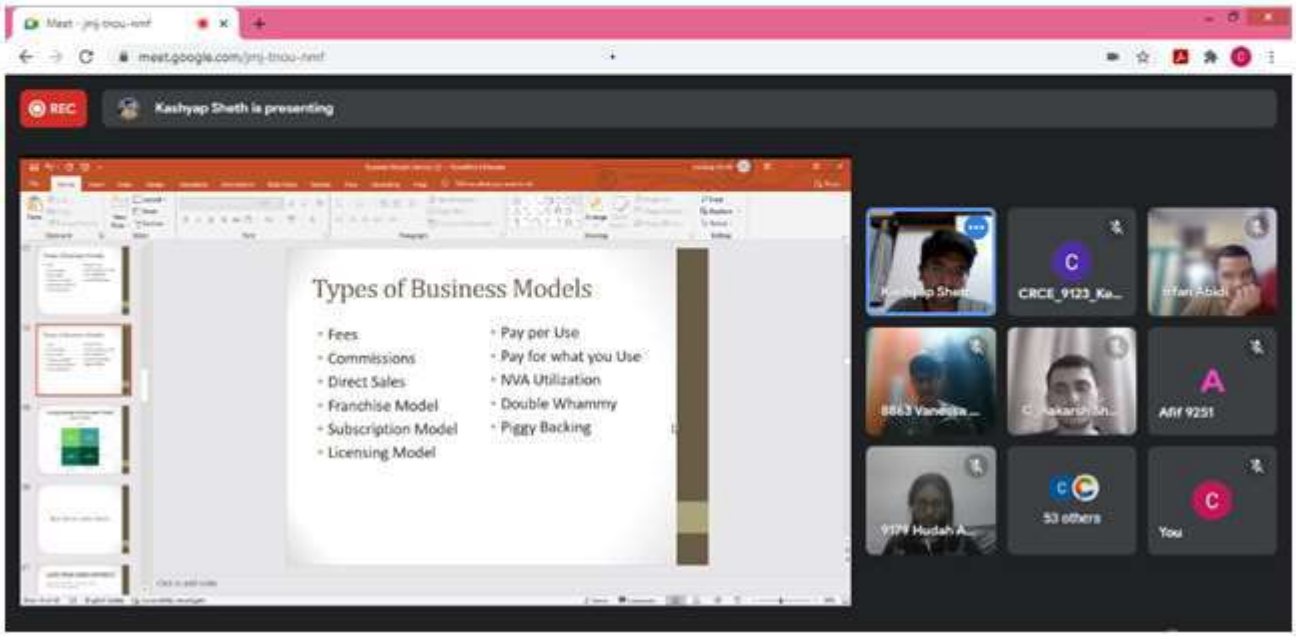
Event Name: Webinar on Design Thinking, Critical Thinking and Innovation Design
Date : 22nd October 2021
Platform : Google Meet

The CodeLabs CRCE, technical council of Fr.CRCE organized a webinar on Design Thinking, Critical Thinking and Innovation Design on 22nd October 2021 from 6 to 7 pm. Kashyap Sheth, a nominated member of Institution Innovation Council (IIC) was the speaker of the webinar. The objective of the event was to encourage and motivate students to think unorthodoxically and come up with new techniques to find solutions to existing problems innovatively. Also to enlighten the young minds about entrepreneurship and startups by developing their own ideas and achieving success in it.



Mr. Irfan Abidi, Vice Chairperson of CodeLabs CRCE started this session with a brief introduction of the speaker. The speaker then gave a quick gist of the topic Design Thinking, Critical Thinking and Innovation Design. Innovation with design thinking demands critical thinking because we must understand our assumptions that frame our ideas and shape our design. By blending design thinking with critical thinking, we foster innovation that delivers customer-centric solutions. He formulated his theory into one simple structural outline.

Empathize→Define→Ideate



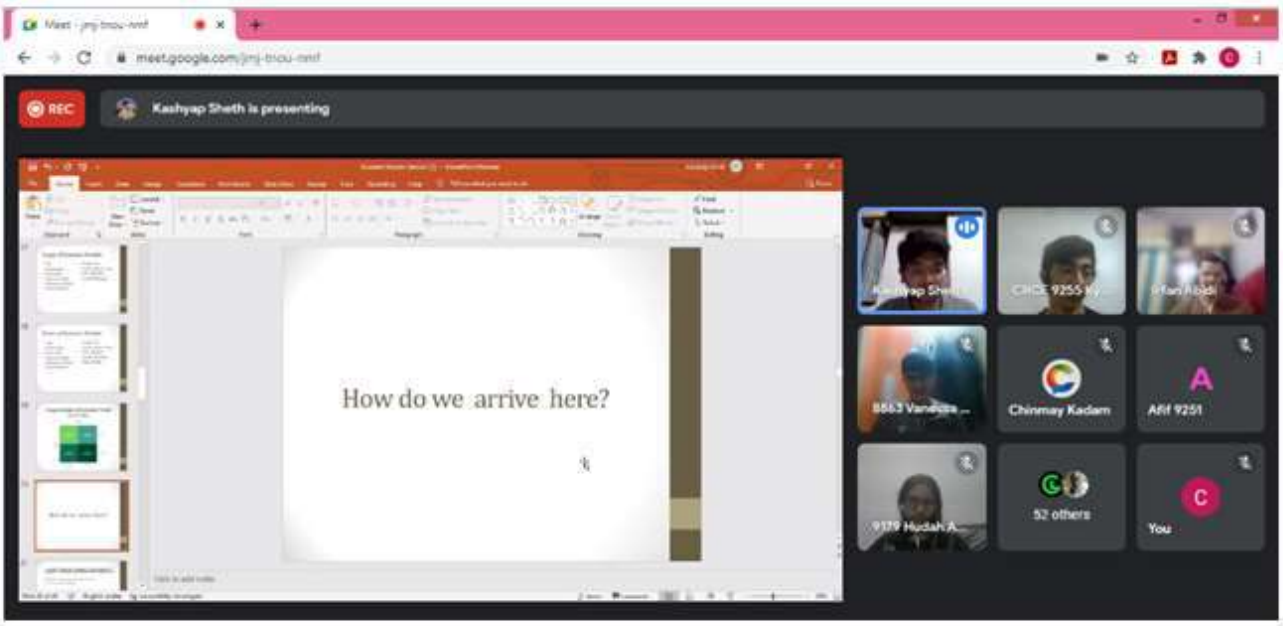
Inculcate into yourself the habit of initializing a answer to the problem. Design and ideate a solution. Build up a business model.

Types of Business Models:

- Fees
- Commissions
- Direct Sales
- Franchise Model
- Subscription Model
- Licensing Model
- Pay per use

- Pay for what you use
- NVA Utilization
- Double Whammy
- Piggy Backing

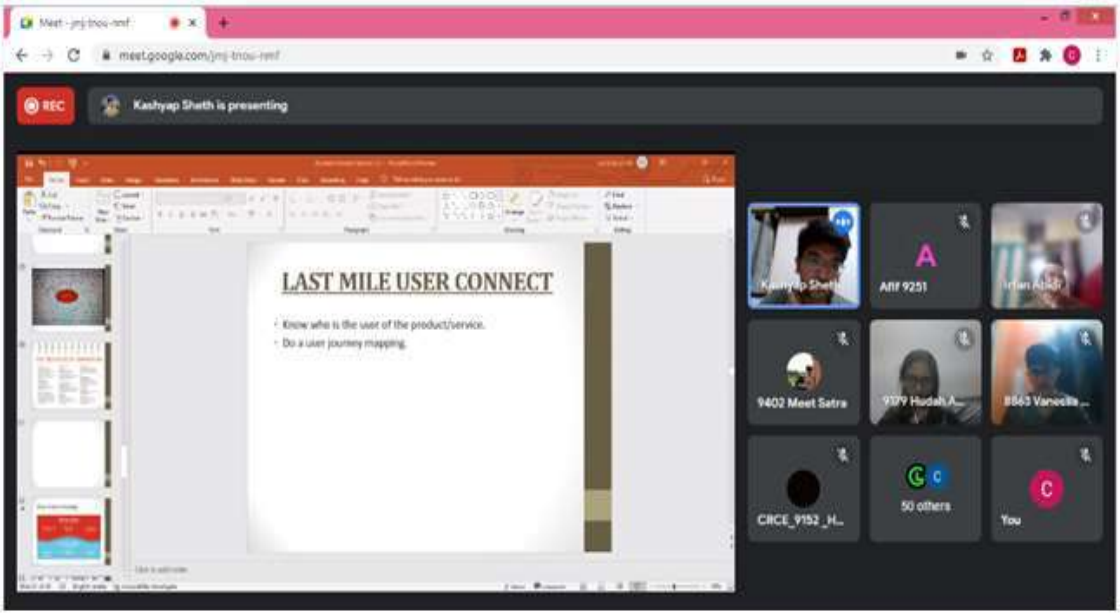
Check out for your competitors. He gave an excellent example of two business models – Amazon and Uber. Amazon is an e-commerce company which connects buyers to sellers and delivers the products. On the other hand, Uber is a service provider which provides hassle free experience in transportation. At first, everyone said that these are two different business models. The speaker then explained the attendees that they are competitors of each other. They do the same job. Pick up and delivery of a person or thing from point A to B using geolocation. After analyzing on this, the attendees agreed to what the speaker was throwing light on.



The core was further formulated to a step-by-step outline:

Empathize→Define→Ideate→Prototype→Test

A user is connected to a brand. A brand is present when the value of what a product, service or personality means to its audience is greater than what it does for the audience. Brand value matters the most. For example: Skybags is not just a business of bags, it is a brand of stylish, glamorous and youthful bags. It defines arriving in style.



One of the important aspect after the product is launched is the feedback. Taking feedback is the most vital part. Innovation is not viable until the users like the product. 92% innovation fail because the feedback is disheartening. Taking an example of BYJU's or Unacademy or Vedantu, parents are the buyers but students are the users. User is the judge. Make sure that the feedbacks are taken positively and try to work hard to improve your product. Edtech companies make sure that the user experience is prioritized. They improve their services consistently leading to the company's growth.

At the end of workshop, the speaker cleared all the doubts that students had in their mind. This event helped students to improve their mindset and put their best foot forward to achieve their dreams. Collaborating and connecting with everyone stitches the dots to a complete line.

A total of 60 students from SE, TE and BE attended the event. The mode of session delivery was Google Meet. A good feedback was received from all the participants. An active participation by the speaker, council members and participants made the webinar a grand success!

Intellectual Property Rights

IIIExCRCE Webinar Report

In the midst of an unprecedented crisis of Covid 19, IIIExCRCE organized a virtual webinar on Intellectual Property Rights on 11th November 2021. The webinar was organized by the council members of IIIExCRCE under the guidance of Prof. Mvb Rao, Dr. S.K.Das , Dr.Bhushan Patil (the faculty advisors of the IIIExCRCE council). The basic idea was to make students understand the rights given to persons over the creations of their own and the way to protect their originality. The webinar was very effective and was a great success. The following is the description and content of the webinar that was conducted by the council.

Webinar Details: -

Speaker – Dr. Shivagong Teli

Date – November 11, 2022

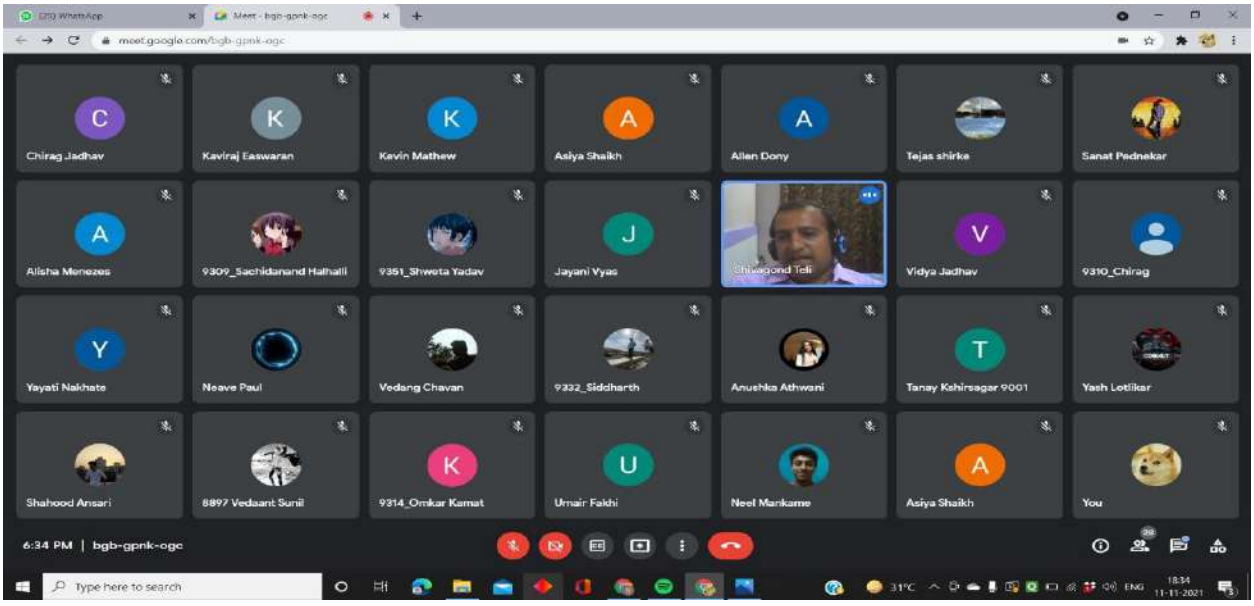
Topic – Intellectual Property Rights

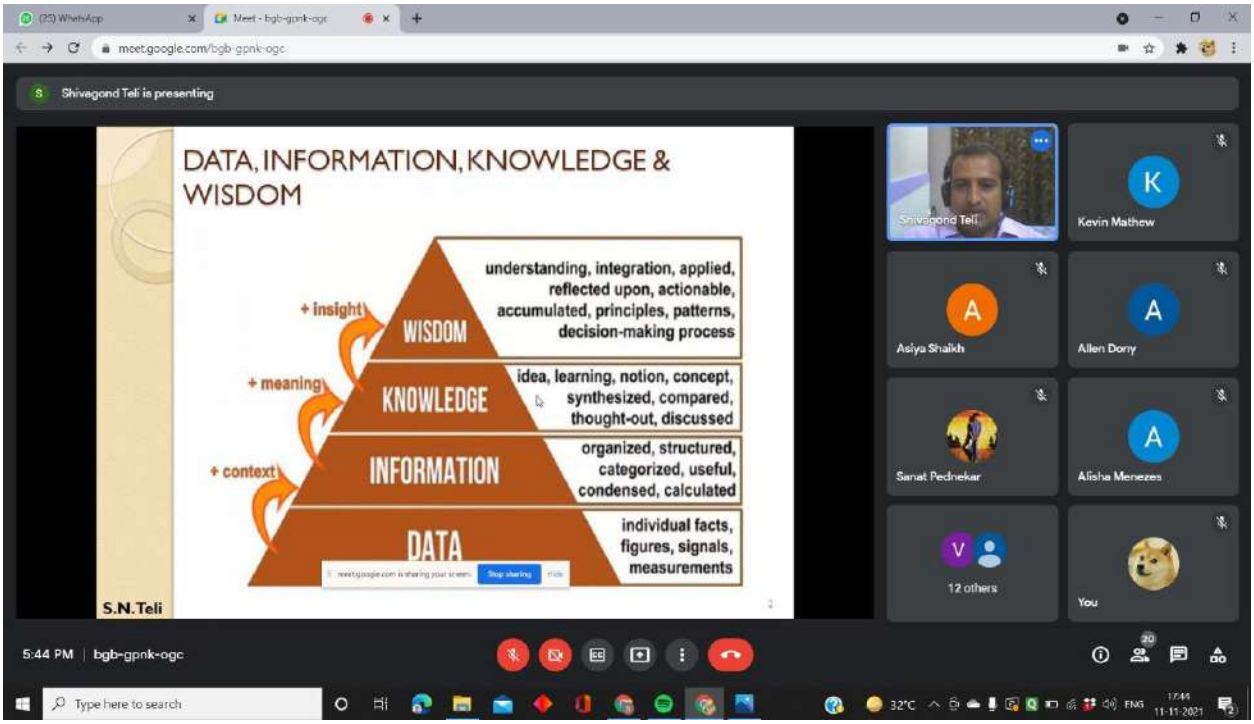
Platform – Google Meet

Dr. Shivagond Teli has 9 patents registered on his name. He has published over 120 research articles and 25 books. He has conducted over 40 expert lectures on the topic, Intellectual Property Rights. He held 4 technical session chairs in the international conference at IIM, Trichy. He has a teaching experience of 22 years in Bhartiya Vidyapeeth College of Engineering.He was the HOD of mechanical engineering branch for 6 years, Dean-Admin for 3 years and Incharge Principal for 1 year in that college. He is also a Phd approved guide of University of Mumbai in Mechanical Engineering. He has visited over 40 industries.

The webinar began at 5:30 pm with one of our council member welcoming and introducing the speaker to the audience. The speaker then started explaining the audience about what exactly is intellectual propert right. He gave a brief idea about what is the meaning of patent, the process of applying for a patent, the advantages of having it, etc in the beginning of the webinar. He explained the audience about the importance and effectiveness of creativity and having a creative mind and how it is the stepping stone for having a patent. He also explained the difference between invention and innovation and also how creativity, invention and innovation are relatd to each other and how it will help the audience to have a patent. He explained how one can convert invention into innovation by discussing about various examples. He then explained about the need of filing a patent and protecting the intelectual properties by sharing his own real life experiences with the audience. He told everyone about intellectual property offices in various parts of India .

He explained the audience about patent products, the duration of the patent and also discussed with them different examples of patent products. He explained the audience about what exactly design patent is in a very detailed manner and also explained them about trademark and copyright. He then showed the audience his own patents and also the patent certificates he owned. He also provided his phone number to everyone present there and told them to contact him if anyone needed any help. At the end he also interacted with the audience and cleared all their doubts. The webinar ended with a count of 28 participants with one our council member thanking him.





Overall, it was a very informative and enriching experience. The webinars crossed 25+ live participants. The participants included students of colleges across India in various fields majoring in Engineering. The session was very informative and students got to learn a lot of new things from the webinar.

The webinar session is available to watch on our YouTube channel IIIExCRCE.

We sincerely thank all the participants who attended our webinars for their overwhelming enthusiasm and support, the faculty advisors and the council members of the IIIExCRCE council in guiding and helping us for successfully organizing this event. We also thank the HOD of the Production and Mechanical Engineering Department Dr.Bushan Patil, the principal Dr. Sreeja Unnikrishnan and the Director of this institution Rev. Fr. Valerian D'Souza for their unparalleled support and blessings.

Regards,

IIIExCRCE

ASME-CRCE organized
Webinar on Project Management

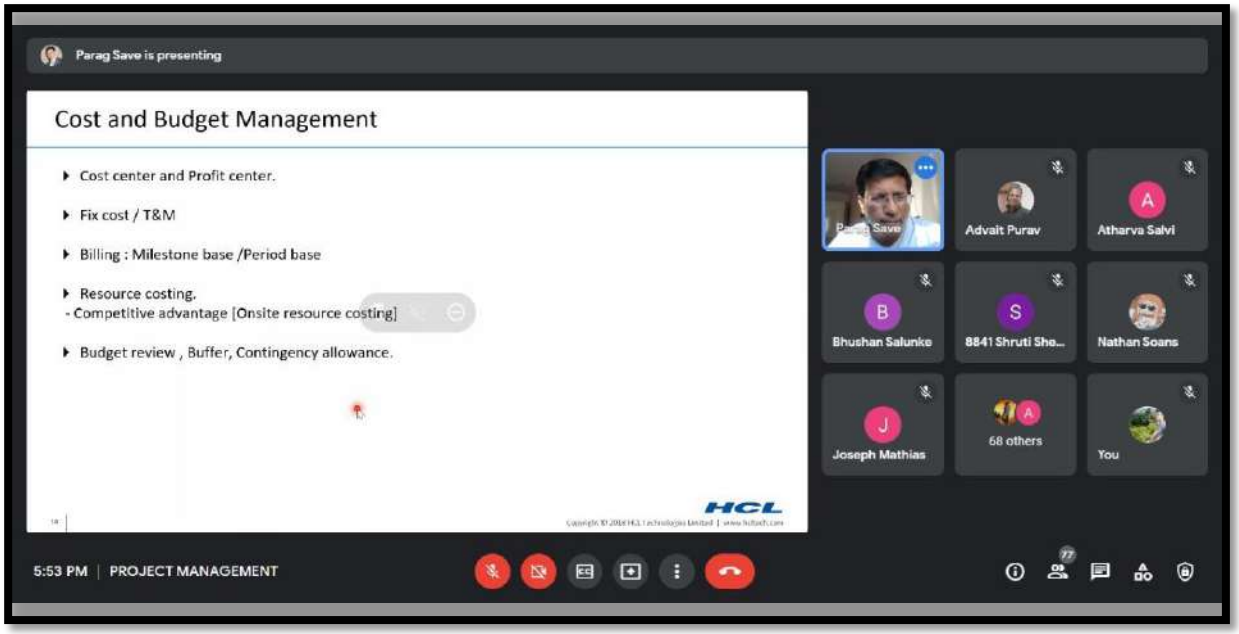
Event Name : Project Management
Date : 13th November, 2021
Platform : Google Meet

American Society of Mechanical Engineers, Fr. C.R.C.E. organized a webinar on Project Management on 13th November, 2021. The objective of the event was to gain detailed knowledge about Project Management in the field of Engineering Management as a Manager.

A total of 77 students from SE, TE and BE attended the session. The mode of session delivery was Google Meet.

Mr.Parag Save(Speaker)

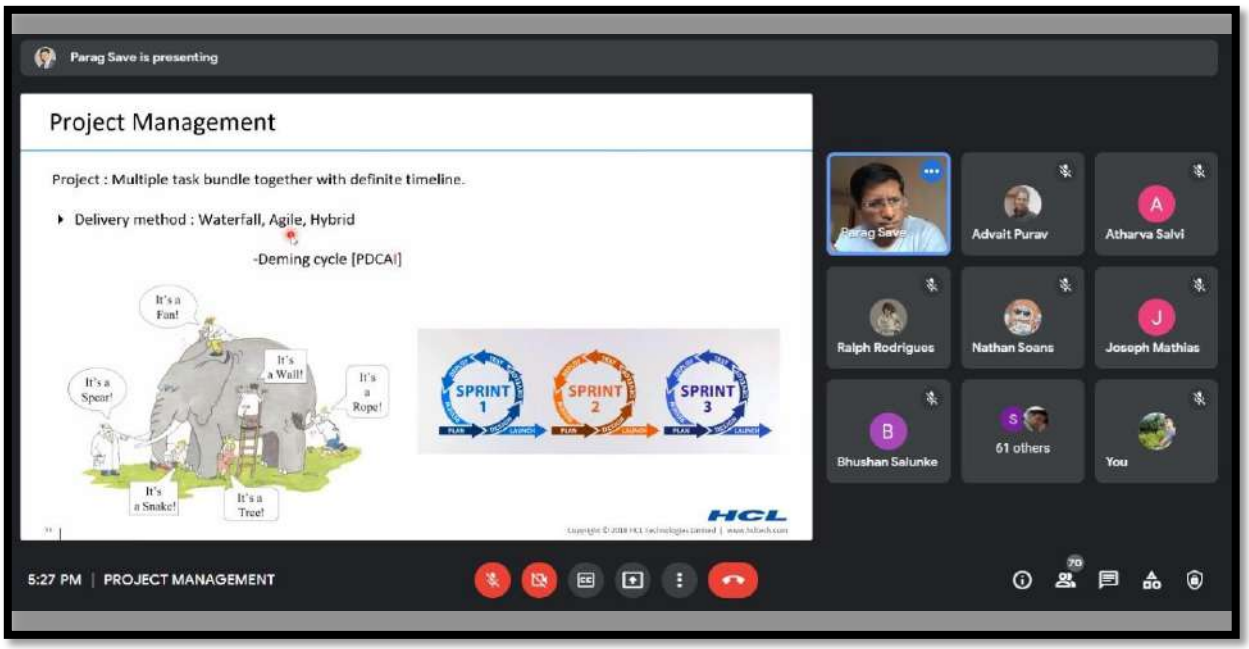
The speaker for the session was Mr. Parag Save Sir. Mr. Gaurav Sen is a project manager at IBM, Germany. He is an alumni of Fr. CRCE (Production Engineering, 2004). He worked in many companies before IBM and plans on working in HCL in a few years.



The session began with the speaker narrating his experiences as a student of CRCE and life after graduating from CRCE. In the first few minutes of the webinar, the speaker chose to talk about importance of time and how to begin a webinar.

Mr. Parag Save explained waterfall methodology and its importance in project management. He was kind enough to tell all the participants that if any of them visited Berlin, we may feel free to contact him and get his guidance if needed. He gave an example of guidance by comparing learning of Laplace method through YouTube and learning Laplace method by Sundary Ma'am. He learned Laplace method from Sundary Ma'am many years back, but it is still engraved in his memory.

The second half of the session included tips and tricks considering importance of personality development and basic etiquettes to be followed when working for a professional company. Questions from the audience were answered during the session itself.



The questions asked by the audience included such as

- What is Waterfall methodology?
- What strategy does Walmart use when its item is unsold?
- Why is time management important?

The outcome of the event was that all the students learned and cleared their doubts regarding Project Management and its uses regarding Corporate Sector. The session also helped the students realize how important is Time Management when it comes to personality building. It enlightened the students about what they should do in future.

Good feedback was received from all the participants. An active participation by the speaker, council members and the participants made the Project Management webinar a grand success!

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

IIC-FrCRCE

WEBINAR REPORT: PROCESS OF INNOVATIVE DEVELOPMENT
DATE: 6/01/2022

Webinar Report:

The webinar organized by E-cell FrCRCE was a live session on **"Process of Innovative Development"** by Mr. Dinesh Israni, engineer & entrepreneur, from Naman India Angels Foundation was an exceptionally brilliant and truly inspirational session.

Name of the event: **"Process of Innovative Development"** by Mr. Dinesh Israni

Date of the event: **6th January 2022**

Platform of the event: **Google Meet**

Sponsoring organisation: **E-cell and Institute Innovation Council (IIC)**

Total number of participants: **53**

The webinar began with an introduction of the speaker to the participants by **Ms. Esha Sharma**, which was followed by a short briefing.

The webinar was then taken over by **Mr. Dinesh Israni** who gave us a very informative and helpful webinar on Process of Innovative Development. The objective of this webinar was co-creating a culture of innovation among students. Going forward with this, Mr. Dinesh Israni started speaking about what it takes to actually be innovative by simplifying the word "kar" into a mathematical equation where K stands for Knowledge, A for Action and R for the Result, and the complete equation looks like **K**nowledge + **A**ction = **R**esult.

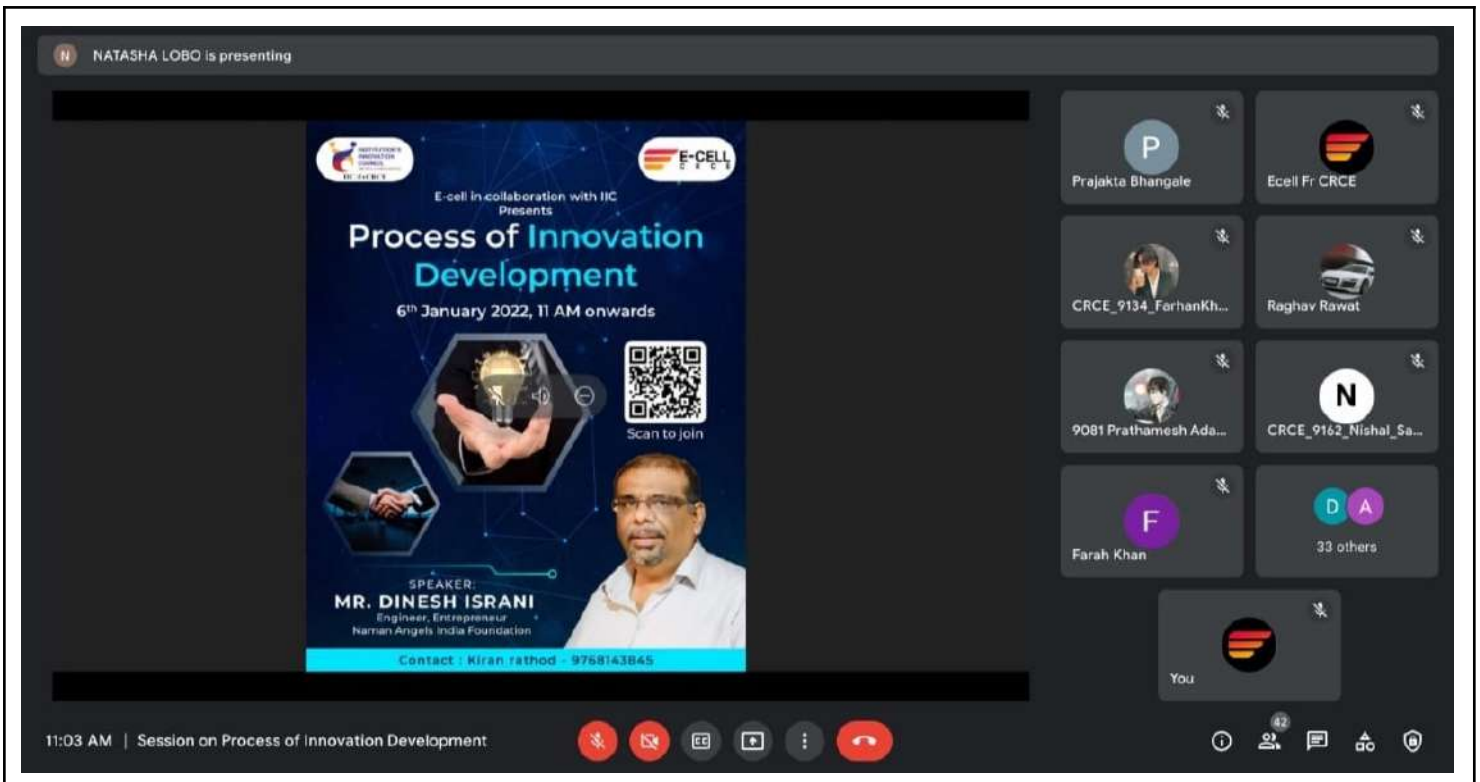
Innovation process of Explore-Try-Do was further discussed and a question was put forward for the participants as a problem statement on why we don't innovate, i.e "Why risk it when we are doing fine", which was sufficiently answered with the statement that it is the buts that stop us from innovation. Sir also discussed why we should have a vision and a mission which creates an innovative background.

And perhaps the most important bit of the webinar was discussed next where sir talked about the seven considerations for co-creating a culture of innovation which were - Foundational Context, Trust, Environment, Know-How, Commitment, Collaboration and Risk & Failure. Sir then completed his bit of the session by aptly summarising the whole webinar, which was followed by a brief period of Q&A where sir to the best of his knowledge answered all the questions with the utmost of patience. The webinar was then concluded by a brief note of thanks by **Ms. Esha Sharma.**

The webinar was well received by the students and teachers alike. The objectives of E-cell for organizing the event can be said to be achieved due to precise answering of some of the important questions by speakers dealing on issues like such invention, innovation and entrepreneurship. Overall it was an amazing webinar and the E-cell and students would be eagerly waiting for further sessions provided by “Naman Angels India Foundation.”

Prof. Prajakta Bhangale
(Teacher incharge)

Yash Deshmukh
(General Secretary)


NATASHA LOBO is presenting
E-cell in collaboration with IIC
Presents
Process of Innovation Development
6th January 2022, 11 AM onwards
Scan to join
SPEAKER:
MR. DINESH ISRANI
Engineer, Entrepreneur
Naman Angels India Foundation
Contact : Kiran rathod - 9768143845
Prajakta Bhangale
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Raghav Rawat
9081 Prathamesh Ada...
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Farah Khan
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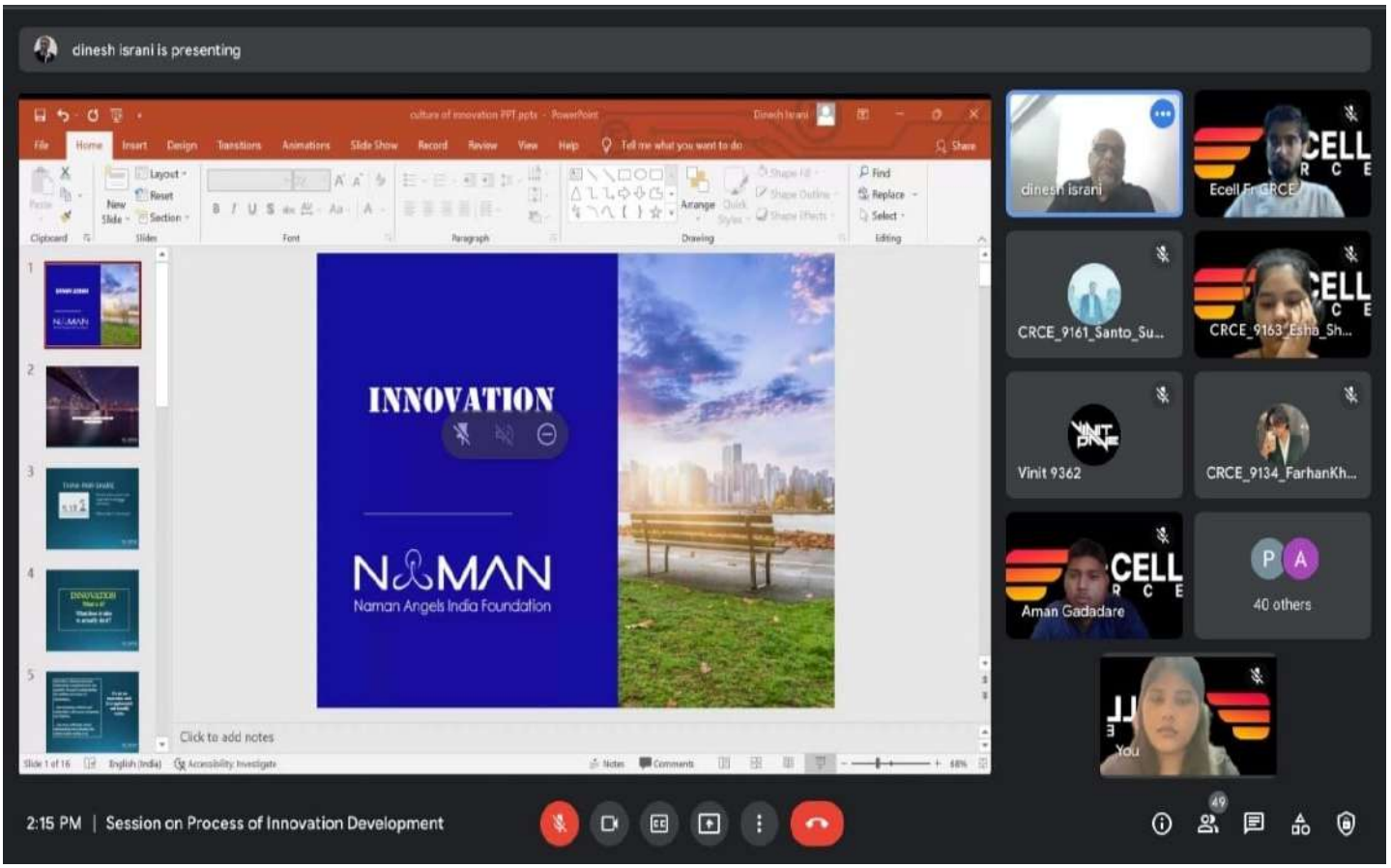
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Report on Keynote Address- II: Invited Key Note Address by Shri. Gautam Kumar, Founder, FarEye Pvt.Ltd

Speaker - Shri. Gautam Kumar

Date – January 11, 2022

Topic - E-Symposium on Building Innovation and Entrepreneurial Ecosystem in educational institutions.

With the key idea to build a strong ecosystem for nurturing innovation and start-ups in the country, the department for promotion and Internal Trade (DPIIT) organized the Start-up India Innovation Week on Best Innovation and start-up practices in higher educational institution on 10th January 2022. Mr. Gautam Kumar, Co- founder and COO of Far Eye, an intelligent delivery management platform was invited as the speaker for this event. The no of participants involved attending the live sessions was 37.

In the beginning the host of the event gave a short introduction of the speaker. Mr. Gautam Kumar began his talk by narrating his story on how he understood the idea of building businesses by attending various events and learning from other entrepreneurs in the industry. According to him, passion, perseverance, hard work and willingness to solve a problem are the key points that help in building a strong business. In the second half of his talk, he spoke on how applying new technologies helped them scale the business and work

towards more consumer satisfaction. A few of the technologies to mention were the use of Machine Learning and AI to understand consumer behaviour along with briefing on how e-commerce has developed over the years and how it has played an important role in achieving consumer satisfaction.

Lastly, the speaker encouraged every young attendee to go ahead with his/her business idea if they are willing to solve a problem and see potential in the product they wish to develop. According to Mr. Gaurav, as India shows great potential to being able to develop businesses due to its low cost of operation, greater accessibility and as foreign countries show interests in investing in India, it is a golden opportunity that young minds who are willing to start their new ventures in the field of business must consider.

A short Q&A session was conducted in the end to cater to the doubts the students had regarding building a business and on the use of technologies like blockchain. The session was concluded with a vote of thanks and every participant was able to understand the key ideas behind building business.

Date: 10 January 2022

Platform: Online

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

Keynote Address-IV: Invited Key Note Address by Shri Ankit Agarwal, Founder & CEO, Phool

Event Name : E-Symposium on Building Innovation and Entrepreneurial Ecosystem in Educational Institutions

Date : 12th January, 2022

Platform : Youtube

The speaker for the event e-Symposium on Building Innovation and Entrepreneurial Ecosystem in Educational Institutions for the 'Azadi Ka Amrit Mahotsav: Innovation Week Celebration' was Shri Ankit Agarwal, Founder & CEO of Phool.

Every year, almost 800 tonnes of sacred flowers offered in temples are dumped in rivers. The pesticide and chemicals used in these plants reach the river water and contaminate it. This contamination is the leading cause of dysentery, cholera, hepatitis which leads to an increase in child mortality rates. Mr. Ankit came up with different ideas in which he could use these flowers. The process to gather and arrange the flowers is as follows, the trucks will collect flowers from temples, the segregation of the flowers with other products like paper and plastic would take place, followed by cleaning and sun drying the flowers. These flowers were either used to make charcoal-free incense sticks or to make a compound florafoam similar to the pollutant Styrofoam. However, florafoam is home compostable and 100% biodegradable as compared to styrofoam that cannot be recycled. He also found a way to use flowers to make leathers.

Phool has employed around 126 women who previously were holding jobs that were considered lower jobs like cleaning toilets. Phool is making a change, not only for the environment but also for societal changes. Mr. Ankit was asked what made him leave his job to take this entrepreneurial step and he responded by mentioning his need to find a solution for the pollution in Ganga and to make some changes to the working of the world.

The future plans of Phool is to market their product i.e. fleather (floral leather) substitute for leather. Fleather has been certified and has great durability and other features that makes it a perfect and environmentally friendly alternative to leather. There are also plans to collaborate with other temples to get more flowers. Mr. Ankit Agarwal certainly gave us an understanding of how a small idea or thought can become the change we require in our world. There were a total of 40 participants for this event.

INSTITUTION'S
INNOVATION
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fr.CRCE
FR. CONCEICAO RODRIGUES
COLLEGE OF ENGINEERING
MOULDING ENGINEERS WHO CAN BUILD THE NATION

Date: 22/1/2022

Name of topic: Innovation and Entrepreneurship

No of participants: 15

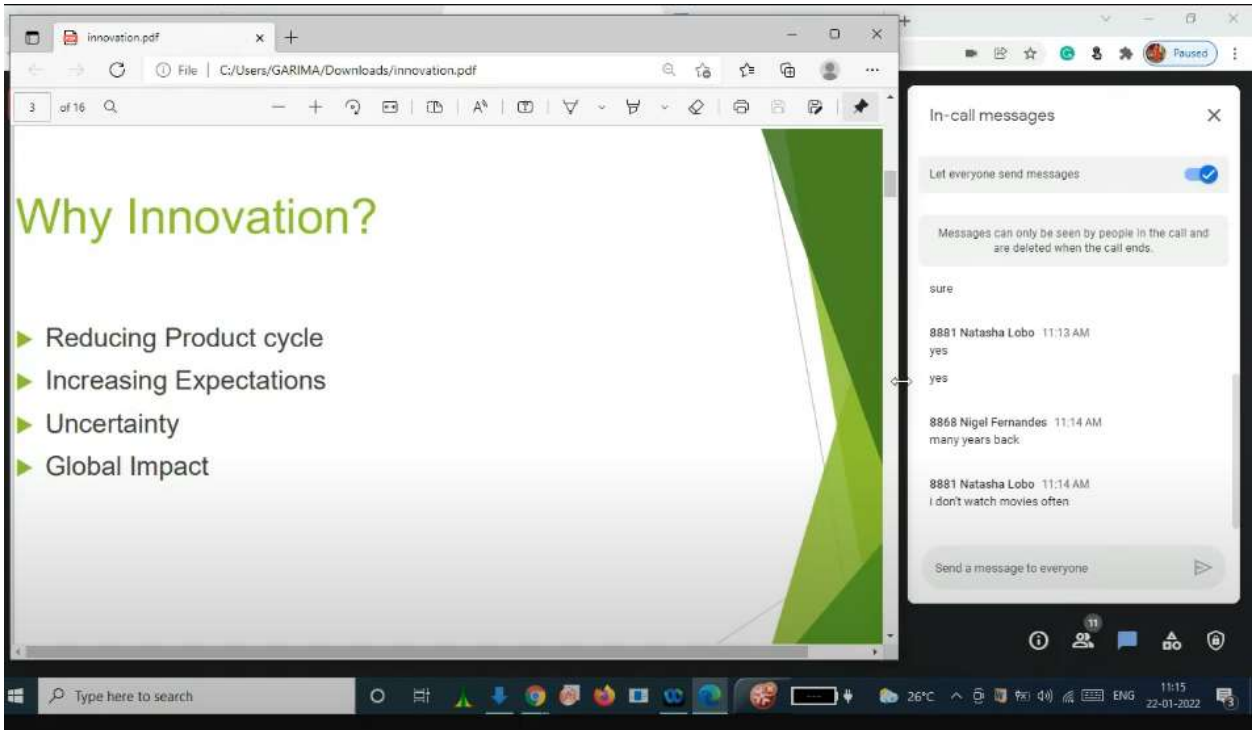
Mode of conduct: online

Institute name for which session conducted: Fr. Conceicao Rodrigues College of Engineering

Outcomes of the session: Students will be able to :

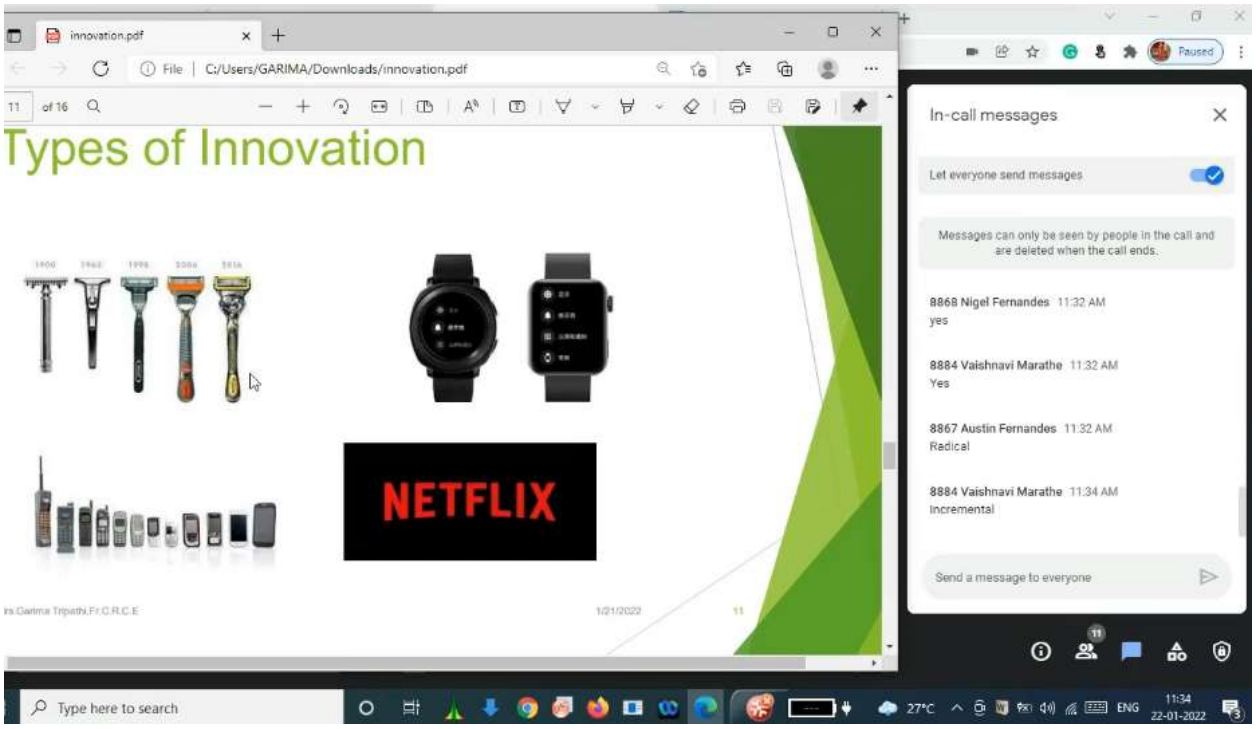
1. Understand innovation and the need for innovation
2. Identify the different types of innovation.
3. Understand the difference between Invention and Innovation.
4. Develop an innovative mindset.
5. Understand Entrepreneurship.

Prof.Garima Tripathi conducted a seminar on “Innovation and Entrepreneurship”. The session commenced by defining the objectives of the seminar.
The need for Innovation was discussed in the current business environment. How factors like Changing product lifecycle, increasing expectations, uncertainty, and global impact play a role in deciding a product’s position in the market. So, with all these factors how Innovation is the only solution left out to stand in the competition.



The difference between Invention and Innovation was explained to the students. It is the impact that is created when an idea is implemented which defines Innovation. The most important factor that leads to Innovation is the curiosity that people have. The source of innovation comes basically from three sources: Feel the pain,see the waste and sense the wave.

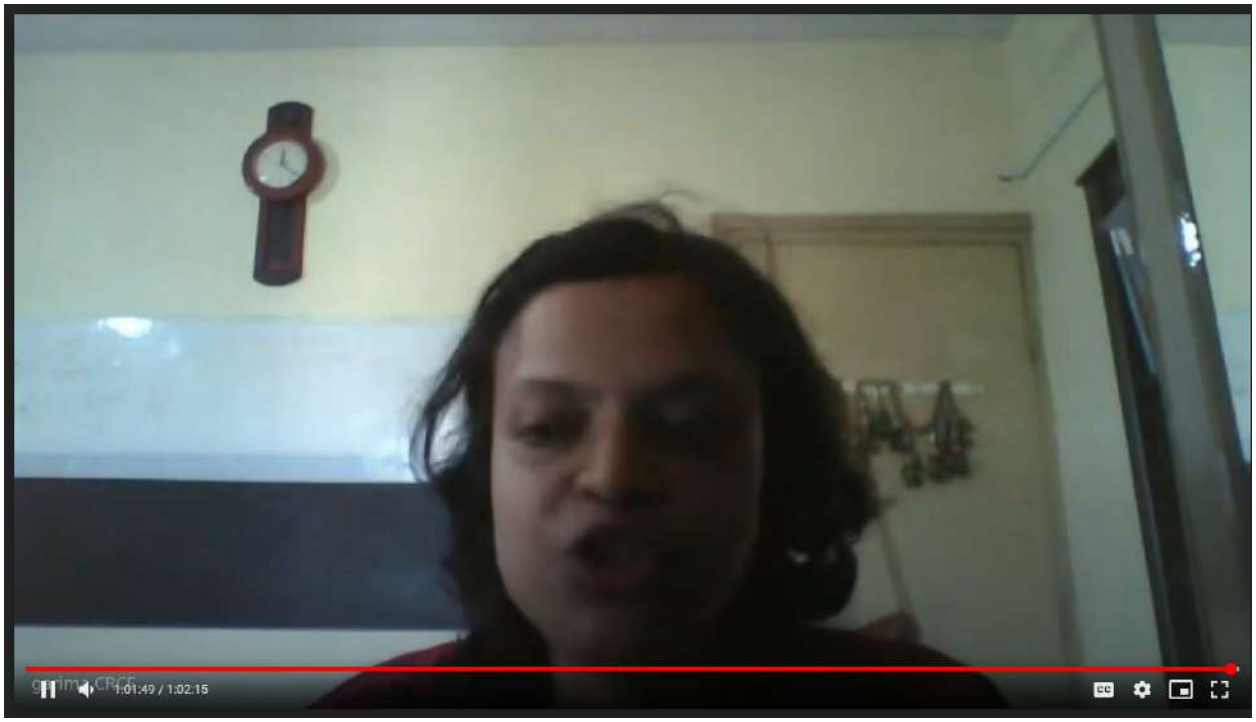
Different types of Innovations were discussed with students with examples. The different categories of Innovation according to the new technology and markets were described to the students as:
Incremental,Architectural,Disruptive,Radical .



Students were guided on how to develop an Innovative Mindset. How curiosity and creativity play a major role in innovation. The sources of Innovation were also mentioned.

Next students were briefed with the Entrepreneur qualities and how Entrepreneurship leads to the development of the country and contributes to the growing economy.

Two case studies were also discussed with the students so that they can learn and be motivated by the entrepreneurial journey of the most successful entrepreneurs in the world.



The session ended with a question and answer round where students asked their doubts regarding how to pitch for a new idea and as to how they can be funded for the same.

Students were briefed about the Government's initiatives for Innovation and Entrepreneurs. Also were asked to visit the portal in case of any queries regarding the same.

Submitted by
Mrs.Garima Tripathi
Assistant Professor
Fr. C.R.C.E

Fr. Conceicao Rodrigues Memorial Hackathon
UNSCRIPT 2K22

Event Name: Unscript 2k22
Date **:** 22nd – 23rd January, 2022
Platform **:** Google Meet

We conducted the most awaited Fr. Conceicao Rodrigues Memorial Hackathon, "UNSCRIPT 2K22" on 22nd - 23rd January 2022. A hackathon gives student developers the opportunity to come together, work collaboratively, tackle problems, and compete for fame and glory. The primary goal of this event was to raise awareness of technical talent and foster a competitive, yet cooperative, and congenial culture for talented individuals. Such events motivate students to think unorthodoxically and come up with new techniques to find solutions to existing problems. It also allowed participants to connect with industry expertise, faculty mentors, and most importantly, with each other.

Planning:

Drafting a plan for the Hackathon began in November 2021. An internal call for sponsors was sent up which was approved by the management, confirming funding logistics and prize money. An external call was sent out simultaneously to corporate partners for their association in any form possible. Availability of judges from TCS was confirmed by the beginning of January. Weekly meetings were held throughout November-December, with an hour-by-hour timeline available to the organizers team and judges before the event.

Event Publicity:

A Public Relation team was appointed to efficiently communicate and generate positive publicity for our event. Students were briefed about the registration process through social media platforms like Whatsapp and Instagram. Twitter, LinkedIn and Instagram were used to advertise about the Hackathon. A MoU was signed with Devfolio, which is a digital platform that provides registration portal and undertake digital marketing of events. As a result of effective publicity, we received a whopping 90 plus teams registration from different colleges across the country. Around 350 participants registered for the event. We were thrilled to host a National Level Hackathon.

Event Timeline:

On receiving 90 plus teams registration, the short listing process was initiated which included scrutinizing team profiles followed by a technical telephonic interview. Later it was reduced to top 60 teams, the results along with the four problem statements were announced on 21st January 2022.

The participants started checking in at 10 am on Saturday, 22nd January 2022. The hackathon began with the Inaugural Ceremony conducted on Google Meet, which was live streamed on Youtube. Ms. Vanessa D'mello, Event Coordinator of Unscript 2k22 started this ceremony with a warm welcome to everyone. Our Principal, Dr. Srija Unnikrishnan addressed the participants followed by a speech by the Chief Guest, Ms. Ipsita Bhattacharya who is the HR Project Manager at JP Morgan Chase and Co. Speeches given by our dignitaries were very enlightening and encouraged all the students to put their best foot forward to achieve their goal. Mentoring sessions were arranged at the start of coding which included expert mentors from

corporate houses like Quantiphi, CarWale, BrowserStack, UBS and Oracle. Students programmed non-stop from 10:30 am Saturday till 10 am on Sunday, In between we had two rounds of evaluations. We broadcasted the 1st Round of Evaluation at 7:00 pm on Saturday and 2nd Round of Evaluation at 7:30 am on Sunday. Top 4 teams per problem statement were selected on the basis of their performance. Presentations and judging rounds were wrapped up by 1:30 pm on Sunday, November 22nd. Every Problem statement had a winner and a runner-up and was rewarded with prize money of 10,000/- and 5,000/- each respectively. During the Closing Ceremony, Event Coordinator Ms. Vanessa D'mello announced the winners of the Hackathon.

Winners:

There were four Problem Statements:

PS1: Web / Mobile Development (Build a hackathon management platform for ensuring smooth communication between organizing teams and participating teams)
PS2: Machine Learning / AI (Build a Mathematical Model using ML and Signal Processing Concept to process skin issues into dryness and oiliness)
PS3: Blockchain (Build a user verification system)
PS4: Open Innovation (To develop a software solution of own choice)

Judges scored the participants based on solutions creativity, technical depth, challenge of doing the task in a short stretch of time and efficiency in the real world.

Winners of the Hackathon for given problem statements in order were:

1. Team: fSociety (UNS_13)
2. Team: The Bug Squashers (UNS_23)
3. Team: Debug_Entity (UNS_42)
4. Team: Dark Coders (UNS_43)

Runner-up of the Hackathon for given problem statements in order were:

1. Team: BazingaCoderzz (UNS_2)
2. Team: Data Pirates (UNS_40)
3. Team: AccessDenied (UNS_8)
4. Team: V3NOM (UNS_26)

Social Media Coverage:

We leveraged Twitter, Instagram and Facebook for publicity and sourcing insights, publishing photographs and commentary throughout the entire event. It was done by official Instagram accounts @unscriptcrce, @Mozillaclubcrce and @Codelabscrce. Organizers and student participants also chimed in with their own tweets and thoughts about the event under the hashtag **#hackathon #unscript2K22 #frcrce**. Instagram ads were run 2 weeks prior to the hackathon to generate more awareness about the event. Majority of participants were gathered by sharing Instagram posts on stories of students which allowed the hackathon to be more visible on the platform. Devfolio also had our hackathon on their list which allowed more students to participate. Participants were also told to share a story about the hackathon on their Instagram account. LinkedIn was also used to publicize about the event through CodeLabs LinkedIn account.

Infrastructure:

The whole event was conducted on Discord as each team was given a separate voice channel and a text channel. Each member of the organizing team was appointed 5 teams to look after in the hackathon on the discord server. There were 6 public text channels provided for announcements, guidelines, rules, helpdesk and a mentor's help channel. Each channel was used for gaining any kind of information about the hackathon from the organizing team. The mentors were also added to the server for helping the participants if they need any help during the course of the event. The inauguration and the closing ceremony were done on Google Meet and also live streamed on YouTube. The mentoring and judging rounds were conducted on Google Meet and each team was given a time slot for their mentoring and judging sessions. Final judging round of a problem statement was also live streamed on YouTube.

Acknowledgements / Personnel:

The round-the-clock event required significant personnel. We would like to thank everyone involved in the Hackathon.

Organizing team: CodeLabs CRCE and Mozilla Campus Club CRCE

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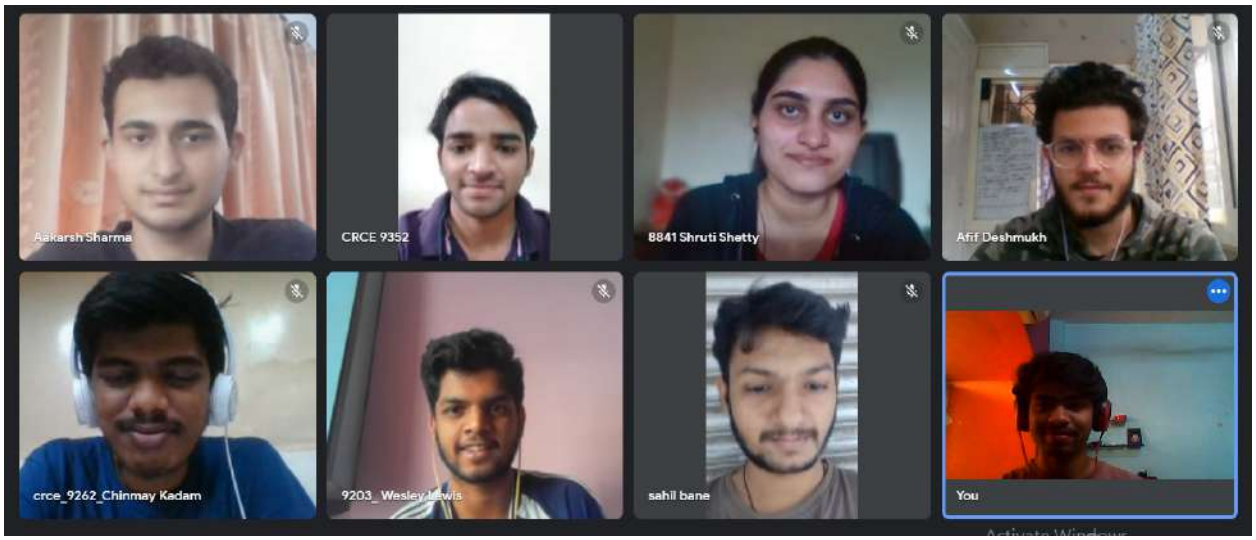
FR. Agnel Ashram, Bandstand, Bandra (W), Mumbai_ 400 050

INSTITUTION'S INNOVATION COUNCIL
IIC-FrCRCE



Event Coordinators: Prof. Kalpana Deorukhkar, Prof. Nilesh Patil, Prof. Saurabh Kulkarni

Faculty Mentors: Prof. Monali Shetty

Judges: Mr. Rohan Sawant (Founder at Ionio), Mr. Sumit Tyagi (Data Scientist at Absolutdata Analytics), Gaurav Sen (Founder at InterviewReady), Dr. Dhananjay Kalband (Founder and Chairperson at Skinzy), Mr. Darshan Savliya (Co-Founder and CEO at Skinzy), Ms. Shwetambari Borade (Skinzy), Mr. Siddhartha Ghosh (TCS), Mr. Yeshwant Gaikwad (TCS), Mr. Shaun Kollannur (MS Student at University of Illinoi, Chicago), Mr. Dastageer Sayed (Blockchain Developer)

Data Structure and Algorithm (DSA) Webinar:

Webinar conducted by Geeks for geeks gave a quick glance through the resources available on their website for interview preparation. Learning DSA helps students get solutions to standard problems in detail and gives an insight into how efficient it is to use one of them. It enables one to choose the best of various choices. Interviewers are more interested in seeing how candidates can apply the right logic to solve a problem.

Feedback from Students:

Post the event, teams shared their feedback through Devfolio and Discord Server, “My hearty congratulations to the organizing team for conducting such a successful event. It was a great experience to build a project within 24 hours! The team members were available on the discord server to guide us if we had any queries. Thank you team.” said one student. When asked “What did you like the most about this event?” They enjoyed the choice of prizes and also, mentors were available throughout the event. Several students appreciated the spirit of energy and fun at the event.

Report by:
Documentation Head: Pooja Banjan

WEBINAR REPORT

Session on

CREATIVITY

Innovation Ambassador

DATE: 24 January 2022

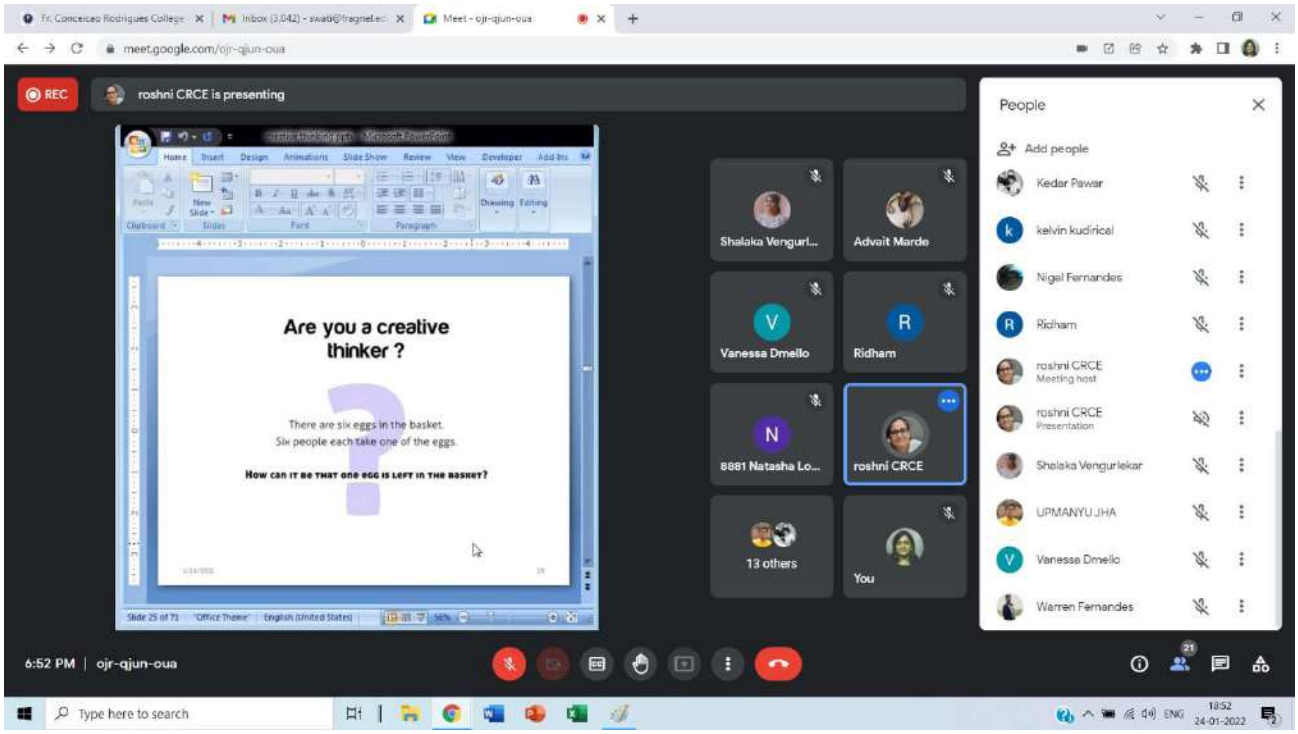
Event : Talk by Prof. Roshni Padate-Innovation Ambassador on the topic

"Activities for improvement of Creativity"

Date : 24th January, 2022
Platform : Google Meet

IIC organized a session on the topic: Activities for improvement of creativity on 24th January, 2022 from 6:30 pm to 7:30 pm. The objective of the event was to encourage students to improve their creativity and think creatively.
A total of 23 students attended the session from our college. The mode of delivery was Google Meet.

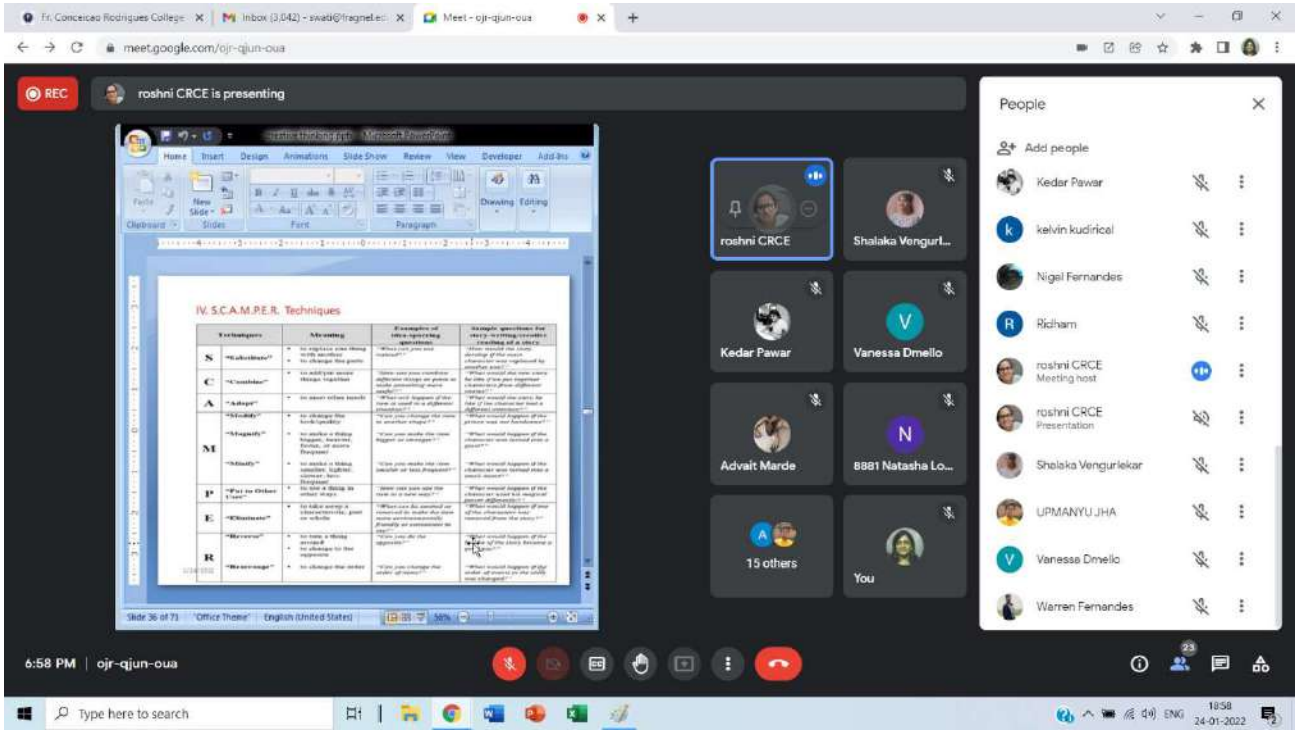
The speaker for the session was Prof. Roshni Padate, who is an Assistant Professor in Fr. Conceicao Rodrigues College of Engineering and is the IIC-Innovation Ambassador.

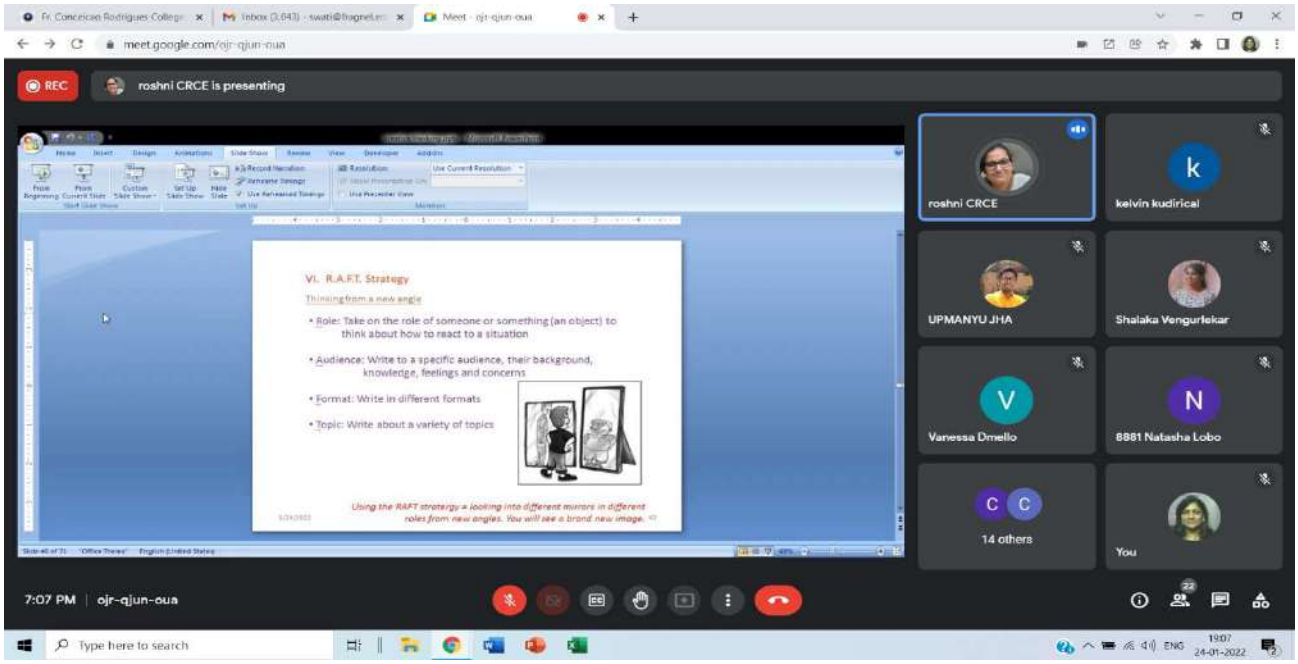


The session began with the speaker giving a brief outline of the session which included topics such as critical thinking, creative thinking, creative methods, creative thinking methods, critical thinking techniques.

The next topic was creative thinking, ma'am quoted Edward de Bono who described the meaning of creative thinking. Later ma'am discussed the differences between critical thinking and creative thinking.
Moving on, she discussed the characteristics of a creative person and creative methods which includes: Evolution, Synthesis, Revolution, Reapplication, Changing Direction and Negative attitudes that block creativity.

She then gave a brief description of what exactly critical thinking is and the features of critical thinking which consists of curiosity, creativity, skepticism, analysis and logic which was followed by a description of the various types of critical thinking activities like brainstorming, Mind Mapping, Morphological Matrix, SCAMPER techniques, Value Grid and RAFT strategy.





Ma'am then explained the audience 5 ways by which they could improve their creative thinking which includes the following:

1) Create three if's (questions deciding what could happen if we did something)
2) Practice dreaming
3) Make time for cohesive creative thinking.
4) Learn to pitch your ideas
5) Bounce ideas to others

Moving on ma'am gave an example to check the creative thinking of the audience. She then took a case study conducted on creative thinking which was conducted on 9th grade students which depicted the creative thinking ability of the students.

Ma'am then displayed a video in which it was shown how to improve creative thinking techniques following which she when on to discuss five exercises to make audience smarter, theyare as follows:

1) Paper clip test- write down 20 uses of a paper clip
2) Upside down image- draw an image(example: picture of elephant) in an upside downmanner
3) 5 by 5circles- draw any objects/symbols in the circles
4) Complete the image using a partial image
5) Nine dots- connect the dots using minimum number of lines and without lifting the pencil.

The outcome of the event was that all the students understood the various activities for improvement of creative thinking. An active participation by the students made the event a grand success.

Orientation Session on IIC4.0 & Features - MoE's Innovation Cell

Event Name : Orientation Session on IIC 4.0 and Features
Date **:** 24th January, 2022
Platform **:** YouTube Live

The Ministry of Education's Innovation Cell (MIC) organized an orientation session on the fourth edition of the Institute's Innovation Council(IIC) on 24th January, 2022. The objective of this session was to address the audience of all the achievements that have been accomplished by all the IIC Institutions also the goal of the session was to introduce the audience with the new features added to the IIC 4.0 portal and to make everyone familiar with it so that it can be used efficiently by all.

An audience comprising of many students from various colleges including students and faculty from our college as well attended the session. The mode of conduct for the session was YouTube Live. The speaker for the session was Mr. Dipan Kumar Sahu, the Assistant Director at the MoE's Innovation Cell.

The speaker began the session by discussing the various programs that are managed by the Innovation Cell with the help of a PPT presentation. The speaker mentioned that a few programs such as Institute's Innovation Cell (IIC), National Innovation and Startup Policy (NISP) and Atal Ranking of Institutions on Innovation Achievements (ARIIA) are well integrated and designed in such a way that each one of them complements or assists the other one, like the NISP helps in policy formulation, IIC then works on implementing those policy and ARIIA gives ranking to the institutions based how well the policies are implemented.

The speaker further went to explain the impact that each of the programs has created on a national level and the way in which they are contributing towards sustaining the startup and innovation movement. Firstly the speaker spoke about the NISP program, he said in the time span of one and a half year nearly 4000 faculty coordinators have been trained on how they must plan, design and deploy various innovation policies on an institute level. The objective is to make sure that all the policies designed in the institutes must also consider the policies implemented on a various higher levels so that the institutes can use all the resources available to them to the fullest. Next the speaker spoke about the ARIIA program, he mentioned that the no. of college taking part in the rankings has risen over the past years. He also the urged the institutes to register themselves in the ARIIA program as it supports the institutes on improving their learning ecosytem. Then the speaker spoke about positive impact created by IIC councils set up in the institutes and how the events organized by the coucil has helped in promoting innovation and entrepreneurship. The speaker then displayed a slide containing some common FAQs related to IIC 4.0. The speaker addressed those questions and thus cleared any sort of doubt.

Further in the session, the speaker went to present the new features included in IIC 4.0. One of them is the weightage and scores given to the different categories of activities. The speaker even explained all the categories and the type of activities that fall under them. Another newly introduced feature is the classification of institutions. There are two levels of classification the first one Classification I includes deemed and affliated universities, and affliated and stand alone institutes. The next level Classification II includes technical and non technical institutes.

Next the speaker discussed the newly added features on the IIC portal. Through the help of these features the institutes can track the progress of their activities, they can apply for various governemnt schemes and programs by checking their eligibilty, IIC institutions can affliate themselves with Atal Tinkering Labs set up in schools, institutes can contribute towards building a resource repository which can be used by all the IIC institutions, IIC institutions can refer other new institutes that are not a part of IIC and can earn credits for getting a better rank.

Lastly the speaker mentioned about the Q&A sessions that will be conducted for colleges, to resolve any kinds of query that they might have. At end of the session, Mr. Dipan Sahu thanked the audience for attending the orientation session and wished everyone a best of luck for IIC 4.0.

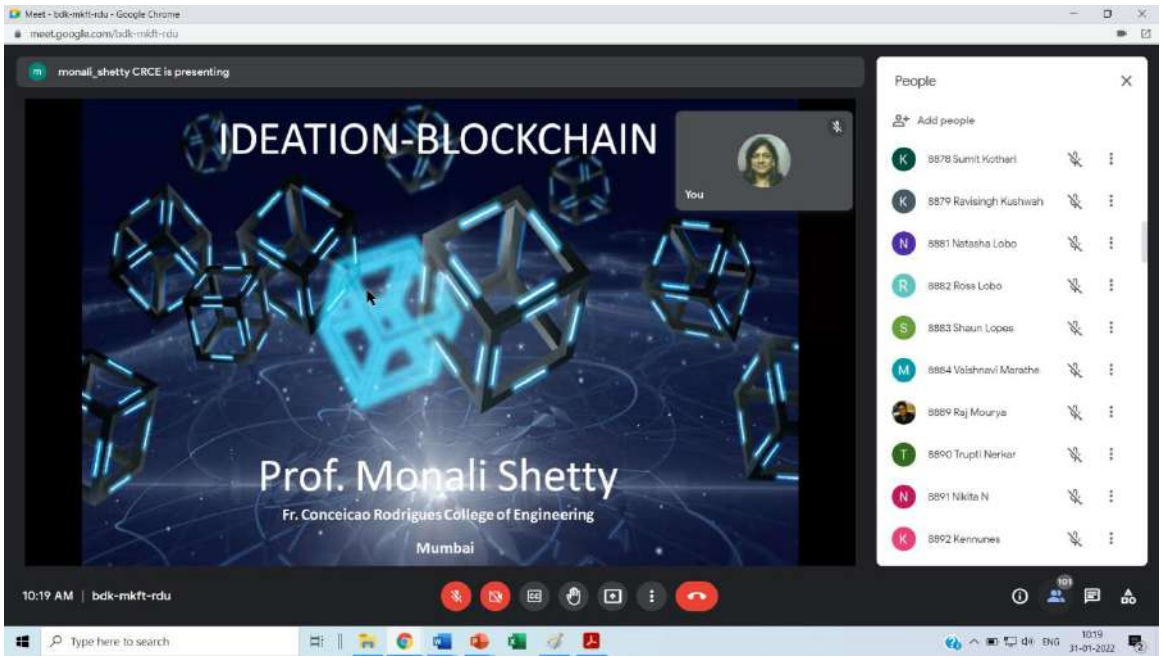
IIC –CRCE Organized session on Ideation : BLOCKCHAIN

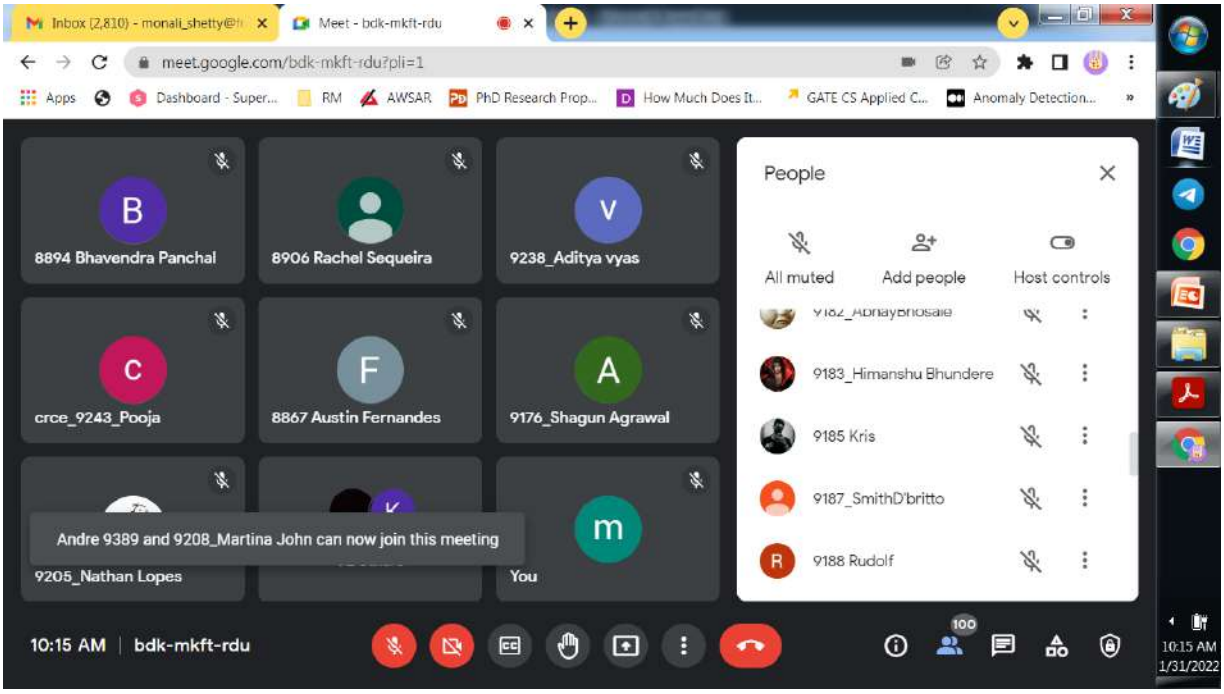
Event Name : IDEATION: BLOCKCHAIN
Date : 31st January, 2022
Platform : Google Meet

IIC cell, FR. C.R.C.E. organized a session on Ideation: Blockchain on 31st January 2022. The objective of the session was to expose the young minds to the entrepreneurship and startup ideas in Blockchain domain.

A total of 100 students from SE, TE and BE across all departments and 1

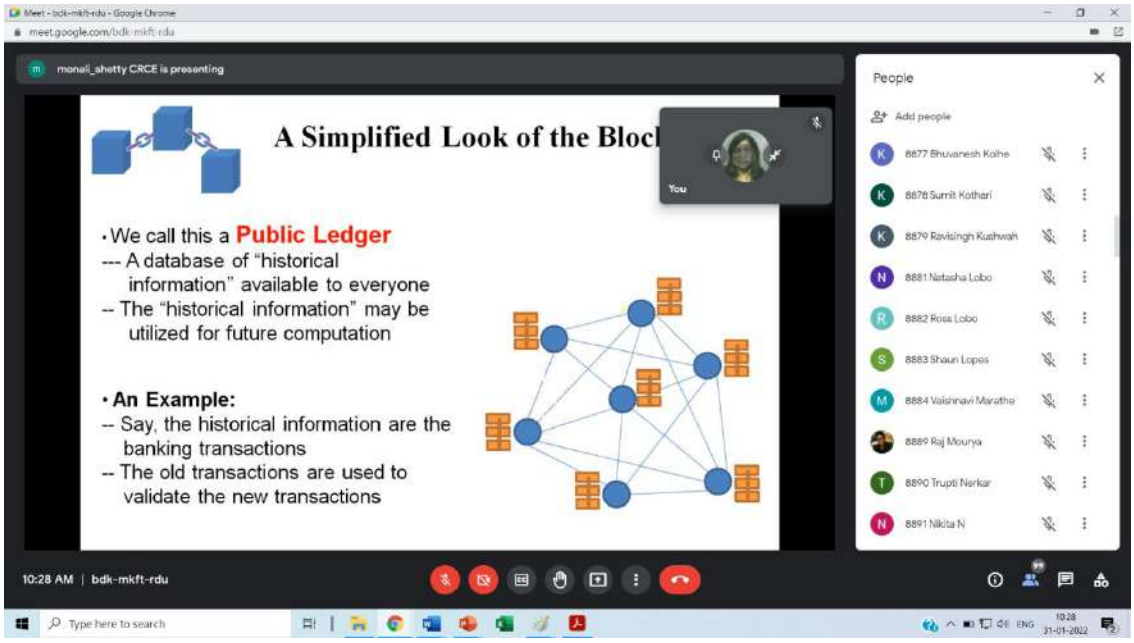
Faculty members attended the meet. The mode of session delivery was Google Meet. The speaker for the workshop was Prof. Monali N. Shetty, Assistant Professor of Fr. Conceicao Rodrigues College of Engineering. Ms. Shetty IIC Innovation Ambassador has completed NTPEL and Coursera courses on Blockchain. She has published many papers in blockchain and other domains of computer engineering.





The workshop began with Ms. Monali Shetty talking and explaining about what is blockchain, concept of blockchain technology. The first half of the session included a detailed explanation about

- Blockchain Overview
- Example of Microsoft word to understand centralized system and distributed system.
- Public ledger of blockchain
- Advantages of blockchain
- Blockchain Types



In the second half of the session Ms. Monali explained more about how real life applications which can be implemented using blockchain technology. The speaker gave the audience a brief explanation about "supply chain management without blockchain and with blockchian".

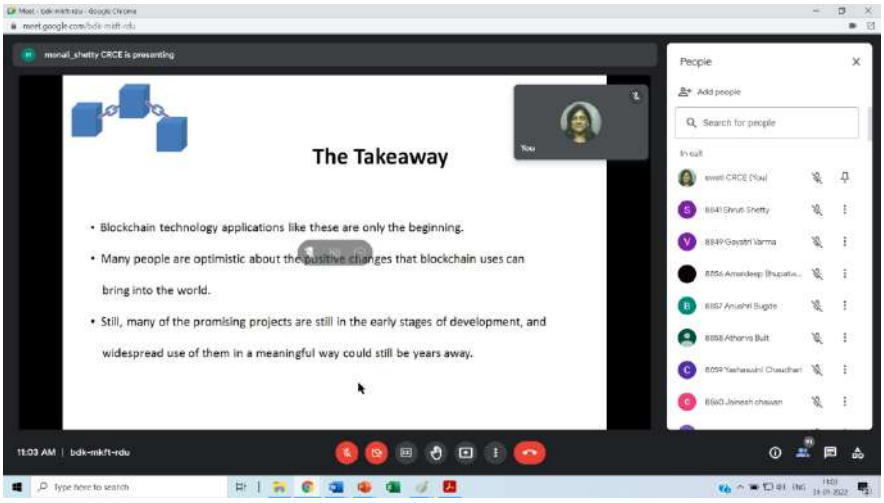
She has explained currently the success story of one of the Europian Country, Estonia. How blockchain is used in all parts of real life work in this country.

Later Ms. Shetty explained in detail about

- Blockchain usage in Government
- Blockchain application in cyber security
- Blockchain need in Diamond Industry

Towards the end of the workshop the speaker explained about other applications where blockchain can be best option like citizen identity, in healthcare domain, in defense, in Grid chain, in Music Industry. She briefly explained how learning blockchain technology plays a major role in shaping one's career and creating more future startup and entrepreneurship opportunities for them.

The outcome of the session was that all the students learned a lot about the applications and business opportunities in blockchain technology. The session helped the students understand the various usage of blockchain in wide types of industries. The session motivated all the students to start developing their own ideas and project in this domain.



A positive feedback was received from all the participants. An active participation by the speaker, council members and the participants made the Session On Ideation: Blockchain a grand success!

WEBINAR REPORT
Session on Innovation-Design Thinking
Innovation Ambassador
DATE: 01/02/2022

IIC-FrCRCE at Fr. Conceicao Rodrigues College of Engineering, Bandra, Mumbai, organised one webinar on **Innovation and Design Thinking** .

Name of the event:	**Innovation-Design Thinking**
Guest Speaker:	Prof. Swati Ringe, Innovation Ambassador, NISP-Coordinator, FrCRCE
Date of event:	*February 01st 2022, 2.00-3.00PM*
Location of the event:	*Online event via Zoom*
Number of Faculty members attended:	2
Number of Students attended:	35

The event was organised for Faculty and Students participated in Idea Competition

The objective of this webinar was to generate student's interest in innovation and to know design thinking process. To use this knowledge while implementing Proof of Concepts.

The contents of session included Innovations, creativity, Design Thinking, Empathy Mapping and Examples.

Following were the topics of session.

Innovation is creating value from ideas. Innovation is a state of mind. Managers, changemakers and entrepreneurs are the agents of innovation. They turn ideas into a solution that adds value to customer. Then she said that creativity is the first step to innovation. Being creative is very important. The difference between innovation, creativity and invention was very well discussed.

Necessity to innovate?

Innovations makes us to be adaptable to change that is needed for survival. It is the tool for nations economic growth. It improves our life. Top level managers need to be innovative to foresee and take actions.

How to build innovative mindset.

We need be in a state of peace, Physically active and mentally relaxed, we need to have me time of 10 mins, being like a child, being firm when convinced yourself on any idea rather than thinking of others views are important points to remember.

Design Thinking

Five step process include

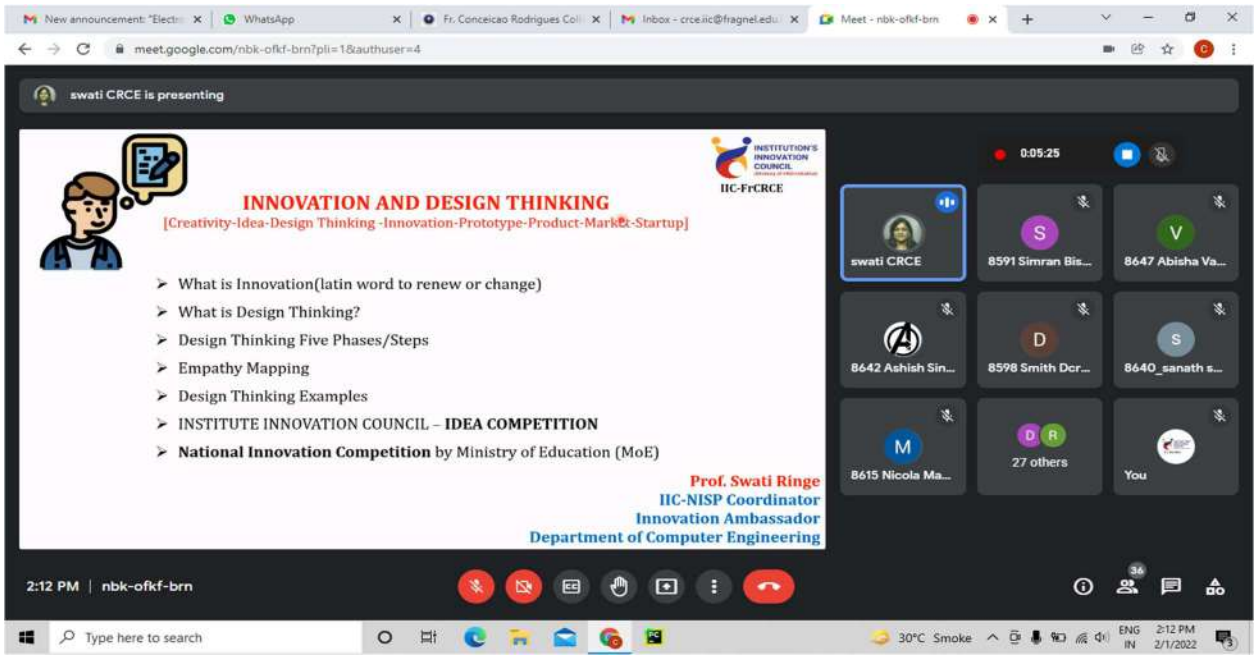
Empathize – User needs with asking questions, observations etc.
Define - Identify the exact problem on which you want to work on,
Ideate - Strategize solutions, Think outside of the box and let your creativity flow
Prototype- Finalize the Design. Brings us closer to desirability, feasibility, and viability.
Test - Test the design solution

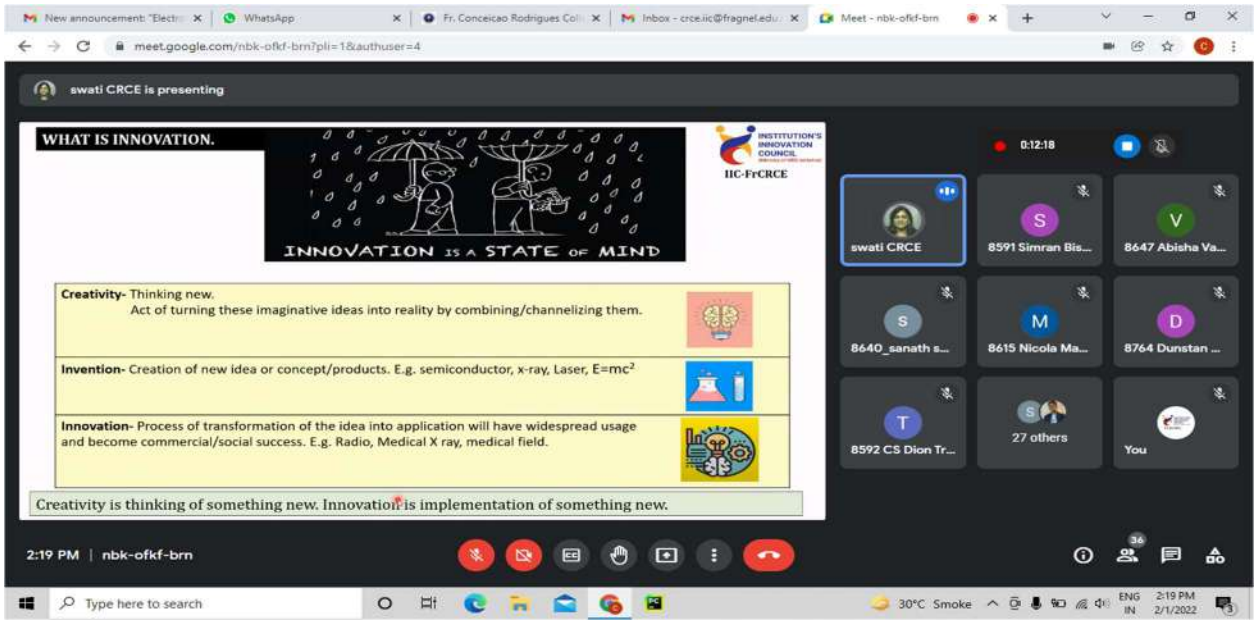
Empathy Mapping – what user Say-Feel-Think-Do

In the last segment of webinar, the speaker showed different innovative ideas of products, and discussed design thinking examples EMBRACE BABY WARMER, VEGAN GARDEN RESTAURANT, AIRBnB

Prof. Swati Ringe also informed students about NIC competition.

Participants interacted with speaker after the session.




swati CRCE is presenting
WHAT IS INNOVATION.
INNOVATION IS A STATE OF MIND
Creativity- Thinking new.
Act of turning these imaginative ideas into reality by combining/channelizing them.
Invention- Creation of new idea or concept/products. E.g. semiconductor, x-ray, Laser, E=mc²
Innovation- Process of transformation of the idea into application will have widespread usage and become commercial/social success. E.g. Radio, Medical X ray, medical field.
Creativity is thinking of something new. Innovation is implementation of something new.
0:12:18
swati CRCE
8591 Simran Bis...
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8615 Nicola Ma...
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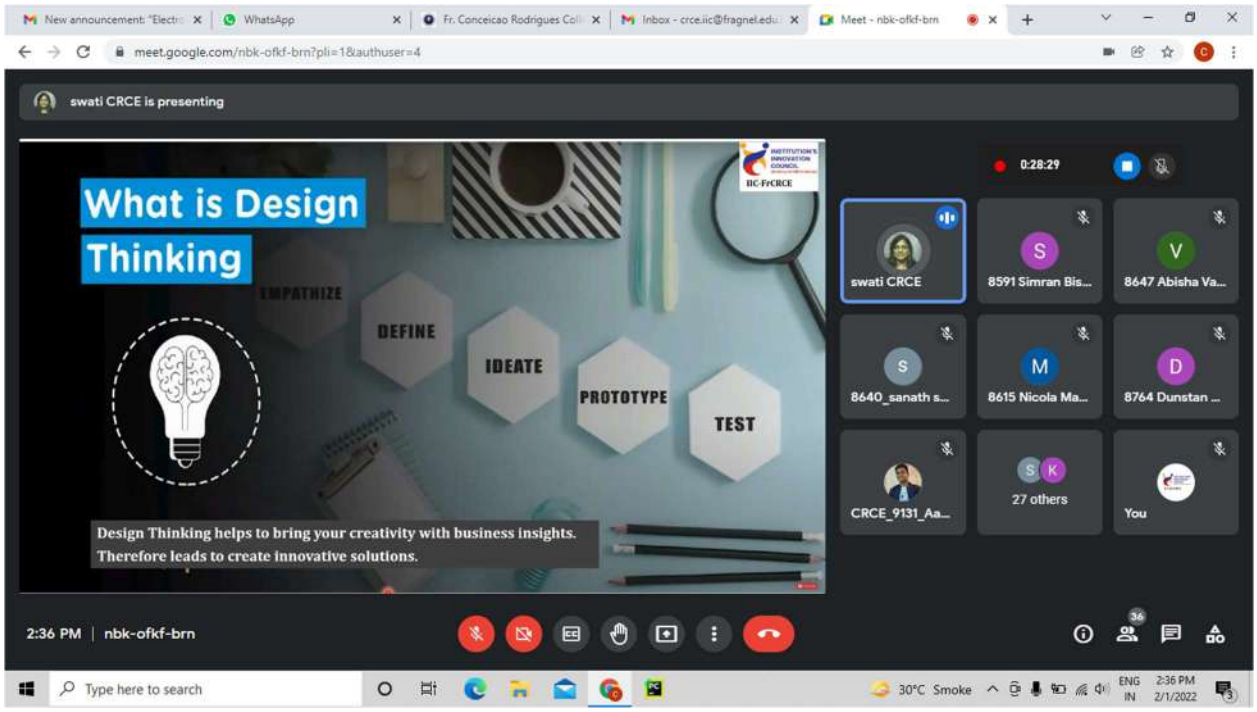
swati CRCE is presenting
What is Design Thinking
EMPATHIZE
DEFINE
IDEATE
PROTOTYPE
TEST
Design Thinking helps to bring your creativity with business insights.
Therefore leads to create innovative solutions.
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swati CRCE
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FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
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IIC-FrCRCE

REPORT: PITCHING EVENT FOR PoCs DEVELOPED & LINKAGE WITH INNOVATION AMBASSADORS FOR MENTORSHIP SUPPORT

Name of the event: **"Pitching Event for PoCs developed & linkage with Innovation Ambassadors for mentorship support."**

Platform of the event: **Google Meet Recordings**

Sponsoring organisation: **Entrepreneurship Cell (E-cell)**

Number of teams participated: **10**

E-cell is conducting the Proof of Concept (PoC) event which provides a platform for students to present their innovative ideas and proposed solutions giving them a spirit to start their entrepreneurial journey. Registrations for this were open till October 10th 2021.

The basic definition of Proof of Concept would be the evidence obtained from the original project, which is executed to demonstrate a project idea/business plan/project plan is feasible. PoC is an important part of the project developmental process in many industries and fields as it also verifies that concepts and theories applied to a project will result in a successful final project.

Keeping all that in mind the event was organised to give students a much needed experience in their entrepreneurial journey. A team of 3 to 5 members in front of a panel of judges presented their ideas followed by a Q&A session. We received a total of 10 PoCs this year and the event was conducted online wherein 10 teams participated and Prof. Prajakta Bhangale, Prof. Kranti Wagle and Prof. Swati Ringe served on the panel of judges.

All the teams came up with innovative ideas and the team with maximum points will be declared as the winner of the event. The themes for this year were - Healthcare & Biomedical devices, Agriculture & Rural Development, Smart Vehicles/ Electric Vehicle/Electric vehicle motor and battery technology, Food Processing, Robotics and Drones, Waste Management, Clean & Potable Water, Renewable and affordable Energy, IoT based technology (e.g. Security & Surveillance systems etc), ICT, cyber physical systems, Blockchain, Cognitive computing, Cloud Computing, AI & ML and other emerging areas of innovation and startup opportunity.

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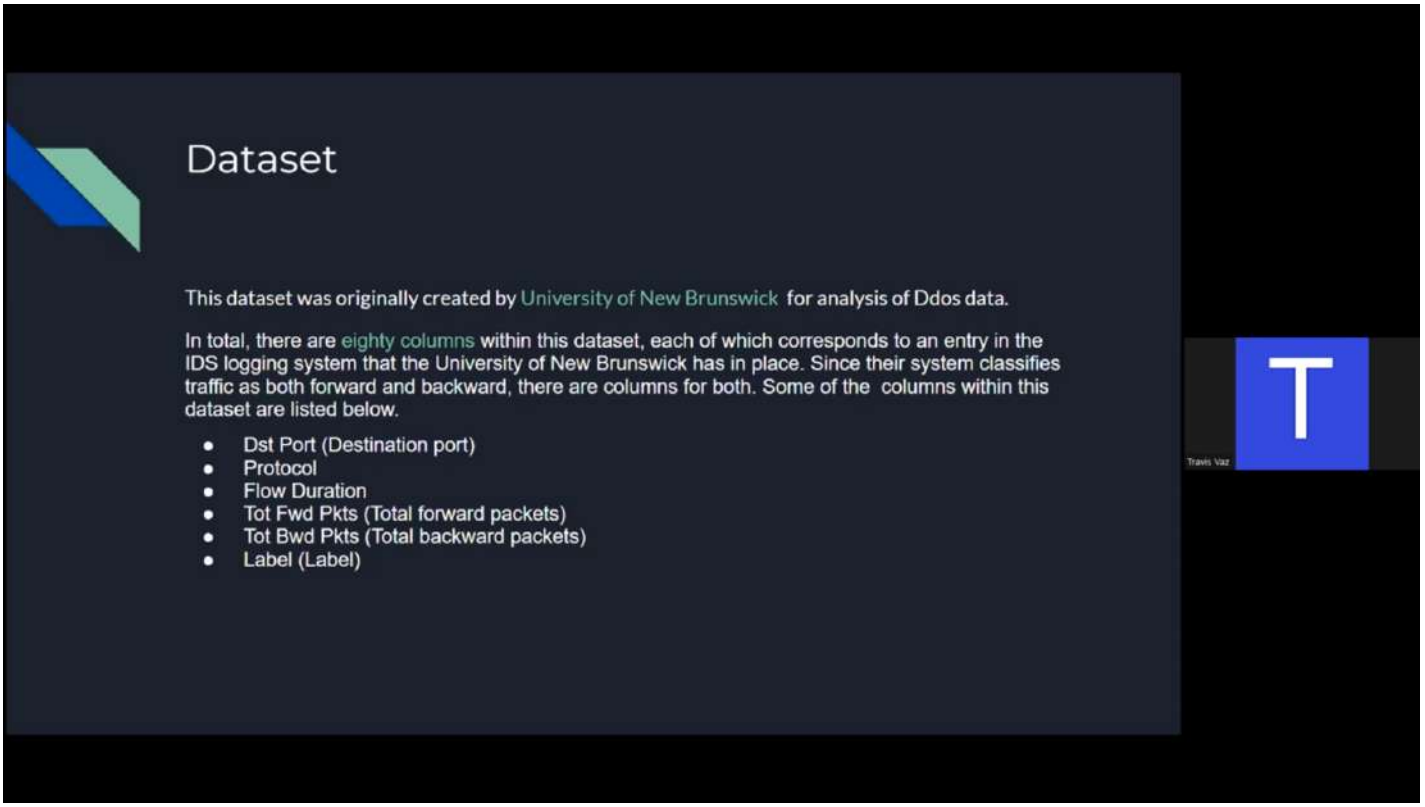
IIC-FrCRCE

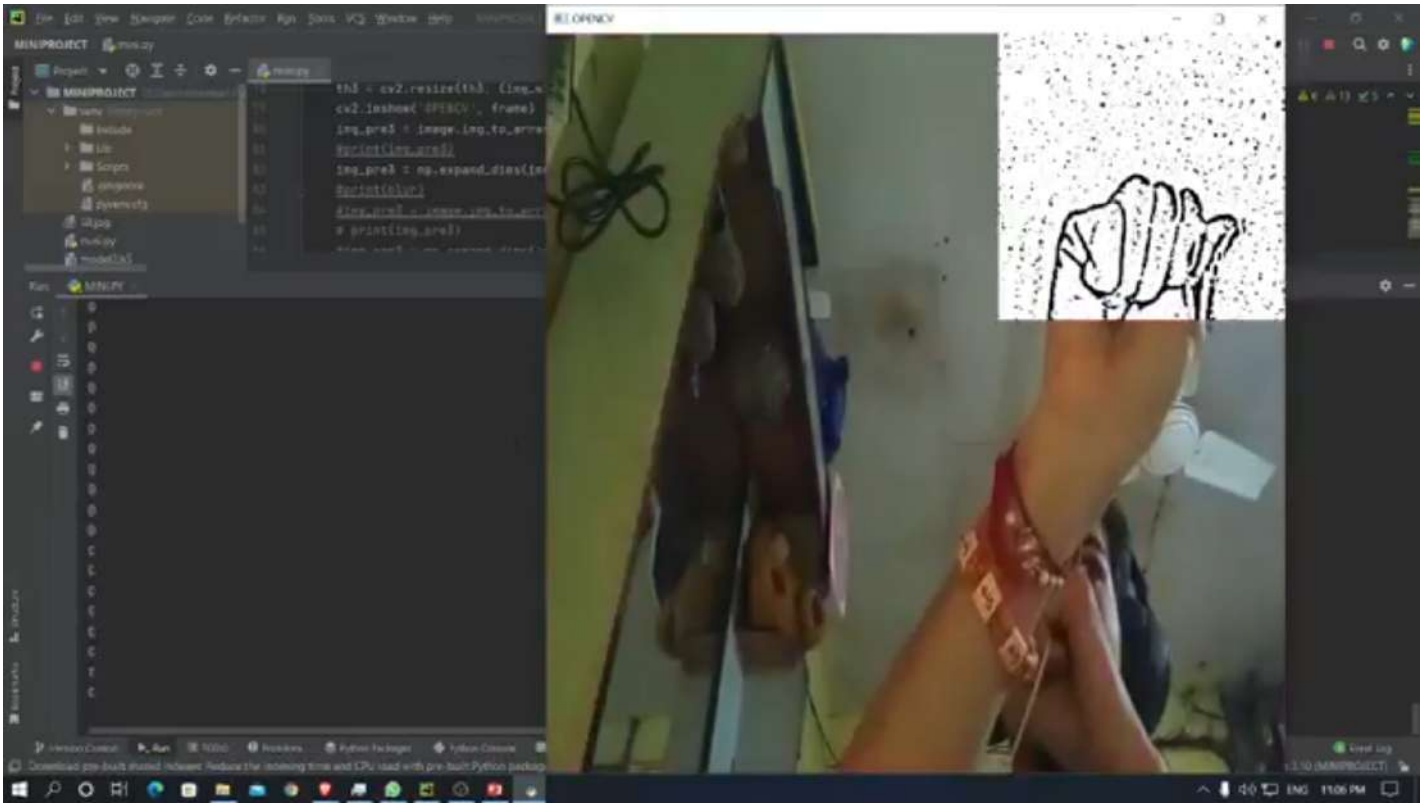
Winners of the event will be awarded with cash prizes and all the participants will receive a Participation Certificate.

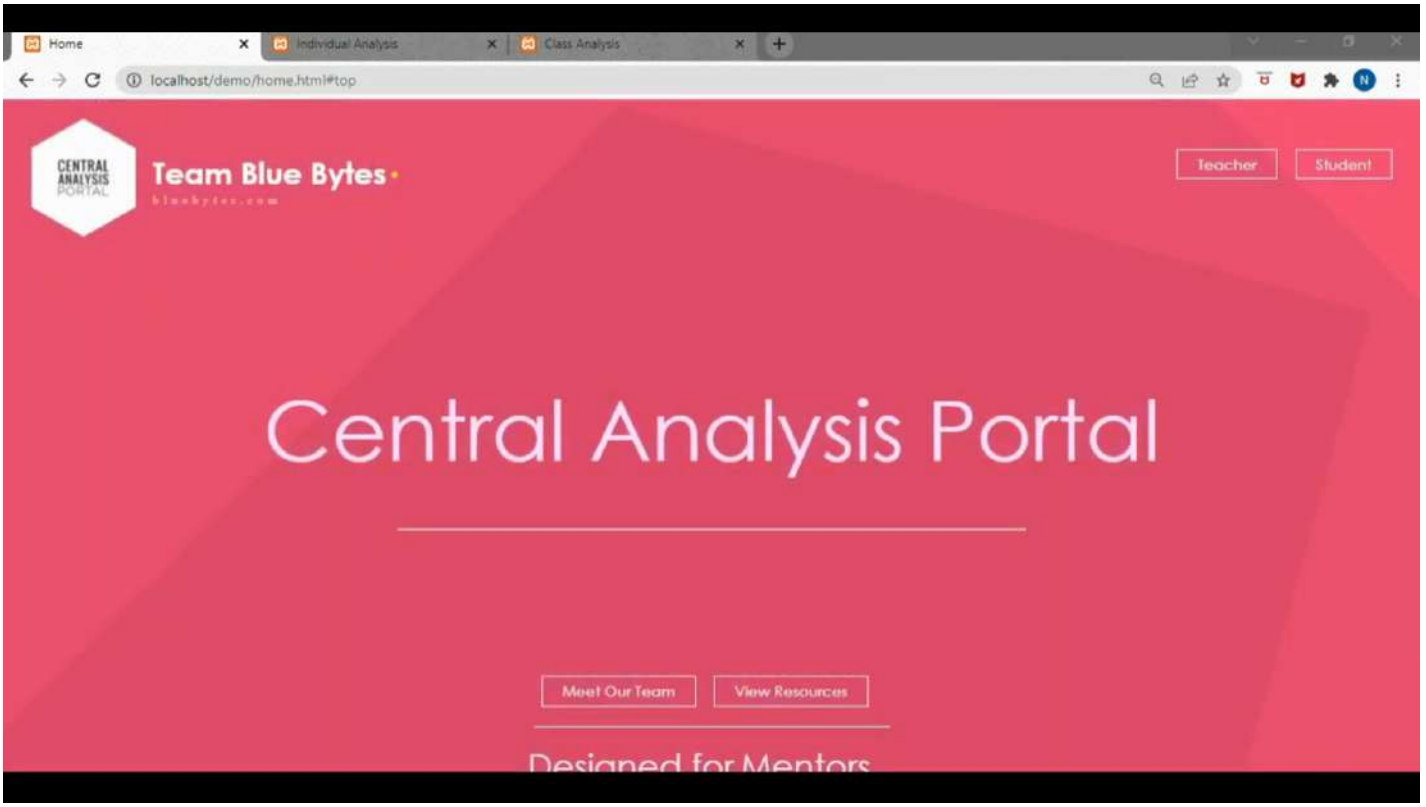
Prof. Prajakta Bhangale
(E-cell Teacher Incharge)

Yash Deshmukh
(E-cell General Secretary)

Some snapshots from the session:






Home
Individual Analysis
Class Analysis
localhost/demo/home.html#top
CENTRAL ANALYSIS PORTAL
Team Blue Bytes
Teacher
Student
Central Analysis Portal
Meet Our Team
View Resources
Designed for Mentors

EDIBLE CUTLERY

STEP 1	STEP 2	STEP 3	STEP 4	STEP 5
1	2	3	4	5
COLLECTION OF LEAVES	CLEANSING AND PROCESSING	FORMING A MIXTURE	FABRICATION AND DRYING	TRANSPORTATION

Climbing Unit

Arm

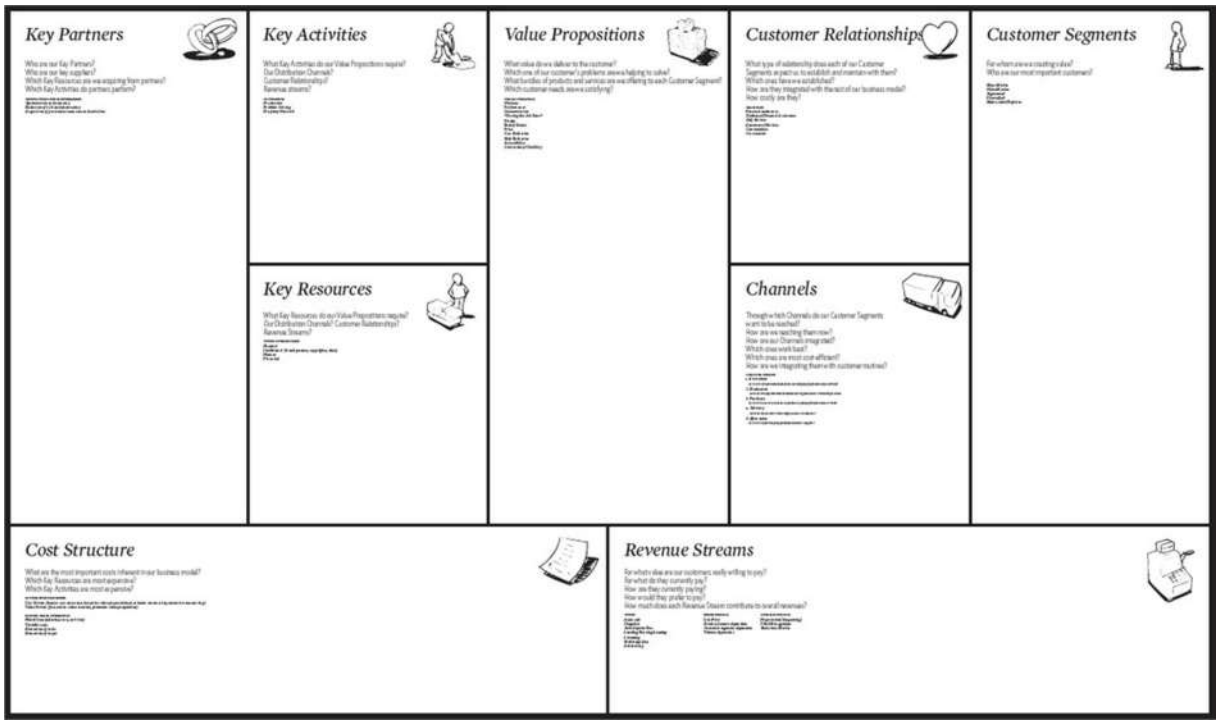
FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
FR. Agnel Ashram, Bandstand, Bandra (W), Mumbai – 400 050

IIC-CRCE organized

Event Name : Business Model Canvas
Date : 2/02/2022
Platform : Google Meet
Speaker :Prof.Kranti Wagle
Total Participants: 21

IIC-CRCE organized a seminar on Business Model Canvas on 2nd Feb 2022. The objective of the event was to help the students to prepare a Business Model Canvas for the Product they Develop and enlighten the young minds . Motive behind Business Model Canvas is to start entrepreneurship, by developing a product from their second year project. By doing this practice, Students got the idea about how to represent their product in market, how it is different from conventional product, what is the market requirement &resources available in market. A Business Model Canvas lets you put your entire business down on paper and assess your strategy, planning gaps and exposure to risk.

Business Model Canvas has been introduced to make a good product out ofthe student developed project to help the society & increase manufacturing industries in India.



Buisness Model Canvas was explained in detail with many examples.The following points were discussed with respect to BMC in detail:

The speaker told according to “Bruce Gitlin, SCORE mentor and business development expert”, the Business Model Canvas can help entrepreneurs address specific risks and acquire more information about competitors, costs, customer segments or a market niche."Many start-up entrepreneurs and small businesses are so busy trying to get started and survive that they spend little time planning. When they do try to plan, they are often confused and don't know where to start,” explains Gitlin. “This tool sets an overarching framework for developing a business strategy, a detailed business plan, and/or a prioritized action plan.”

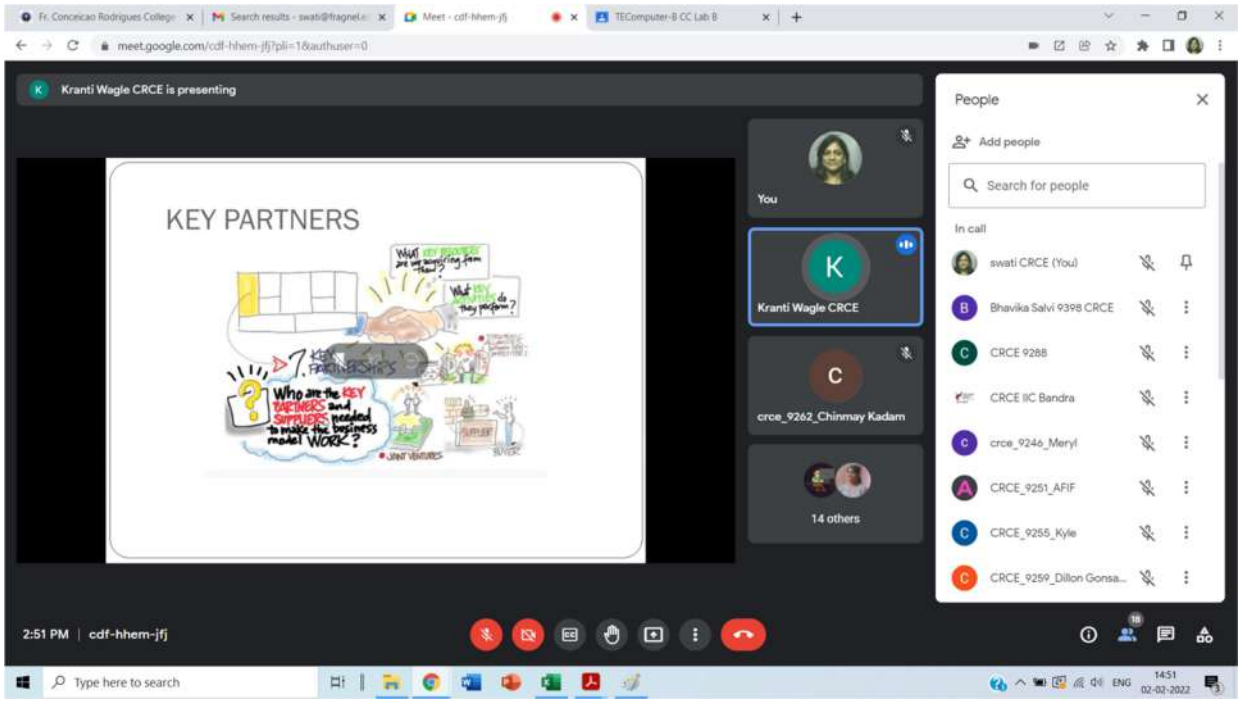
You can easily create your own Business Model Canvas and go through the exercise yourself.

When planning your start-up, go through your own Business Model Canvas exercise and integrate your completed canvas into your business plan. If your business is already operating, going through the exercise is just as valuable. You’ll have the opportunity to assess your business plan using actual data and refine your strategy to get closer to your goals.

Here is a breakdown of the nine Business Model Canvas building blocks and how to think through each one as you create your own canvas.

1. **Key Partners**

Who are the buyers and suppliers you need to form relationships with? What other alliances will help you accomplish core business activities and fulfill your value proposition to customers?

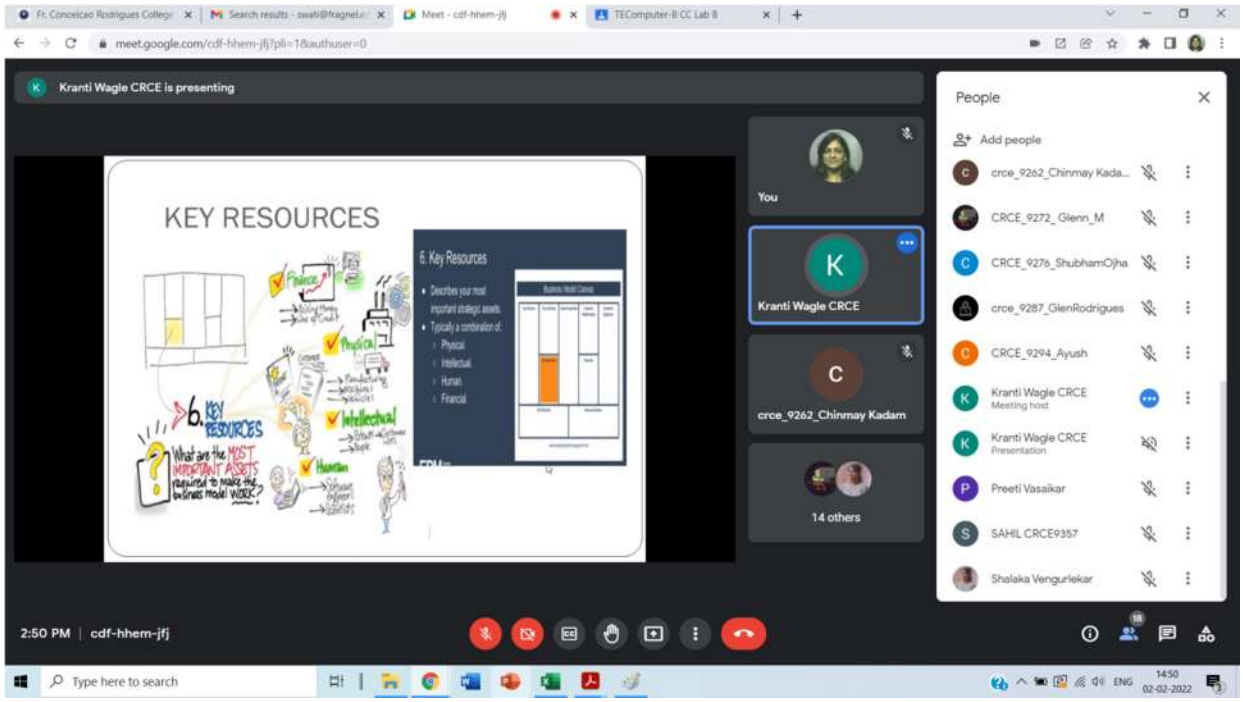


2. **Key Activities**

What are the most important activities you must engage in to fulfill your value proposition, to secure distribution channels, to create and strengthen customer relationships, to optimize revenue streams, and more?

3. **Key Resources**

What resources do you need to create value for your customers and sustain your business?



4. **Value Proposition**

What core problem does your business solve? What benefits does your business deliver? And, what products or services will you offer to meet the needs of your customers?

5. **Customer Segments**

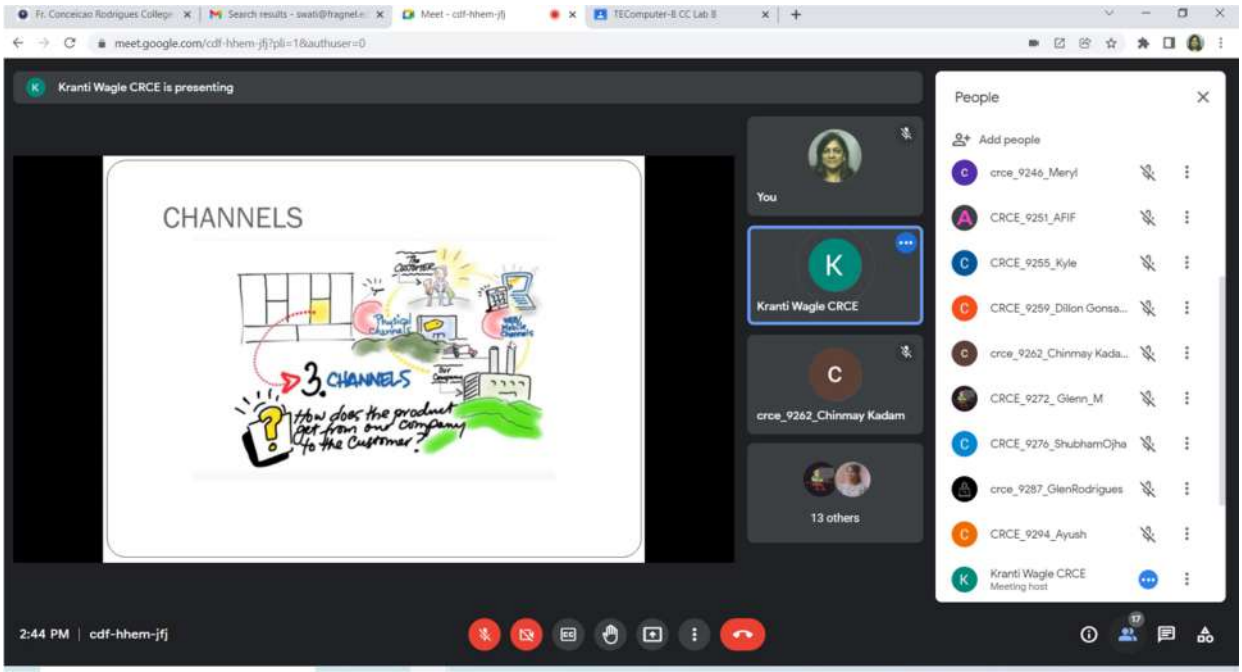
Who will your business serve? Will you serve a single customer type or multiple customer segments? Which customers are the most critical for your business' success?

6. **Customer Relationships**

What types of relationships will you forge with your customers? What are the relationship expectations from each customer segment?

7. **Sales Channels**

Through what means will you reach your targeted customers and deliver your products and services to them? Which will be the most cost-effective? How are your sales channels integrated?

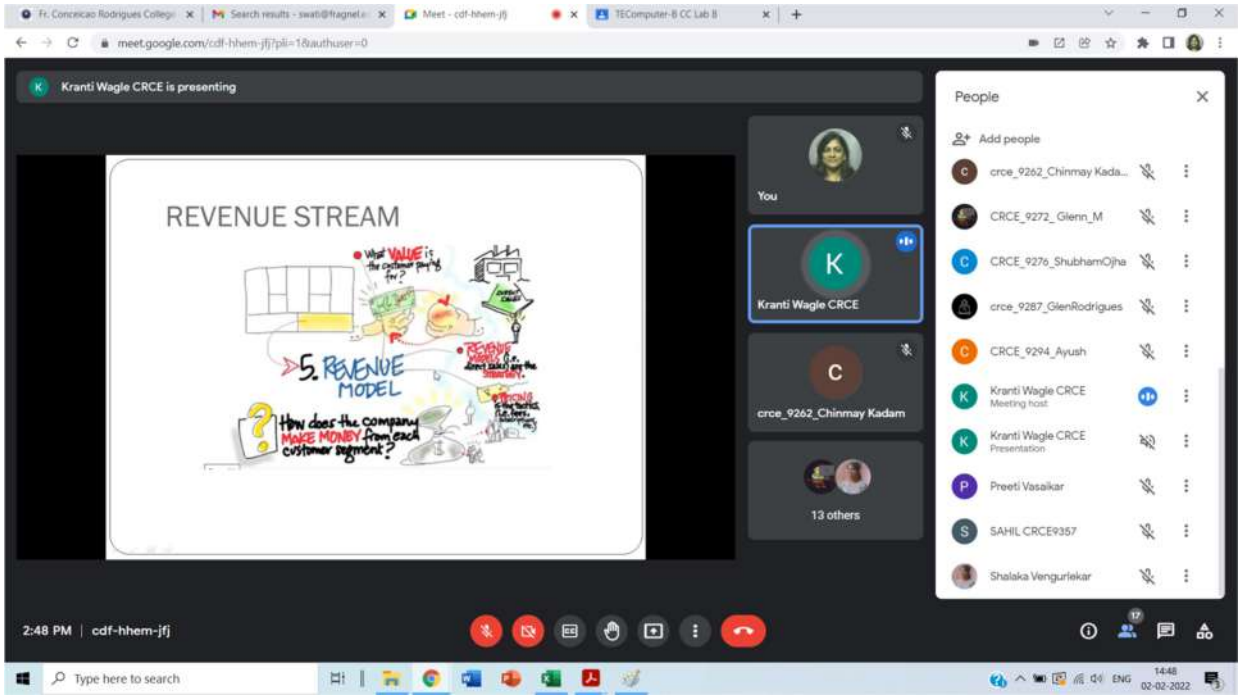


8. **Cost Structure**

What are all of the costs that you'll incur while operating your business? There are two primary types of cost structures: value-driven and cost-driven. A part of this block is determining which structure makes the most sense for your business and factoring that into your cost strategy.

9. **Revenue Stream**

How will you charge for our product or service? What are customers willing to spend? And, how much will each revenue stream contribute to your overall annual revenue?

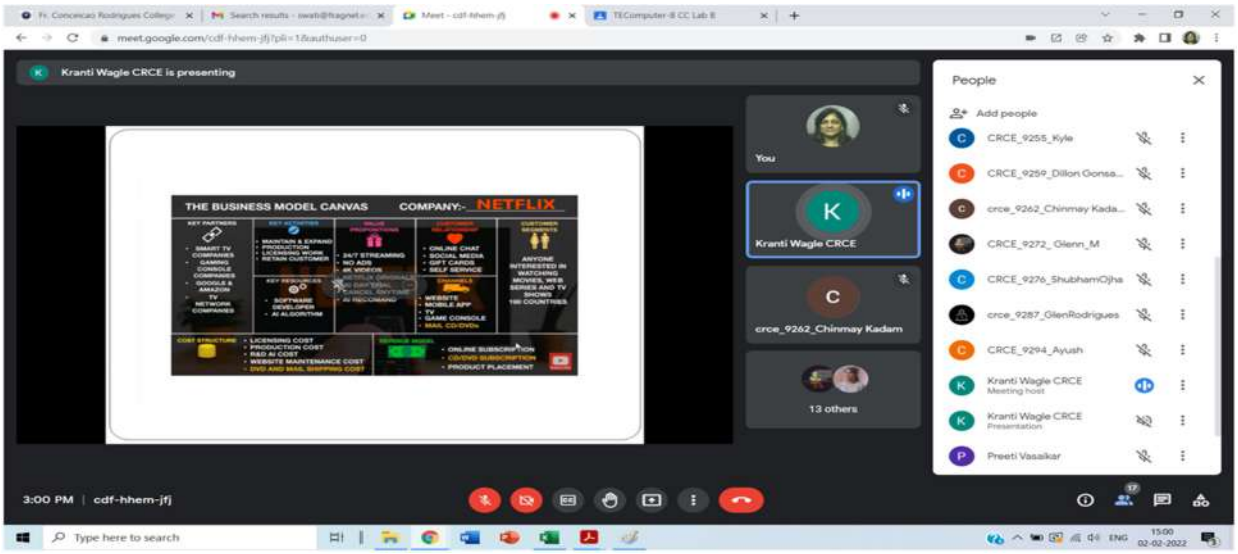


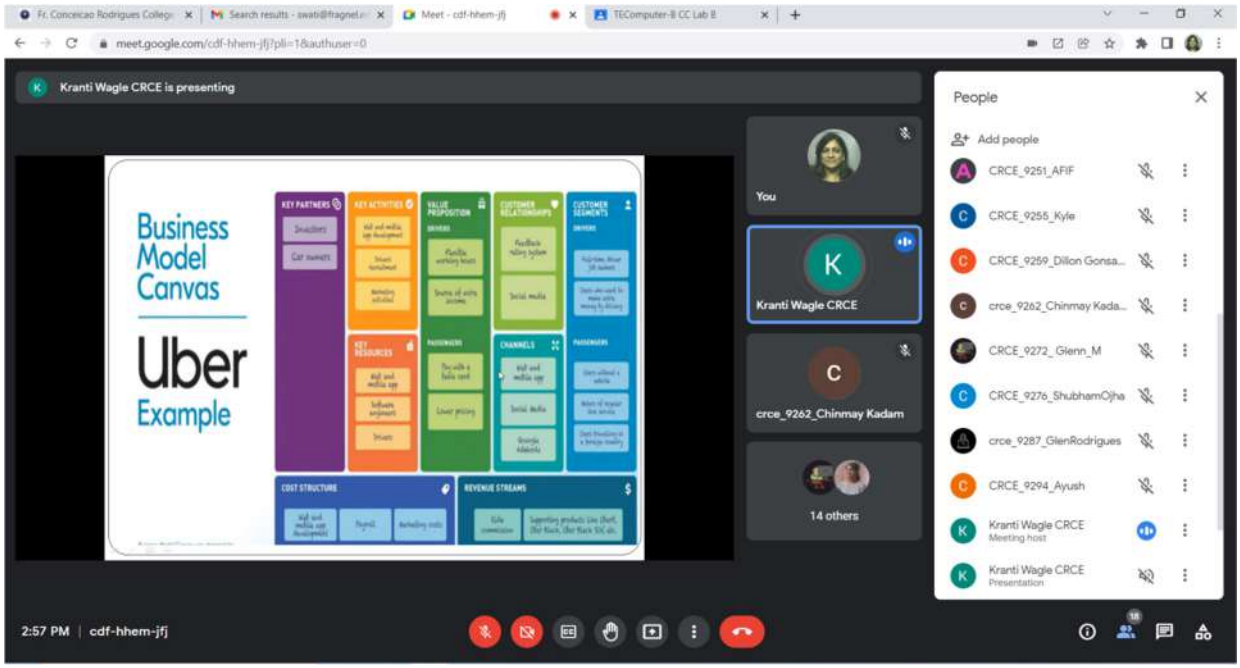
Identifying planning gaps between these nine building blocks is the real value of the Business Model Canvas.

According to Gitlin, gaps in planning stand out when using the tool, making it effective for entrepreneurs who are new to starting and running a business.

"The Business Model Canvas helps visualize what is important and forces users to address key areas," he says. "It can also be used by a team (employees and/or advisors) to understand relationships and reach agreements."

<u>The speaker showed different examples of BMC :</u>





Outcome of the Session

Completing your own Business Model Canvas is one of the most valuable planning steps in your overall business plan. Whether you're a new business owner crafting a business plan for the first time or an owner looking to address planning gaps in a current business, going through the Business Model Canvas exercise is even more valuable with a SCORE mentor by your side. Business model canvas will be helpful to students to embark entrepreneurship to realize the dream of **"Make in India"**. One can make a good product from their project. Increase manufacturing unit India & enhance the economy of India.

All the 2nd year and 3rd year students of the institute attended this Session. Students were also given the Task to prepare the Business Model Canvas for the project they are implementing.

Business Plan - Real Startup Case Study

Event Name : Business Plan - Real Startup Case Study
Date **:** 3rd February, 2022
Venue **:** Seminar Hall, Fr. Conceicao Rodrigues College Of Engineering

The Institute's Innovation Cell (IIC-FR.CRCE) organised a seminar on the topic Business Plan. The speaker for the seminar was Prof. Hitendra Vaishanv, Assistant Professor of Production Department and Innovation Ambassador. The session was attended by a total of 14 participants.

The session was conducted with the help of a case study on a real startup.

The following points were discussed over the course of the session:-

- How one can perform a basic costing of their business. In order to create a basic cost sheet, one needs to achieve the BEP(Break even point) which is a point at which there is no loss and no profit.
  To achieve BEP, we need to create a cost sheet of three types of costs, involving :
  1. Prime Cost - That include items like laptop, router, etc.
  2. Factory cost - That include Software cost, RND cost, etc.
  3. Office cost – That include insalary of an employee, furniture, etc

  After creating the list, we need to add the above 3 costs to get the cost of the product without including the profit. Then we will add profit which is assumed to be around 25% to 30% in order to get the total cost of the selling price of the product.

- The need of an appropriate and functioning team, which is very essential to run a profitable business. The team should be versatile and diverse enough, comprising of individuals that are capable of handling all the domains of a business.
- To know the Unique Selling Proportion (USP) of the product which is used in its marketing, can figured by conducting a market survey. Market surveys can be done through different means such as Google Forms, etc. The number of surveys done should be more than 1000 to get a better analysis on the product.

The above points were the key takeaways for the session. Through this seminar the participants were able to better understand the standard paradigm of a business and the factors along with the areas of concern that assist in setting up a profitable business.

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IIC-FrCRCE

WEBINAR REPORT: PHASES OF STARTUP
DATE: 04/02/2022

Webinar Report:

The webinar organised by E-cell FrCRCE and IIC FrCRCE, a live session on “Phases of Startup” by Prof. Prajakta Bhangale, assistant professor, Fr.CRCE was a brilliant and a very informative session on all the aspects related to startups and the general entrepreneurship culture around it.

Name of the event: **“Phases of Startup”** by Prof. Prajakta Bhangale

Date of the event: **4th February 2022**

Platform of the event: **Google Meet**

Sponsoring organisation: **E-cell and Institute Innovation Council (IIC)**

Total number of participants: **25**

The webinar began by Prajakta mam asking participants about what they think an entrepreneur is, and how to define it. After various answers, mam defined entrepreneur as someone who is a combination of an inventor and an opportunist. An entrepreneur is someone who has all around knowledge of everything and is capable of taking on all kinds of jobs. Mam further explained that for a successful product the 3I’s in quality research - Idea, Industrialization and IPR are essential and that patience is of utmost importance as it always takes time for a product to grow.

Mam then dived deep into the different stages of startup, starting with developing a project and getting lean. First and foremost thing is to build your MVP, but by making sure that it’s not too minimum and thus, not viable. A stage to-do list also helps. The lists consists of -

1. Studying the lean startup framework and applying it to the discovery process.
2. Conducting problems/solutions for interviews to get maximum output.
3. Running a demand test with ads or crowdfunding campaigns.
4. Using your learning to define or refine your MVP.
5. Conducting ongoing user feedback.
6. Iterating to improve retention.
7. Instrument product for visibility into usage.

Mam then focused her thoughts on explaining some terms pertaining to the startup culture, few of those terms were -

1. Patent: A set of exclusive rights granted to a person for his/her invention.
2. Trademark: A sign that distinguishes the goods and services of one enterprise from those of others.
3. Copyright: A legal term used to describe the rights granted to a creator for his/her literary and artistic work.

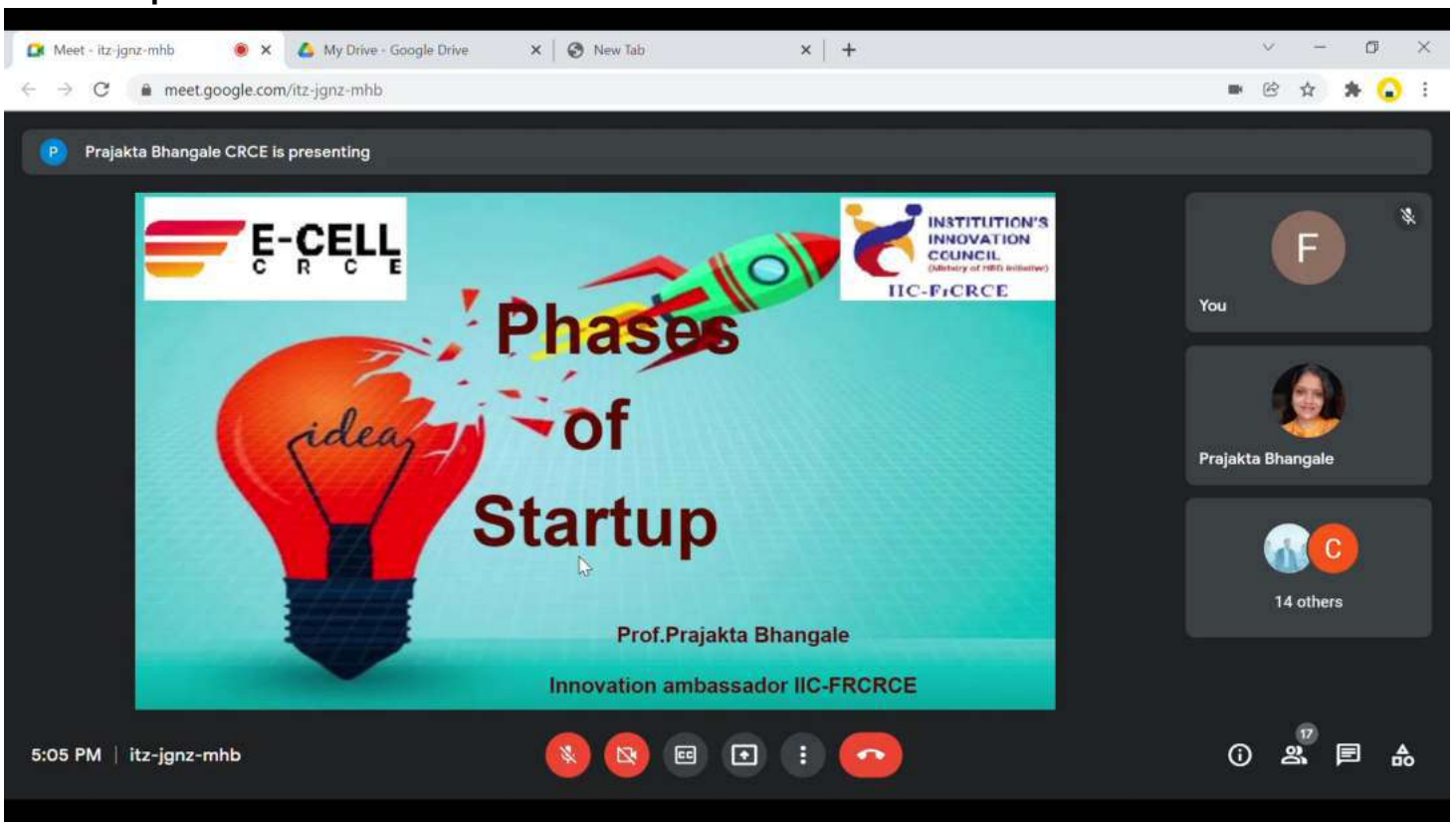
A fun game was then followed where mam quizzed people on the terms she had just explained using various pictures. The webinar then reached its final stage where mam explained a few other important points such as assembling your team where each individual is aware of his/her role and works together to be responsible for growth. Marketing is one other essential aspect where language shouldn't be a barrier and everyone should make use of the abundant resources available in this modern world. Creating social media accounts for your brand and content creation is perhaps the best example of this. Consumers' needs are to be realised and work should be done around it. It also goes without saying that aspiring entrepreneurs should learn from their mistakes and aggressively pursue maturity and growth. Doing this not only helps build a business but also a person and an entrepreneur. Mam then entertained the many questions of curious participants and answered them very patiently and to the best of her knowledge.

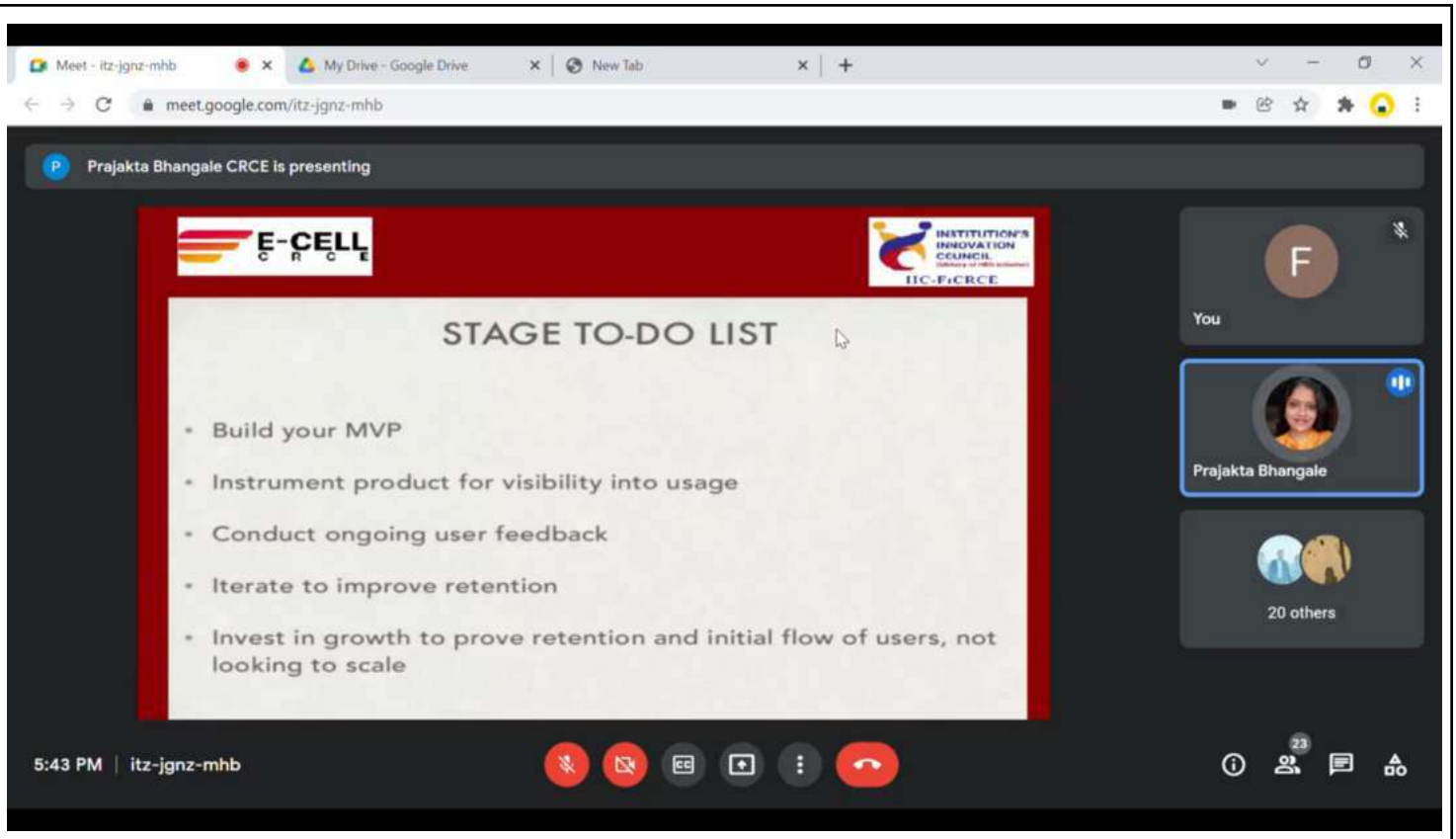
The session was then concluded by mam after offering her thanks to all the participants who actively took part in this session, ensuring them all that college will always be supportive of the students and will give any help that is needed, she also wished all the future entrepreneurs a good luck for their future endeavours and this amazing session thus came to an end.

Prof. Prajakta Bhangale
(Teacher Incharge)

Yash Deshmukh
(General Secretary)

Some snapshots from the session:

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INSTITUTION'S INNOVATION COUNCIL
IIC-FiCRCE
STAGE TO-DO LIST
Build your MVP
Instrument product for visibility into usage
Conduct ongoing user feedback
Iterate to improve retention
Invest in growth to prove retention and initial flow of users, not looking to scale
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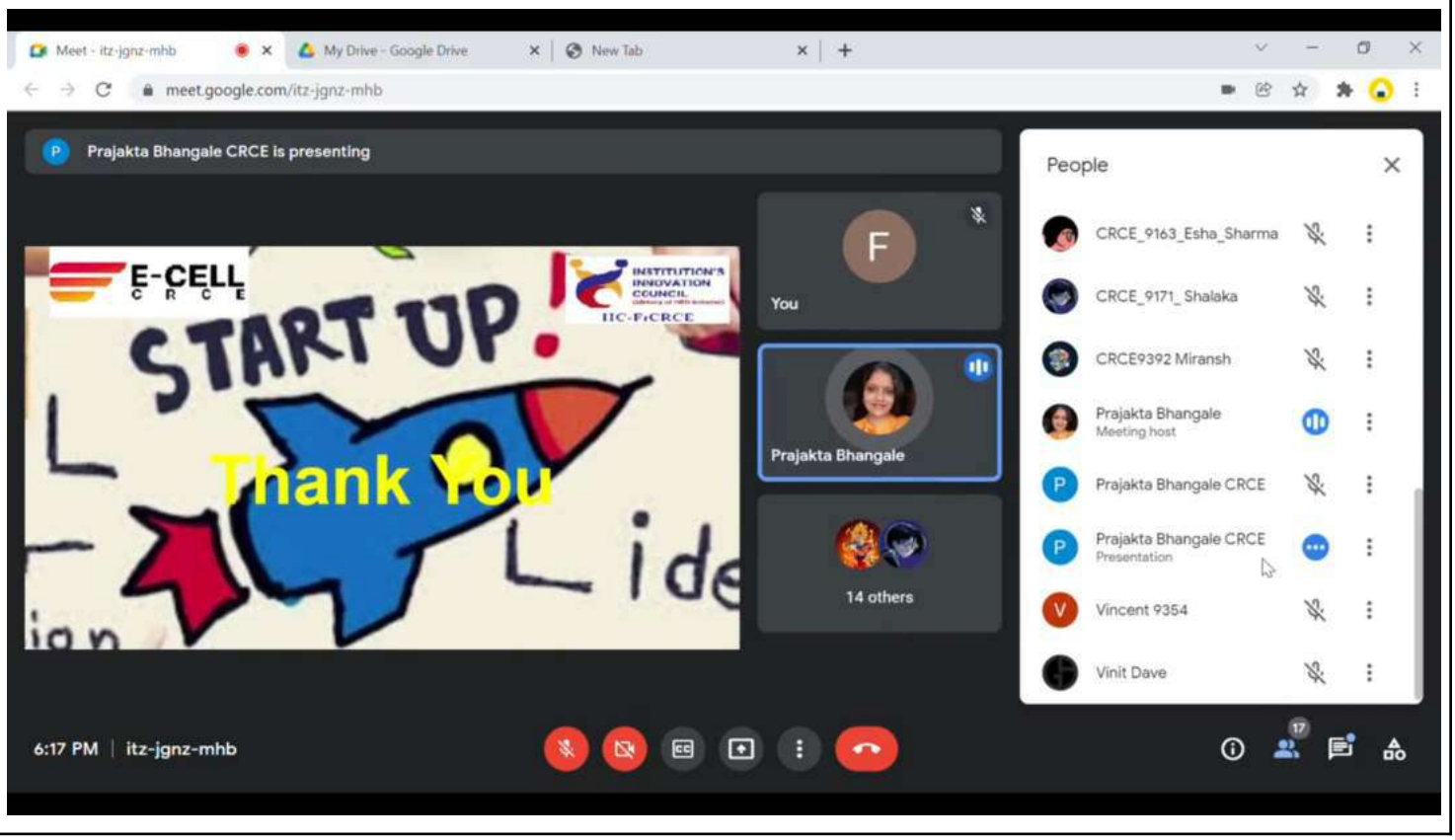
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CRCE_9171_ Shalaka
CRCE9392 Miransh
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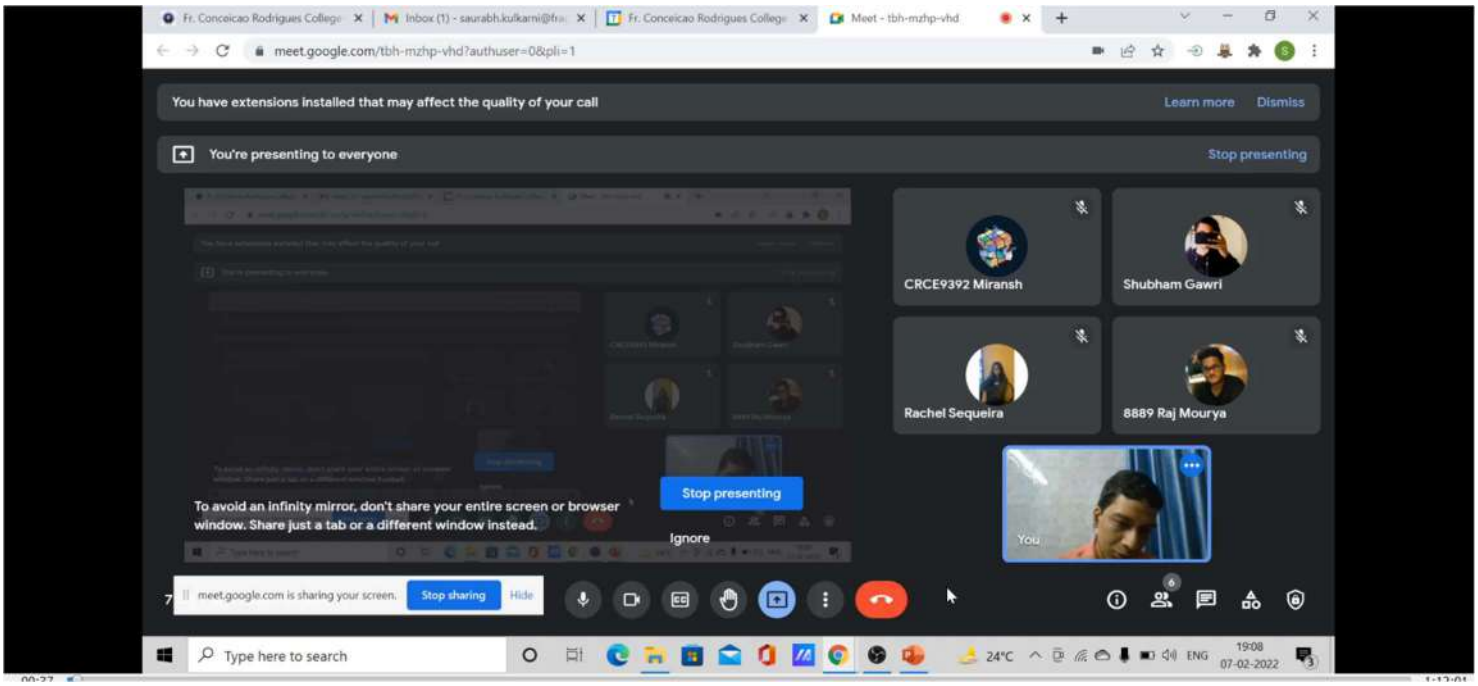
IIC Fr. CRCE organized session on Achieving Problem-Solution Fit & Product-Market Fit

Event Name : Problem-Solution Fit & Product-Market Fit
Date : 5th February, 2022
Platform : Google Meet
Speaker Name: Prof. Saurabh Kulkarni

The IIC-CRCE has organized a session on problem-solution fit & product market-fit. The objective of the session was to expose the young minds to the start-up concepts of making their product solution fit and marketable. The session also focussed on key Minimum Viable Product concepts used in lean start-ups to make a product market-fit.

A total of 8 students from SE and TE attended the meet. The mode of session delivery was Google meet.



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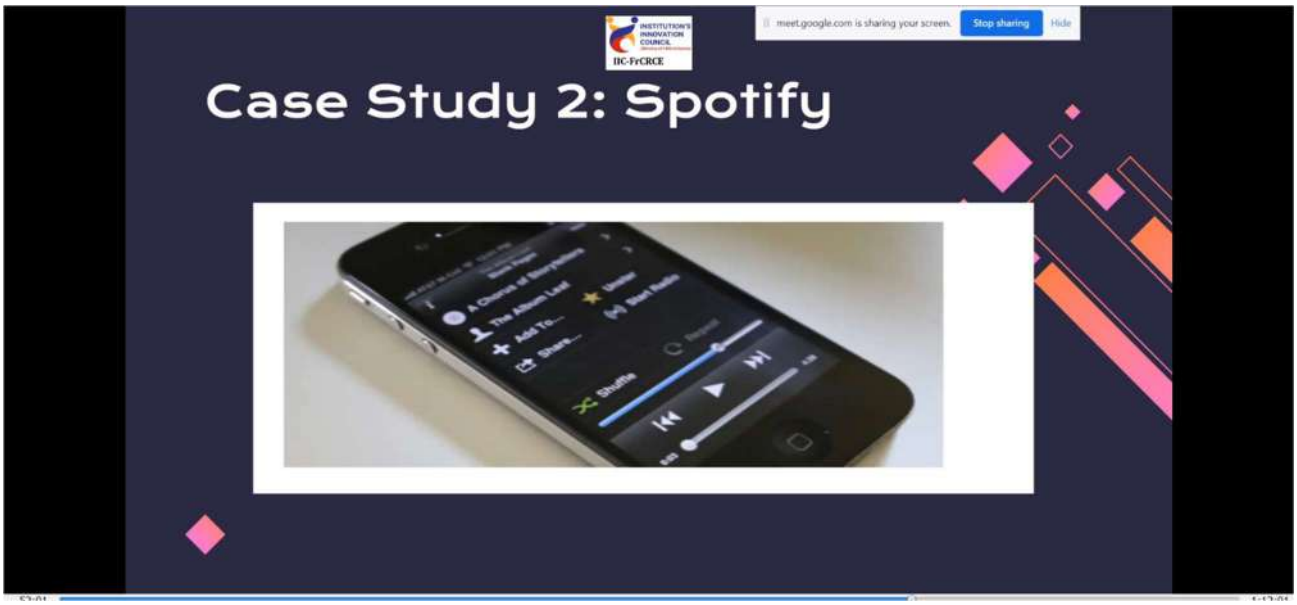
The session began with Mr. Saurabh Kulkarni talking and explain about basics of Minimum Viable Product. The first half of the session included a detailed explanation about

- The basics of iterative and incremental product development
- Illustration for wrong incremental product development strategy and learning lessons from the same
- Illustration for correct incremental product development strategy and learning lessons from the same
- Definition of Minimum Viable product
- The concept of lean start-ups and sample example for building minimum viable product focussing on achieving market-fit product
- Design stages of Minimum viable product to achieve problem solution fit and market-fit product

The second half of the session discussed few case studies related to minimum viable product and products which could become market fit. The case studies discussed were:

- Dropbox
- Spotify
- Facebook
- Amazon
- Zappos



All the participants learnt about Minimum Viable Product and the process of achieving problem-solution fit and product-market fit. Overall, positive feedback was received for the session.

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Webinar on How to plan for Start-up and Legal & Ethical Steps

Event Name: Session on How to plan for Start-up -and Legal & Ethical Steps
Date : 7th February 2022
Platform : Google Meet

We, CodeLabs CRCE, technical council of Fr.CRCE organized a webinar on how to plan for Start-up and Legal & Ethical Steps on 7th February 2022 from 11 to 12 pm. Prof. Swati Ringe, NISP Co-ordinator, member of Institution Innovation Council (IIC) and Assistant Professor of Fr. CRCE was the speaker of the webinar. The objective of the event was to provide students an insight of Legal and Ethical Steps to be followed while running a start-up. Also to enlighten the young minds about entrepreneurship and startups by developing their own ideas and achieving success in it.

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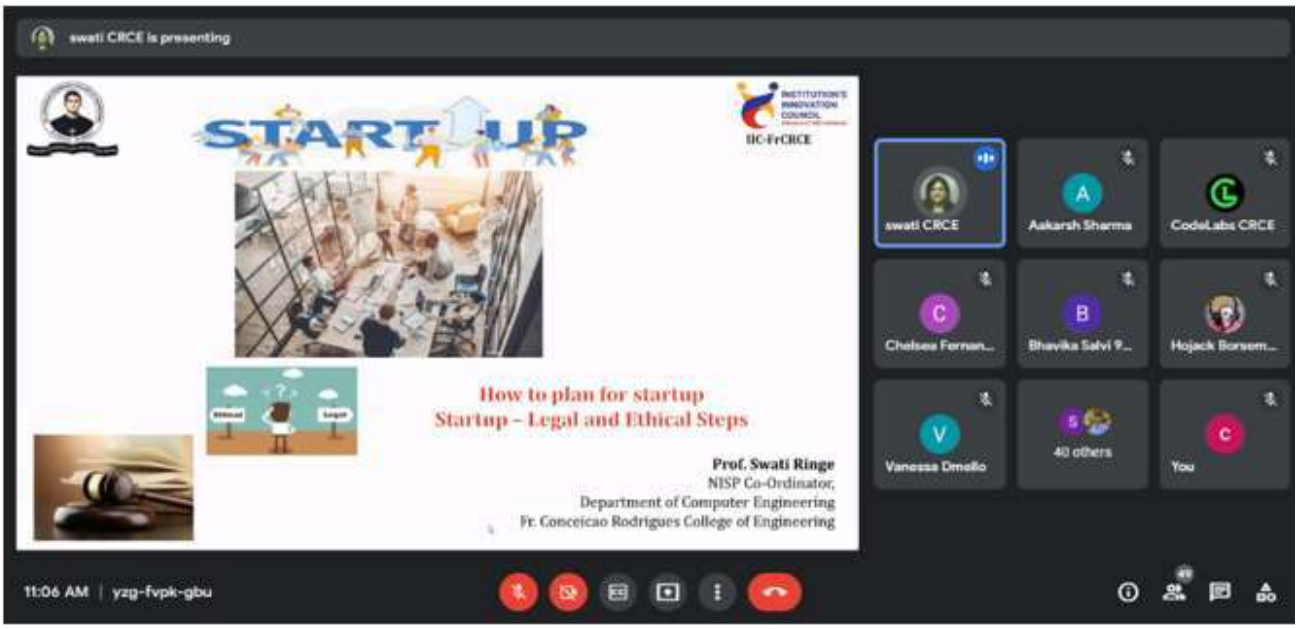

Mr. Aakarsh Sharma, SE Representative of CodeLabs CRCE started this session with a brief introduction of the speaker. The speaker then gave a quick gist of the topic. Startups evolved in the year 2008. Due to recession, IT companies fired their employees, due to which the concept of startup started growing. Companies like Policy Bazaar, Zomato, Flipkart and many more startups came into limelight. Real boost to start-up approached when our Honourable PM – Narendra Modi launched the Start-up India Initiative in January 2016. Policy to provide legal framework for startups was published. This initiative aimed to build a robust startup ecosystem and transform India into a country of job creators instead of job seekers.

According to startup founders, there are several key features of startup:

- Risk Taking
- Global Presence

- Atmanirbhar Bharat – Make in India initiative
- Improving Digitization
- Implementing idea and converting it to value

Startup is going to be there in next decade! Many Unicorns have come up recently. Meesho, CRED, Groww, PharmEasy, ShareChat and Gupshup are few of the startups in Unicorn Club in 2021. India continues to be the third largest startup ecosystem in the world today. Three pillars of startups to be followed are:

1. Simplification and Handholding
2. Funding Support and Incentives
3. Industry-Academia Partnership and Incubation

National Innovation Contest provides 360-degree cycle of learning and understanding the process of innovation and start-up. It is designed in such a way that each team will traverse a path from problem identification and Ideation to building model and finally entering the phase of enterprise development in a period of one year.

Ensuring business ethics while running a startup is essential. At every point in life, decision has to be taken on the basis of ethics and values. In 2016, an IIT Graduate from Kharagpur developed a Super Tatkal App for faster ticket booking IRCTC platform. It had 1 lakh users and he generated revenue through the pro version of the app. As the software was illegal, IIT Graduate was booked.

Right approach:

1. Identification of problem
2. User Acceptance
3. User friendly app
4. Target market was huge
5. Real time problem solving

Wrong Approach:

1. Did not take legal expert advice
2. Ignorance of Law
3. No proper Approval

In a Startup journey, founders dream is Unicorn. It is essential to be legal and ethical for a successful startup.

At the end of workshop, the speaker cleared all the doubts that students had in their mind. This event helped students to improve their mindset and put their best foot forward to achieve their dreams.

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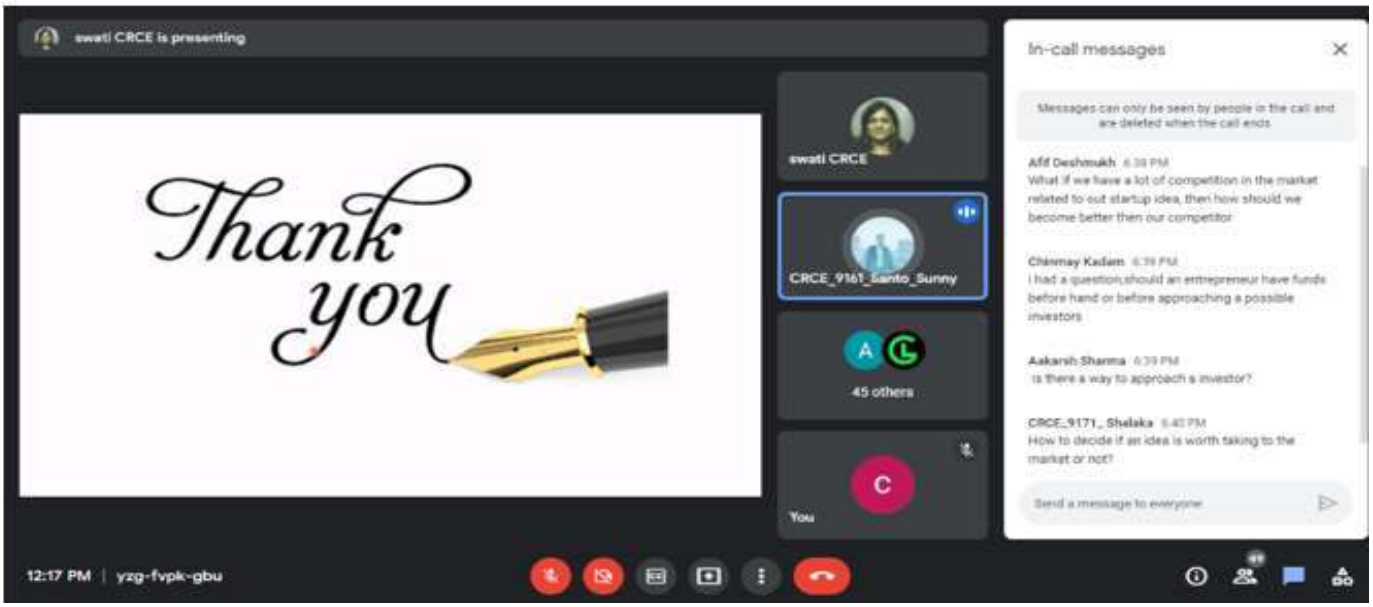

A total of 55 students from SE, TE and BE attended the event. The mode of session delivery was Google Meet. A good feedback was received from all the participants. An active participation by the speaker, council members and participants made the webinar a grand success!

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IIC Fr. CRCE organized session on

Session/ Panel discussion with innovation and Start-up Ecosystem Enablers from the region/state/national level

Event Name: Session/ Panel discussion with innovation and Start-up Ecosystem Enablers from the region/state/national level

Date: 8th February, 2022

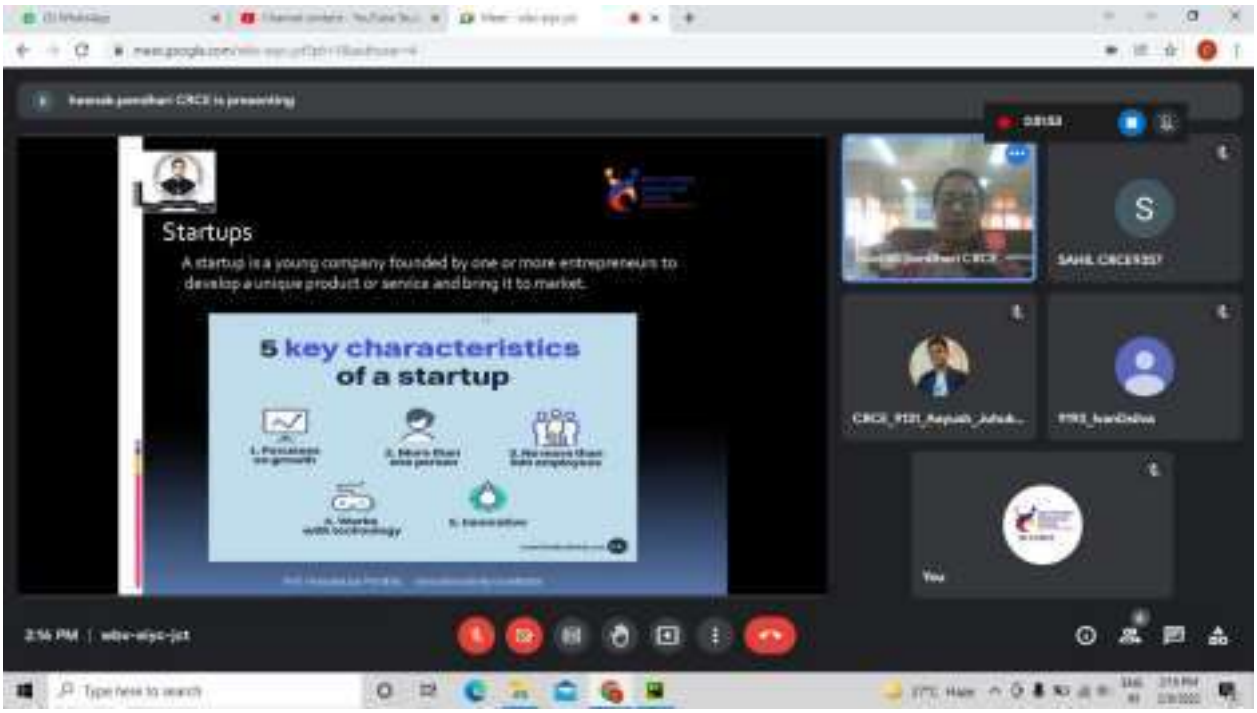
Platform: Google Meet

Speaker Name: Prof. Heenakausar Pendhari

IIC-CRCE organized a seminar on Startup Ecosystem on 8nd Feb 2022. The objective of the event was to give an idea how the students can proceed futher once they have their idea placed as an prototype. Motivation behind Startup ecosystem is to make student understand which funding organizations they need to approach in order that they get their initial financial help. Students got the idea about what all process they have to look into so as they can bring their product in the market.

A total of 15 students from FE, SE and TE attended the meet. The mode of session delivery was Google meet.

The speaker Ms. Heenakausar Pendhari first introduced what exactly startup is and what all constitute to make up an startup ecosystem. The 5 key characteristics of startup ecosystem were explained, by futher moving towards the main pillars which form the Ecosystem. Taking them through the main ingrident of ecosystem i,e funding providers, gave the students the deatil idea about the fund providers from Angel investors to VC etc.



With futher giving students the ecessence of histroy of Indian startups. Werein the students also got to know that India has the **3rd largest startup ecosystem in the world**

Speaker futher explain the growth of startup ecosytem in India.She also listed the top 10 incubators in India.Taking futher in presntation to top 10 incubator centers in Mumbai, as to students got to know the names of the same.

Futher taking the students towards the word Unicorn. When is the company called an unicorn etc. List of India unicorn companies.Students were also taken through the videos where they got to know about the Government schemes about the ecosystem and also about the unicorn companies during the last covid pandemic year.

The learning through this session was mainly Students gain the knowlegde about the road map of startup ecosystem, incubator centers were they can get the resources for their ideas, funding agencies and mainly about how many compaines got added into unicorn list during the covid pandemic.

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IIC Fr. CRCE organized session on "A perfect pitch deck presentation"

Event Name : A Perfect Pitch Deck Presentation
Date : 9th February, 2022
Platform : Google Meet
Speaker Name : Prof. Vaibhav Godbole

The IIC-CRCE has organized a session on "how to make perfect presentation to get funding from investors". The objective of the session was to provide investors with essential information about your business plan, product or services, fundraising needs, and key metrics like valuation, target market, and financial goals

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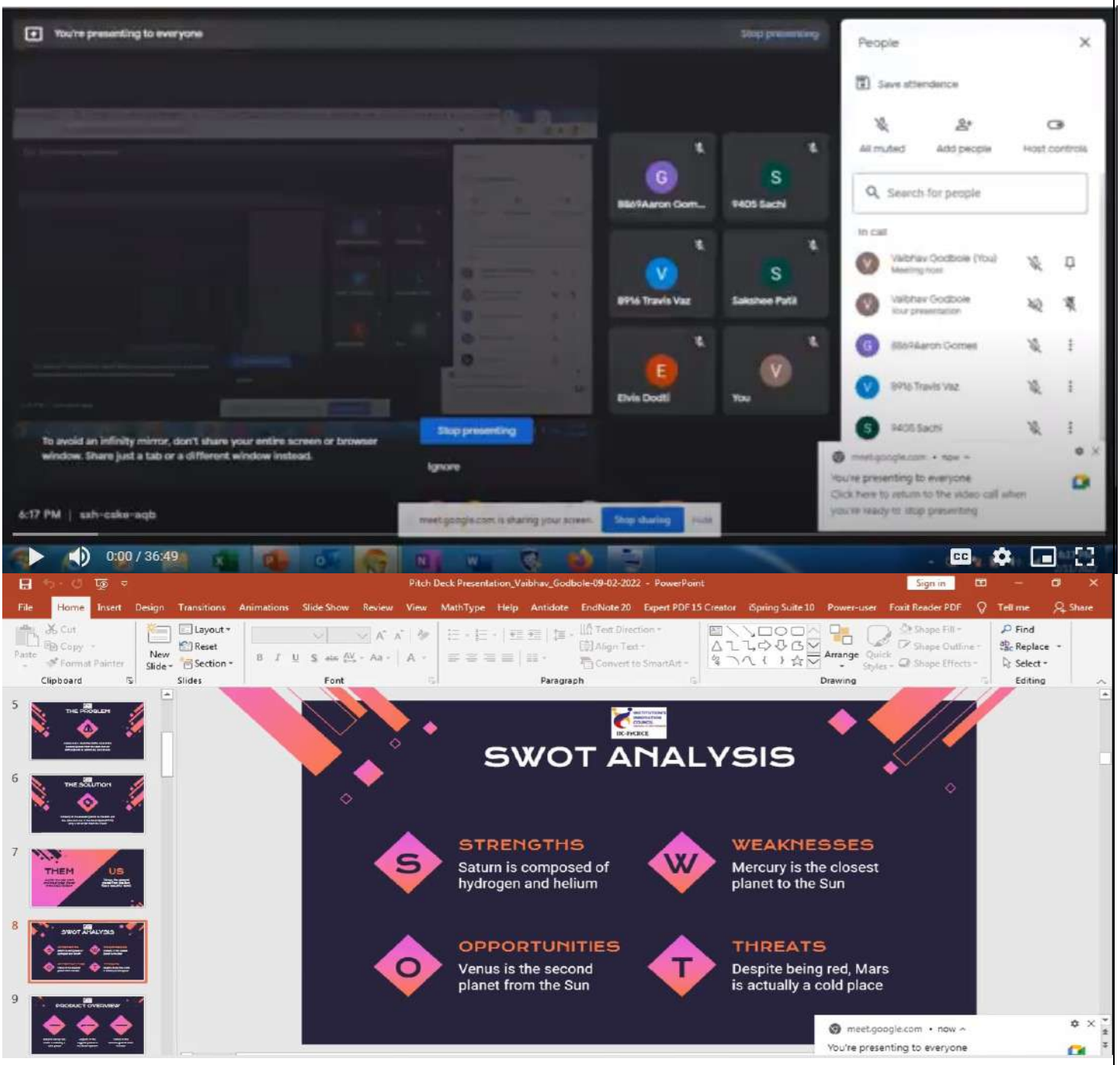
A total of 7 students from SE and TE have attended the session. The mode of session delivery was Google meet.



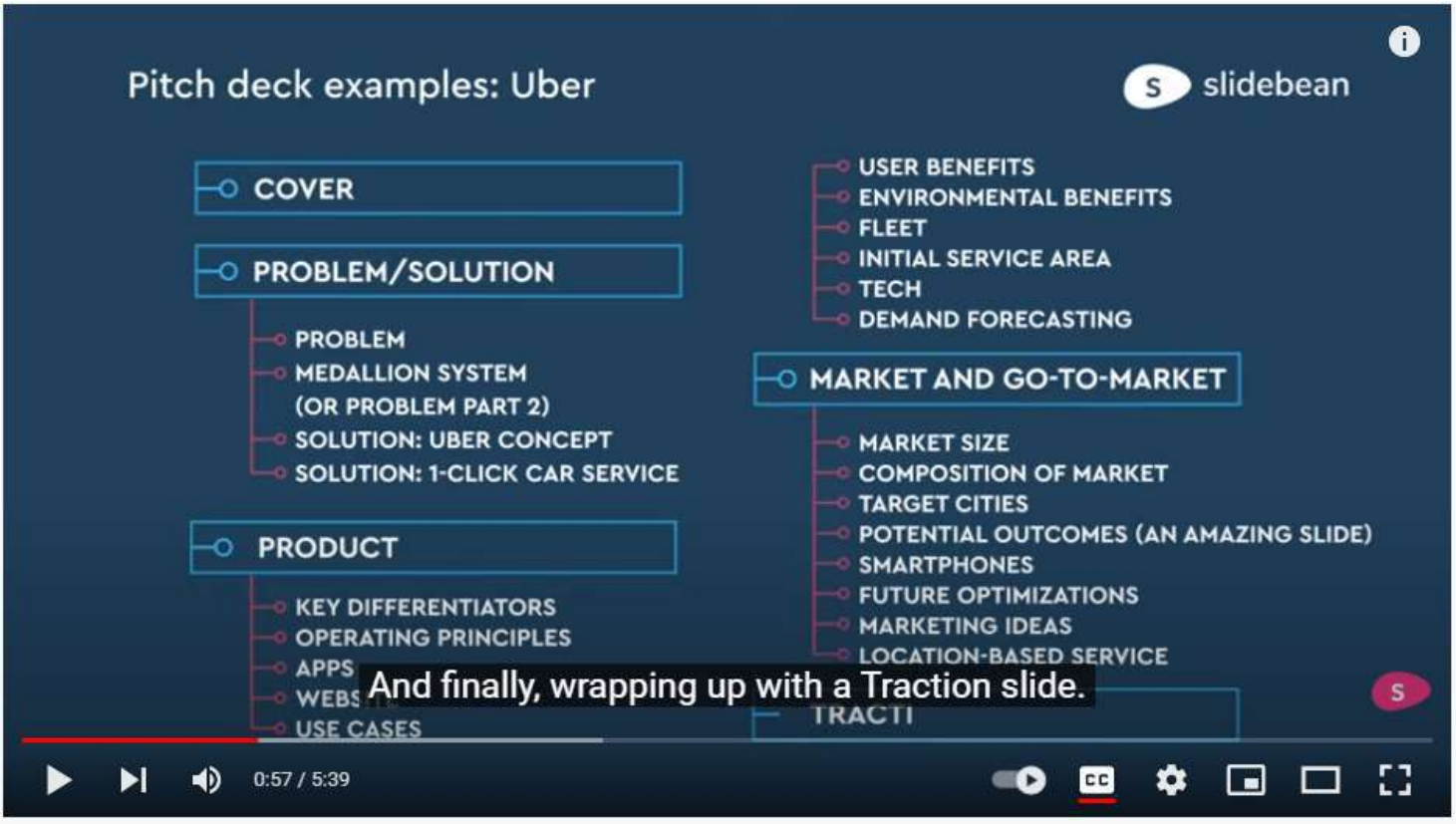
When you're seeking additional funding from a venture capital firm or are looking to bring in new partners to your business, you will invariably need to pitch your business or brand to these individuals and companies. Likely the most effective way to make a pitch is by creating a pitch deck, which is a presentation that will allow you to provide your intended audience with a brief overview of your business plan. Even if all you're looking to do is gain exposure for your company, creating a pitch deck can be an invaluable tool to present your business to the world.

In business, a pitch deck is a pitch presentation for entrepreneurs or businesses to provide a streamlined but informative overview of their company or startup to potential investors. The session began with Mr. Vaibhav Godbole talking and explain about the need of a perfect pitch deck presentation.

In the first of the session following points were covered:

- The need of a perfect pitch deck presentation
- The flow and contents of a perfect deck presentation
- The following slides were covered in the presentation
    - Introduction to the company and its products
    - Problem which encouraged the company to start a start-up
    - Solution
    - Traction
    - Marketing and sales strategy
    - Competitors
    - Team
    - Company’s future plans for growth
    - The sales and revenue figures
- The contents are covered by taking a case study of a product (pani-puri vending machine)

In the second half a case study of pitch deck presentation of Uber was covered



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IIC Fr. CRCE organized session on Branding and Promotion of Startup

Event Name: Branding and Promotion of Startup
Date: 10th February, 2022
Platform: Google Meet
Speaker Name: Prof. Sangeeta Parshionikar

The IIC-CRCE has organized a session on Branding and Promotion of startups. The objective of the session was to enlighten students the importance of Branding and Promotion and why it is so important for the start-up. The session also focused on key steps involved in Branding and how it helps startup to stand distinct in the market.

A total of 22 students from FE, SE and TE attended the meet. The mode of session delivery was Google meet.

The session began with Mrs. Sangeeta Parshionikar talking and explain about what is branding and promotion. Speaker explained how branding and promotion bring a start up into light and helps people recognize its existence. It improves company's visibility, not just among customers, but also among investors and stakeholders.

The first half of the session included a detailed explanation about fundamental basics of Start up branding.

The second half of the session discussed two case studies, how Branding and Promotion of startups by our own Alumni help them stand unique and distinct in the market flooded with number of startups in almost all sectors. The following points were discussed:

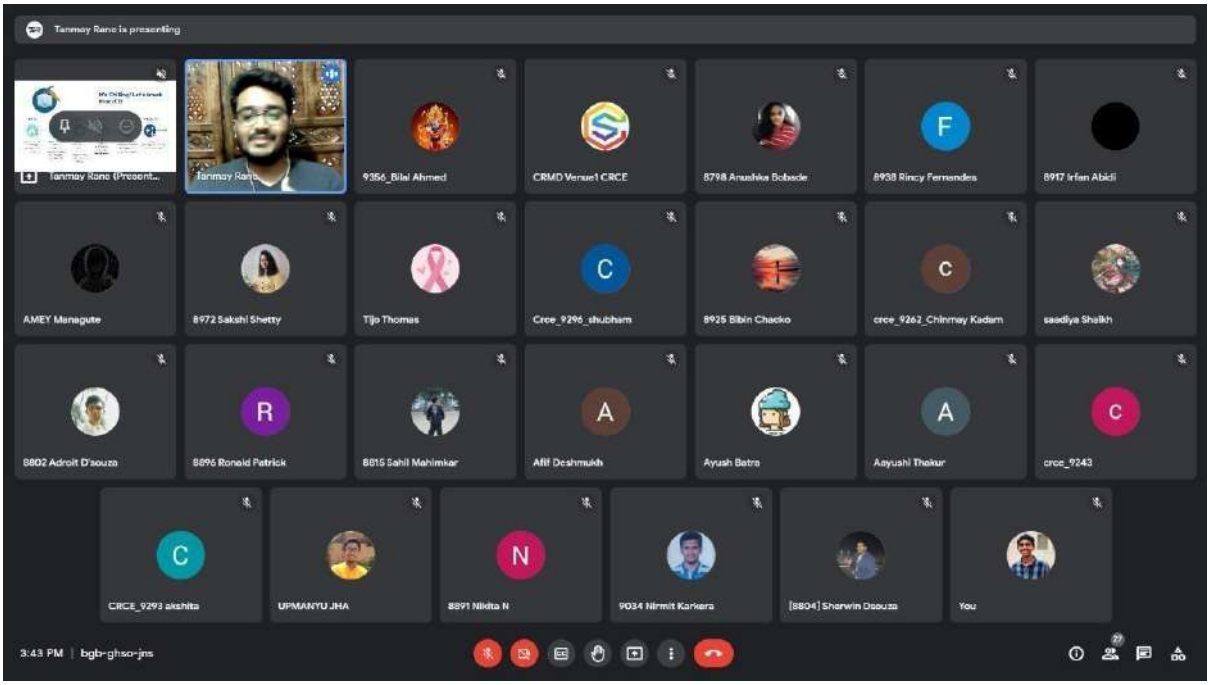
- Logo
- Company Name
- Promotion in Innovative way

All the participants learnt that branding is just as important for new startups as it is for established corporate players and start ups are required to invest in their branding much earlier in their life cycle. Overall, the session was informative and interesting.

ACM-CRCE organized
My Story - Motivational Session
by Successful Entrepreneur

Event Name : My Story - Motivational Session by Successful Entrepreneur
Date **:** 12th February 2021
Platform **:** Google Meet

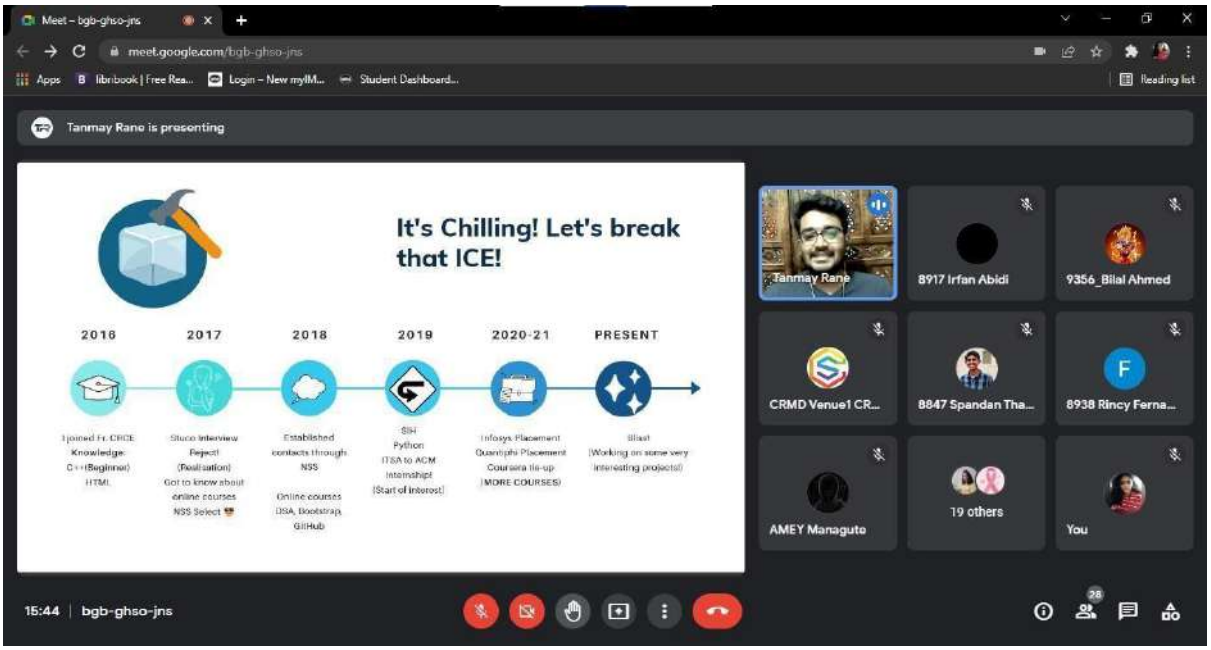
The Association of Computing Machinery (ACM) Fr. CRCE organized a seminar on My Story -Get Started in Deep Learning on 12th February 2022, from 3:30pm to 5:30pm on Google Meet for students of Fr. CRCE. The objective of the event was to let the participants get a pathway to begin with machine learning. Starting a new venture or learning a new skill is often very challenging and it is difficult to find an appropriate path to learn a new skill in the most effective way. But if we have guidance from an experienced person it proves to be like a guiding light on the path of learning the skill. Machine Learning is an emerging field and many students are keen to explore this field but often face a difficult question i.e. how to begin?



The mode of delivery of the session was Google Meet and a total of 30 participants attended the session.

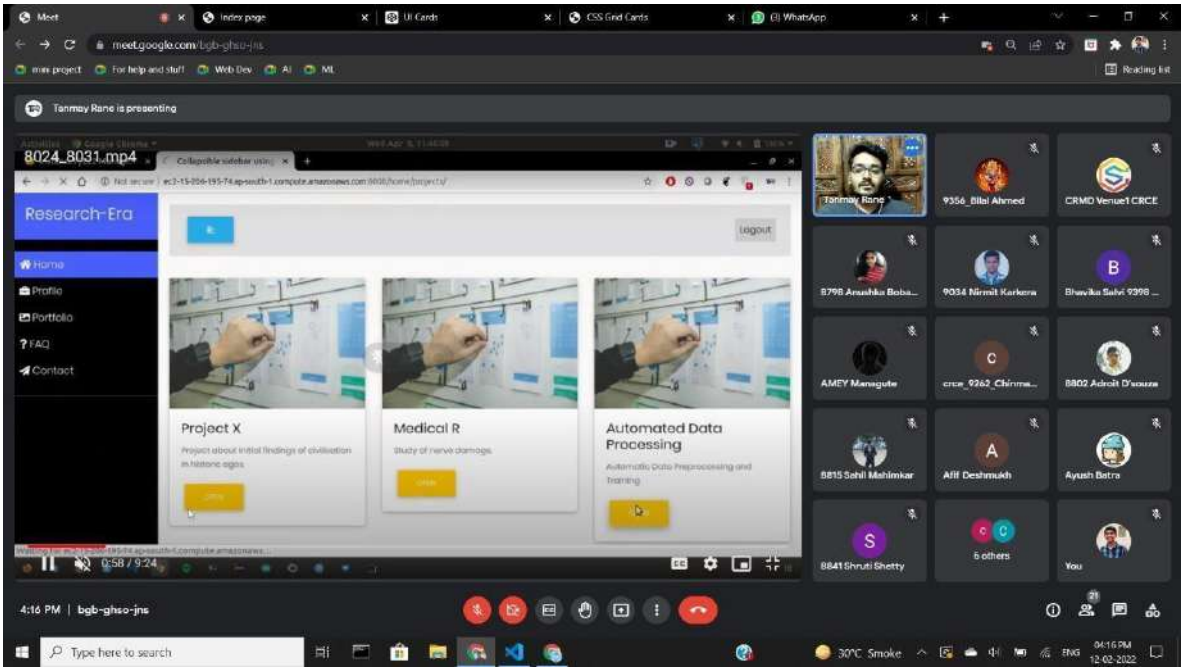
Mr. Tanmay Rane(speaker)

The speaker of the session was Mr. Tanmay Rane. Mr. Tanmay Rane is working as Machine Learning Engineer at Quantiphi and is an alumnus of our college. He has Specialised in Deep Learning, Cloud Technology (AWS, GCP), Computer Vision. He
has previously Worked on problems in fields of Fraud detection, MLOPS, Tensorflow 3D, Explainability in ML, Image Classification at Scale and many more.

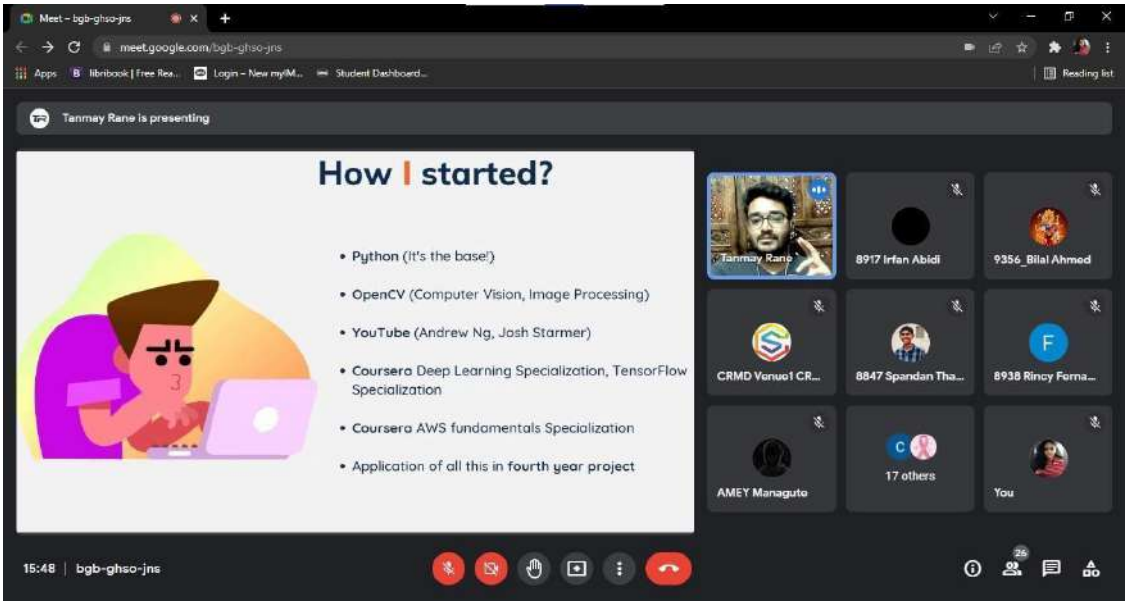


The session began with our junior council member Bilal Ahmed giving a brief introduction of the speaker. Mr. Tanmay started the session with an ice-breaking session where he described his humble beginnings in coding during his first year of

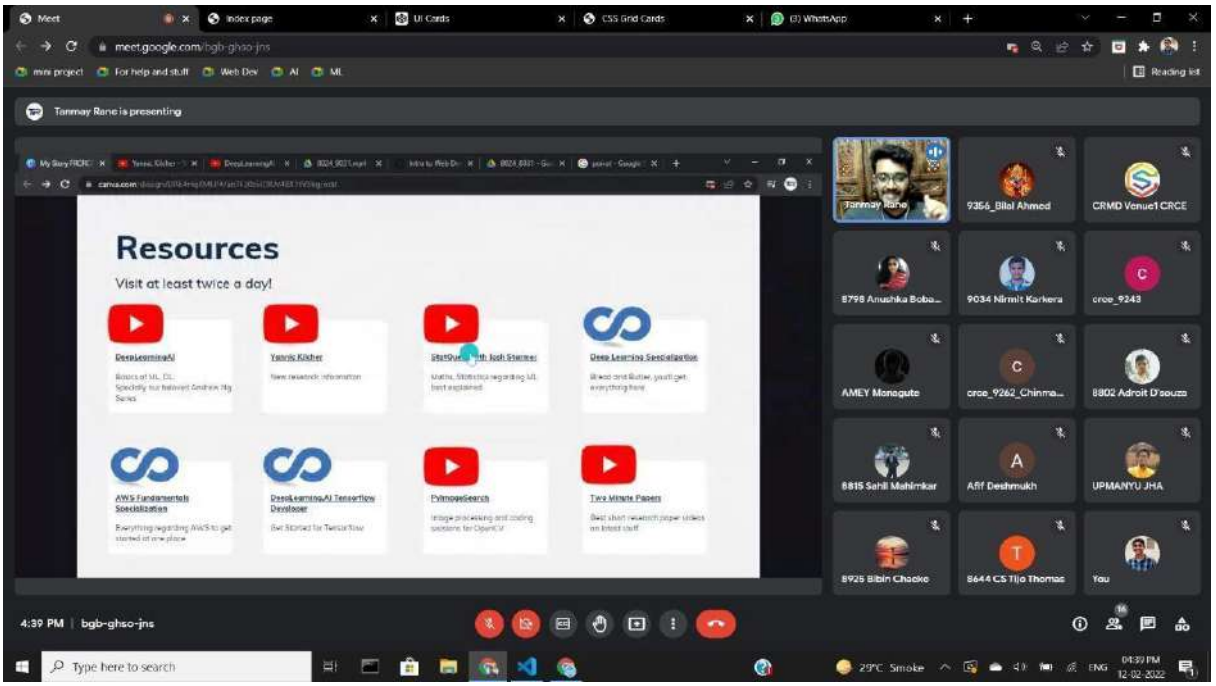
college. Then he described the turning point in college and how he set out on his path of understanding machine learning.



Mr. Tanmay also presented and explained a few machine learning projects that he worked on during his time in college and explained in detail the logic and technologies used in them. Further he shared some resources such as online courses and YouTube channels that he referred to while he was learning. After that
the session was open for questions from the students. The students asked questions about resources to be used and how they should begin, which were in a comprehensive manner.



The outcome of the seminar was that all the participants were introduced to various online resources related to machine learning to kick-start and their doubts regarding the same were addressed thoroughly. The session was ended by our senior council member Sherwin Dsouza by proposing a vote of thanks to Mr. Tanmay for taking out time and providing students with valuable guidance. We received positive feedback from all the participants. They were glad to get the much needed guidance about machine learning. The active participation from the speaker as well as all the participants made this event a grand success!



Some few questions asked in the audience were as follows:

- What is the best platform/material to get started for ML and Deep Learning?
- Is there any particular prerequisite for starting ML?
- Is it necessary to do paid courses or we can use free resources available online?
- Any hardware requirement is important for deploying?
- (After explanation of personal plan) This is the plan I have for now, would this work?

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

Entrepreneurship and Innovation as Career Opportunity

IIIExCRCE Webinar Report

In the midst of an unprecedented crisis of covid 19 IIIExCRCE organized a virtual webinar on Entrepreneurship Development Phases on 15th January 2021.

The webinar was organized by our council members Chairperson- Girish Chawla, Senior Vice Chairperson- Parth Rathod, Kevin Mathew- Junior Vice Chairperson, Abel David- Council Secretary, Asiya Sheikh- Joint Secretary, Sanat Pednekar- Junior Secretary, Saqueeb Kudroli-Technical Head, Yayati Nakhate- PR head, Chirag Jadhav- Documentation in charge, Executive members- Allen Dony, Kelvin and Neel and our council advisors- Manan Nandwana, Amit Dubey, Shubham Nar,Ronak Mistry and Jees Joy

The basic idea was to help students learn online from financial experts and to sharpen the entrepreneurial minds of the students in order to encourage them to come up with bright ideas and to embrace the challenges that come along one's way when setting up their own company or startup. The objective of the webinar was to clear their doubts and gain knowledge as to how to be an entrepreneur and the different phases related to it The Webinar series was conducted under the guidance of Prof. Mvb Rao, Dr. S. K Das ,Dr.Bhushan Patil- the faculty advisors of the IIIExCRCE council. The webinar was very effective and was a great success. The following is the description and content of the webinar that was conducted by the council.

Webinar Details: -

Saturday 15th January, 2022

Speaker: **Mr. Devesh Chawla**

Founder and Ceo - Chatur Ideas (Chatur Ideas is a startup enabling platform with over 950 startups and 1500+ investors where startups get funding, mentoring and 360 degree execution support)

The speaker is a TedX Speaker, mentor and investor himself and has worked with hundreds of startups including Catapooolt, Strike, Orbit Marketplace, Gamooz, Maax Market, Market Pulse, Hubilo, Sociorac and many more. He also runs entrepreneurship programs across colleges and startups along with joint certification courses with IIT-B, Spinta Global Accelerator, USA, etc. He has been covered by various media, newspapers, TV Channels in India & globally.

Topic: **Entrepreneurship Development Phases**

Platform: Google Meet

Participants: 66

The webinar began with the speaker asking the audience a basic question as to **why one wants to become an entrepreneur** to which he received various responses. He explained that one does not choose to be an entrepreneur merely to create an impact, be independent, attain freedom of choice, attain monetary riches as these things can be fulfilled in a job as well, but the passion, growth and happiness of starting something of one;s own is much more immense in entrepreneurship. The speaker also gave various examples of startups and how they have grown over the years. The speaker then went on to explain why a majority of the startups fail in its infancy stage and a minuscule number succeed. He went on to explain the challenges entrepreneurs face like not being one's own boss (the client is the boss), lack of time, extremely high workload(24/7). The speaker cautioned the audience that in the early years entrepreneurs have to get their hands dirty, and often work without a fixed income, and the ones who do succeed are the ones who are passionate about solving problems and helping people by finding solutions at large.

The speaker explained that once one comes to know why he/she wants to be an entrepreneur, the second stage is to **validate one's own idea** . How does one know that he/she is solving the right problem. He explained the various steps involved in this.

1. List down the problem that one is solving.
2. List down what are the solutions that one is offering on the table.
3. Take that solution to reach to customers

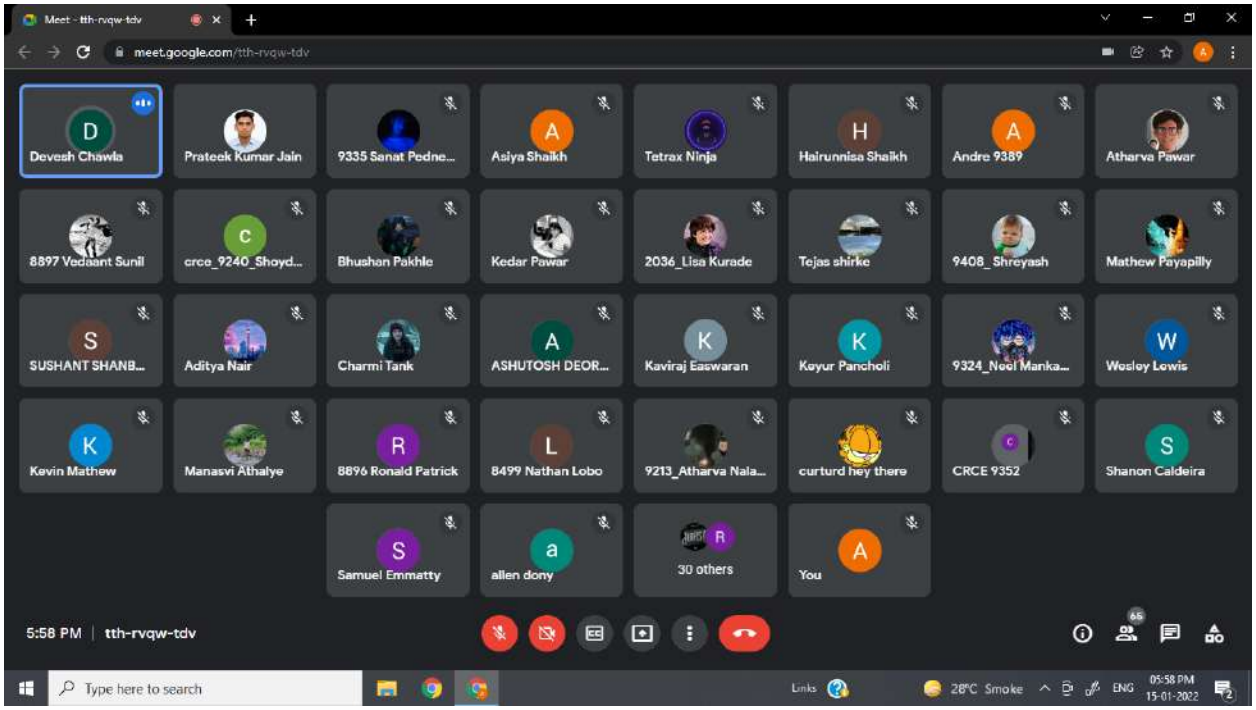
He then went on to explain the various qualities that one has to possess in order to be an entrepreneur.One has to be very strong in their integrity and has to be an excellent salesperson. He emphasized that he/she has to be able to sell their product and secure customers even before the launch of the product. The speaker explained that this can only be possible if they take critical decisions to woo clients like offering shares or working on feedback given by them etc.

The speaker then moved on to the next phase as to **How to implement the idea ie. how to take it to the next level.** This stage involves the making of the business plan and marketing strategy. The speaker stressed that it is very important to get the right team, talented and performance driven to achieve the goal.

The speaker then told the audience about his own journey, the companies he invested in, the challenges they faced and the decisions they took to overcome those challenges.

He alo explained the role that a meaningful investor or mentor plays in the one's entrepreneurial journey and how it's worth giving up a part of the equity in this case.

Lastly the speaker explained the final phase as to **How to raise funds.** He explained that entrepreneurs never take money for survival but for scaling up the business. He then went on to explain the various stages of funding. 1st stage is bootstrap and the second stage is where one takes money from friends and family.



Overall, it was a very informative and enriching experience. The webinars crossed 60+ live participants. The participants included students & faculties of colleges across India in various fields majoring in Engineering. The session was very informative and students and faculty got to learn a lot of new things from the webinar.

In the end of the session, we had an interactive Question and Answer session which was intended to answer all queries possible and give them a clear view of the topic with the help of our modest speaker. The speaker was pleased to answer and clear doubts which were being asked.

The Webinar session is available to watch on our YouTube channel IIIExCRCE.

We sincerely thank all the participants who attended our webinars for their overwhelming enthusiasm and support, the faculty advisors and the council members of the IIIExCRCE council in guiding and helping us for successfully organizing this event. We also thank the Hod of the Production and Mechanical Engineering Department Dr.Bushan Patil, the principal Dr. Sreeja Unnikrishnan and the Director of this institution Rev. Fr. Valerian D'Souza for their unparalleled support and blessings.

Regards,

IIIExCRCE

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

IIC-FrCRCE

SESSION REPORT: LEAN STARTUP AND MINIMUM VIABLE PRODUCT
DATE: 26/02/2022

Session Report:

The session organised by E-cell FrCRCE was a live session on the complex and rather important topic of "Lean Start-Up and Minimum Viable Product" by Mr. Aditya Arora, entrepreneur & CEO of Faad Network. The session was a blend of fun, inspiration and much needed mentoring in the right direction.

Name of the event: **"Lean Start-Up and Minimum Viable Product"** by Mr. Aditya Arora

Date of the event: **26th February 2022**

Platform of the event: **Google Meet**

Sponsoring organisation: **E-cell and Institute Innovation Council (IIC)**

Total number of participants: **100**

The webinar began with an introduction of the speaker to the participants by **Mr. Yash Deshmukh**, which was followed by a short briefing.

The session was then taken over by the speaker **Mr. Aditya Arora** who started with giving a brief introduction of himself and then gave us a detailed and an informative session on the related topic. The main objective of this session was to introduce students to the topic of Lean Start-Up and explain all the aspects around it. Going forward with this, sir said that to explain the complexities of this topic, the topic was broken into 5 important principles. He then explained the 5 principles in a simple yet precise manner as follows -

1. The first one was called **Entrepreneurs Are Everywhere.** Irrespective of where you live entrepreneurs should come from everywhere. It shouldn't matter if you work from your home, a 5-star hotel, a basement, etc. as long as you have entrepreneurial spirit, you should keep moving forward. One other point which sir stressed upon was that in the initial stage of your journey as an entrepreneur you shouldn't invest a lot of your resources in fancy offices, and instead save up that money by working from home if possible.

2. Second one was **Entrepreneurship Management.** This point focused on needing someone to stand up as a leader to be able to manage people irrespective of the kind of business you're in. Someone needs to manage people to nudge them in the right direction and also hold them accountable for their actions.
3. Third and perhaps the most important one was called **Validated Learning.** User feedback is of utmost importance for any business to sustain and flourish and this point emphasises that. Validation can be found through various sources such as tests, experiments, etc. and they should be studied thoroughly and those results must be used to change and adapt to the consumer needs.
4. Fourth one was **Innovation Accounting.** It is quite important for an entrepreneur to monitor their progress and set milestones and based on the validation of their learnings which results in getting the best possible product that is out there to the consumers.
5. Fifth one which was sort of a culmination of all the previous points was the important aspect and it was called **Build, Measure and Learn.** The points help us get to what is called Minimum Viable Product or MVP. The build aspect of this point talks about building your MVP and getting to consumers by making use of validated learnings. All the collected data can further be measured by entrepreneurs real-time and analysed in a clear format to make out meaningful deductions. Based on this data we can learn about customer experience and their preference, which helps an entrepreneur decide on whether to continue with the same product, a changed product or a completely different product.

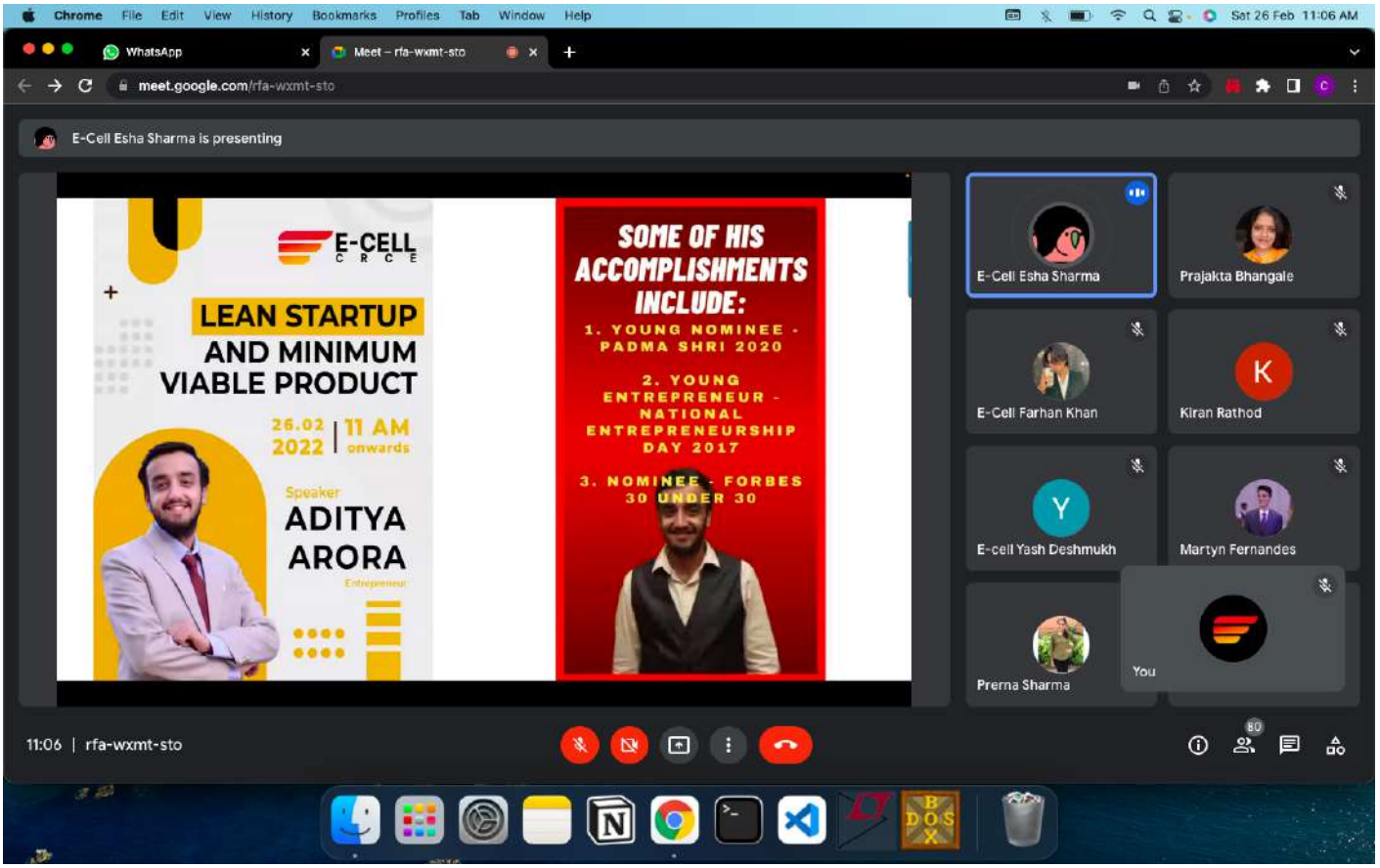
Thus, all these principles were explained carefully making sure the session was fun and exciting and not boring at all. Sir then summarised all the things he explained making sure he covered all the aspects in thorough detail. This was followed by a Q&A session where sir answered all the doubts that the participants had to the best of his knowledge and with utmost patience. The session was then concluded with a vote given by **Mr. Yash Deshmukh.**

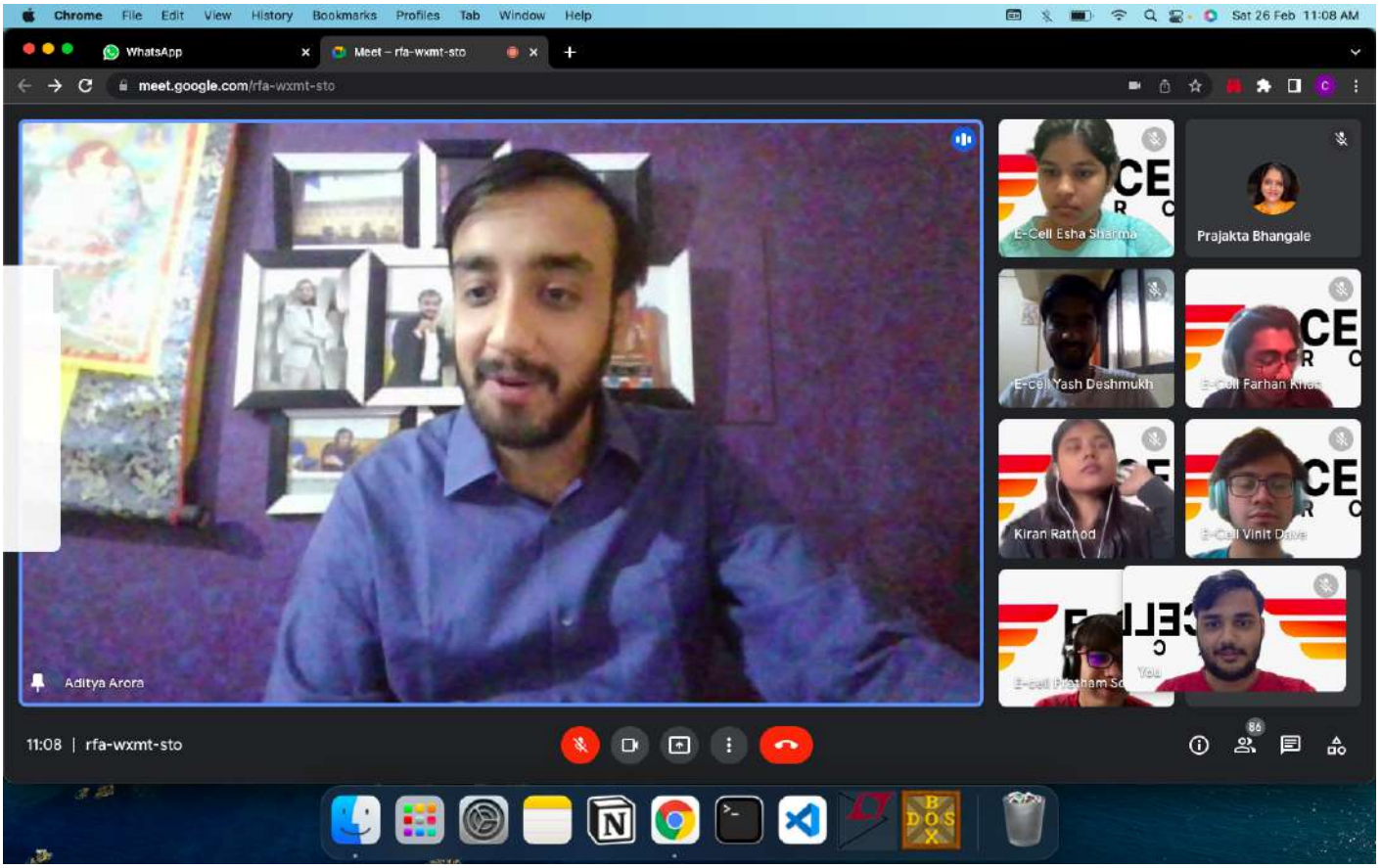
The session was very well received by both the students and professors alike. The great turnout of students along with the excellent session by the speaker made this session a big success! Overall the session was amazing and both the E-cell and the students would be eagerly waiting for more session from Mr. Aditya Arora.

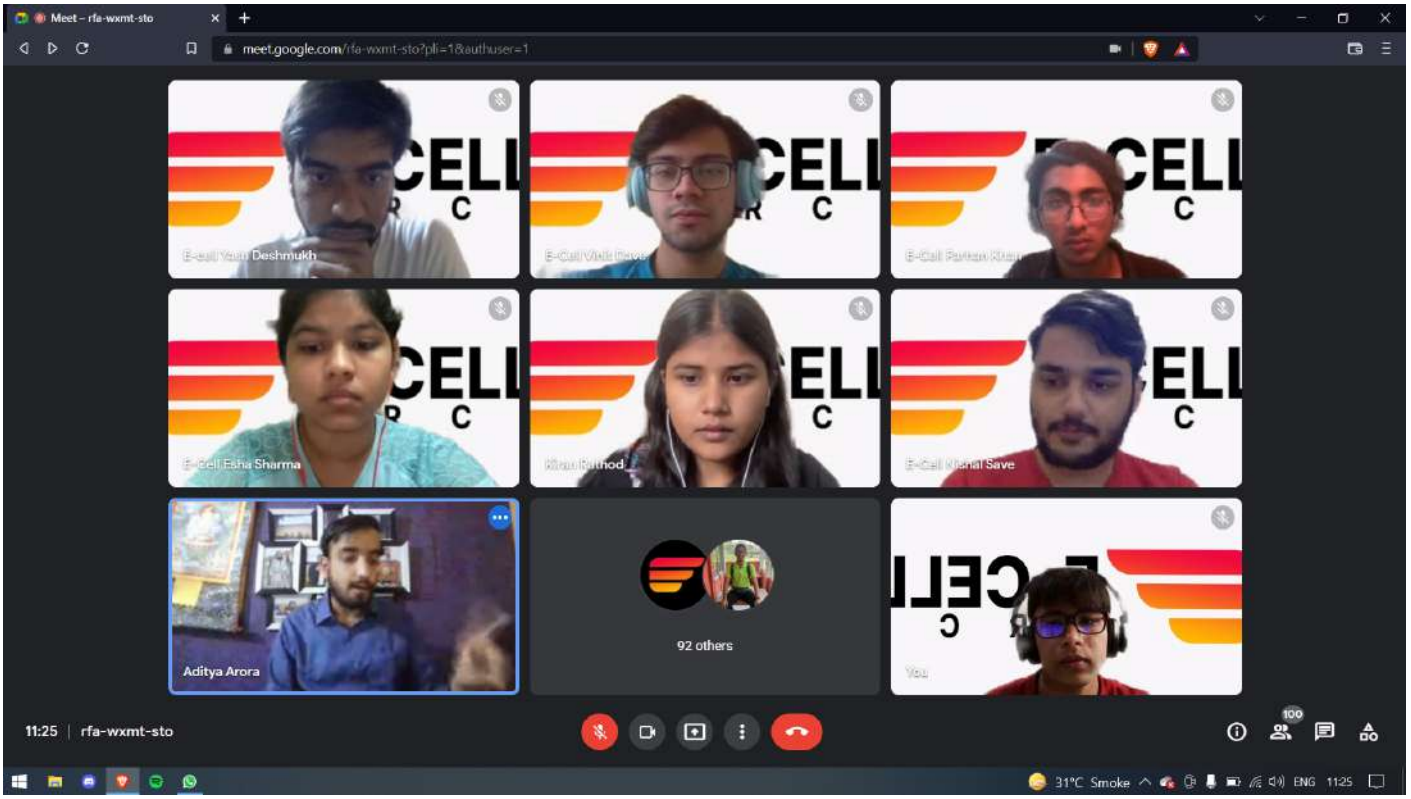
Prof. Prajakta Bhangale
(E-cell Teacher Incharge)

Yash Deshmukh
(E-cell General Secretary)

Some snapshots from the session -



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E-Cell Esha Sharma
Aditya Arora
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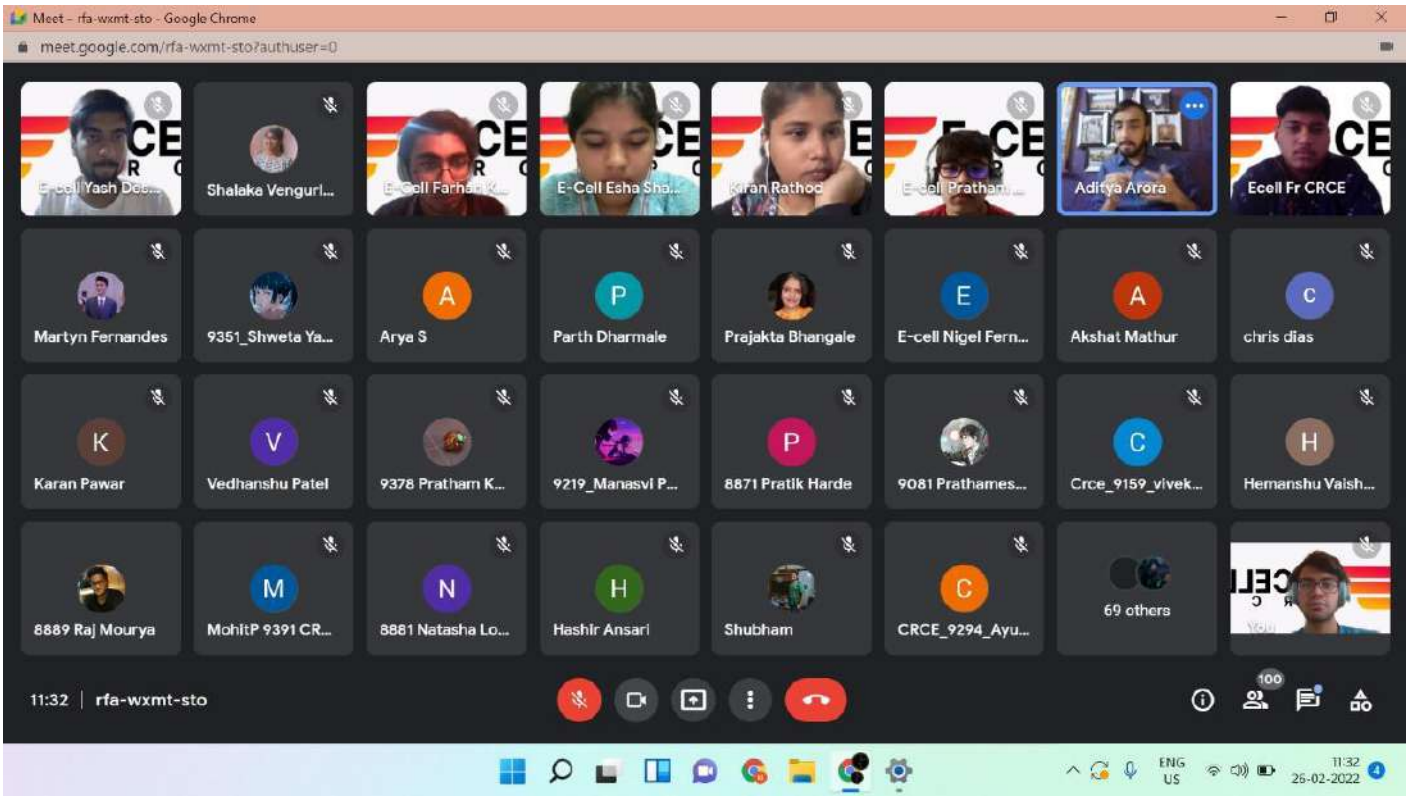
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Session on Innovation/Prototype Validation – Converting Innovation into a Start-up

Event: Prototype Validation - Converting Prototype into a Startup

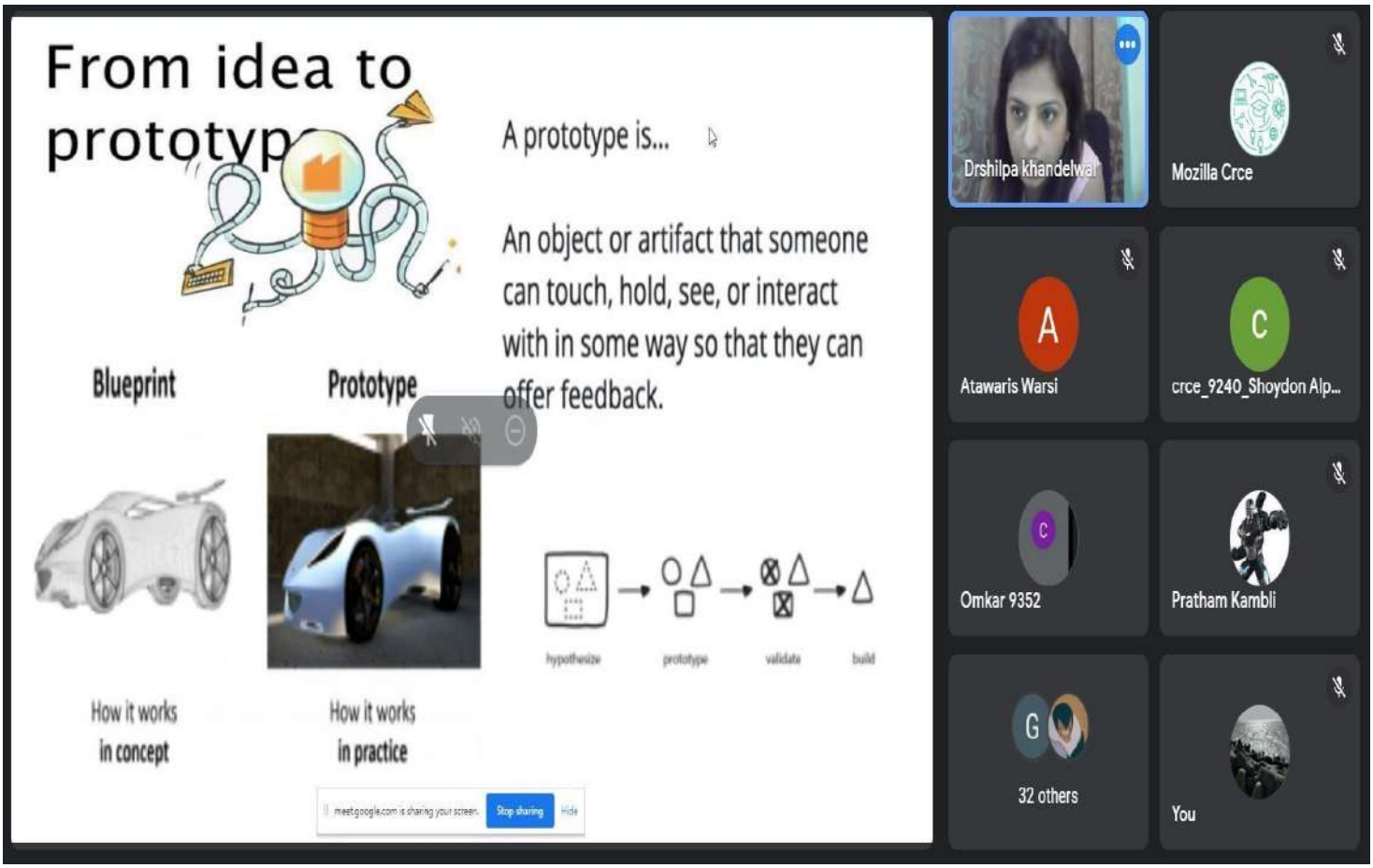
Date & Time: 27th February 2022, 11 am – 12 pm.

Speaker: Dr. Shilpa Kankonkar **Platform:**

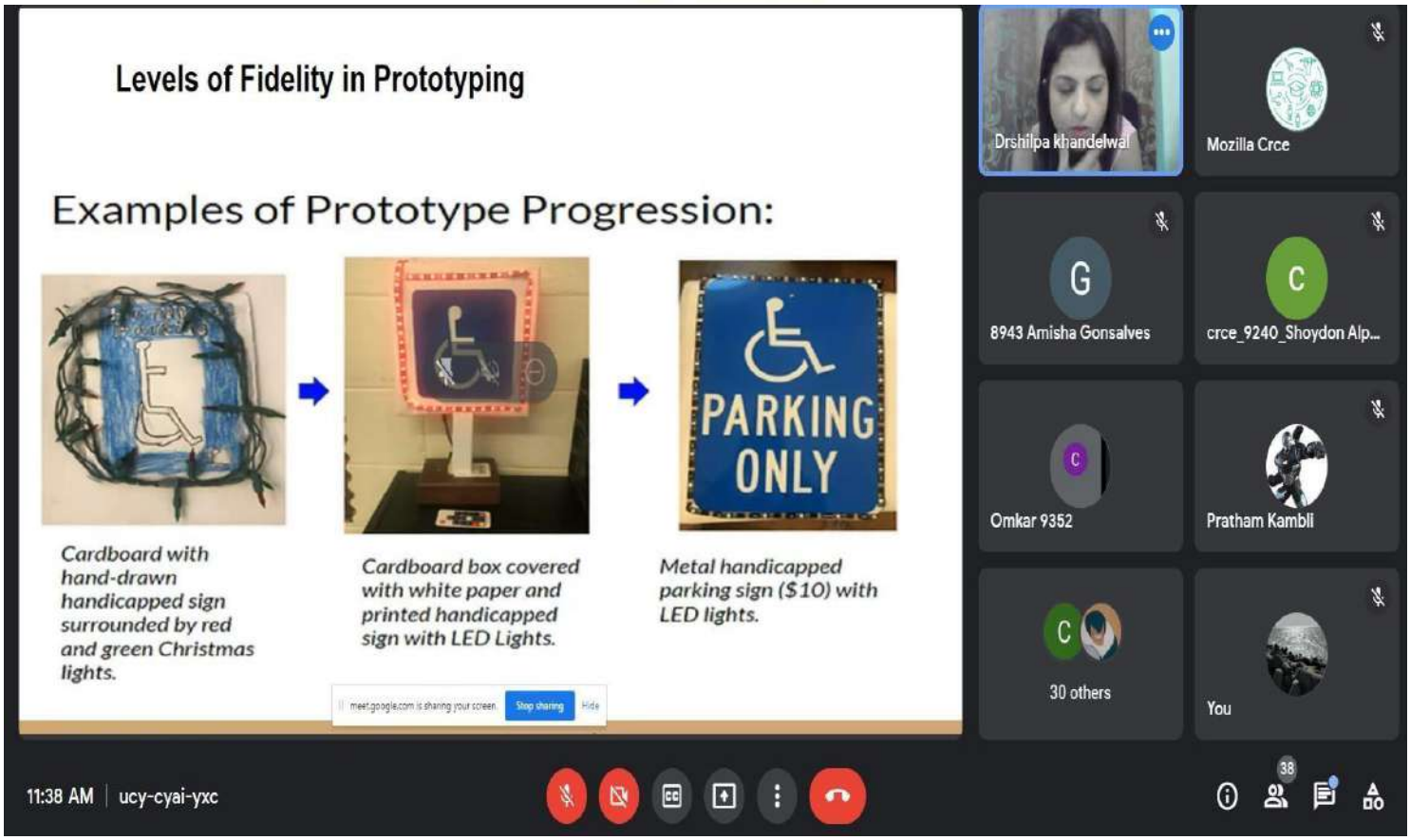
Google Meet.

No. of Participants: 38

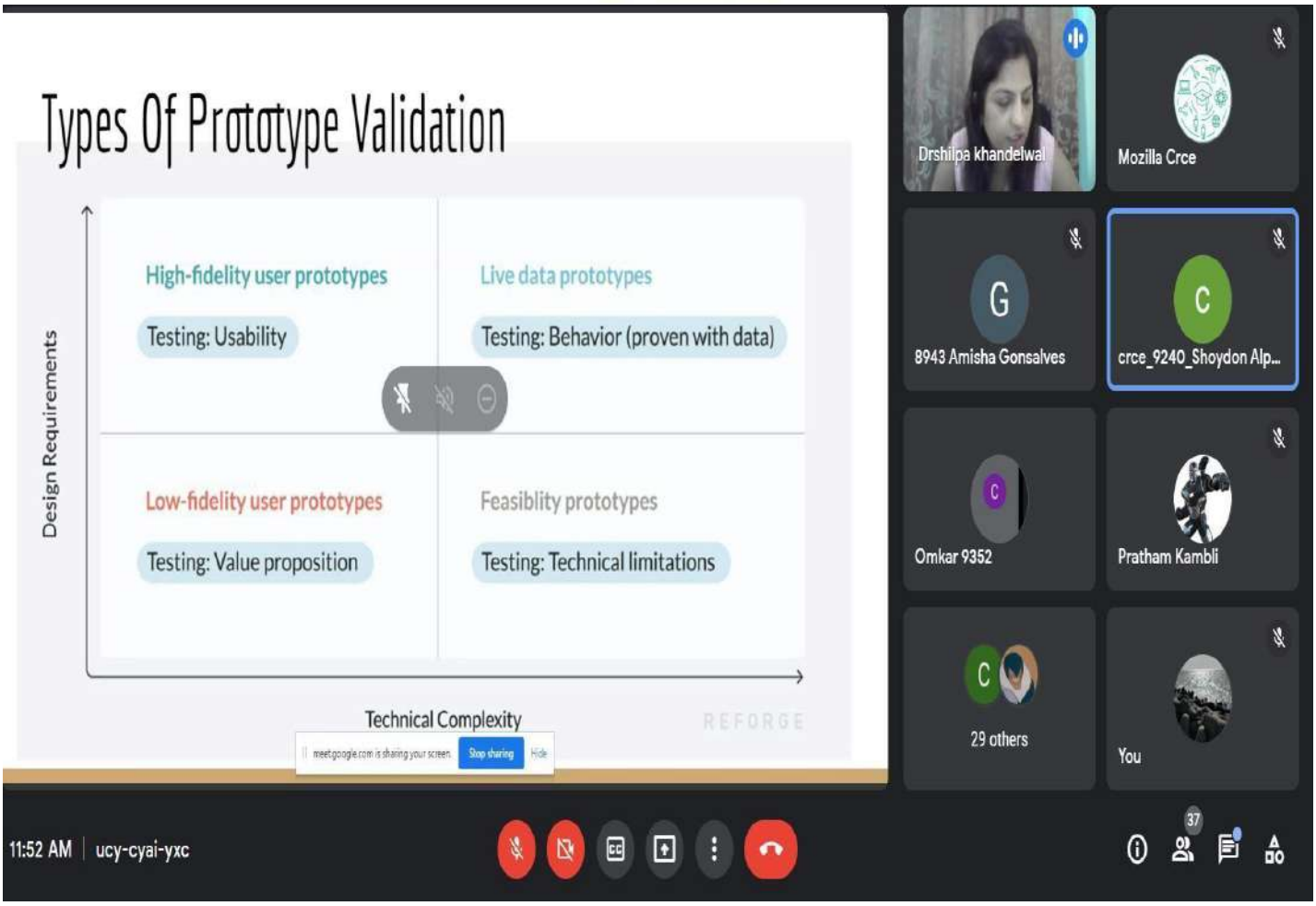
The webinar was delivered by Dr. Shilpa Kankonkar, globally recognized as a leading Start Up Specialist, Mentor with Start – Up India, Govt of India, Strategist, Public Speaker, Mentor, Author, Researcher, and Education Reformist. Running experiments and building prototypes go hand in hand. When doing any kind of validation, you need something to show to people in order to get their feedback. That's what prototypes are for. A prototype is nothing but a tool to help you validate a specific assumption.



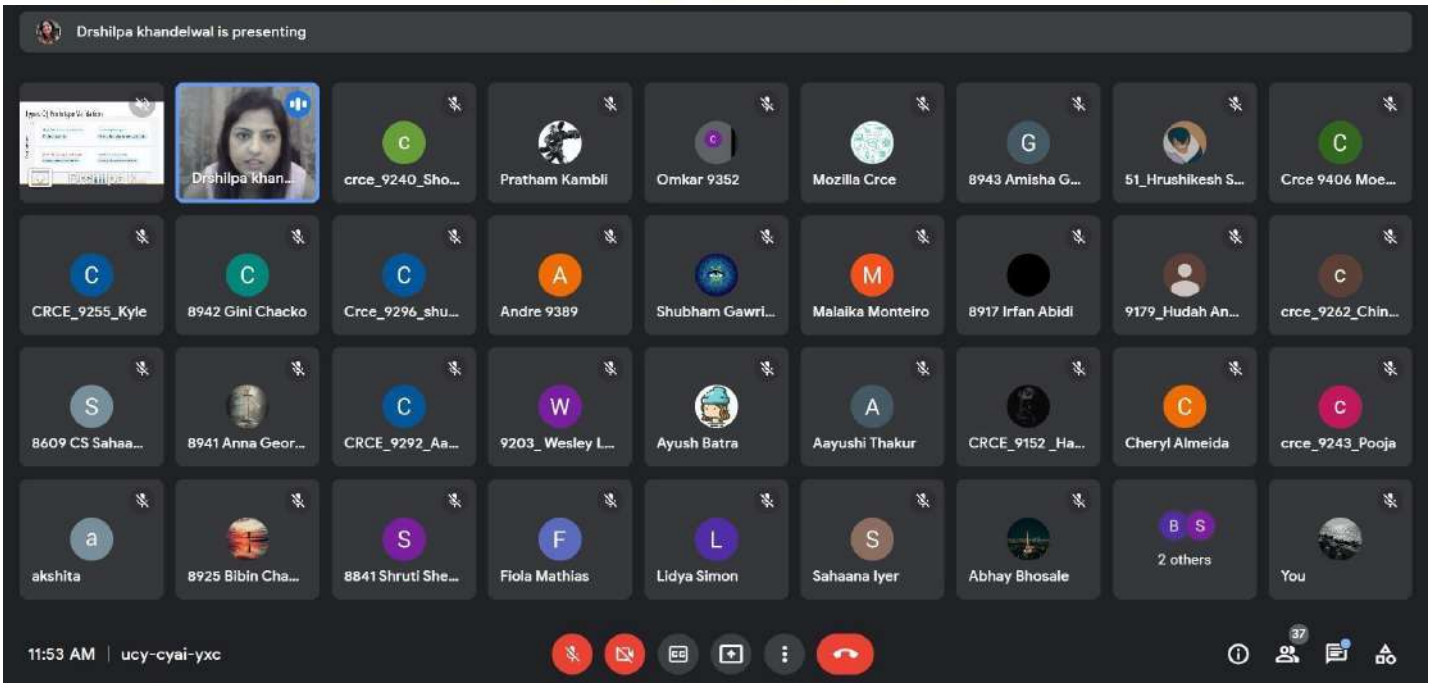
Dr. Shilpa Kankonkar started the webinar by asking a basic question, which was “What is a Prototype?” She got many responses out of which almost all of them were correct. After getting many responses she finally gave the perfect definition of a Prototype and explained about it in detail. After explaining the meaning of prototype, she then guided students on how to convert your idea into a prototype.



She then moved to the concept of Prototype Progression which is basically the level of design your prototype has starting from low fidelity prototype design to high fidelity prototype design. She also explained this concept with an example of parking boards. After displaying the examples to the participants, the participants understood how the prototype design progresses from a lower level to the higher level.



She then moved on to explain the types of prototype validation which were High-fidelity user prototypes, Live data prototypes, Low-fidelity user prototypes, Feasibility prototypes. She explained each type in detail by comparing them with respect to their design requirements and technical complexity. This made the participants understand the types of prototypes validation perfectly.



Post the webinar, several students appreciated the efforts put in by the speaker to make the webinar and the presentation interesting. A total number of 38 participants were present for the session.

Prof. Sunil Chaudhari

(Faculty In-charge)

STUDENTS' COUNCIL

CRESCENDO 2022 - HACKATHON

DATE: 19th - 20th MARCH, 2022

Hackathon Schedule/Session Plan:-

Date	Time	Contents
18th March 2022	11:20 pm	Problem Statement release
19th March 2022	11 am	Preference form sent
	11:30 am	Problem statements allotted + General Instructions
	12 pm	Hackathon begins
	3 pm	Mentoring round
	7 pm	First Judging Round
20th March 2022	7 am	Second Judging Round
	10 am	List of qualified teams released
	12 pm	Final Judging Round

Hackathon Report:-

Name of the event: ***Crescendo 2022 Hackathon***

Date of event: *19th - 20th March, 2022*

Location of the event: *Held Online*

Sponsoring organisation: *Devfolio*

Total number of students that participated: **150**

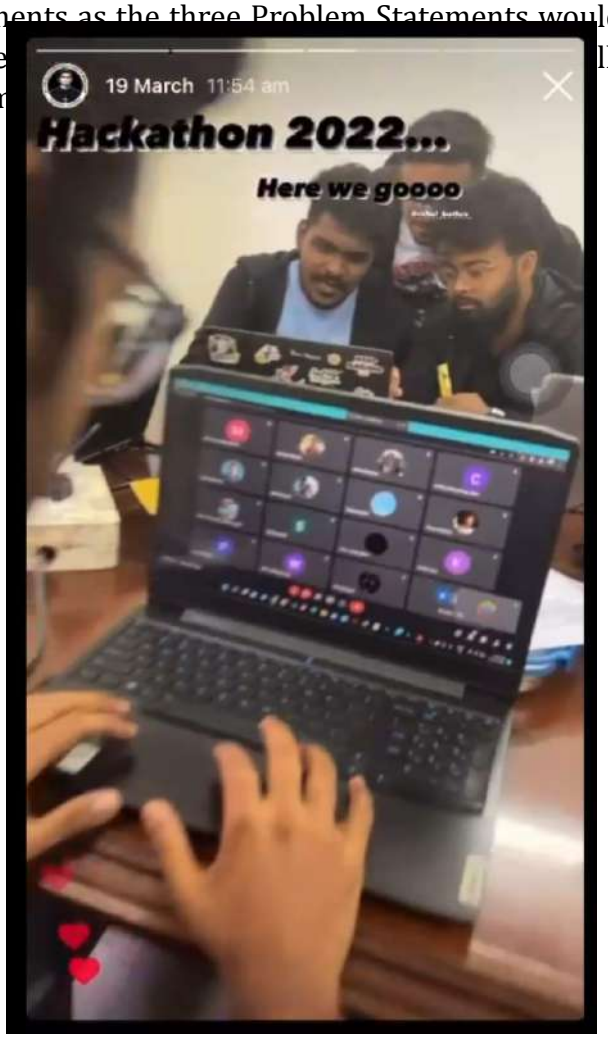
Total number of Faculty members that attended: **10**

The Students' Council of Fr. Conceicao Rodrigues College of Engineering successfully held their annual Technical Fest, fondly known as Crescendo, on the 17th, 19th and 20th of March, 2022. The objective of Crescendo was to give a platform to all students to challenge their technical abilities and bring about innovative ideas and solutions to the proposed problems. For the first time ever, Crescendo was successfully held in a hybrid format this year, with interactive and engaging events held offline as well as online that covered a wide variety of domains. There were a number of intra and inter college events held which broadened the scope for other colleges to participate and for our own college students to get their hands on the technical points and have a chance at winning the prestigious technical trophy. The events were divided into specific domains with an attempt to cover the entire spectrum of engineering domains our college offers.

The 'Flagship Events' domain was a major inter college domain during Crescendo 2022. This domain included the Hackathon, Mechathon and Elexathon. Crescendo on a whole was held over the course of 3 days with the intra collegiate events taking place offline on the first day and the flagship events being held online on the final 2 days.

Talking about the Hackathon, the Students' Council held a 24 hour online team-based hackathon which saw participation of students from colleges over the country. The hackathon included 3 problem statements that covered areas such as web development, UI and UX design, app development, machine learning etc.

The Problem statements were released a day prior for the students to analyse and choose the statement they would wish to solve in the given 24 hours. The next morning the preference for was sent, followed by the 'General Instructions' being given out by the Students' Council. During this time, the allotment for the Problem Statements was released. The teams were provided with a Google Form through which they could select the priority of the Problem Statements as the three Problem Statements would have to be divided and then equally allocate ll as the priority order mentioned by the team



The Problem Statements for the Hackathon were as follows:-

1) **Problem Statement 1:-**

   Vehicle Routing and Optimisation:-

   Participants have to create a tool which can generate and communicate optimal routing plans to help reduce costs and environmental impact. Minimize transportation costs by optimizing the route of vehicles from a single source to multiple destinations. Generate savings by determining the lowest-cost carrier and route for every shipment, for every mode, all across the globe. A "Green Score" to help track carbon footprint and sustainability. By efficient carrier planning using the shortest routes and cheaper modes of transport, there is an eventual saving on fuel and hence cost saving and better green score. The solution can build visibility on the expected time of arrival (ETA) with vehicle tracking including the impact of seasonality on the transportation. Analytics with visuals, dashboards and maps to track and trace vehicles

2) **Problem Statement 2:-**

   Animal rescue portal:-

   "Until one has loved an animal, a part of one's soul remains unawakened." This problem statement requires you to create a portal to help these voiceless beings. The required features include, but are not limited to, registering and uploading details about strays that need help. Donating money/goods required for rescue centres (receiving rewards for the same). Adopting a stray and being in touch with the rescue centres to keep a check about the care (a checklist made on how to tend to the animal). A centralized donation system with an imaginary currency. Users will pay real money and get the app currency accordingly, they can use this currency to donate to other animals or can buy food for strays from collaborating stores/centres. Collaborating stores/centres: the app will tie up with stores/hospitals which will accept the app currency and provide services/goods. At the end of the month the stores/hospitals will be paid according to the app currency they earned

3) **Problem Statement 3:-**

Researchers Platform:-

A one stop platform for students/researchers/industry experts to collaborate on research papers. The platform will have every user create a profile to avail of the services. First service will be to upload a request to collaborate on a research paper. This can either be just an idea for a paper,a half written paper, implementation done but paper not yet written, etc. along with how many people are required. Others can then send requests based on their interest and the person who put up the request can then select who they want to collaborate with based on the profile of the interested people. If the requirements are full and they accept the required people for the paper then the request should close. The next service will be the section for mentors. These will be industry experts/long time researchers who can mentor/guide people for their papers. Mentors can put up their area of expertise along with proof about the same. Research students can then select a mentor if required by browsing through the section. The last section will be for conferences taking place so that the papers can be presented there.

The Hackathon began at 12 pm on the 19th of March, 2022. 50 teams battled it out over the given problem statement for the title of 'Hackathon Winners' and 'Runners-Up' with cash prizes and certificates awarded for every respective problem statement.

The teams were provided with a chance of a one-on-one session with mentors to guide them midway during the Hackathon. Starting at 3 p.m., each team received a time slot of 15 minutes wherein they demonstrated their work done so far during the first 10 minutes followed by a doubt/opinion session in the 5 minutes that followed.

The first judging round took place at 7 p.m, after the mentoring session ended. Here, the teams were provided with a 10 minute time slot in which they had 7 minutes to demonstrate their work in front of the judges, and the remaining 3 mins consisted of a Q&A session between the team and the judges. All the teams that presented in the first judging round qualified for the second judging round.

The second judging round was held at 7 a.m. on the next day, 20th March, 2022.. The second judging round followed the same format as the first. After the second judging round a list was released which comprised the teams that qualified for the final judging round. 3 teams qualified per problem statement, that is, 9 teams in total qualified for the final judging round.

The Hackathon ended on the same day, the 20th of March at 12 p.m., after which, the final judging round was held. Here, the 8 qualifying teams got 15 minutes respectively to present their projects. After the final judging round, the remarks and scores were evaluated and the results were announced at 7 p.m. on the official Instagram handle of the Students' Council.

All the events under Crescendo helped the participants implement the knowledge that they have gained and also practically explore the field of engineering and technology, thus getting them one step closer to achieving the motto that the college believes in -

"Moulding Engineers Who Can Build The Nation".

STUDENTS' COUNCIL

CRESCENDO 2022 - ELEXATHON

DATE: 19th - 20th MARCH, 2022

Elexathon Schedule/Session Plan:-

Date	Time	Contents
18th March 2022	11:20 pm	Problem Statement release
19th March 2022	10 am	Preference form sent
	10:30 am	Problem statements allotted + General Instructions
	11 am	Elexathon begins
	6 pm	Mentoring round
	10 pm	First Judging Round
20th March 2022	1 am	List of qualified teams released (top 8 / 10)
	11 am	Final Judging Round

Elexathon Report:-

Name of the event: ***Crescendo 2022 Elexathon***

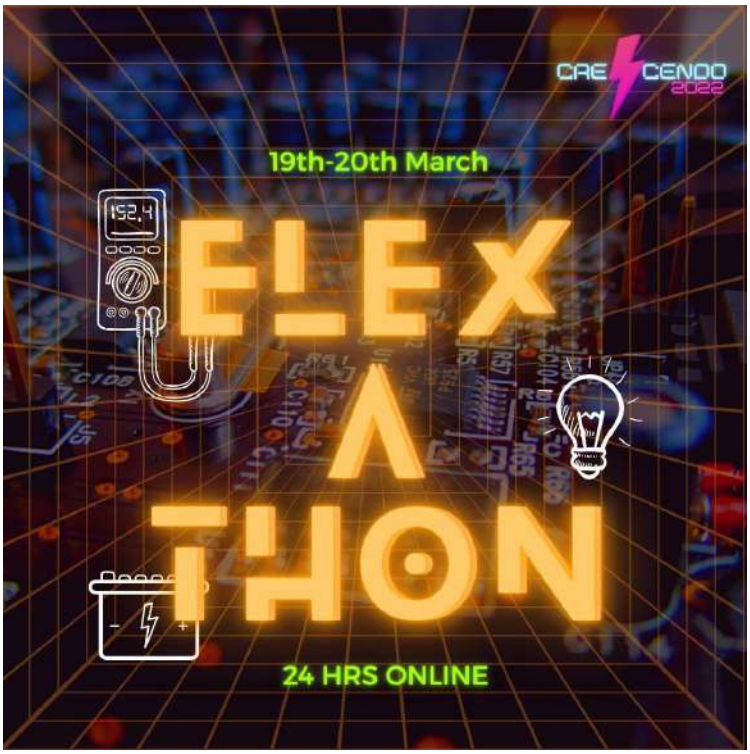
Date of event: *19th - 20th March, 2022*

Location of the event: *Held Online*

Sponsoring organisation: *Self Sponsored*

Total number of students that participated: **55**

Total number of Faculty members that attended: **10**



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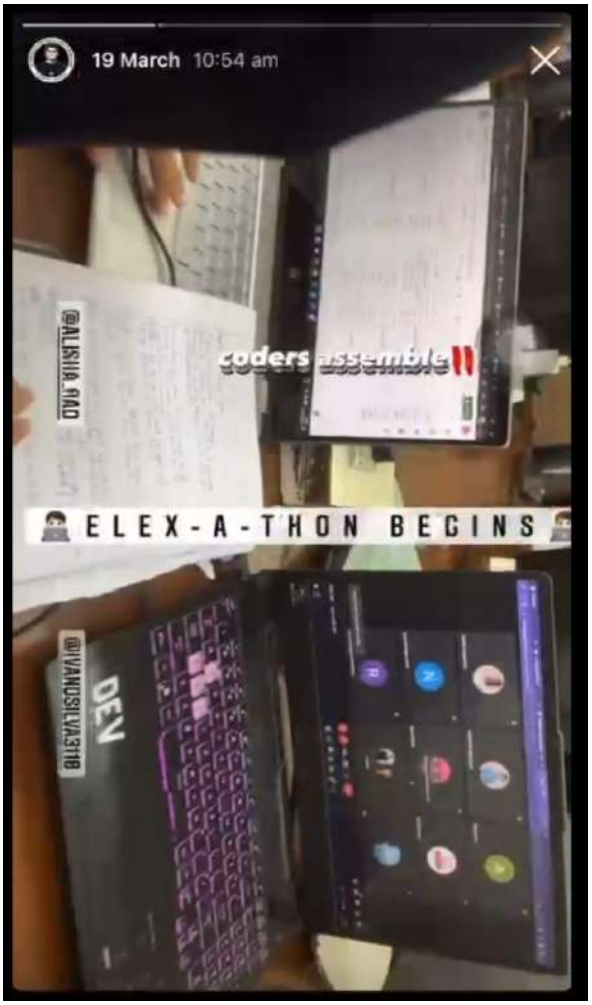
The 'Flagship Events' domain was a major inter college domain during Crescendo 2022. This domain included the Hackathon, Mechathon and Elexathon. Crescendo on a whole was held over the course of 3 days with the intra collegiate events taking place offline on the first day and the flagship events being held online on the final 2 days.



The Elexathon was a completely novel flagship event for Crescendo and a new feather on our cap. It had two single problem statements, one inspired by the Agriculture domain and the other inspired by the Healthcare domain. It provided an equal platform to electronics and likewise students to apply the knowledge that they gained in real world situations.

The Problem statements were released a day prior for the students to analyse and choose the statement they would wish to solve in the given 24 hours.

The next morning the preference for was sent, followed by the 'General Instructions' being given out by the Students' Council. During this time, the allotment for the Problem Statements was released.

The problem statements were as follows:-

1. Problem Statement 1:-

   AGRICULTURE DOMAIN

   - Monitoring climate changes using smart farming sensors that are located across the field, they collect various data from the environment and send it to the cloud. The provided measurements can be used to map the climate conditions, choose the appropriate crops, and take the required measures to improve their capacity.
   - Use of sensors to get accurate real-time information on greenhouse conditions such as lighting, temperature, soil condition, and humidity.
   - Sensing for soil moisture and nutrients, controlling water usage for optimal plant growth, determining custom fertilizer profiles based on soil chemistry and determining the optimal time to plant and harvest.
   - Livestock tracking and monitoring to collect data on stock health, well-being, and physical location as well as temperature, health, activity, and nutrition insights.

2. Problem Statement 2:-

   HEALTHCARE DOMAIN:-

   - Heart beat Sensing and Heart Attack Detection Using the internet of things. The sensor is interfaced to a microcontroller that allows checking heart rate readings and transmitting them over the internet. The user may Set the level of heart beat limit. After setting these limits, the system starts monitoring and as soon as a patient's heart beat goes below or above a certain limit, the system sends an alert to the controller which then transmits this over the internet and alerts the doctors as well as concerned users.
   - A Heartbeat and Temperature Measuring System for Remote Health Monitoring using Wireless Body Area Network. Propose an architecture

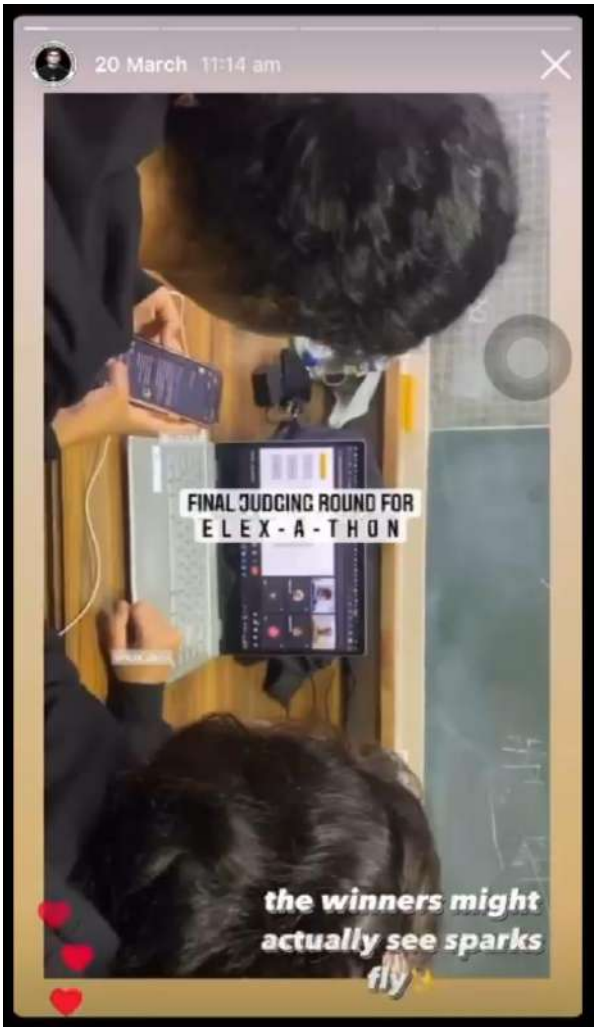
which allows a network to be formed between the patient and doctor in order to enable remote monitoring of patients by analyzing the data of patients. The device should consist of sensors which are used to measure heartbeat as well as body temperature of a patient and it is controlled by a central unit. The readings from these sensors should be further processed and sent via GSM module to a remote location where it is displayed on a cell phone.

- Heartbeat Monitoring Alert. Propose an alert system that is able to monitor the heart beat rate condition of patients. The heart beat rate should be detected using photo plethysmograph (PPG) technique. It should send an SMS alert to the mobile phone of medical experts or patients' family members, or their relatives via SMS.

The Elexathon began at 11 am on the 19th of March, 2022. 18 teams battled it out over the given problem statement for the title of 'Elexathon Winners' and 'Runners-Up' with cash prizes and certificates awarded for the same.

The teams were provided with a chance of a one-on-one session with mentors to guide them midway during the Elexathon. Starting at 6 p.m., each team received a time slot of 15 minutes wherein they demonstrated their work done so far during the first 10 minutes followed by a doubt/opinion session in the 5 minutes that followed.

The first judging round took place at 10 p.m. on the same day. Here, the teams were provided with a 10 minute time slot in which they had 7 minutes to demonstrate their work in front of the judges focusing on a few predefined points, and the remaining 3 mins consisted of a Q&A session between the team and the judges. After the first judging round a list was released which comprised the teams that qualified for the final judging round. Out of the initial 18 participating teams, 8 teams qualified for the final judging round which was scheduled for the next day.



The Elexathon ended on the next day, the 20th of March at 10:30 a.m., after which, the final judging round was held. Here, the 8 qualifying teams got 15 minutes respectively to present their projects. After the final judging round, the remarks and scores were evaluated and the results were announced at 7 p.m. on the official Instagram handle of the Students' Council.

All the events under Crescendo helped the participants implement the knowledge that they have gained and also practically explore the field of engineering and technology, thus getting them one step closer to achieving the motto that the college believes in -

"Moulding Engineers Who Can Build The Nation".

STUDENTS' COUNCIL

CRESCENDO 2022 - MECHATHON

DATE: 19th - 20th MARCH, 2022

Mechathon Schedule/Session Plan:-

Date	Time	Contents
18th March 2022	11:20 pm	Problem Statement release
19th March 2022	9 am	Preference form sent
	9:30 am	Problem statements allotted + General Instructions
	10 am	Mechathon begins
	5 pm	Mentoring round
	9 pm	First Judging Round
20th March 2022	12 am	List of qualified teams released (top 8 / 10)
	10 am	Final Judging Round

Mechathon Report:-

Name of the event: ***Crescendo 2022 Mechathon***

Date of event: *19th - 20th March, 2022*

Location of the event: *Held Online*

Sponsoring organisation: *Self Sponsored*

Total number of students that participated: **65**

Total number of Faculty members that attended: **10**

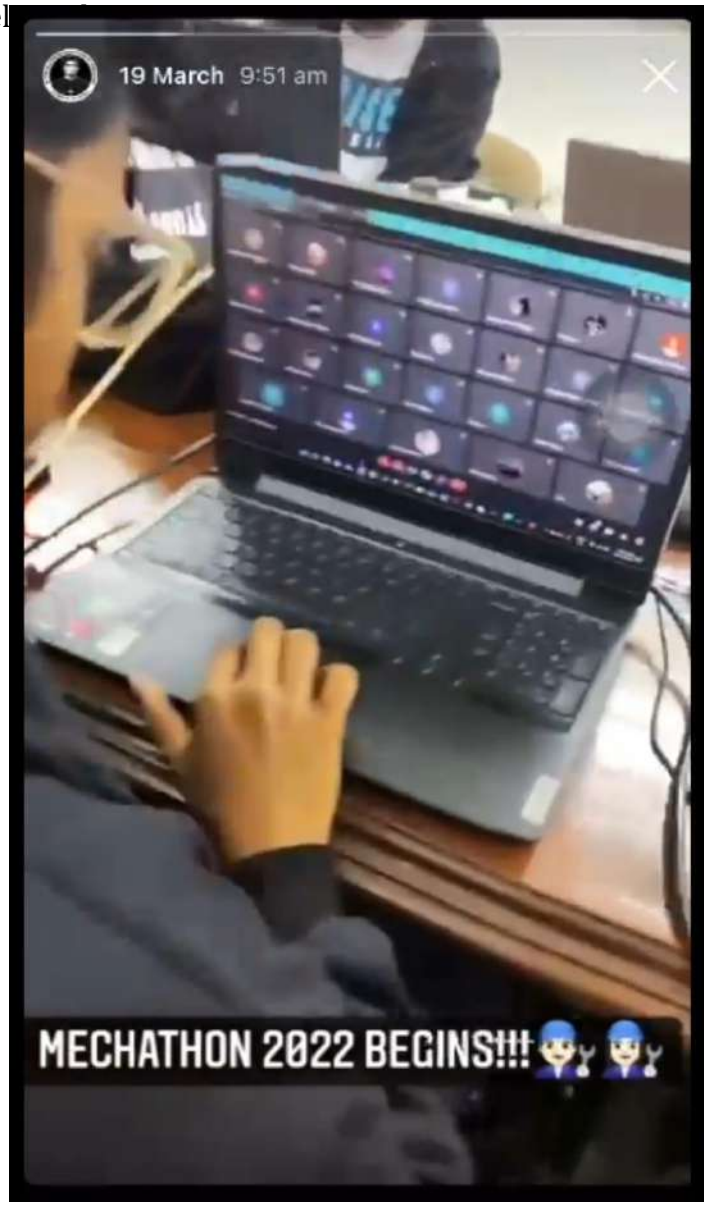
The Students' Council of Fr. Conceicao Rodrigues College of Engineering successfully held their annual Technical Fest, fondly known as Crescendo, on the 17th, 19th and 20th of March, 2022. The objective of Crescendo was to give a platform to all students to challenge their technical abilities and bring about innovative ideas and solutions to the proposed problems. For the first time ever, Crescendo was successfully held in a hybrid format this year, with interactive and engaging events held offline as well as online that covered a wide variety of domains. There were a number of intra and inter college events held which broadened the scope for other colleges to participate and for our own college students to get their hands on the technical points and have a chance at winning the prestigious technical trophy. The events were divided into specific domains with an attempt to cover the entire spectrum of engineering domains our college offers.

The 'Flagship Events' domain was a major inter college domain during Crescendo 2022. This domain included the Hackathon, Mechathon and Elexathon. Crescendo on a whole was held over the course of 3 days with the intra collegiate events taking place offline on the first day and the flagship events being held online on the final 2 days.

This year we held the second edition of the Mechathon. It had two problem statements, both provided by individuals from the industry which challenged the key learnings of our young students. It provided an equal platform to mechanical and production students to prove their competitive and innovative abilities as well as understand the meaning and motive behind such proposed problems.

The Problem statements were released a day prior for the students to analyse and choose the statement they would wish to solve in the given 24 hours.

The next morning the preference for was sent, followed by the 'General Instructions' being given out by the Students' Council. During this time, the allotment for the Problem Statements was rel



The problem statements were as follows:-

1) Design of winch machine for lifting of 30 ton of metal girder 25mtr long.

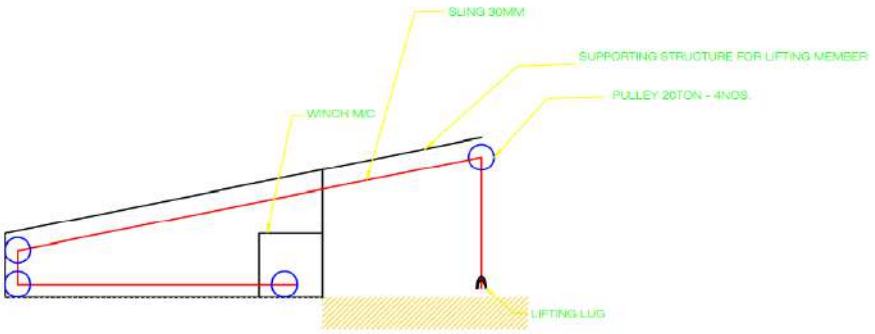
   Also define the mechanism with structure lifting assembly including BOM, cost analysis and STAD report.

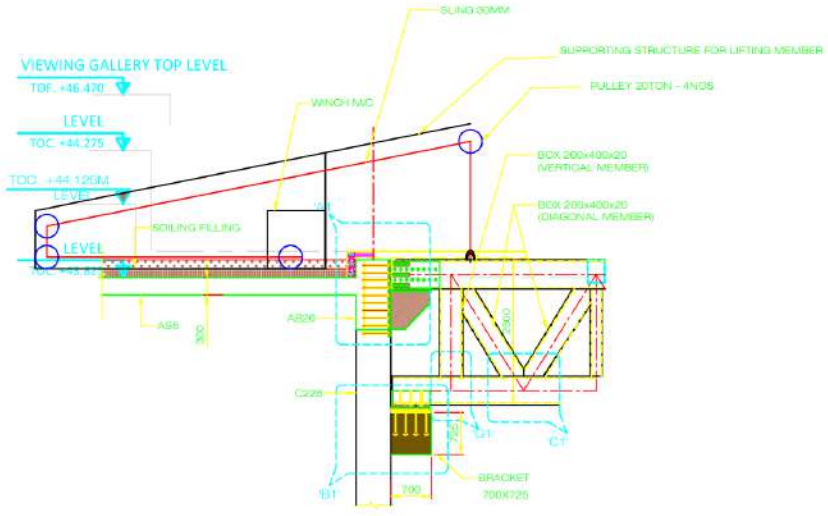
   Lifting will be done by using the double purchase winch method.

   2 winch machines of 25 tons each will be placed on 2 sides of the truss.

   Lifting assembly weight with a winch 4 tons. Proofing to be done by your designer. We will provide a basic design model.

   Lifting assembly weight is considered 4 tons with all j bolts and material included an





2) Design optimization of drones which is used for sprinkling water in hilly regions.

   If there is a deep hole or a rock, the drone can change the altitude of the drone instantly without hitting the obstruction like trees or rocks.

   The cost for this optimization should not exceed 1 lakh.

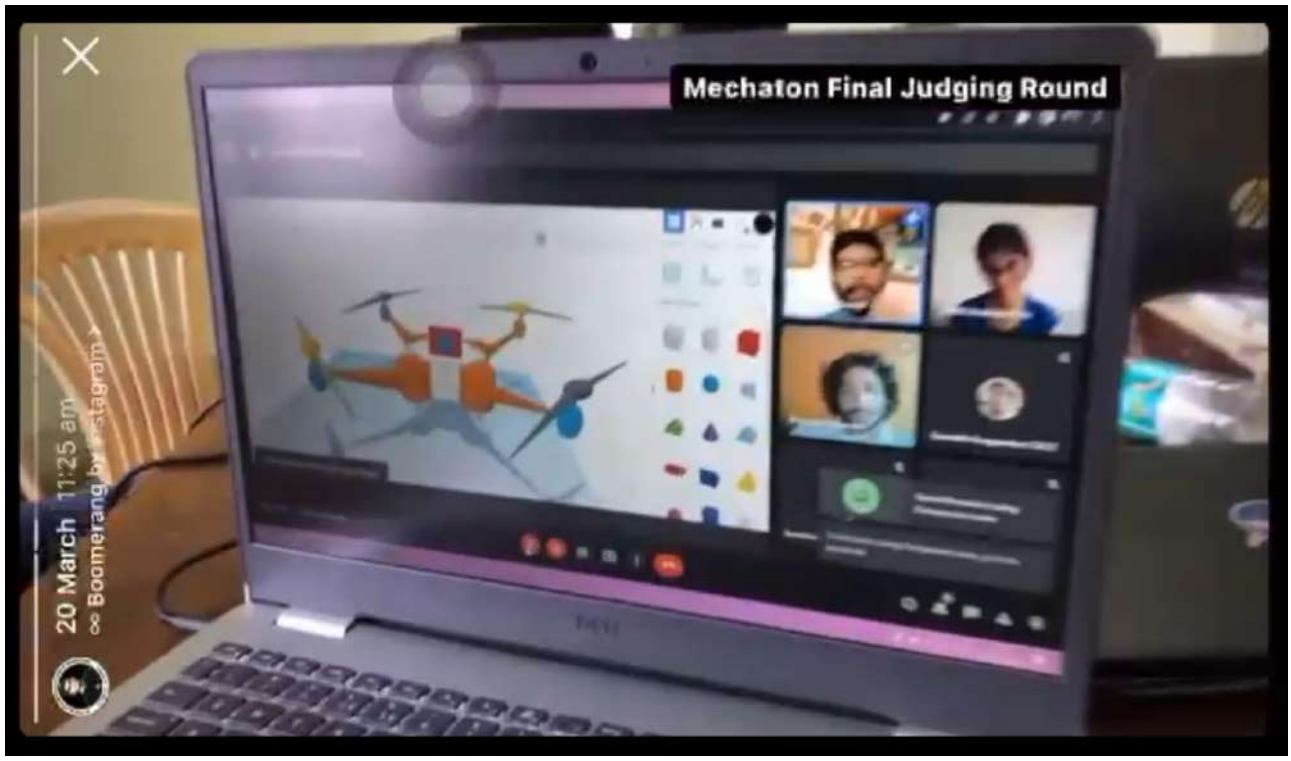
   The solution has to be more related to changes in hardware rather than change in the algorithm.

   (followed by 13 pages of parameters, specifications and systems)

The Mechathon began at 10 am on the 19th of March, 2022. 20 teams battled it out over the given problem statement for the title of 'Mechathon Winners' and 'Runners-Up' with cash prizes and certificates awarded for the same.

The teams were provided with a chance of a one-on-one session with mentors to guide them midway during the Mechathon. Starting at 5 p.m., each team received a time slot of 15 minutes wherein they demonstrated their work done so far during the first 10 minutes followed by a doubt/opinion session in the 5 minutes that followed.

The first judging round took place at 9 p.m. on the same day. Here, the teams were provided with a 10 minute time slot in which they had 7 minutes to demonstrate their work in front of the judges focusing on a few predefined points, and the remaining 3 mins consisted of a Q&A session between the team and the judges. After the first judging round a list was released which comprised the teams that qualified for the final judging round. Out of the initial 20 participating teams, 8 teams qualified for the final judging round which was scheduled for the next day.



The Mechathon ended on the next day, the 20th of March at 10:30 a.m., after which, the final judging round was held. Here, the 8 qualifying teams got 15 minutes respectively to present their projects. After the final judging round, the remarks and scores were evaluated and the results were announced at 7 p.m. on the official Instagram handle of the Students' Council.

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

IIC-FrCRCE

REPORT: BUSINESS MODEL CANVAS
DATE: 29/03/2022

Report:

E-cell conducted the third phase of the Idea Competition called “Business Model Canvas” in collaboration with IIC-FrCRCE on 29th March 2022. The session gave students a platform to present their innovative ideas and proposed solutions giving them a spirit to start their entrepreneurial journey. This session focused on the business plan aspect of the ideas.

Name of the event: **“Business Model Canvas”**

Date of the event: **29th March 2022**

Sponsoring organisation: **E-cell and Institute Innovation Council (IIC)**

Total number of teams: **5**

5 teams had the opportunity to present their business plans in front of the expert panel of judges who judged them on the basis of financial feasibility, technologies used, market survey, etc. After a brief introduction to judges, a gist of the flow of the event was given to everyone for ensuring the smooth flow of the event. Each team was then asked to give their business plan presentation based on their topics for about 10-15 mins after which a Q & A session followed during which the judges asked the teams a variety of questions to test their idea, the business model and real life applicability of the used idea.
The panel of judges for this competition were as follows:

1. **Mr. Shikhar Sachdev**, Director, Dhaniram Group of Industries
2. **Prof. Sunil Das**, Associate Professor, Dept. of Production Engineering, FrCRCE

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

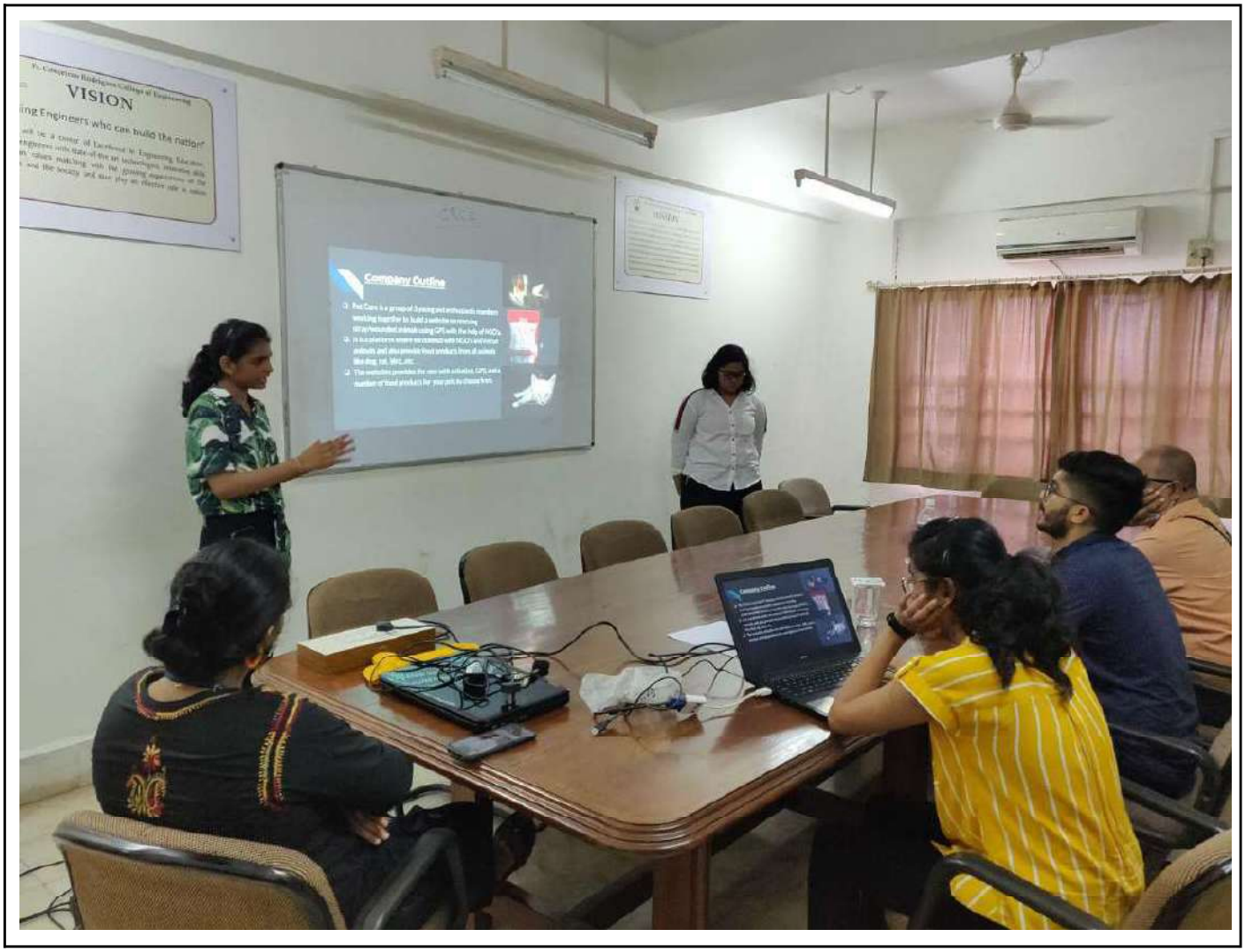
IIC-FrCRCE

The Q&A session was perhaps the best part as the students got to learn ample of things from the insightful inputs from the judges who are the experts in their field. Students with their curiosity flowing also took full advantage of this opportunity and it's certain that they learned a great deal that day from everyone. Overall the event was a big success with the judges being impressed by students' work and students learning from the judges.

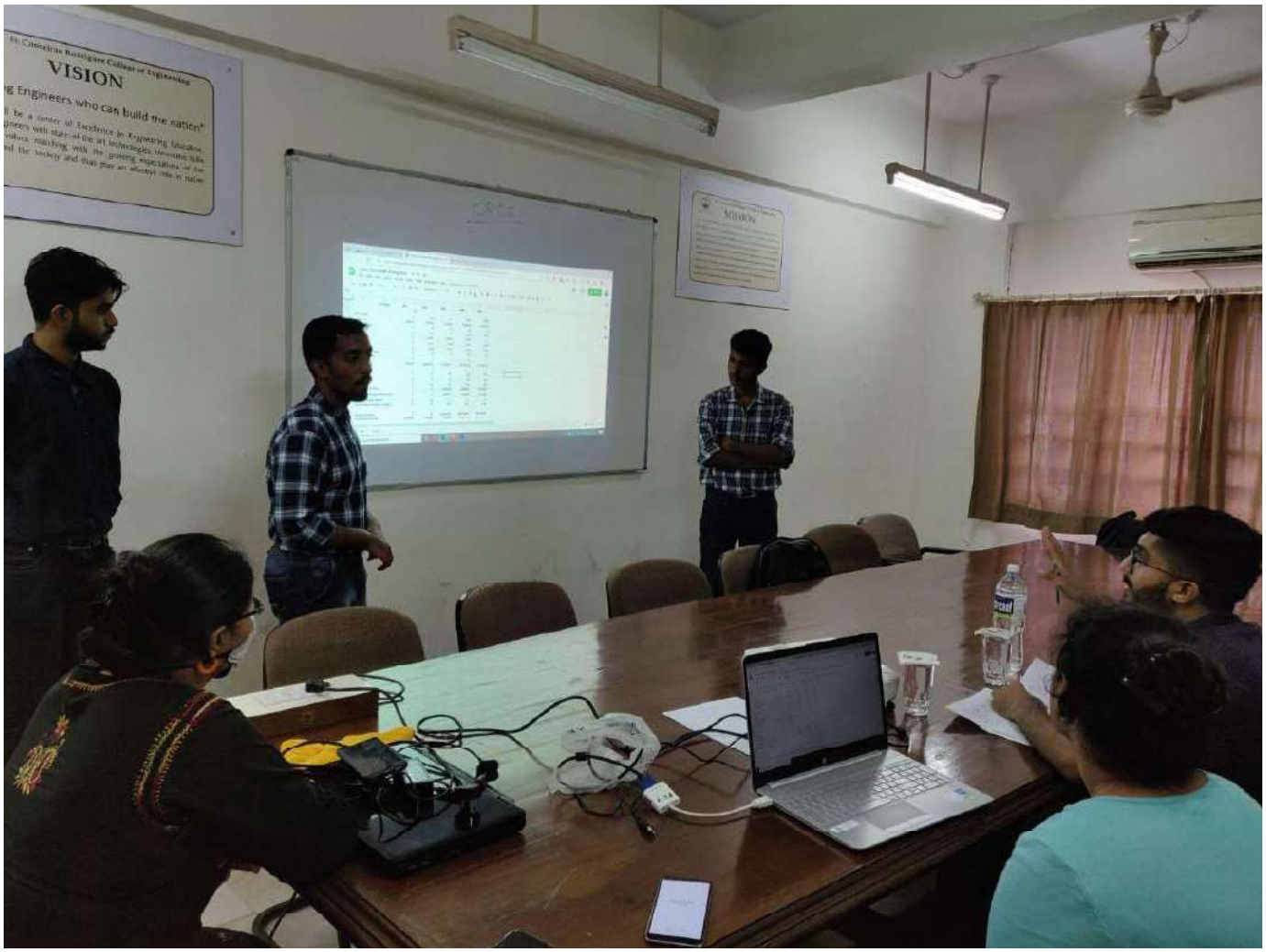
Prof. Prajakta Bhangale
(E-cell Teacher Incharge)

Yash Deshmukh
(E-cell General Secretary)

Some snapshots from the session:


VISION
Company Outline

Pharma
Care


VISION

VISION
SOLUTION

KEY PARTNERS

Joint Ventures,
Schools,
Colleges,
Parents,
Students,
Playstore,
Google,
Instagram,
Youtube,
University.

KEY ACTIVITIES

Levels of each planets starting from Mercury till Neptune. Every planet has it has it information displayed. After the information, player has to reach to the specific planet to give the quiz

KEY RESOURCES

Unreal Engine (software)
Intellectual
R&D Deptartment

VALUE PROPOSITION

Helping Students get free knowledge about the planets and a 3D visualization of planets. It is freely accessible across cross-platforms.

CUSTOMER RELATIONSHIPS

High-quality graphics and quizzes with points build an eager-to-learn factor in children.

CHANNELS

Playstore
Website
Steam
OculusVR
Appstore
Advertisment

CUSTOMER SEGMENTS

High-quality graphics and quizzes with points build an eager-to-learn factor in children.

COST STRUCTURE

Licensing of software (Unreal Engine), Wages of Workers, Computers, Electricity, Land, Maintenance, Marketing

REVENUE STREAM

Through Ads
In-App purchases
Selling Models

Business model canvas

Key partners

B.Tech and M.Tech Interns and working professionals who work as interns or freelancers on our website under the role of a teacher.

Key activities

Connect the knowledge seeker with a domain expert through live one on one video meets.

Key resources

Human
Intellectual

Value propositions

Helping students clarify their doubts, get guidance, get their issues resolved and much more in various technical areas like projects, programming language concepts, among others.

Customer relationships

High effeciency of solving and clearing student doubts and building a trust among the student community

Channels

Through our website

Customer segments

Teachers– B.Tech, M.Tech students and young working professionals
Students– B.Tech students
Employers– Companies in need of software Engineers

Cost structure

Wages of teachers
Development and maintanence of our website
Marketing

Revenue streams

Payment from students
Direct Hiring Charges from employers

Key Partners

- Electronics Suppliers
- Fabricators and Metal Dealers

Key Activities

- Customer Retention through after sales support and Rental
- Extensive Marketing

Key Resources

- *Refined Design*
- *Software Developers*
- *Electronic Engineers*

Unique Value Proposition

- Cheaper alternative to manual climbing.
- Fulfilling the shortage of manual labor.
- The robot can work for longer hours as compared to humans.

Customer Relationships

- Customer Feedback
- Onsite Support
- Discounts

Channels

- *Individually approach coconut farmers and firms*
- *Through Search Engines.*

Customer Segments

- *Coconut farm Owners*
- *Corporations with coconut products*
- *Institutions with coconut trees.*

Cost Structure

- Production Cost
- R&D Cost
- Software Development Cost
- Testing Cost
- Maintenance Cost

Revenue Streams

- *Traditional Pricing*
- *Rental operations*
- *Service and support*
- *Licensing Model*

D-Byte PharmaCare

Version: 1.0

Date: 28/03/2022

Key Partners

Hospitals through government, Insurance companies, Research Institutes, Local citizens

Key Activities

Records medical data of every patient delivers the data to the hospital before the patient arrive incase of emergency Provide data to the insurance company for better track at their clients.

Key Resources

Software Engineers Management Marketing team

Value Propositions

Helping the hospital to store data in a efficient way and in a centralized manner. Provide citizen a way to get rid of all the piles of files and provide their data to the desired hospital. Prevent fraud with insurance company. Help in R&D for research institute.

Customer Relationships

Anytime data availability Medicine schedular Data delivery before the patient arrive Immunity against the frauds

Channels

Playstore Appstore company to client

Customer Segments

Anytime data availability Medicine schedular Data delivery before the patient arrive Immunity against the frauds

Cost Structure

Licensing of software, Wages of Workers, Marketing, Advertisement

Revenue Streams

government, subscriptions and demand on supply

KEY PARTNERS:

- NGO's
- Pet Supply retailers

KEY ACTIVITIES:

- Organization of adoption
- Pet Shop Availability

KEY RESOURCES:

- Software Development

VALUE PROPOSITIONS:

- Care for Homeless Animals
- Promoting volunteering activites
- Making the community aware of the needs of animals
- Regulation of population of homeless animals.

CUSTOMER RELATIONSHIPS:

- Networking activites

EARLY ADAPTERS:
- NGO's

CUSTOMER SEGMENTS:

- NGO's
- Pet Owners
- Consumer

COST STRUCTURE:

- Product Development
- Salaries
- Platform maintenance

REVENUE STREAMS:

- Word of Mouth
- User Referrals
- Promoting volunteer and adoption activites.

MOE'S INNOVATION CELL

INSTITUTION'S INNOVATION COUNCIL

FR CONCEICAO RODRIGUES COLLEGE OF ENGINEERING

DEMO DAY/EXHIBITION/POSTER PRESENTATION OF BUSINESS PLAN/PROTOTYPE DEVELOPED & LINKAGE WITH INNOVATION AMBASSADORS FOR MENTORSHIP SUPPORT.

OVERVIEW

Objective:	**Benefit in terms of learning/Skill/Knowledge obtained:**
To Present Business Model Canvas prepared for the idea	This event helped the students to get insights about the idea execution and correct it.
Academic Year:	**Program driven by:**
2021-22	IIC Calendar Activity
Month:	**Program /Activity Name:**
November	Demo Day/Exhibition/Poster Presentation of Business Plan/Prototype developed & linkage with Innovation Ambassadors for mentorship support.
Program Type:	**Other:**
Exhibition/Demo Day	NA
Program Theme:	**Other:**
Entrepreneurship	NA
Date & Duration (Days):	**External Participants, If any:**

03/29/2022-03/29/2022-0	null
Student Participants:	**Faculty Participants:**
25	5
Expenditure Amount, If any:	**Remark:**
null	This is the Idea competition Phase III where teams presented Business Model Canvas and Plan in front of experts and mentors

ATTACHMENTS

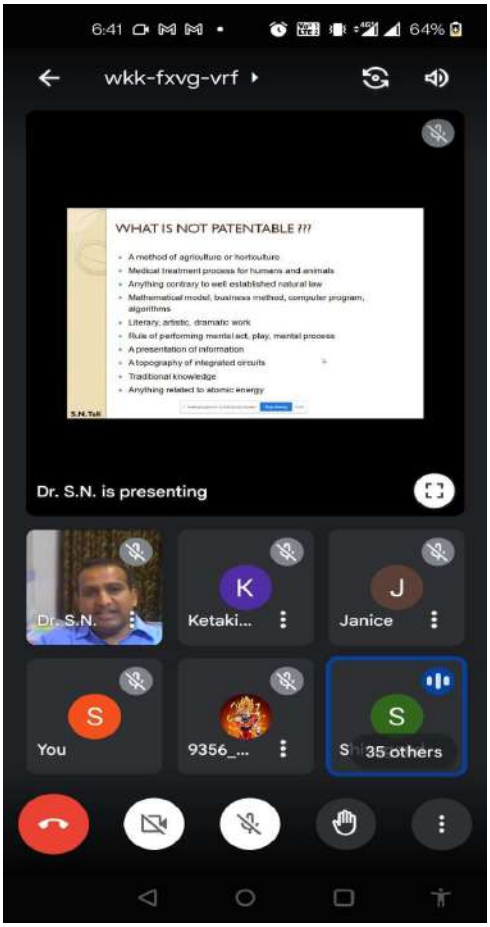
Video:	https://www.youtube.com/watch?v=NEKJ3x29VOI
Photograph1:	
Photograph2:	/uploads/institutes/monthlyReport/Photograph2/5067-IC201811040.jpg
Session plan, If any:	https://api.mic.gov.in/uploads/institutes/monthlyReport/report/6719-IC201811040.pdf

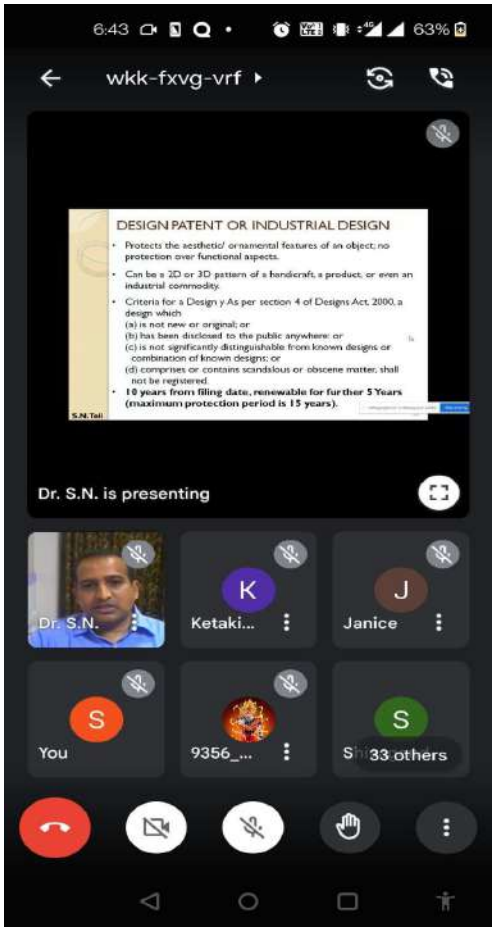
This report is electronically generated against report submitted on Institution’s Innovation Council Portal.

Workshop on IPR Overview and Implication

Event Name : Workshop on IPR Overview and Implication
Date : 9th May, 2022
Platform : Google Meet

The Electronics Engineering Department of Fr. Conceicao Rodrigues College of Engineering organized a workshop on IPR Overview and Implication on 9th May, 2022. The workshop is aimed to generate awareness about Intellectual Property Rights (IPR) in all the Sectors, thereby furnishing requisite guidance and proficiency about an assortment of procedures of copyrights, patents, trademarks, and publicity rights search and application filing.

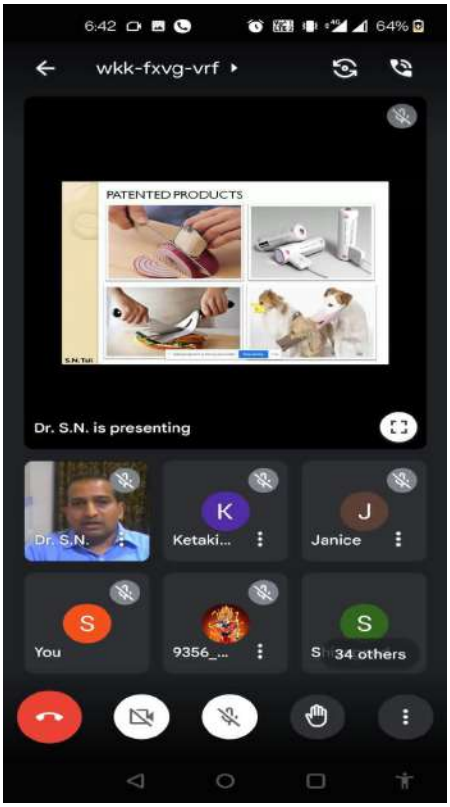


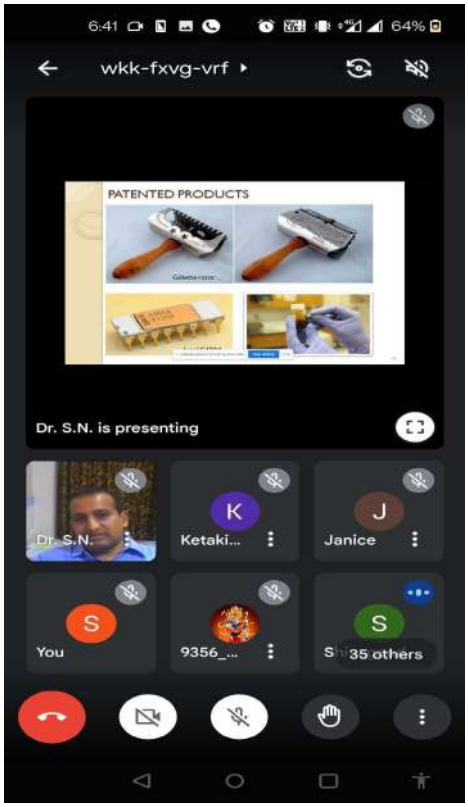


The mode of conduct for the session was Google Meet.

The speaker for the session was Dr. Shivagond N. Teli. Dr. S.N. Teli has rich experience in the field of IPR. He is a mechanical engineer by profession, he has published over 140 papers and has over 500 citations. He has got more than 20+ patents published and one patent granted. He is an IPR cell member in Mumbai University. He is a recipient of many excellence awards.

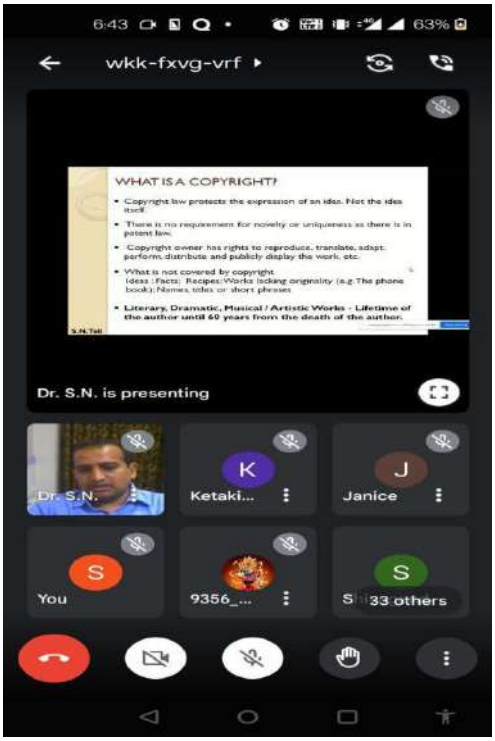
Dr. S.N. Teli began the session by introducing students to application of core engineering and its associated technologies there by explaining how they were contributing to the growth of organization, he even gave a brief introduction of himself and how he has shaped and built, acquiring technical and managerial skills throughout his career. He gave emphasis on aspects that involve applying reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and consequent responsibilities relevant to the professional engineering practice. He also addressed the principles of engineering and management and how applying these to one's work, as member and leader in a team can assist in managing projects and in multidisciplinary environments. Overall, he also spoke on the need for having effective communication to discuss complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, and make effective presentations.





Prof. S.N. Teli further went on to explain in depth on “What is Creativity”, distinguishing and stating the precise meaning of an invention and an innovation with help of a practical example. During the course of the session, he used four case studies to explain the design template for patents, for copyright and how to publish and file a patent.

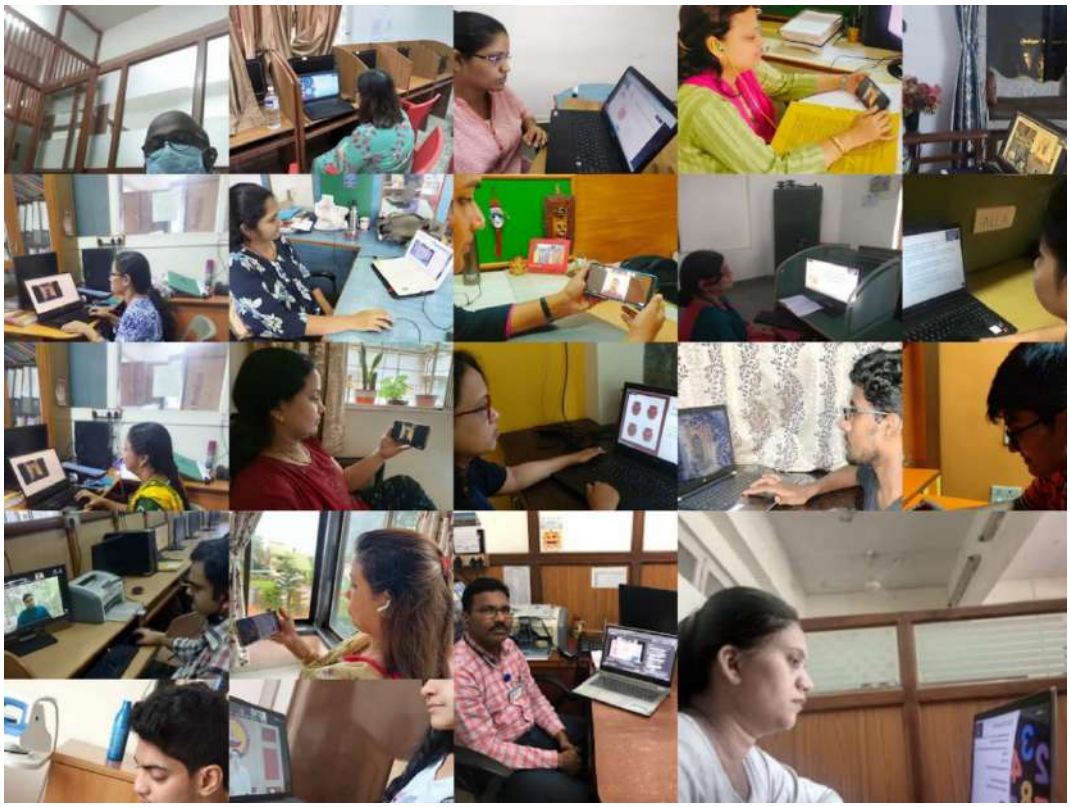
Towards the end of the session, he concluded by urging all students to ‘think out of the box’, follow the news and other media to be up to date with the current events and to be a part of a professional organization. He explained in depth the concept of intellectual property (IP) and how it differs from real world property, the latter being tangible. He has explained how patents are more important than published papers in the overall career assessment process. He explained the different types of intellectual properties He spoke about world intellectual property organization. He spoke about trademarks of different companies. He has also discussed how we can go for copyright, trademarks, patent and design with car and mobile examples. He stated that engineering education doesn’t just end when any student graduates with a first-class bachelor’s degree; but instead, the lessons of life just begin after that. Lastly, he signed off by motivating the students by speaking of his own successes and failures encountered in his professional life and how he was able to overcome them. Vision, patience, hard-work, dedication and honesty were attributed by him as the five major pillars of any engineering graduate. He has clearly explained the relationship between creativity, invention and innovation and also discussed how to apply electronics design, mechanical design patent forum. His informal and friendly interactions were very well appreciated by all the students.



MIC driven Activity on Out Of The Box Thinking For Problem Solving

Event Name : Session on Out of the Box Thinking for Problem Solving
Date : 28th June, 2022
Platform : YouTube Live

The Ministry of Education Innovation Cell (MIC) organized a session on Out of the box thinking for problem solving on 28th June, 2022. The main objective of this session was to inform about the new course launched by IIT Madras which will help in building entrepreneurial thinking and intelligent problem solving.



An audience of many people comprising of students from various colleges, including students and faculty from our college as well attended the session. The mode of conduct for the session was YouTube Live.

The speaker for the session were Professor V Kamakoti, Director of IIT Madras. Prof. V Kamakoti received his PhD and MS degree in computer science from IIT Madras. He heads the microprocessor development and information security education and awareness program at IIT Madras. He is the recipient of many awards.

Prof V Kamakoti began addressing the audience, about the course "Out of the Box Thinking through Mathematics", new initiative which has been launched by IIT Madras, aiming to make individuals think differently and cultivate themselves to think differently so that they can have a good entrepreneurship career. He began the presentation with a Apple-Knife-Stone theory explaining how it correlates to problem solving. He further went on to explain what it means to think differently or unconventionally with the help of few examples.

Further in the session, Prof. Kamakoti gave a brief introduction about the course, explaining why it is built around mathematics. Then he spoke about the target audiences for this course, depending upon each level ranging from 1 to 4 beginning from school class standard 5 for the first level, specifying that there is no upper age limit for this any levels of the course and individuals ranging from students to professionals/researchers can benefit from it, completing the course on their own pace as it is completely online. He even put a light on a few topics which will be covered in each level of the course, such as Level 1 will comprise of puzzle maths, Level 2: Story theories, Level 3: Number Builder and Level 4: Graphman, Chasing ratio. The entire structure of course is made up of recorded lectures along with periodic assignments, evaluation and assessment.

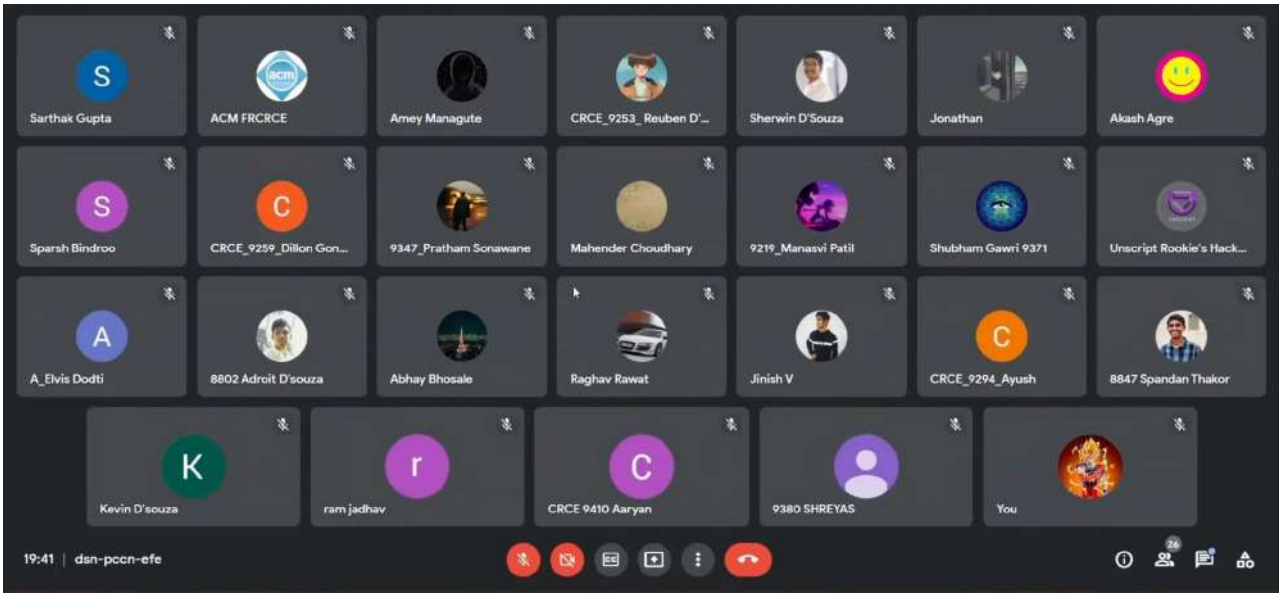
Moving ahead Prof. Kamakoti discussed of some of the benefits from this course. Levels 1 and 2 will commence from July 2022 and levels 3 and 4 from January 2023, this same cycle will be repeated every year. In order to receive a graded certificate for this course students will have to appear for a proctored exam at the center and a grade certificate will be issued depending on the performance from IITM Pravartak Technologies Foundations.

Towards the end of the session, Prof. V Kamakoti was open to any questions posted from the audience. On a concluding note, the MIC thanked Prof. V Kamakoti for the initiative and addressing the audience to think differently while solving problems.

Session on Angel Investment/VC Funding Opportunity for Early Stage Entrepreneurs

Event Name : Session on Angel Investment/VC Funding Opportunity for Early Stage Entrepreneurs
Date : 28th July 2022
Platform : Google Meet

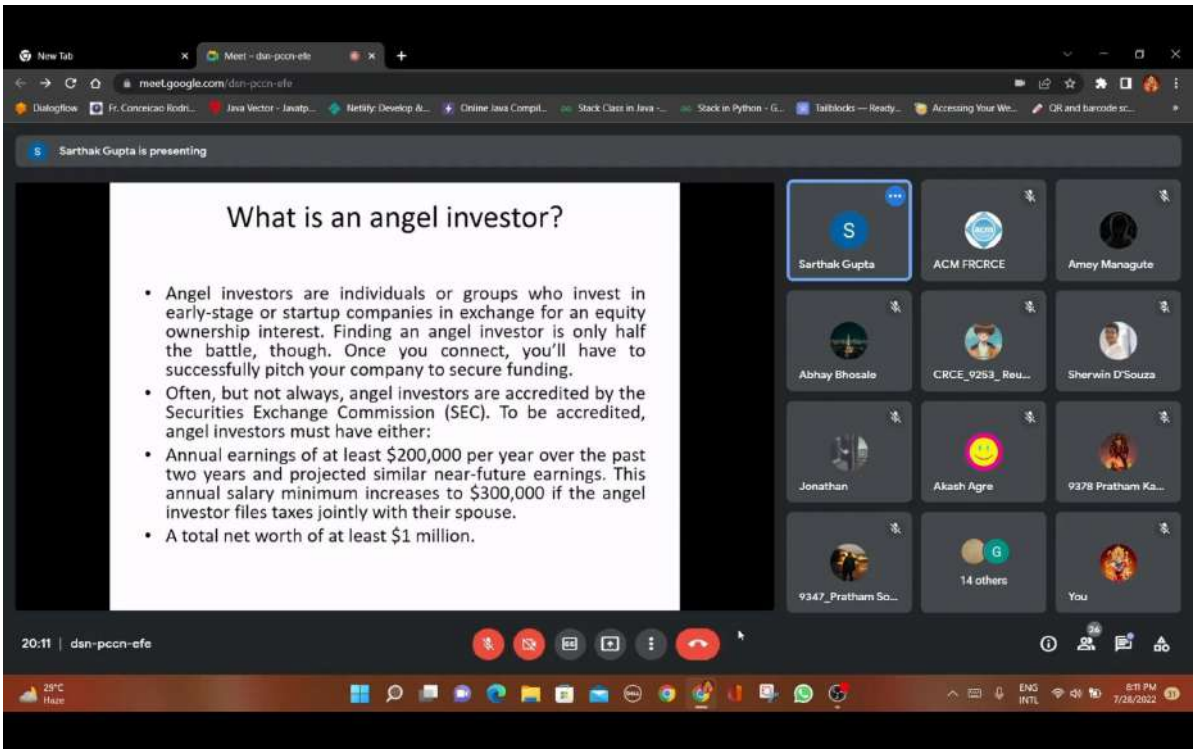
The Association of Computing Machinery (ACM) Fr. CRCE organised a seminar on Internship - Funding Opportunities for Entrepreneurs on 28th February 2022, from 7:30 pm to 8:30 pm on Google Meet for students of Fr. CRCE. The objective of the event was to let the participants get to know exactly how internship funding and entrepreneurship work in the field. Our speaker spoke about how he has gone about that same process in his own field of work and shared how we can do the same.



The mode of delivery of the session was Google Meet and a total of 35 participants attended the session.

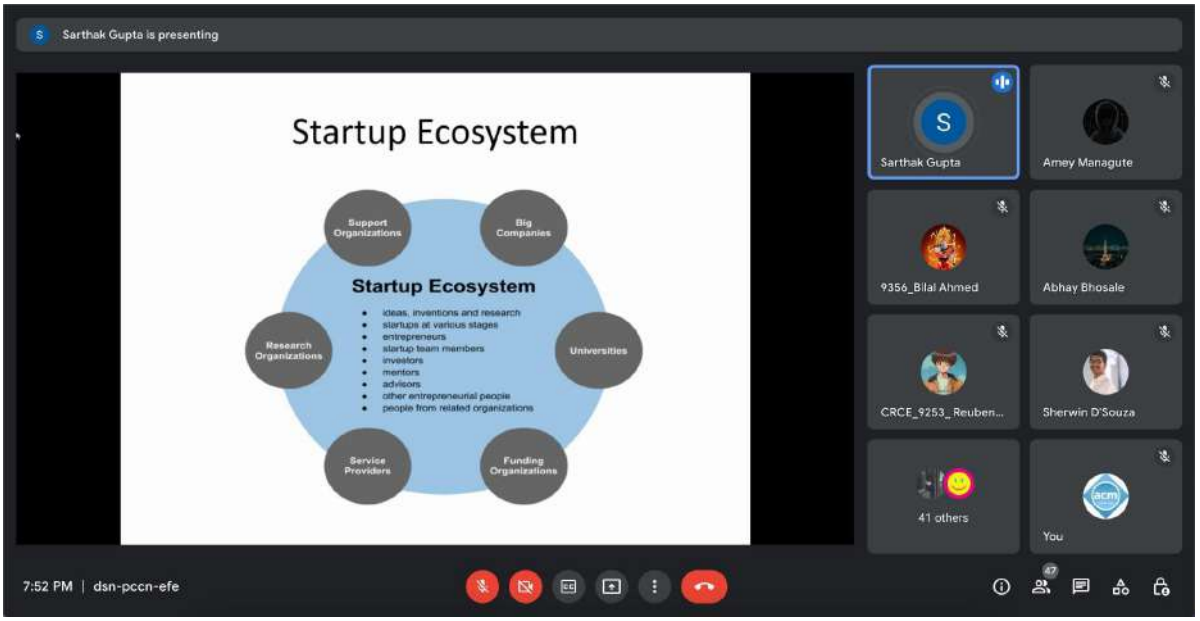
Dr Bhaskar Gupta(speaker)

The speaker of the session was Dr Bhaskar Gupta. Dr Gupta is presently working as a President of IIC Cell & trained as an innovation ambassador by the Ministry of Education innovation cell. His works, other than basic teaching, include publishing & presenting several papers in national/international journals, guiding M. Tech projects, and working on various state & central govt. sponsored projects and traveled around the USA, South Korea, Oman, Afghanistan, Dubai and Ethiopia on academic cum research missions in association with the world's renowned universities.

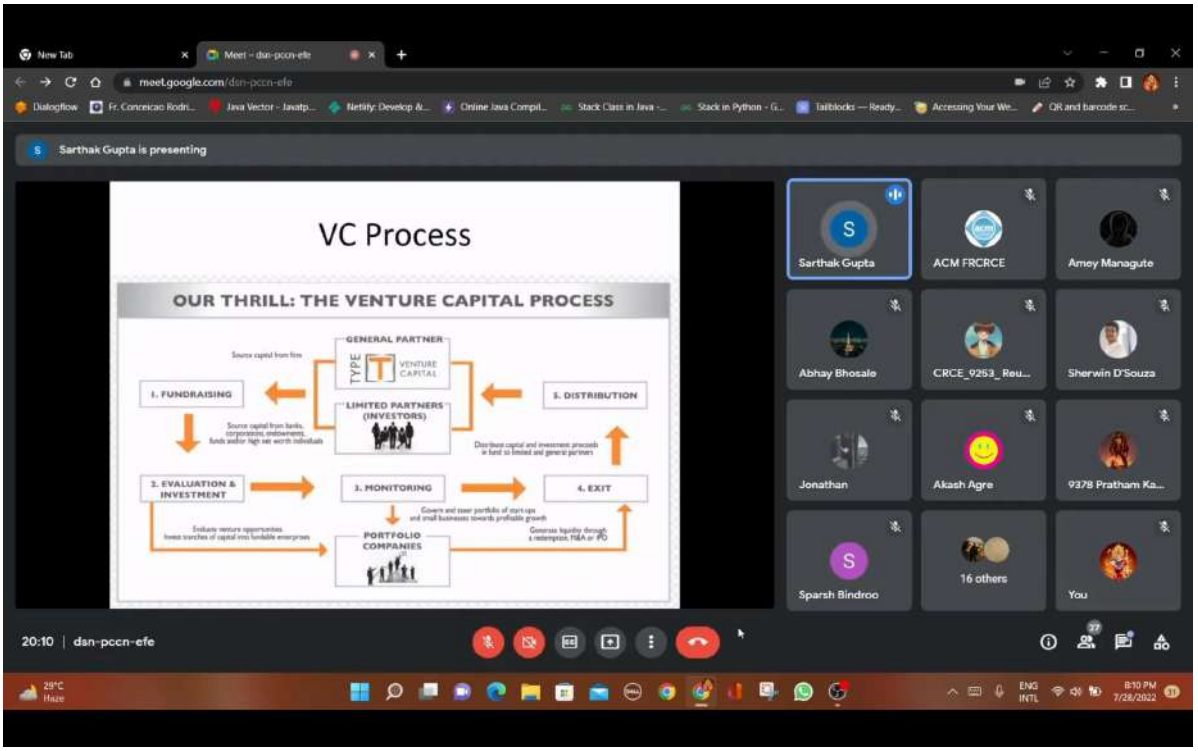


The session began with our junior council member Abhay Bhosale giving a brief introduction of the speaker. Dr Gupta started the session with a simple explanation of why one should pursue the path of becoming an entrepreneur. Then he described the need for entrepreneurs and how we as students can develop ourselves towards that goal.

Dr Gupta next went ahead and explained what an Angel Investor is, what is the process and the buildup to approach such an investor and the types of angel investors in the market. Simultaneously he also explained who venture capitalists are and how their differences come about against angel investors. Next, he went about what the Funding process is and how to build a profile (including Idea generation, start-up, Ramp up, Exit, etc).



The outcome of the seminar was that all the participants were introduced to various online resources related to entrepreneurship, to kick-start and have their doubts regarding the same addressed thoroughly. The session was ended by our junior council member Amey Managute by proposing a vote of thanks to Dr Gupta for taking out time and providing students with valuable guidance. We received positive feedback from all the participants. They were glad to get the much-needed guidance in the field of Entrepreneurship. The active participation from the speaker as well as all the participants made this event a grand success!



A few questions asked by the audience were as follows:

- What are the exact steps which have to be followed by an entrepreneur?
- What are the disadvantages of being part of an angel investor?
- How do you raise and manage Angel investors?
- Can you explain the concept of Incubators?
- (After the explanation of a personal plan) This is the plan I have for now, would this work?

REPORT: IIC REGIONAL MEET

DATE: 08/01/2019

To make the IIC network more vibrant, proactive, collaborative and productive, the Ministry of Education's Innovation Cell and AICTE had organised 15 IIC regional meets in different cities across the country to bring existing and prospective IIC institutions together, to provide a platform for sharing I&E knowledge and best practices in HEIs, to celebrate the achievements and impact created by IIC Institutions and to witness successful emergence of innovators and startup founders from HEIs.

In this regard, Fr. Conceicao Rodrigues College of Engineering Institute Innovation Council participated in the IIC WRO Regional Meet held at Symbiosis International University ,Pune on 1st August 2022.

IIC-FrCRCE also participated in the **IIC Poster Gallery** round held during the regional meet. This was a demonstration platform for participating IIC institutions to showcase institutions' innovation and entrepreneurship ecosystem preparedness, models/best practices, contributions, recent achievements and impacts made in the last 2 academic years 2020-21, 2021-22.

Faculty Participated in event are:

Dr. Surendra Rathod – ARIIA Track
Dr. V. S. Jorapur – IPR Track
Prof. Kranti Wagle – IIC Track
Prof. Swati Ringe – NISP Track

Prof. Swati Ringe Presented Innovation and Startup Policy of Fr.CRCE in NISP Track in the afternoon session and was also felicitated for the same.

IIC Regional Meet 2022,with Dr. Abhay Jere ,Chief Innovation Officer, Ministry of Education, Government of India.

Dr. Surendar Singh Rathod(Principal–Fr.CRCE), Prof. Kranti K. Wagle (President-IIC-FrCRCE), Prof. Swati Ringe (NISP Coordinator IIC-Fr.CRCE) and Prof V.S Jorapur (Startup-In charge IIC-Fr.CRCE)

Prof. Swati Ringe, NISP Co-ordinator, Fr.CRCE was felicitated with appreciation Certificate for the NISP Presentation

Certificate of Appreciation

IEEE – CRCE with IIC - CRCE organized a seminar on Incubation - Opportunities for Students & Faculties – Early Stage Entrepreneurs

Seminar Name: Incubation – Opportunities for Student & Faculties – Early Stage Entrepreneurs
Date **:** 05th August 2022
Platform **:** Samvaad Hall

Institute of Electrical and Engineers (IEEE) and Institution Innovation Council (IIC), FR. C.R.C.E. organized a webinar on Incubation - Opportunities for Students & Faculties – Early Stage Entrepreneurs on 05th August 2022 from 09:30 am to 11:00 am. The objective of the seminar was to elaborate about the Incubator and how the Incubator works also to promote the entrepreneurship and innovation. Our speaker for the seminar were Mr. Prasad Menon.

A total of 185 participants attended the Seminar. The mode of session delivery was Face to Face mode at Samvaad Hall.

Mr. Prasad Menon (speaker)

Our speaker for the seminar were Mr. Prasad Menon. Mr. Prasad Menon is Vice – President of Indian STEP and Business Incubators Association (ISBA). For more than two decades, Prasad worked across 3 different continents in FMCG, Retail & Technology with industry leaders like PerfettiVanMelle, Liz Claiborne, Nokia & Reliance Brands. Mr. Prasad's passion for education and innovation made him give up a successful 20+ years of corporate life to start his own independent story as educator, mentor, coach and consultant. As one of the Associate Partners of Better Future, Mr. Prasad has facilitated Leadership Journeys for Indian and European organizations. Mr. Prasad is currently the CEO of Centre for Incubation and Business Acceleration (CIBA) in Mumbai where he is leading the Technology Business Incubator initiative of DST (Department of Science & Technology) to promote entrepreneurship and innovation. Currently Mr. Prasad is incubating about 20 tech startups in CIBA's Navi Mumbai centre. Mr. Prasad is a mentor and adviser to several startups and young professionals and has conducted several Entrepreneurship Awareness Trainings and Idea Validation Workshops for aspiring entrepreneurs.

The timing for the webinar was 09:30 am where we started webinar at 09:40 am as starting 10 minutes were given a buffer time to settle down the participants. Our host of the webinar were Vice – Chairperson of IEEE Robin Thomas started the session by Welcoming to our speaker and all the participants. Our host introduced our speaker to all the participants.

Our speaker started the session by introducing himself and the motive of the Incubator also the general process of the Incubator relating with the ideology of the company. Aim of the session was to elaborate the "What is Incubator?" and "How it will help to launch the product/service?" also to promote entrepreneurship and innovations. Speaker mentioned the equivalent steps to build the product/service by real life examples.

Our speaker explained the qualities for entrepreneur like problem solving, modest, etc. He also mentioned that by making new projects and completing and debugging the projects will gain the above qualities. Our speaker explained the product or service should me major problem solving. The product or service could be different or modified version of the current one. He explained this topic by various real scenarios like Ola application. How the Ola changed the entire market by consuming the most percentage of the market. He also mentioned various problems with their solutions but likely noticeable.

One of the participants asked a query related to finance, our speaker humbly replied his query through his past experience that the idea behind the project should be unique in the market. The product should be fully completed and also there should be least number of errors or faults. The product also should be cost effective for the manufactures which means there should satisfy amount of gross margin. Founder of any company should be clear while making a product. While expanding the company, the founder should have an investor on the desk of the company. This makes easy for the company to grow as the company will have amount for the other purposes. He also concluded this question by that you should be always clear while making a project, the investor will invest in the product.

A participant asked a question about the patent and certifications of the product or project. Mr. Prasad Menon replied him by mentioning about some certifications related to the healthcare. He also mentioned that the certifications vary upon the domain of the product and in some domain the certifications are negligible but some domain it is required like medicals and healthcare. He mentioned that certifications and patent of product are the second step to ensure the product is fit and fine for the market. For certification, the product should properly work in different criteria's and in environment conditions because the product goes through multiple tests and various process of experiments.

And for patent, it is easiest thing for the product as it can be done easily and the cost for the patent varies on requirement duration.

A participant asked a query that should we make a product which is trending and has more requirement. Our speaker replied that we should not build any application or product based on trending items because the trend changes as the time changes.
Even if you build any application or product which makes a new trend then you should try more effective and updating the product or application for more attachment with the user. If there is trending application and you decided to make an application like that then it includes more uniqueness and creativity. The motive should be same but there should be some differences like GUI, features, etc. He mentioned that the copyright is big thing in all this field. It should be avoided or else it will damage the company or application name.

At last, speaker displayed a video where it shows the environment of the Incubator and the work life-style of the Incubator. Other entrepreneurs shared their reviews while developing the product/service to make a better product out of it.

Our host Vice – Chairperson of IEEE Robin Thomas concluded the seminar by appreciating and Thanking to our speaker Mr. Prasad Menon and the participants present in the webinar The outcome of the event was to get a better idea of the Incubator company like How the company is benefitting the entrepreneur's and to motivate participants to make innovations to solve the problems into smaller steps. The seminar was a success where the all participants were got cleared and got better vision to build a product/service and better implementation ideas for the project or product.

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

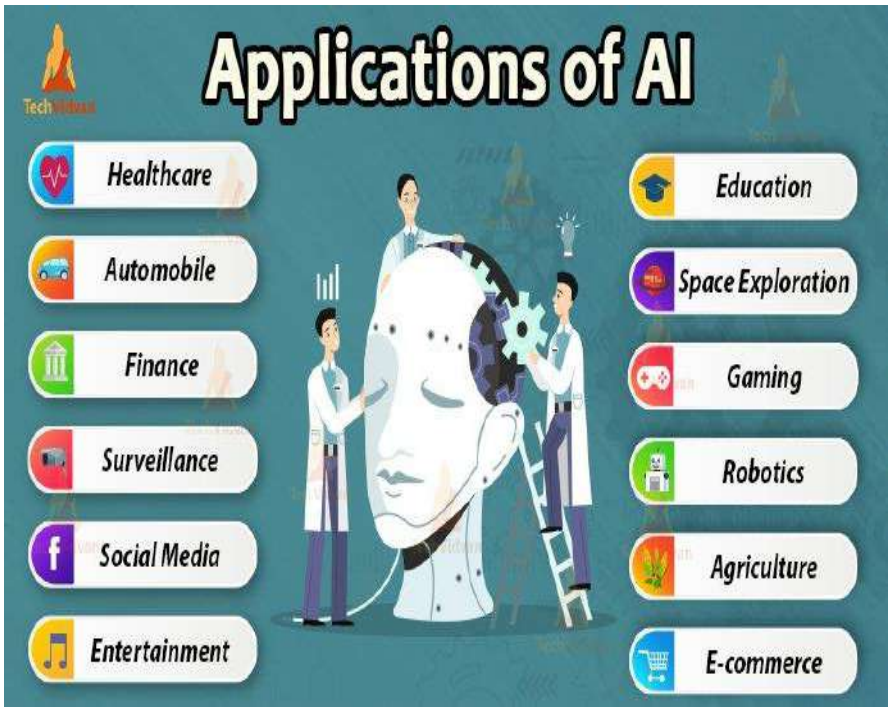
IIC-CRCE organized

Event Name : Ideation- Artificial Intelligence
Date : 27/08/2022
Platform : Google Meet
Speaker : Prof. Ashwini Pansare
Total Participants:48

IIC-CRCE organized a seminar on **Ideation- Artificial Intelligence** on 27th August 2022. The objective of the event was to create awareness among students about applications of Artificial intelligence in various domains such as healthcare, agriculture, social media, Ecommerce etc. challenges and issues in application of AI in these domains and motivate them to think about problems/case studies in these domains where AI isn't applied successfully or needs improvement in precision and accuracy.

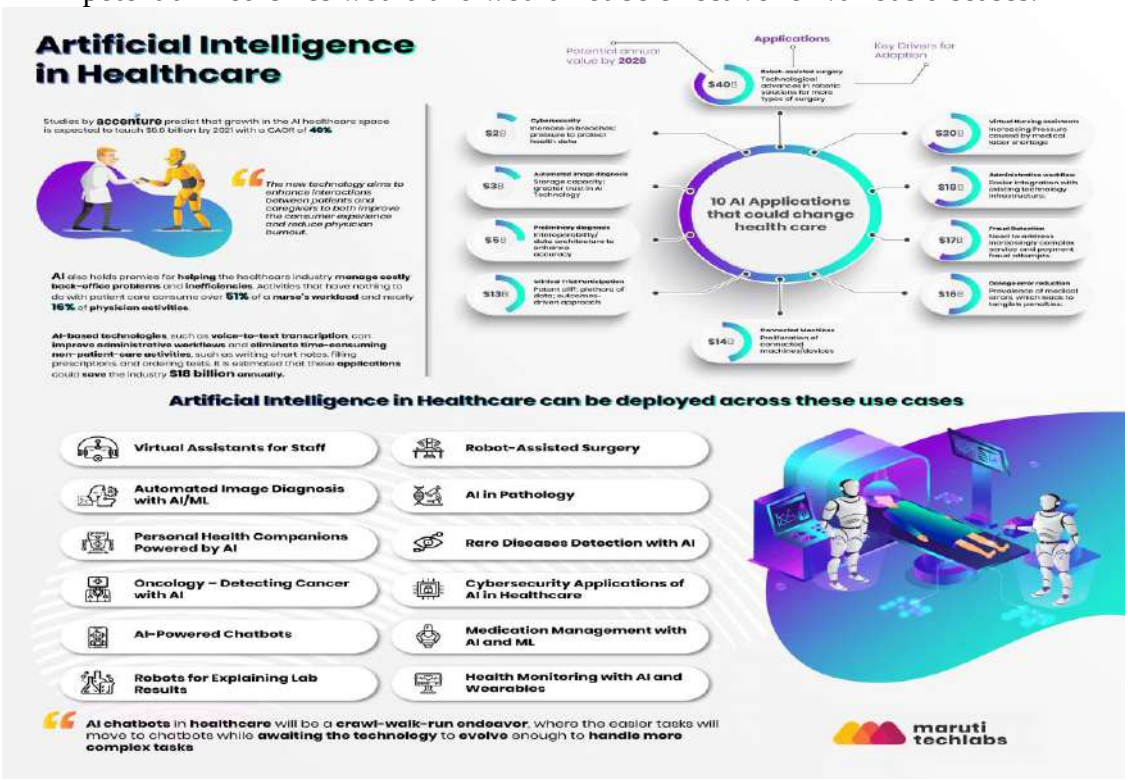
The session highlighted some cases studies of each domain where AI is being used. This session motivated students to think how they can use AI techniques in real life scenarios to select problem statements for their Mini /major projects. The session highlighted on Importance of AI in today's world. How it is making our lives easier by reducing the human effort as much as possible, how these technologies are helping to speed up human tasks and processes along with a guaranteed level of precision and accuracy. The session was attended by 48 students form SE and TE Computer Engineering, AI & DS and ECS students.

At the beginning of the session speaker explained what Artificial Intelligence is, what is its history and then elaborated about different domains where AI has been applied so far along with many case studies of each domain along with challenges and issues.

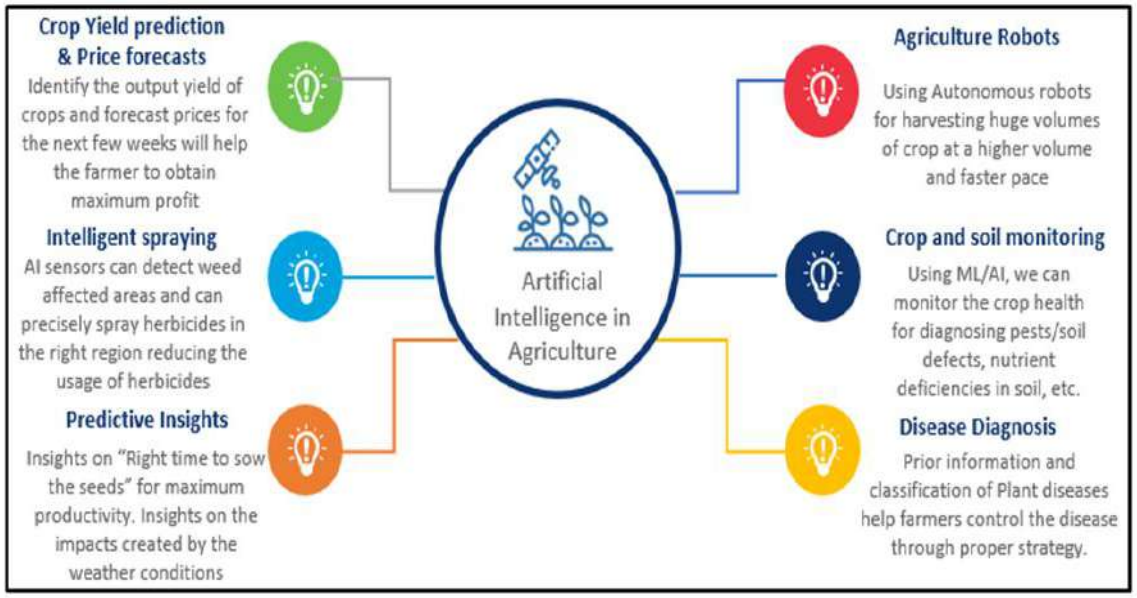


Speaker discussed about Applications of AI in below mentioned domains

- **AI in Health care** by giving following examples:
    1. AI-based wearable health trackers- Fitbit, apple watch
    2. AI-based virtual nurses- sensely
    3. Robot assisted Surgery- Da Vinci
    4. medical imaging analysis- Ct scan, MRI scans
    5. Development of new drugs and vaccines
    6. Use of Supercomputers: to predict from databases of molecular structures, which potential medicines would and would not be effective for various diseases.



- **AI in Agriculture**



- ***AI in E-Commerce***
    1. **Personalised recommendation**

    based on browsing history, preference, and interests.
    2. **AI-powered Assistants**

    virtual shopping assistance and chatbots
    3. **Fraud Detection**

    credit card frauds and fake reviews
    4. **Search optimisation** optimising search results based on thousands of parameters to ensure that users find the exact product that they are looking for
    5. **Supply-chain management :** AI is being used to predict demand for different products in different timeframes so that they can manage their stocks to meet the demand.

- **Automobiles**
    1. Self driving cars /autonomous vehicles to improve the in-vehicle experience
    2. To provide additional systems like emergency braking, blind-spot monitoring, and driver-assist steering.
- **Banking and Finance**

  AI bots, robotraders and fraud detection
- **Surveillance**

  real time monitoring of CCTV footage
- **Social Media**
    1. Identification of hate speeches/ terrorism activities
    2. Autotagging facility of facebook
    3. targeted advertising
    4. AI tools to write facebook post and Instagram ads
- **Entertainment**

  Netflix and Amazon prime recommendation of contents
- **Education**

  Question paper making and grading
- **Space exploration**

  unmanned space exploration like mars rover, autonomous space craft
- **Gaming**

  AlphaGO, IBM Watson, DeepBlue
- **Robotics**

Further, speaker elaborated on the difference between AI, Machine learning and deep learning in which people always get confuse and use these words interchangeably

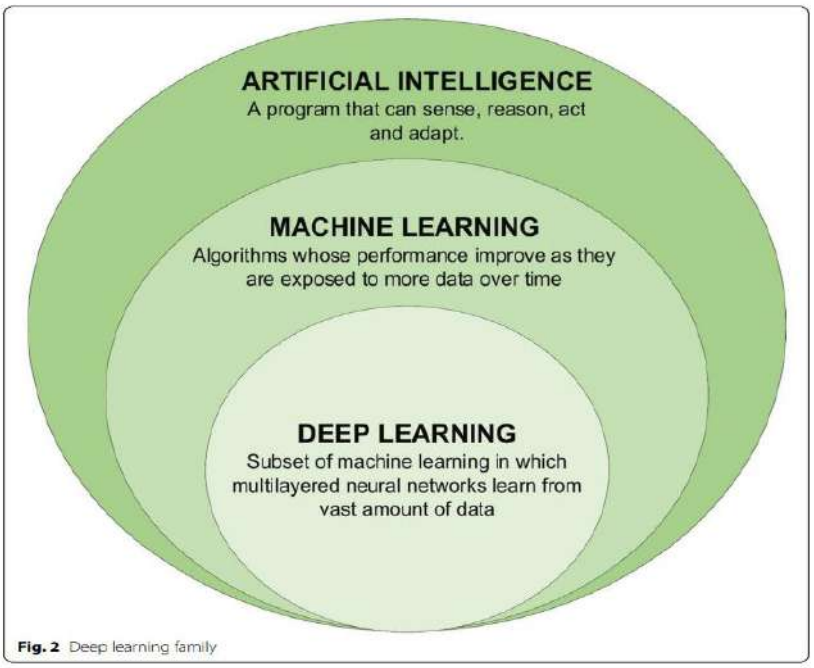
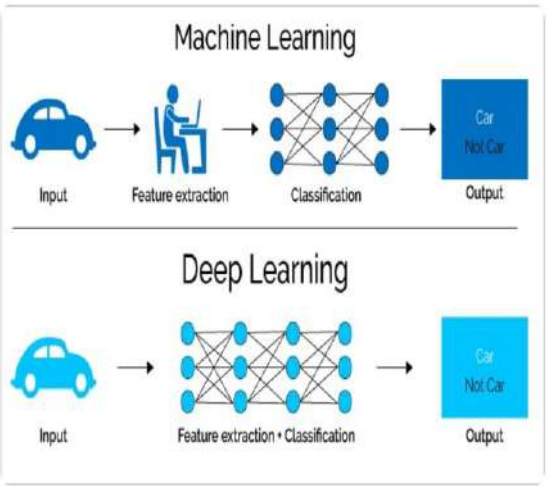
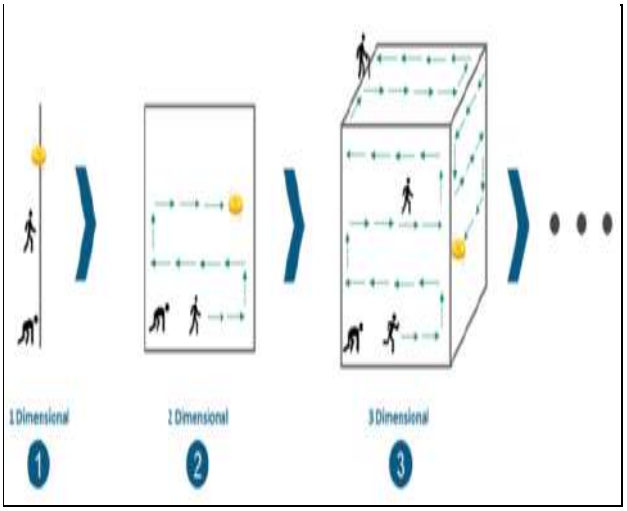


Fig. 2 Deep learning family

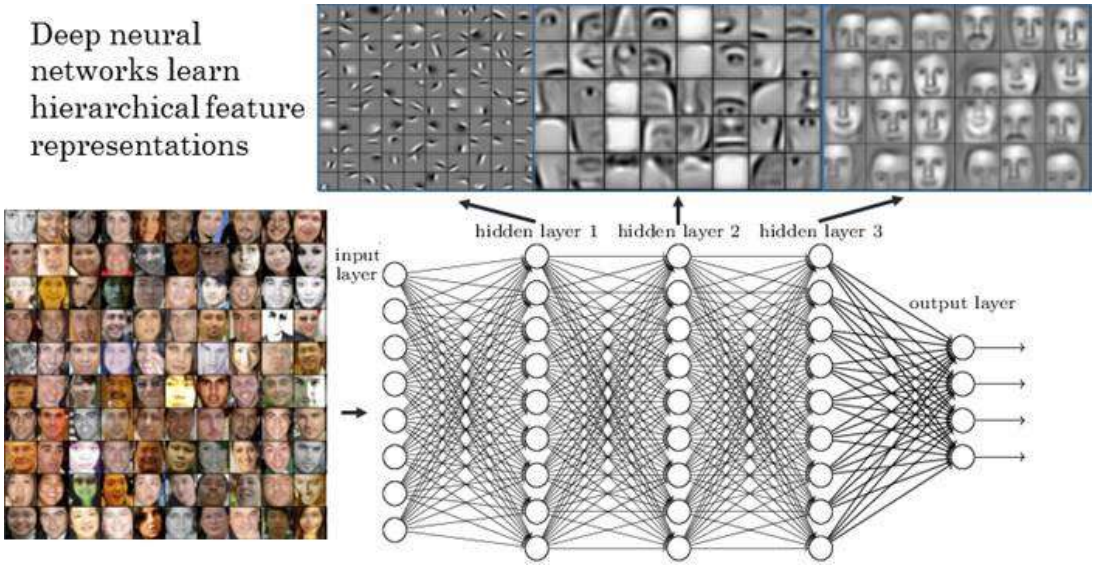
Discussion about What is machine learning, Types of machine learning, Types of problems, Machine learning algorithms, Process of using machine learning for projects, selection of appropriate algorithm depending on type of problem, limitations of machine learning were done in depth.





Limitation of ML: Need of Manual Feature Extraction and Curse of dimensionality

Speaker then elaborated on what is deep learning, how it overcomes limitations of ML, types of deep learning architectures, selection of appropriate architecture depending on problem type.



Use of deep learning for face recognition

Outcome of the Session

Students learnt applications of AI, ML and DL for real world problems, how these techniques and the suitable algorithm should be used to make intelligent systems. The students learnt about difference between AI, ML and DL types of problem, types of algorithm, process of applying machine/ deep learning algorithms. This knowledge will help them to identify type of problem, take decision about whether ML or DL should be applied. select suitable algorithm of ML or architecture of DL. The students were motivated to think out of box and select problem statement where AI can be applied innovatively. They were encouraged to choose these innovative problem statements as their mini/major project. Overall, it was a fruitful session which was appreciated by students as the session gave them a quick start for their journey in AI domain.

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IIC-FrCRCE

Pitching Event for Ideas Scouted & linkage with Innovation Ambassadors for mentorship support

DATE: 09/10/2021

Name of the event:**Pitching Event for Ideas Scouted & linkage with Innovation Ambassadors for mentorship support.**

Date of the event: **9th October 2021**

Platform of the event: **Google Meet**

Sponsoring organisation: **E-cell and Institute Innovation Council (IIC)**

No. teams of participated: **23**

ECELL-CRCE conducted the Idea Competition in collaboration with **IIC-FR CRCE**. Idea Competition is a platform for students to present their innovative ideas and proposed solutions giving them a spirit and inspiration to start their entrepreneurial journey. A team of 3 to 4 members in front of a panel of judges presented their ideas followed by a question and answer session. Each team was allotted 15 minutes for their presentations. Ideas are shortlisted for final presentation on the basis of novelty, technologies used, technical and financial feasibility and market survey.

This year the event was conducted online wherein 23 teams participated out of which 11 teams made it to the 2nd phase of the idea competition. Professors from FRCRCE served as the judges for the competition for both the phases.

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IIC-FrCRCE

All teams came up with innovative ideas. The team with maximum points will be declared as the winner of the competition.

Themes for this year were:

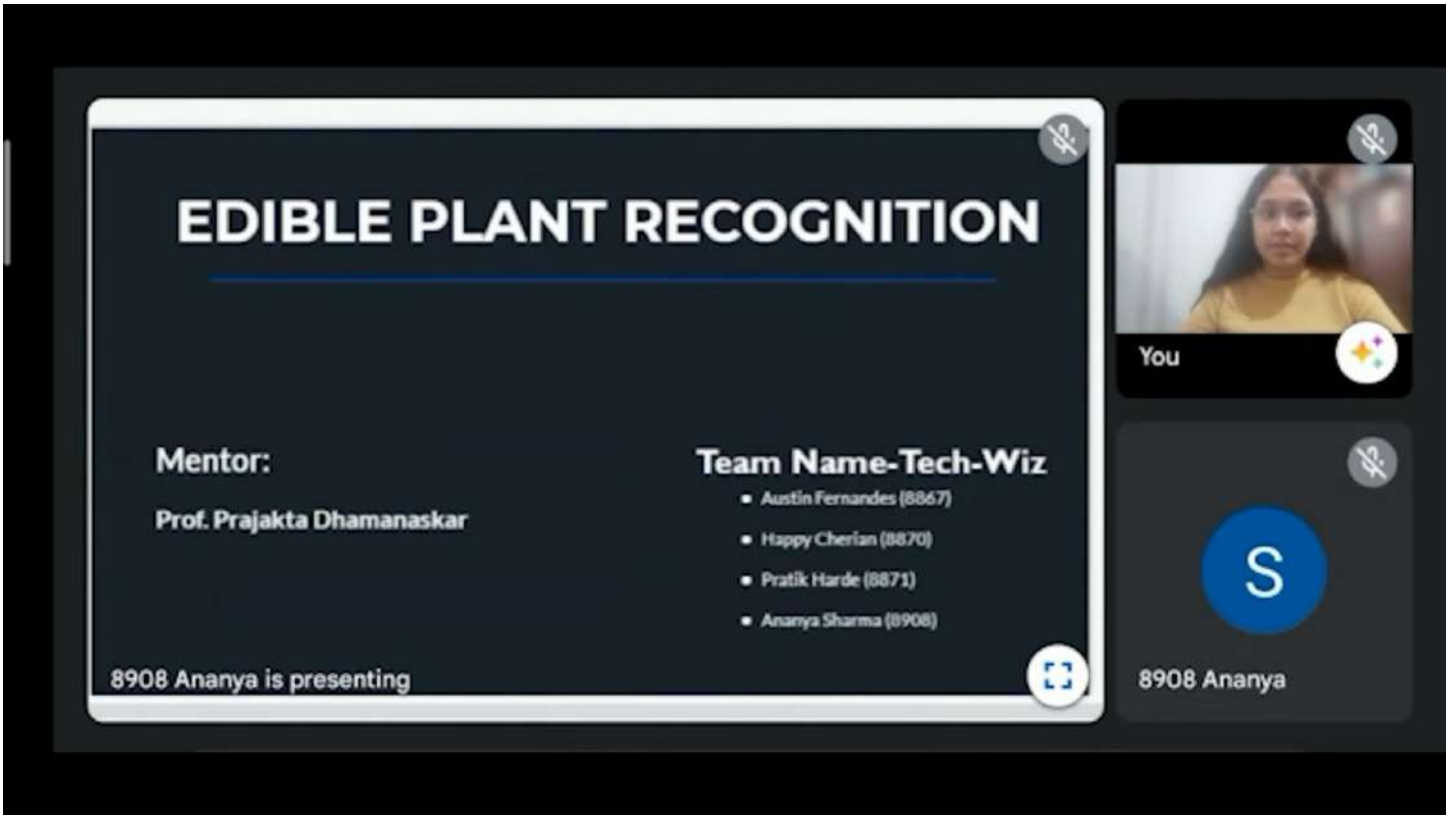
1. Healthcare & Biomedical devices
2. Agriculture & Rural Development
3. Smart Vehicles/ Electric Vehicle/ Electric vehicle motor and battery technology
4. Food Processing
5. Robotics and Drones
6. Waste Management
7. Clean & Potable Water
8. Renewable and affordable Energy
9. IoT based technologies (e.g. Security & Surveillance systems etc)
10. ICT, cyber physical systems, Blockchain, Cognitive computing, Cloud computing, AI & ML
11. Other emerging areas of innovation and Startup opportunity

Winners of the competition will be awarded with cash prizes and all the participants will receive a Participation Certificate. Overall the event was a great success.

Prof. Prajakta Bhangale
(Teacher incharge)

Yash Deshmukh
(General Secretary)

Some snapshots from the session:


EDIBLE PLANT RECOGNITION
Mentor:
Prof. Prajakta Dhamanaskar
Team Name-Tech-Wiz
Austin Fernandes (8867)
Happy Cherian (8870)
Pratik Harde (8871)
Ananya Sharma (8908)
8908 Ananya is presenting
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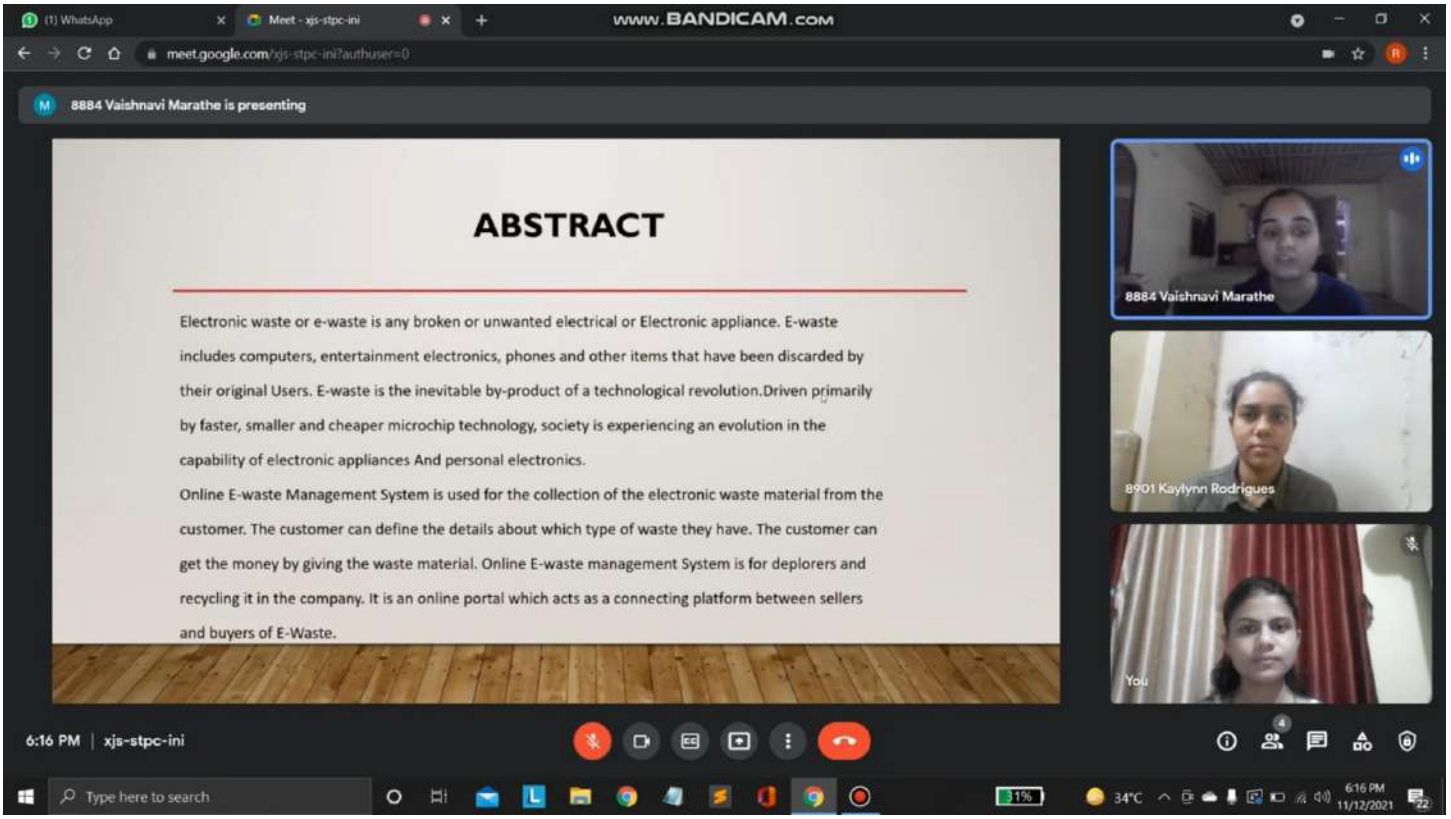
www.BANDICAM.com
meet.google.com/xjs-stpc-ini?authuser=0
8884 Vaishnavi Marathe is presenting
ABSTRACT
Electronic waste or e-waste is any broken or unwanted electrical or Electronic appliance. E-waste includes computers, entertainment electronics, phones and other items that have been discarded by their original Users. E-waste is the inevitable by-product of a technological revolution.Driven primarily by faster, smaller and cheaper microchip technology, society is experiencing an evolution in the capability of electronic appliances And personal electronics.
Online E-waste Management System is used for the collection of the electronic waste material from the customer. The customer can define the details about which type of waste they have. The customer can get the money by giving the waste material. Online E-waste management System is for deplorers and recycling it in the company. It is an online portal which acts as a connecting platform between sellers and buyers of E-Waste.
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11/12/2021

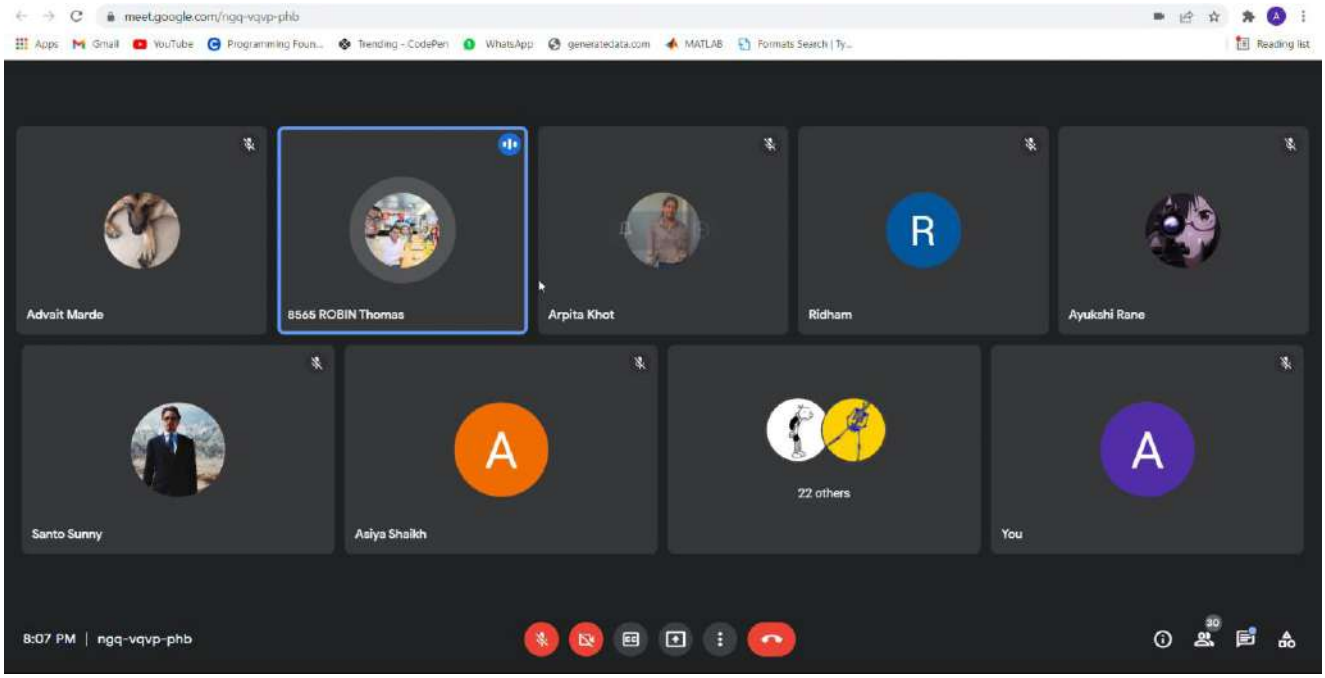
AED aka SHOCK MACHINE, the one they show in the movies.

AED system includes an AED device and accessories, such as a battery, pad electrodes, and if applicable, an adapter.

IEEE - CRCE organized a webinar on Successful Startup Founders

Webinar Name: Successful Startup Founders
Date **:** 11th March 2022
Platform **:** Google Meet

Institute of Electrical and Engineers (IEEE) and Women in Engineering (WIE), FR. C.R.C.E. organized a webinar on Successful Startup Founders on 11th March 2022 from 08:00 pm to 08:45 pm. The objective of the webinar was to present a road map of Mr. Mohammed Ahmed Bhati on startup and for the entrepreneur qualities. This webinar was more an QnA session or doubt session where participants asked their doubt's related to the startup project, ideas and finance. Our speaker for the webinar were Mr. Mohammed Ahmed Bhati.



A total of 40 participants attended the webinar. The mode of session delivery was Google Meet.

Mr. Mohammed Ahmed Bhati (speaker)

Our speaker for the webinar were Mr. Mohammed Ahmed Bhati. Mr. Mohammed Ahmed Bhati has completed his engineering his Fr. Conceicao Rodrigues College of Engineering. Our speaker has completed his internship In Indian Institute of Technology, Bombay. Mr. Mohammed Ahmed Bhati is currently Founder of Hridam Surgicals. Hridam Surgicals is a startup company who makes medical devices without compromising their accuracy.

The timing for the webinar was 08:00 pm where we started webinar at 08:10 pm as starting 10 minutes were given a buffer time to join all the participants. Our host of the webinar were Vice – Chairperson of IEEE Robin Thomas started the session by Welcoming to our speaker and all the participants. Our host introduced our speaker to all the participants.

Our speaker elaborated why he chose to startup a company, what drove it to be an entrepreneur, the challenges, problems and its solutions faced during that time. Mr. Mohammed Ahmed Bhati mentioned his college experience and the projects he completed during college years. He mentioned about his project "Panni Purri Vending Machine". He mentioned how he started the project, the research part and implementation idea, he also mentioned the economy crisis faced during the project completion. Our speaker mentioned the benefits for participating in the college clubs and council, college clubs helped him for a lot the projects.

Our speaker explained the qualities for entrepreneur like problem solving, modest, etc. He also mentioned that by making new projects and completing and debugging the projects will gain the above qualities.

One of the participants asked a query related to finance, our speaker humbly replied his query through his past experience that the idea behind the project should be unique in the market. The product should be fully completed and also there should be least number of errors or faults. The product also should be cost effective for the manufactures which means there should satisfy amount of gross margin. Founder of any company should be clear while making a product. While expanding the company, the founder should have an investor on the desk of the company. This makes easy for the company to grow as the company will have amount for the other purposes. He also concluded this question by that you should be always clear while making a project, the investor will invest in the product.

A participant asked a question about the patent and certifications of the product or project. Mr. Mohammed Ahmed Bhati replied him by mentioning about some certifications related to the healthcare. He also mentioned that the certifications vary upon the domain of the product and in some domain the certifications are negligible but some domain it is required like medicals and healthcare. He mentioned that certifications and patent of product are the second step to ensure the product is fit and fine for the market. For certification, the product should properly work in different criteria's and in environment conditions because the product goes through multiple tests and various process of experiments.And for patent, it is easiest thing for the product as it can be done easily and the cost for the patent varies on requirement duration.

A participant asked a query that should we make a product which is trending and has more requirement. Our speaker replied that we should not build any application or product based on trending items because the trend changes as the time changes.

Even if you build any application or product which makes a new trend then you should try more effective and updating the product or application for more attachment with the user. If there is trending application and you decided to make an application like that then it includes more uniqueness and creativity. The motive should be same but there should be some differences like GUI, features, etc. He mentioned that the copyright is big thing in all this field. It should be avoided or else it will damage the company or application name.

Another participant asked is it necessary to hire a co – founder. Mr. Mohammed Ahmed Bhati replied Yes. There should be co – founder for the company and eventually it will benefit the company. He elaborated that the product can be build and completed by a single person but sell the product in market is a different quality. He mentioned also that there are other things while selling a product like marketing, to build proper distribution chain. For building a proper and managing Standard Operating Procedure (SOP), a company should also have co – founder. As said, a single man can do only two work at a time. He mentioned other challenges like to find and hire a proper co – founder because both the founders should have clear idea and vision of the company. They both should have common goal and mutual understanding in between.

Our host Vice – Chairperson of IEEE Robin Thomas concluded the webinar by appreciating and Thanking to our speaker Mr. Mohammed Ahmed Bhati and the participants present in the webinar. The outcome of the webinar is to get proper idea, challenges, problems and its solution from an experienced person. The webinar was a success where the all participants were got cleared and got better vision to build an company and better implementation ideas for the project or product.

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CSI-CRCE organized a session on Cyber Security : Career and Business Opportunities

Event Name : Cyber Security : Career and Business Opportunities
Date : 3rd October, 2021
Platform : Microsoft Teams

The Computer Society of India(C.S.I.), FR. C.R.C.E. organized a session on Cyber Security : Career and Business Opportunities on 3rd October, 2021. The objective of the session was to expose the young minds to the entrepreneurship and startup ideas in Cyber Security domain.

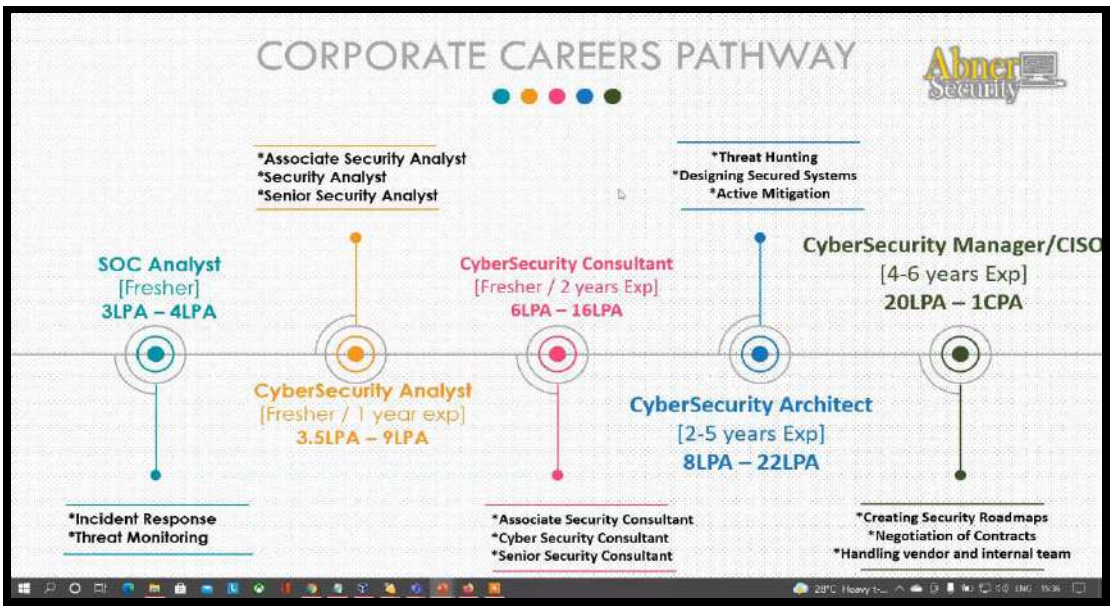
A total of 62 students from SE, TE and BE and 2 faculty members attended the meet. The mode of session delivery was Microsoft Teams.

Mr. Shuvamoy Roy (speaker)

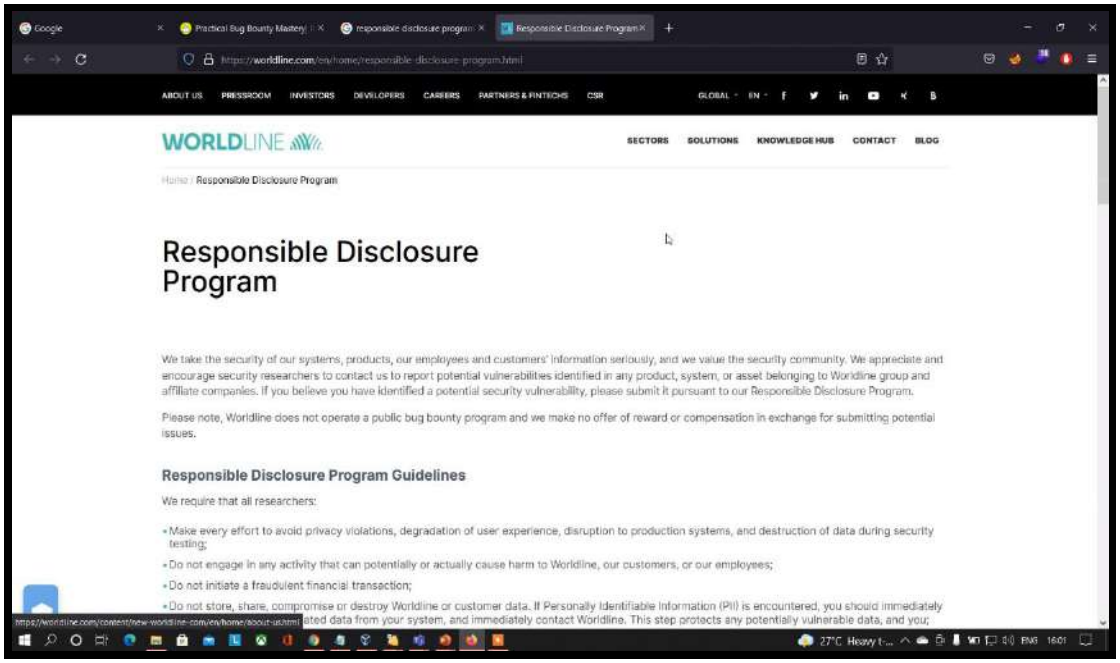
The speaker for the workshop was Mr. Shuvamoy Roy. Mr. Shuvamoy Roy is the founder & CEO of Abner Security. Abner Security is a company that has its roots into cyber security and also diversifies into different other sectors of the IT industry. Mr Roy has received his Network Security Specialist certificate from ICSI, UK. He is a Certified Network Security Specialist, Fortinet Network Security Associate and NSE2 Network Security Expert. He has achieved Hall of Fame in Microsoft and SONY, Best startup project of the year from TISL and ECELL ST. XAVIERS and has received various recommendation and appreciation letters from many other companies and IT services. Mr. Roy trains students, provides them with the world class training with real hands on over live websites along with cybersecurity solutions to other companies.

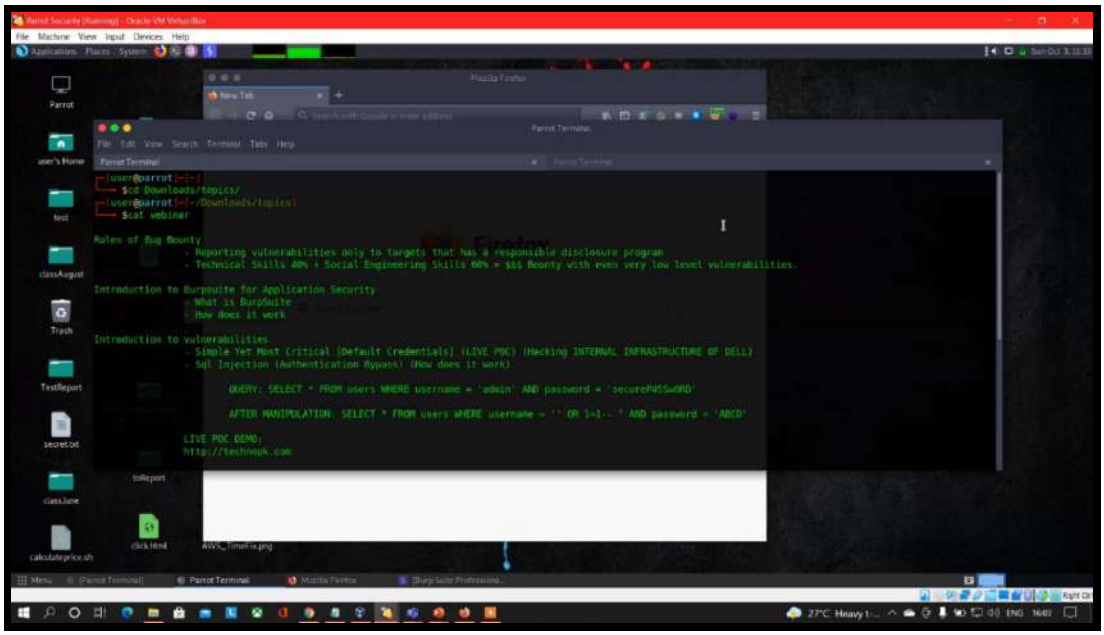
The workshop began with Mr. Shuvamoy Roy talking and explaining about how his company functions. The tasks his company is currently focusing on. He shared about the factors that motivated him to start working in the cyber security domain. The first half of the session included a detailed explanation about

- The startup and entrepreneurship ideas that are new and blooming in this field
- The skills that are necessary in an individual to start their own startups
- The business success ratio and opportunities present in this domain
- What is cyber security and hacking in reality
- How cyber security plays a major role in today's world
- The kind of jobs and experience one can get in Cyber Security
- How jobs are structured on the basis of one's experience and skills
- Job scopes in India for Cyber Security professionals
- How is cyber security reshaping the modern society
- What is Pentesting
- What is Bug Bounty Hunting
- The skills needed to become a professional in Bug Bounty Hunting Domain



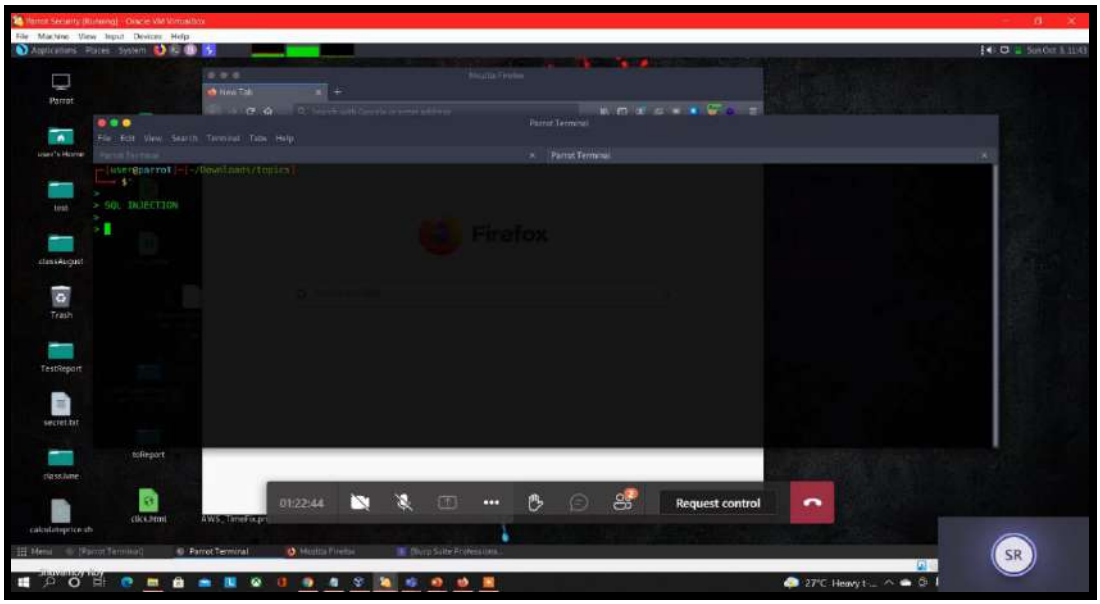
In the second half of the session Mr. Roy explained more about how real life Pentesting and Bug Bounty Hunting are done. The career and job opportunities that are present in Bug Bounty Hunting. He explained about what is meant by critical access in hacking and the ethical rules that should be followed in Bug Bounty Hunting. The speaker gave the audience a brief explanation about "Responsible Disclosure Program".



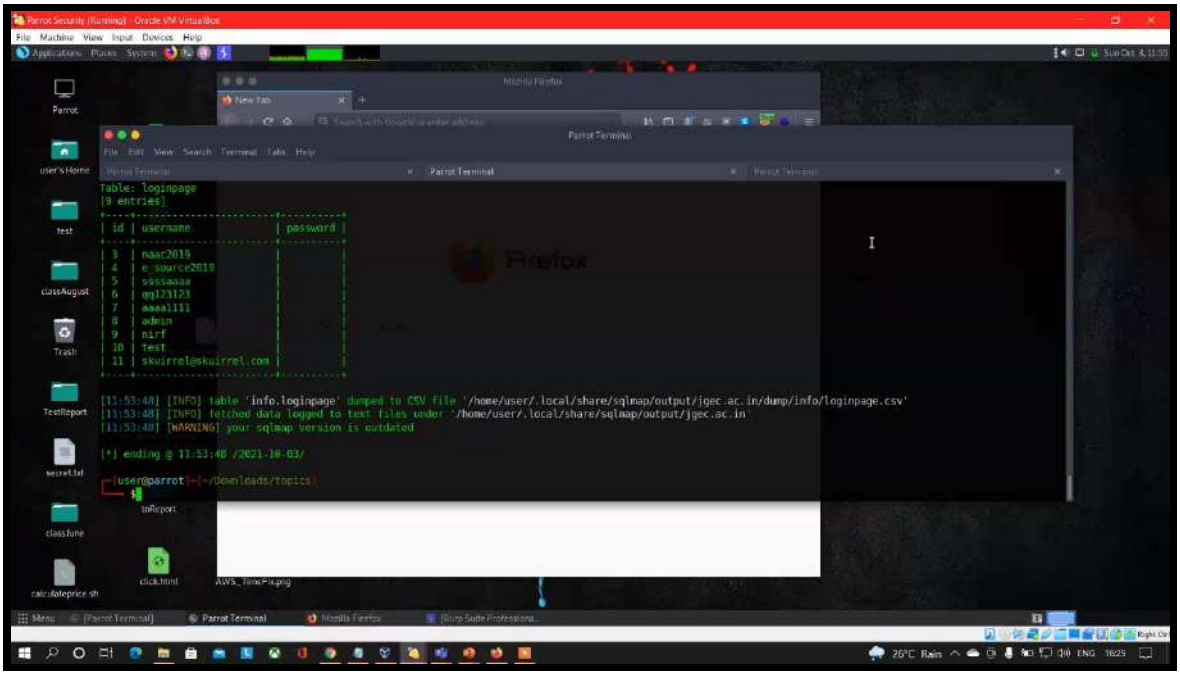


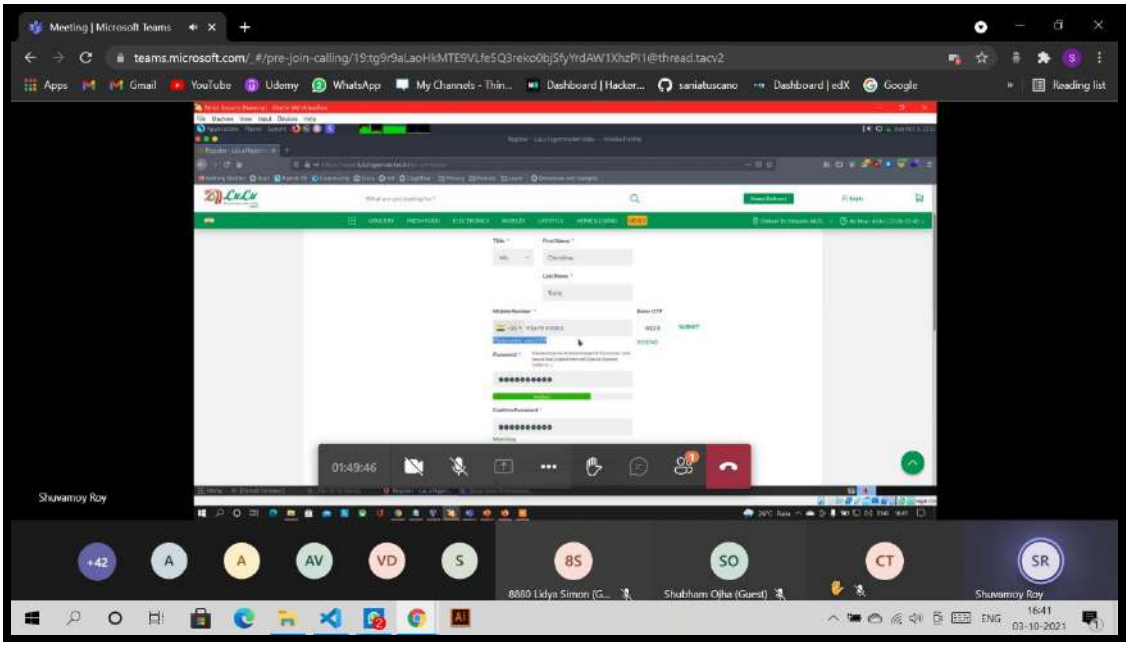
Later Mr. Roy explained in detail about

- The job opportunities that are present in Vulnerability Assessment
- What is SQL injection
- How does SQLmap work
- Burpsuite for Application Security and how it works
- What are vulnerabilities
- How vulnerabilities are discovered, checked and fixed in real life sites

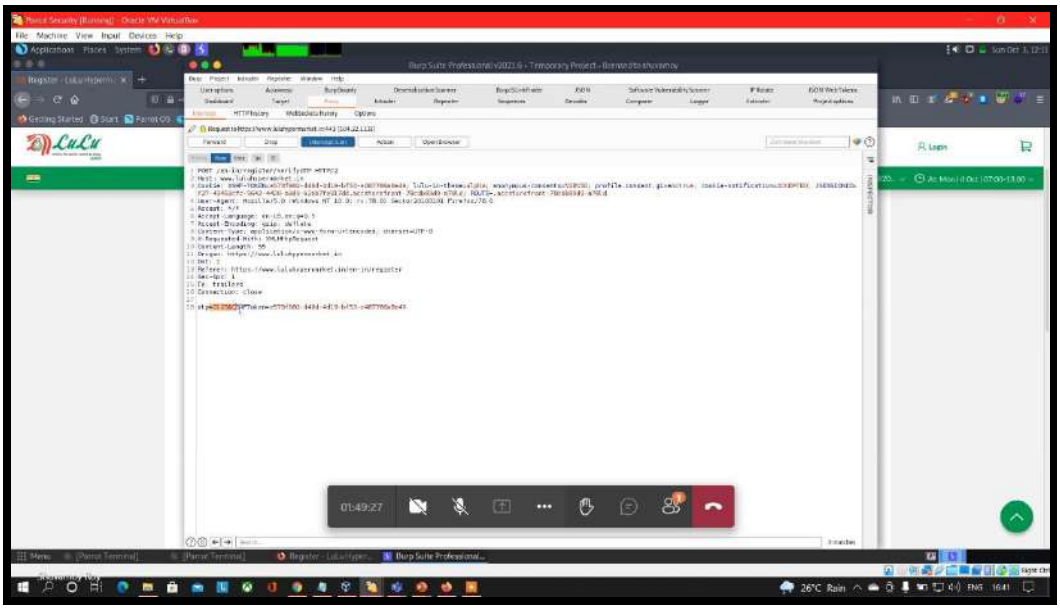


Mr. Roy used the online website of the "Jalpaiguri Government Engineering College" to explain how SQLmaps are used in penetration testing to detect and exploit SQL injection flaws. He used live examples to show how SQLmap automates the process of detecting and exploiting SQL injection, as well as how SQL Injection attacks can take control of databases that utilize SQL.





Towards the end of the workshop the speaker explained about 2 factor authentication through the online supermarket login verification example. While explaining this example the speaker took the help of the attendee for better understanding. He explained the other vulnerabilities that are found in real life sites. The speaker gave many other web application examples. He briefly explained how each of these skills play a major role in shaping one's career and creating more future startup and entrepreneurship opportunities for them.



The outcome of the workshop was that all the students learned a lot about the startups and business opportuinites in cyber security and hacking domain. The session helped the students understand the skills that play an important role while starting out their own start ups. It enlightened the students about what they should do in future and that to be a successful entrepreneur they need to begin right from the college days. The session motivated all the students to start developing their own ideas for startups in this domain.

A positive feedback was received from all the participants. Participation certificates were also provided to the participants by the CSI-CRCE team. An active participation by the speaker, council members and the participants made the Session On Cyber Security : Career and Business Opportunities a grand success!

MY PROFILE
My Council
State Council
Manage Activity
Innovation Ambassador
Manage Pre-Incubation / Incubation Details
Schemes
ATL School Linkage
e-Learning Resources
YUKTI
National Innovation Repository
Innovation Contest 2020
MY
My Council
Refer Institute for IIC Registration
State Council
Performance Card
Manage Activity
Announcement from IIC Institutes
Innovation Ambassador
Notification
Manage Pre-Incubation / Incubation Details
Suggestion / Query
Schemes
Download
ATL School Linkage
Contact us
e-Learning Resources
Join IIC Zonal Group
YUKTI
IIC Guide and Portal Manual
National Innovation Repository
Innovation Contest 2020
Refer Institute for IIC Registration
Performance Card
Announcement from IIC Institutes
Notification
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Guidelines : Application Submission - FAQ | YUKTI National Innovaiton Repository - FAQ | YUKTI-NIR Orientation Session

Registration I

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Application Subr

(Please share thi
Incubation Unit
institute)

Sr. No.	Team Leader Details	Usertype	View & Verify ID	No. of Ideas	No. of Innovations	No. of Startups
1	Mohammed Zeeshan Khan crce.8810.ecs@gmail.com 9082102099	Student 8810	View & Verify ID	0	0	0
2	Raj Harindar Mourya rajhmourya@gmail.com 8299263986	Student 8889	View & Verify ID	0	0	0
3	Bhushan Pakhle dhruvpakhle4@gmail.com 7045414324	Student 9216	View & Verify ID	0	0	0
4	Rohan Mathew crce.9209.cs@gmail.com 9820187537	Student 9209	View & Verify ID	0	0	0
5	Rahul Bazaz crce.8922.ce@gmail.com 9167034650	Student 8922	View & Verify ID	0	0	0
6	Justin Abreo abreoj@gmail.com 8104610379	Student 9174	View & Verify ID	1	0	0
7	Andre Isaac Nazareth anazareth777@gmail.com 7400123866	Student 9389	View & Verify ID	0	1	0
8	Sarah Abraham crce.9231.cs@gmail.com 9930885653	Student 9231	View & Verify ID	1	0	0
9	Atharva Joshi crce.9071.ecs@gmail.com 9881400392	Student 9071	View & Verify ID	0	1	0
10	Alisha Rao alisharao0749@gmail.com 9892093890	Student 8899	View & Verify ID	0	0	0
11	Kevin Mathew crce.9000.me@gmail.com 9819985435	Student 9000	View & Verify ID	1	0	0
12	Darren Michael Mascarenhas crce.9106.me@gmail.com 7304670625	Student 9106	View & Verify ID	1	0	0
13	NIVESH SHARMA sharmanivesh1@gmail.com 9769754007	Student 9023	View & Verify ID	1	0	0
14	Charit Save charitsave@gmail.com 9764071948	Student 9019	View & Verify ID	1	0	0
15	Shanon Manuel Caldeira michaelcaldeira27@gmail.com 7208274808	Student 8985	View & Verify ID	1	0	0

16	candida.noronha18@gmail.com 8369565880	Student 8960	View & Verify ID	0	0	0
17	Kaviraj Easwaran kavirajeaswaran@gmail.com 7208240544	Student 9100	View & Verify ID	1	0	0
18	Taransingh Rajpal taranrajpal11@gmail.com 9082343049	Student 8898	View & Verify ID	1	0	0
19	Arpita Kar crce.9073.ecs@gmail.com 8799804783	Student 9073	View & Verify ID	0	1	0
20	Jayden Dsouza jayden2001dsouza@gmail.com 7756895072	Student 8866	View & Verify ID	0	0	0
21	Shubham Ojha subham.k.ojha@gmail.com 9987278981	Student 9276	View & Verify ID	0	0	0
22	Arnav arnavchawathe@gmail.com 9833411196	Student 8801	View & Verify ID	0	1	0
23	Santo Sunny crce.9161.ecs@gmail.com 9370550798	Student	View & Verify ID	1	0	0
24	Hitesh Sharma hiteshsharmahs0987@gmail.com 8601806705	Student	View & Verify ID	1	0	0
25	Sahil Sambhaji Bodkhe sahilbodkhe45@gmail.com 9619318732	Student	View & Verify ID	0	1	0
26	Ishaan Loomba loombaishaan@gmail.com 8850256586	Student	View & Verify ID	0	1	0
27	Prachi Kunal Patil prachi@fragnel.edu.in 9969465845	Faculty	View & Verify ID	0	0	0

Proofs of workshops/Seminars organized on Research Methodology, Intellectual Property Rights (IPR) and Entrepreneurship (2020-21)

SESSION ON PROCESS OF INNOVATION DEVELOPMENT

28th December, 4.00pm to 6.00 pm

SPEAKERS :

- MR.HARISH AIYER
- MS.APARNA RAMCHANDRA
- MR.KIRAN TALELE
- MR.RAJESH SHETTY

CURATOR OF SESSION :
PROF. DINESH ISRANI

WEBINAR REPORT: PROCESS OF INNOVATION DEVELOPMENT
DATE: 28/12/2020

Webinar Report:

The webinar organized by E-CELL FRCRCE was a live session for "**Innovation Development**" by Mr. Dinesh Israni, Mr. Harish Aiyer, Mr. Kiran Talele, from Naman Angels India Foundation was an exceptionally brilliant and truly inspirational session.

Name of the event:	"***Innovation Development***" by Dinesh Israni, Harish Aiyer, Kiran Talele
Date of event:	*December 28th 2020, 4.00-6.00PM*
Platform of the event:	*Google Meet*
Sponsoring organisation:	*Institution Innovation Cell (IIC) and E-Cell*
Total number of participants:	53

At the beginning **Ms. Akshata Jadhav** introduced the E-Cell to the speakers and introduced the speakers to the students with a short briefing.

On December 28th, an informative and helpful webinar on Innovation Development by **Mr. Dinesh Israni, Mr. Harish Iyer and Mr. Kiran Talele** (Naman Angels India Foundation) was organized by E-CELL-FrCRCE in collaboration with IIC-FRCRCE. The objective of this webinar was co-creating a culture of innovation among students. In this connection, Mr. Dinesh Israni was the first speaker who spoke on what does it take to actually be innovative by simplifying the word "kar" where K stands for Knowledge, A for Action and R for the Result. Innovation process of Explore-Try-Do it was discussed. A question was put forward for the participants as a problem statement on why we don't innovate, i.e "Why risk it when we are doing fine". It is the but's that stop us from innovation. Seven considerations for co-creating a culture of innovation were discussed such as Foundational Context, Trust, Environment, Know-How, Commitment, Collaboration, Risk and Failure.

Further, the session was taken up by Mr. Harish Aiyer. He started off by asking about "Does efficiency have something to do with innovation". Next he moved forward by asking a complimentary question "Should the innovation be cost effective". He supported the answers with the help of real life examples. Innovation should be related to the need of the time or the customer. He gave examples of innovation during the crisis of the COVID pandemic. Doing something with ease and fun were some inspirational words. Examples on Probiotics and organic farming were shared. Trade secret was discussed.

The next section was continued by Mr. Kiran Talele. He stressed on understanding the market, converting invention to innovation, understanding the requirement of the customer, market survey,

Intellectual Property Rights[IPR] on patents and copyright, commercialization, product developmengt, startups or technology transfer, product design (hardware/software) were explained in brief. Case Studies were discussed related to Innovation such as ECG Tracker, Techgig Code Gladiator, Prosthetic Limbs. Few details about IEEE were shared. Also, need to protect your idea was stressed upon.

The webinar was well received by the students and teachers alike. The objectives of E-CELL for organizing the event can be said to be achieved due to precise answering of some of the important questions by speakers dealing on issues like:-

1) Invention
2) Innovation
3) Entrepreneurship
4) Incubation
5) Intellectual Property Rights[IPR]

The webinar was very helpful and encouraging and it also cleared some of the doubts regarding innovation development. Overall it was great and the ECELL would be waiting for further sessions provided by Naman Angels India Foundation."

Prof. Prajakta Bhangale
Teacher Incharge

Smith Dsouza
General Secretary

CodeLabs CRCE

INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiative)

IIC-FrCRCE

Presents

Edwin Clement

A webinar on

-Design Thinking

-Critical Thinking

-Innovation Design

on

29th November 2020
Time: 3:00 p.m.
Platform: Google Meet

Contact

Dion: 98922 81840

Ayush: 91361 14886

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

Date: 29 November, 2020

Report on "Design Thinking, Critical Thinking and Innovation Design" Webinar

CodeLabs CRCE of Fr. Conceicao Rodrigues College of Engineering, Bandra, Mumbai recently conducted a webinar around the topic of 'Design Thinking, Critical Thinking and Innovation Design" on 29 November 2020 at 15:00 IST. Due to COVID-19 pandemic the session was conducted online through the Google Meet platform. The webinar was conducted under the guidance of CodeLabs CRCE.

The audience consisted of not only our existing students, but also interested and enthusiastic external attendees. There was a total of 46 participants including students, faculty and external attendees. The speaker for our event was our very own alumni who has been extremely successful in his various endeavours.

Objective:

The CodeLabs CRCE Committee was formed to work for the development of students' logical thinking and organize events to increase their technical skills. The Committee aims to do this by organizing interactive seminars, workshops, and coding competitions so as to increase the problem-solving skills of students.

The theme of innovation was selected in-order to give the existing students a chance to glimpse the workings of the research world while also making them aware of the host of problems faced by aspiring innovators. This particular theme also plays into the "Make in India" vision of our hon. Prime Minister and presents a promising career choice for our young graduates to pursue.

Speaker Description:

- Mr. Edwin Clement

He is a graduate of the Computer Engineering batch, 2019. As soon as he graduated from Fr. CRCE, Edwin started his professional career in an organization "Browserstack". He is primarily skilled in Python, Deep Learning, App Development and Full Stack Apps and has worked on several projects on the same.

Webinar Synopsis:

Despite the prevailing situation due to COVID-19 CodeLabs CRCE managed to conduct the webinar via Google Meet with keen and curious participants in the audience.

The event started with a greeting to all the participants and the speaker from the Vice-Chairperson of CodeLabs CRCE, **Mr. Dion Trevor Castellino.**

After brief introductions and formalities, the speaker **Mr. Edwin Clement** kicked off the session by speaking about his experiences regarding Design Strategies with respect to the projects he worked on in Browserstack. He also spoke about the importance of certain design principles such as reverting back to previous batch of code near-instantaneously in case of a system crash, managing workloads on servers and so on and so forth. The session was especially informative and relatable to the audience due to Mr. Clement's excellent way of explaining every concept with a snapshot of his life experience. This made the session incredibly easy to grasp.

The event ended with a formal vote of thanks which was delivered by the Vice-Chairperson **Mr. Dion Trevor Castellino** thanking the speaker and the audience thus concluding the event.

Responsibility handled by the Organizing team:

Name	Position	Responsibility
Tanmayee Sawant	PR Head	1. Created PR message 2. Spread the word about the event. 3. Student feedback collection
Dion Trevor Castellino	Vice-Chairperson	1. Speaker arrangement 2. Event coordinator 3. Delivered Introduction 4. Delivered Vote of Thanks 5. Setting up the platform for the event
Rincy Fernandes	Design Head	1. Social Media posters 2. Google Registration form set up

Audience Feedback:

"The event was highly engaging and the choice of speaker was great! I personally liked that the session revolved around the personal journey of the speaker rather than a generic advice-giving speech. Well organized and good choice of content!"

Report prepared by Mr. Dion Trevor Castellino,
Vice-Chairperson, CodeLabs CRCE

Date: 27th December 2020

Report of

"Identifying intellectual components at the early stages of innovation"

Webinar

Introduction:

The Society of Automotive Engineers – a collegiate club of Fr. Conceicao Rodrigues College of Engineering(Bandra), throughout the years has always aimed at creating awareness and building connections within the different engineering fields, especially among the core mechanical disciplines. The club hosts many events in the interest of the student members associated with us and the college as a whole. The webinar hosted on 27th December 2020 by Prof. Hitendra Vaishnav focused on identifying intellectual components at the early stage of innovation and was a hit amongst our students.

Webinar Synopsis:

Despite the prevailing situation due to COVID-19, SAE CRCE managed to conduct an engaging webinar via Google Meet with 33 keen and curious students.

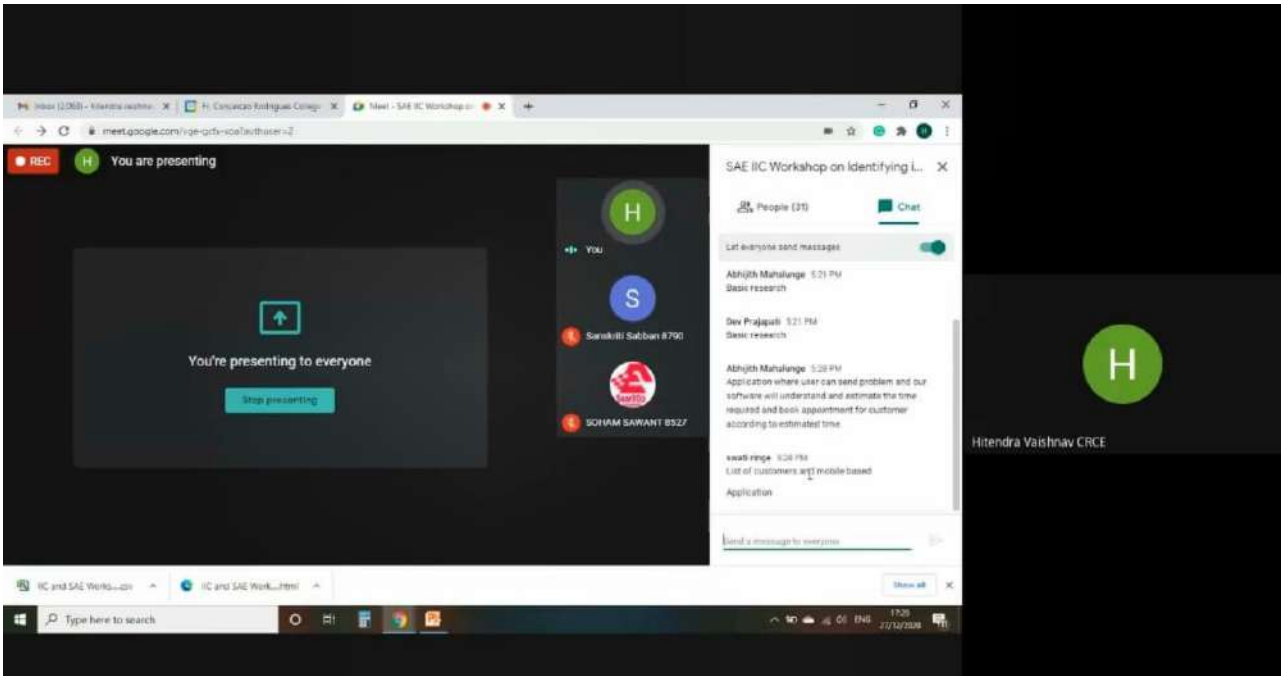
The topic "Identifying intellectual components at the early stages of innovation'' was selected to give students a brief idea about "Property Rights" and some of its main components like patents, copyrights, trade secrets, etc. with some real-life examples to make it simple for the students to understand. Prof. Hitendra Vaishnav emphasized Intellectual Property laws primarily covering Patents, design, and Trademark. Prof. Vaishnav also explained the practical aspects of business knowledge and expertise required in IPR field related to innovation. He discussed the role of Intellectual Property for long term strategic benefits and competitive edge. He interacted with the students and cleared all their queries related to IPR, Patents, etc.

Prof. Hitendra Vaishnav throughout his webinar covered a wide range of topics, starting with basic concepts and then illustrating them with real-world examples that prompted many fruitful discussions. His easy delivery style and wide range of knowledge made it easy to understand the concepts, even for people with no prior exposure to this domain.

Responsibility handled by the Organizing team:

Name	Position	Responsibility
Harshal Khedekar	Joint Chairperson	Event Coordinator
Akshay Dixit	Joint Chairperson	Event Coordinator
Jay Patel	Technical Advisor	Event Coordinator
Soham Sawant	Vice-Chairperson	Coordinating with the speaker/ Event Coordinator
Mareena Fernandes	Secretary	1. Promotional and speaker awareness poster 2. Posting updates on Instagram, Facebook, LinkedIn
Raj Colaco	Treasurer	1. Google registration form set up 2. Student feedback collection
Aditya Punjabi	Technical Head	1. Drafted PR message 2. Participation certificates for attendees 3. Coordinating with students over WhatsApp 4. Coordinated for Setting up the webinar platform
Kedar Pawar	Program Chair	Junior Event Coordinator
Hasnain Khan	Asst. Technical Head	Junior Event Coordinator
Nigel Noronha	SE Representative	Junior Event Coordinator

Photos of the Webinar:



Conclusion:

Overall, the event was a great success with several quality discussions around the main topic, and plenty of questions asked and answered. The students as well as our SAE CRCE team are immensely satisfied with the success of this webinar.

For future events, we hope to reach out to more people in and out of our college and build up an engaging and active community as we look forward to bringing more such speakers and organize more interactive sessions.

@SAE_CRCE

Webinar Session on

Identifying Intellectual component at the early stage of Innovation

Speaker: Prof. Hitendra Vaishnav

Date: 27th December, 2020
Platform: Google Meet
Duration: 1 hour
Time: 17:00 IST

Date: 5th December, 2020

REPORT ON "ENTREPRENEURSHIP DEVELOPMENT PHASES" WEBINAR

IIIExCRCE of Fr. Conceicao Rodrigues College of Engineering (Fr. CRCE), Bandra, Mumbai recently conducted a webinar around the topic of 'Entrepreneurship Development Phases" on 5th December 2020 at 17:00 IST and was conducted by Mr. Surendar Kv, Founder & CMO at Techiegen. Due to the COVID-19 pandemic, the session was conducted online on Microsoft Teams. This webinar was conducted
under the guidance of IIIExCRCE.

The audience consisted of not only the students of Fr. CRCE however it also included other external attendees. There was a total of 110 participants including students and external attendees.

Speaker Description:

-> Mr. Surendar Kv
He is a student from Chennai Institute of Technology, Chennai currently completing his Degree in Mechanical Engineering. Surendar believes in Lean startup, Transparency, and Smartwork. He is a strong follower of Stoicism and the 10% Hustler Community, he also has a podcast channel " the top 5 podcast ".

Even though he is a 3rd Year Mechanical Engineering Student he is the founder and CMO at Techiegen; a student community, welcoming students from all disciplines and cultures, to learn, grow, and network. Techiegen promotes self-learning and entrepreneurship. Techiegen creates a platform to revolutionize college education by providing a one-stop solution to students for upskilling.

Webinar Synopsis:

Despite the Covid-19 Pandemic and its restrictions, IIIExCRCE has managed to conduct this webinar on the Microsoft Teams Platform with a very keen and enthusiastic audience.

The event started with a greeting to the viewers and a brief introduction of the speaker Mr. Surendar Kv. Following which Mr. Surendar Kv initiated the webinar by introducing himself and Techiegen. He spoke about his personal experience as an entrepreneur and how he started at such a young age. The entire presentation centered around the 5 Pillars of Entrepreneurship and the entire Startup process. Mr. Surendar Kv spoke about the various steps involved in the launching of a startup, He based his idea of a start-up around the 9 Stages of a startup, ideation, co-founder, MVP, Business Model, Branding, Company, Pitch Desk, Money/Funding,

and Scale-up. He explained in detail each and every stage along with the difficulties that one would face at each of these stages. Mr. Surendar Kv explained each and every concept with a snapshot of his experiences and this made the webinar informative and easy to grasp.

Mr. Surendra Kv's Presentation was followed by a Q&A session where the audience was asked to post their questions on the Webinar WhatsApp Group after which the same was copied to a shared Google Document with the speaker. The webinar ended by thanking the speaker for his time and interest in enlightening the audience with tips for a successful Start-Up. The entire webinar was recorded and the same was uploaded on YouTube.

Audience Feedback:

The webinar was highly engaging and informative. All ideas and concepts which were presented were clear with good coordination among the event organizers and the speaker. The speaker was very knowledgeable and based the webinar on real-life events and scenarios making the webinar very rewarding.

IIITExCRCE in collaboration with IIC invites you to a workshop on

'ENTREPRENEURSHIP DEVELOPMENT PHASES'

- Surendar Kv

- 3rd Year Mechanical Engineering Student, CIT
- Founder & CMO at 'Techiegen'

TechieGen
Education | Innovation | Technology

Techiegen is India's #1 Student Community for Upskilling and Networking

Date: 04 March 2021

Report of Mentoring Future Innovators and Entrepreneurs Workshop

IIC-FrCRCE and Internal Quality Assurance Cell of Fr. Conceicao Rodrigues College of Engineering, Bandra, Mumbai, recently conducted a webinar, "Mentoring Session for future Innovators Student Entrepreneurs of CRCE" on 4th March 2021.

Students of first to final year of across the disciplines (Electronics Engineering, Computer Engineering , Electronics Computer Science, Mechanical Engineering, Artificial Intelligence and Data Science) actively participated in the webinar. 101 students were benefited from this mentoring session.

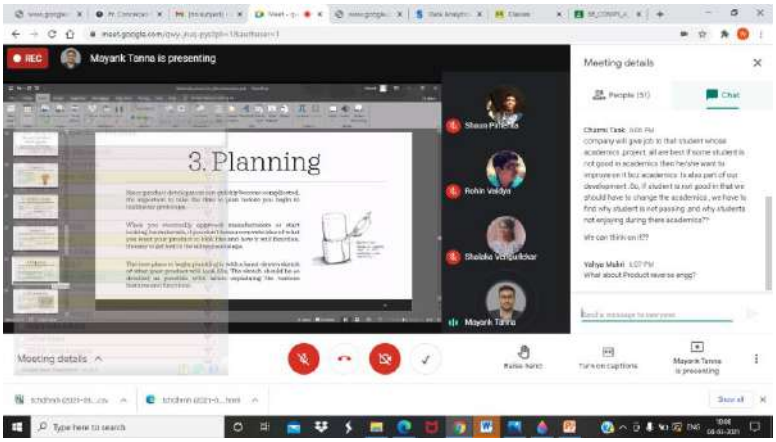
The mentoring session was conducted by 'Team Kavach' formed by final year IT students Mayank Tanna, Rohin Wadia, Nimisha Bhoir, and Nidhi Sharma. They, as a team, have won Fr. CRCE Idea competition 2020, and have a number of nominations in many competitions like National Meritorious Invention, NRTC, National Budding Innovators, National Societal Innovation Award 2020.

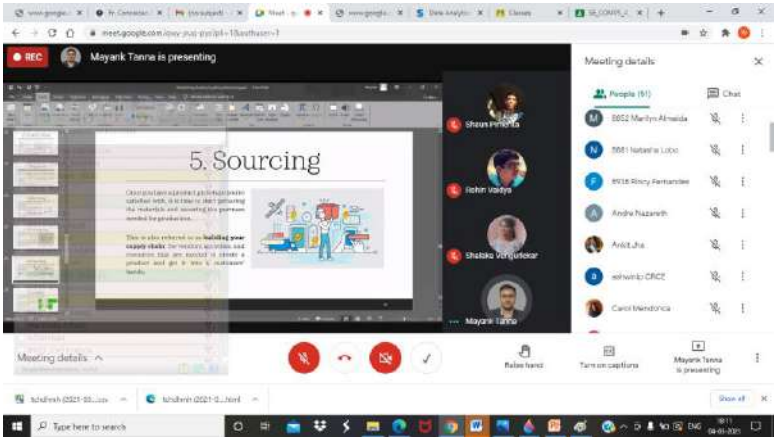
Mentoring session provided valuable insights on the experience and exposure of Team Kavach on their product development project. Truly inspiring session for all participants considering wide range of concepts, tools, modules and actual application covered in session. Journey of Team Kavach is incredible. Team Kavach has created Women Safety product by applying structured 3 stage methodology viz. Thinking, Product Development and Business Planning. Insights received about these 3 stages are perfect blend of application of theory in practical life. Use of double diamond module (discover, define, develop, deliver), team formation stages (forming, storming, norming, performing), SWOT (strength, weakness, opportunities, threats), 7 factors of team dynamics, Essential ingredients of any successful business plan etc. demonstrated how these theory concepts can be used in practical reward wining project. Case studies and examples ensured high level of interactive session for all students. Involvement of audience was highly evident based on interactive question and answers experienced during session.

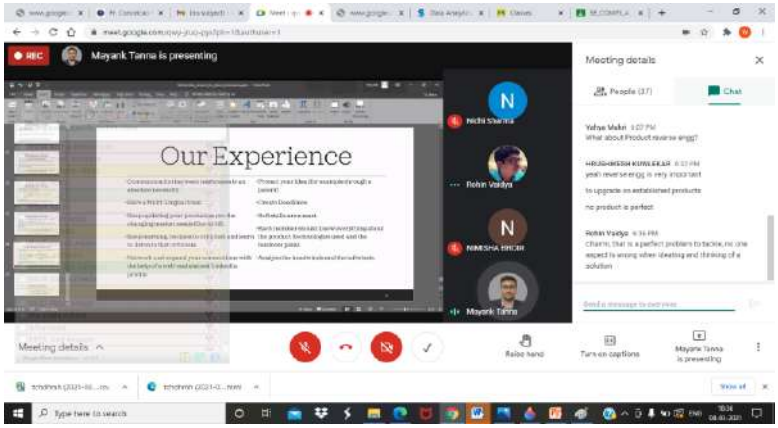
This workshop was a great success as participants learned how practical work is mix of functional challenges, people challenges and financial challenges. These 3 dimensions of every product development from positive business perspective are highly important. Solution oriented thinking on problem, formation of team, understanding market dynamics

(competition, pricing), costing, sourcing, inclusion of diversity in team, creativity, innovation etc. provided 360-degree exposure to participants to enhance their soft skills. Much needed for future innovators and entrepreneurs!

Screenshots of the online mentoring session:



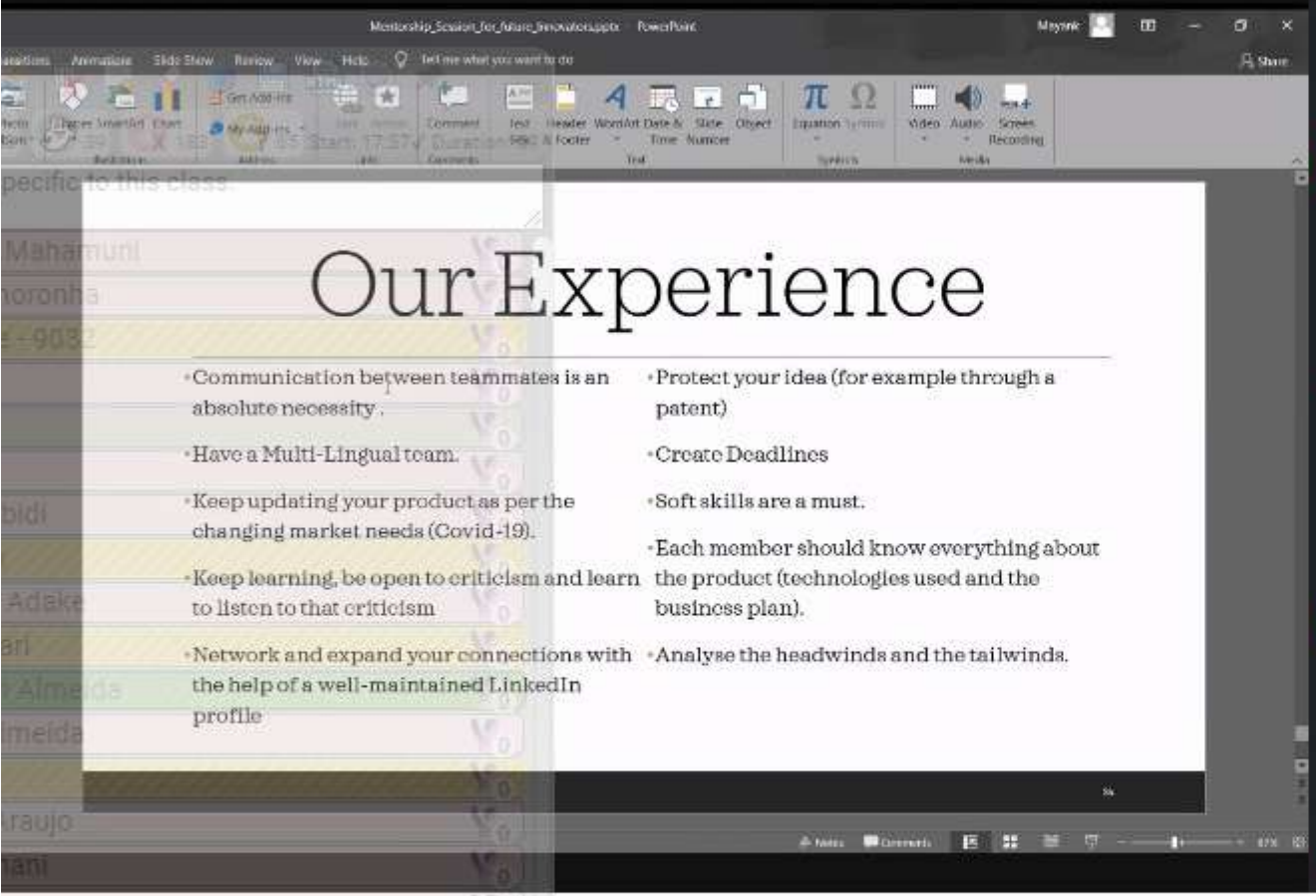



Mayank Tanna is presenting
Our Experience
Meeting details
Rohin Vaidya
Mayank Tanna

Fr. Conceicao | (no subject) - | Meet - qw | www.google.c | Data Analytics | Classes | SE_COMPS_A

meet.google.com/qwy-jruq-pys?pli=1&authuser=1

Mayank Tanna is presenting



N Nidhi Sharma

Rohin Vaidya

N NIMISHA BHOIR

Mayank Tanna

Meeting details

People (37)

Yahya Mukri 6:07 PM
What about Product reverse engg?

HRUSHIKESH KUWLEKAR 6:32 PM
yeah reverse engg is very important

to upgrade on established products

no product is perfect

Rohin Vaidya 6:36 PM
Charmi, that is a perfect problem to ta
aspect is wrong when ideating and th
solution

Send a message to everyone

Raise hand

Turn on captions

Mayank T
is preser

21-03....csv

tchdhmh (2021-0....html

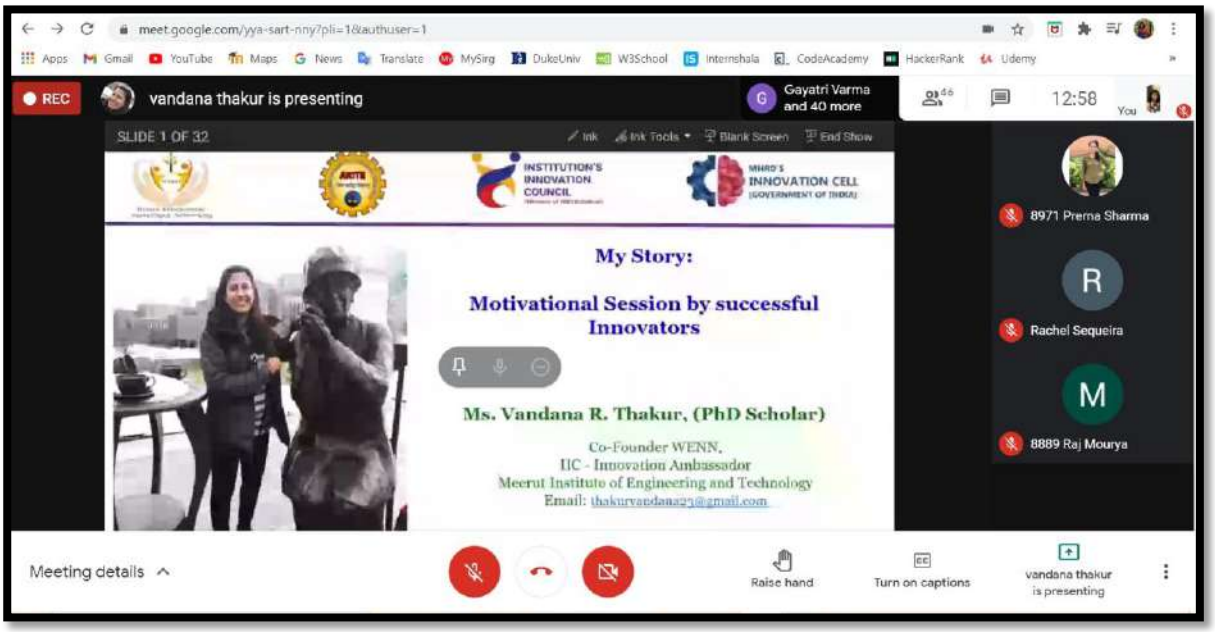
here to search

ENG

CSI-CRCE organized
My Story – Motivational Session By Successful Innovators

Event Name : My Story – Motivational Session By Successful Innovators
Date : 28th November, 2020
Platform : Google Meet

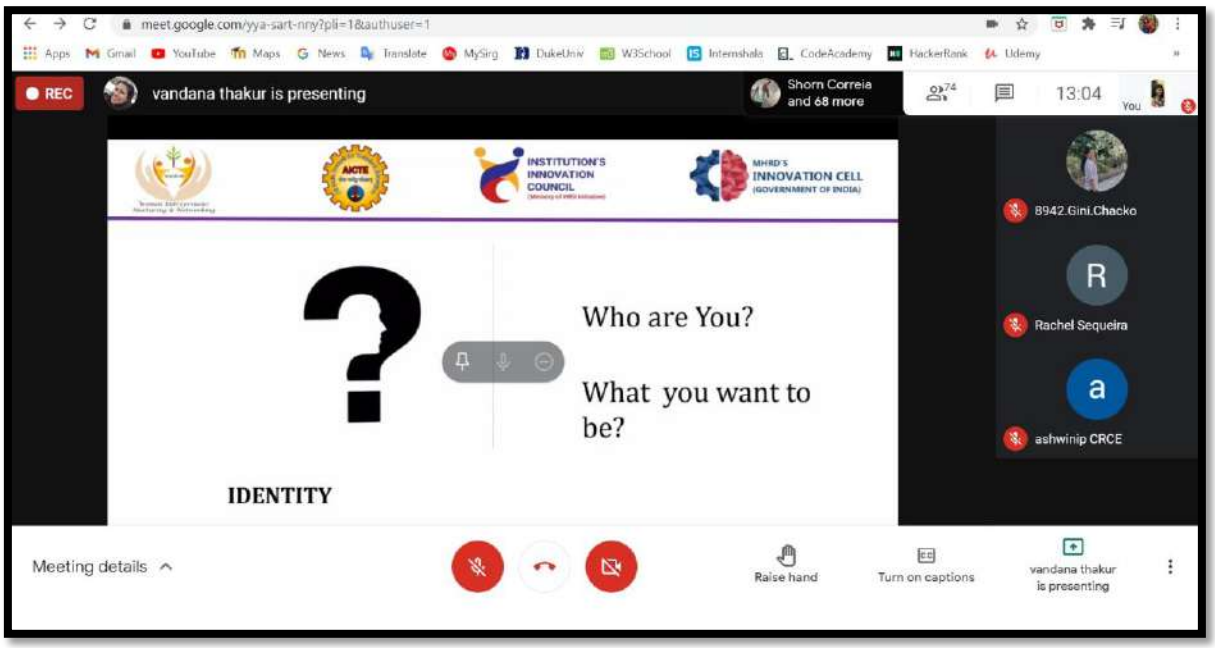
The Computer Society of India(C.S.I.), FR. C.R.C.E. organized a session on My Story – Motivational Session By Successful Innovators on 28th November, 2020. The objective of the event was to enlighten the young minds about entrepreneurship and start ups.



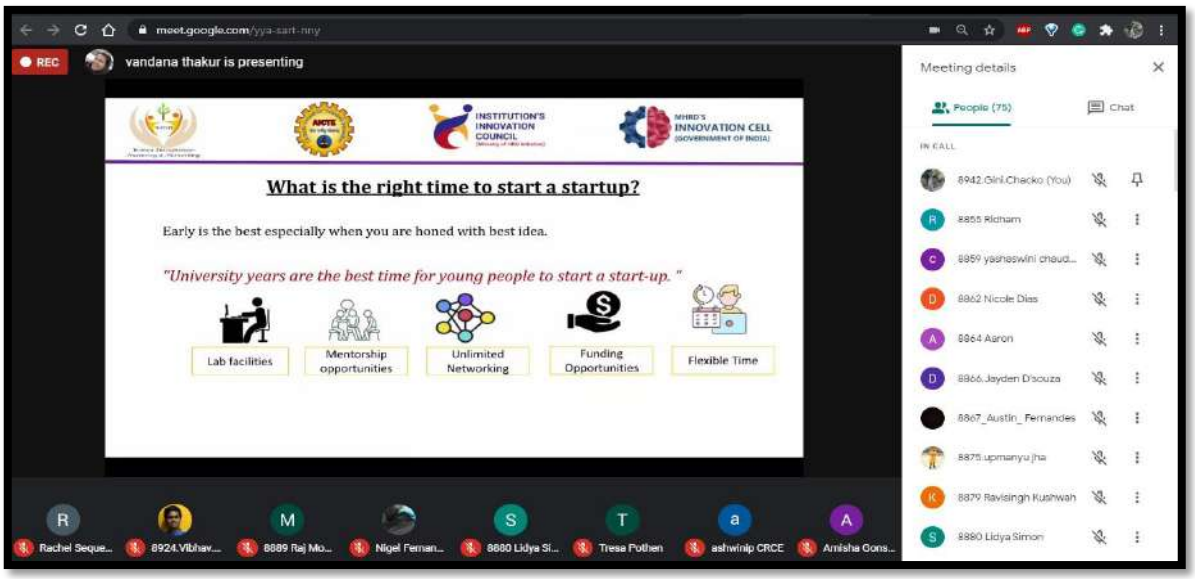
A total of 73 students from SE and TE and 2 faculty members attended the session.The mode of session delivery was Google Meet.

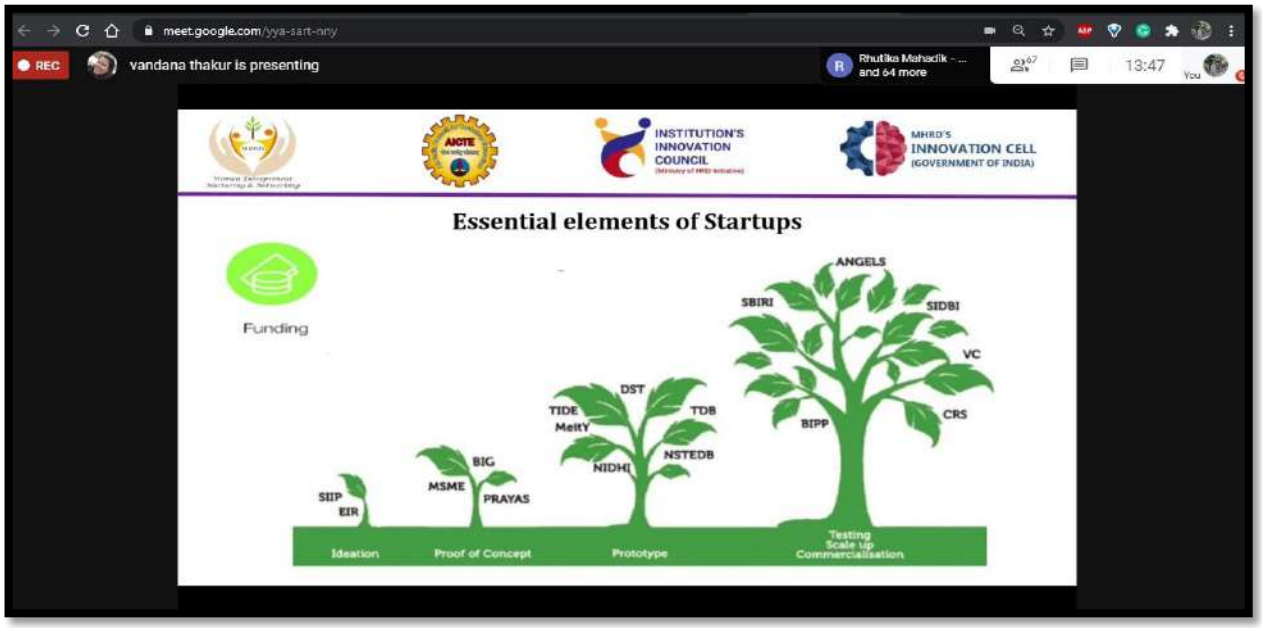
Ms. Vandana Thakur (speaker)

The speaker for the session was Ms.Vandana Thakur. She is a PhD Scholar from L.M. College of Pharmacy, Ahmedabad. Also an Innovation Ambassador of MHRD Innovation Cell (MIC) and an IIC Innovation Ambassador, Meerut Institute of Engineering and Technology, Meerut, U.P. She is also a Co-founder of WENN, a Female Innovator cum Entrepreneur also the winner of the National Innovation Contest 2019, IIC-MIC, AICTE. She is also a Part of female entrepreneur delegation to Canada, through Canada India Acceleration Program (CIAP) 2020. Ms. Vandana Thakur is also a Patent owner and worked on 3 innovations in Healthcare Sector, associated with - Institution Innovation Council (IIC), at L.M. College of Pharmacy, Ahmedabad. She is a Mentor too at Meerut Institute of Engineering and Technology (MIET), Meerut. She has a great expertise on Research Based Innovations which motivated, encouraged and enlightened the students.

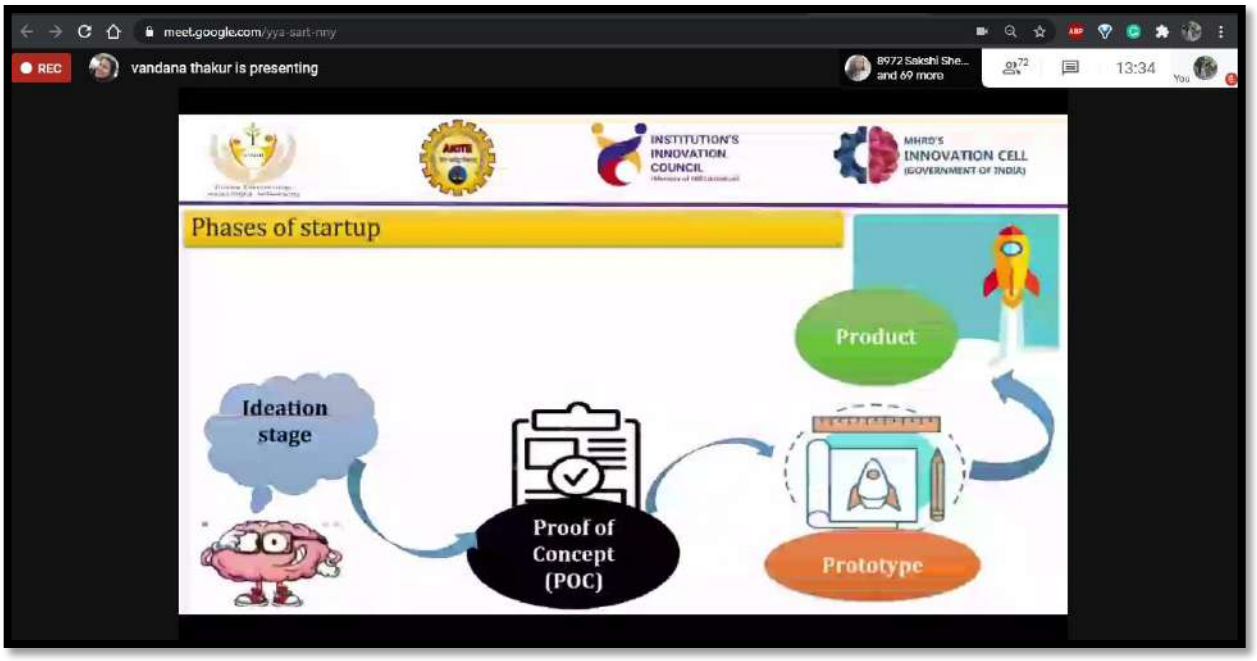


The session began with the speaker narrating her story of being a successful innovator. The first half of the session was enlightened upon Ms.Vandana Thakur's entrepreneurial journey of being so successful which encouraged the audience to challenge themselves and take up such challenges in life.

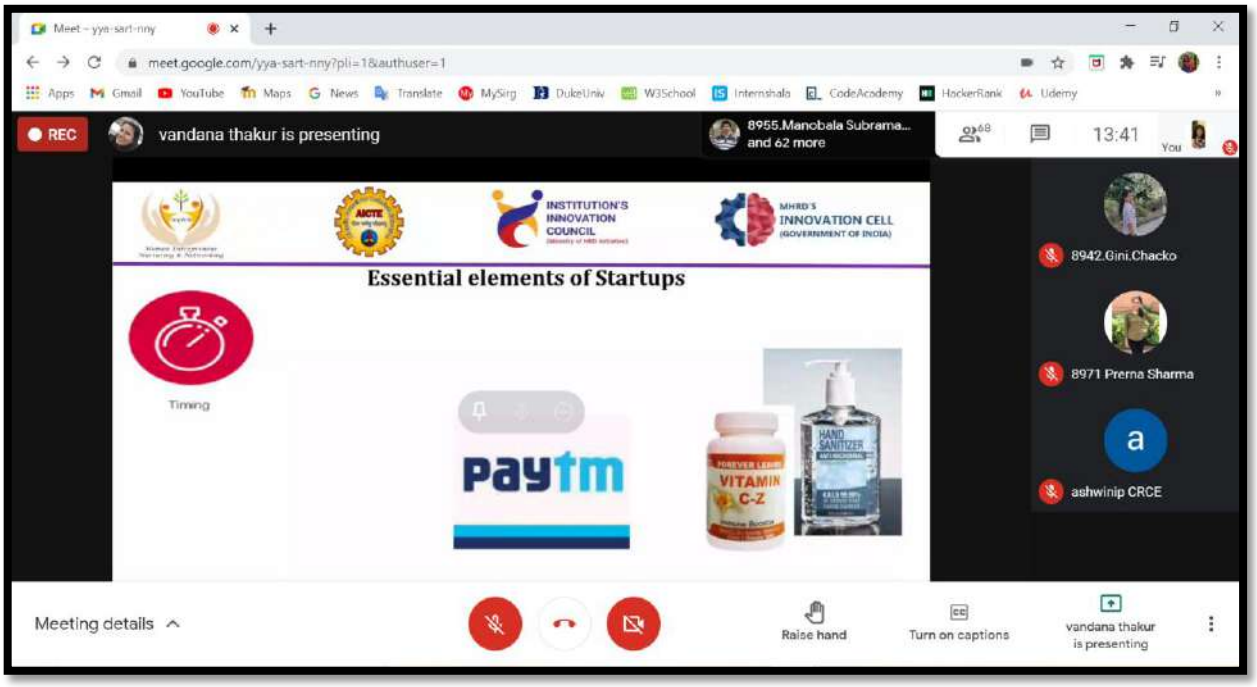




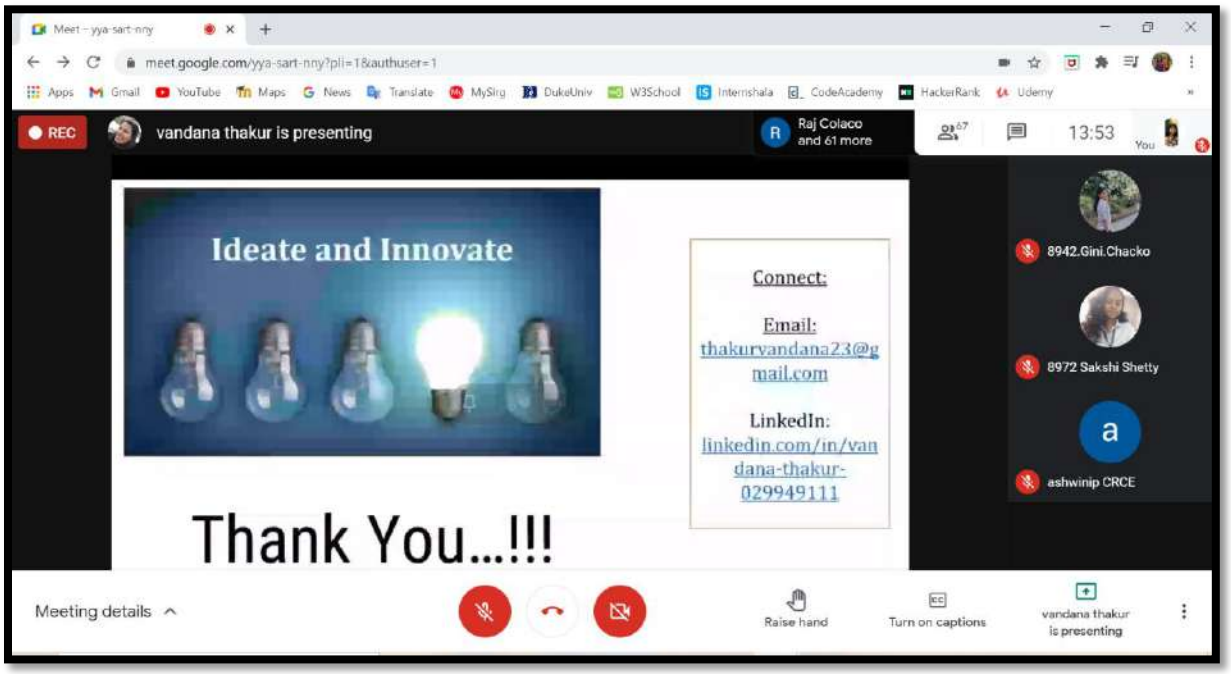
The second half of the session included a detailed explanation about the main theme of the event which included how to start a startup, what is the right time to start a startup, SCAMPER techniques for innovation, essential elements for startups and phases of startups, etc were dicussed in detail, which was really an eye-opener for the audience to understand various important things for starting a startup and also motivated them to learn many new things about entrepreneurship.The star performer (Faculty) was Ms.Ashwini Pansare and star performer (Student) was Ms.Gini Chacko.



The outcome of the event was that all the students learned a lot about entrepreneurship and it also made the audience realize that the nation needs more job creators than job seekers. The session also helped the students realize that college life is the best for start ups and that a small idea but with a proper proof can also be an excellent start up. It enlightened the students about what they should do in future and that to be a successful entrepreneur they need to begin right from the college days. The session motivated all the students to be an employeer rather than a employee.



A good feedback was received from all the participants. Participation certificates were also provided to the participants by the CSI-CRCE team. An active participation by the speaker, council members and the participants made the My Story – Motivational Session By Successful Innovators workshop a grand success!

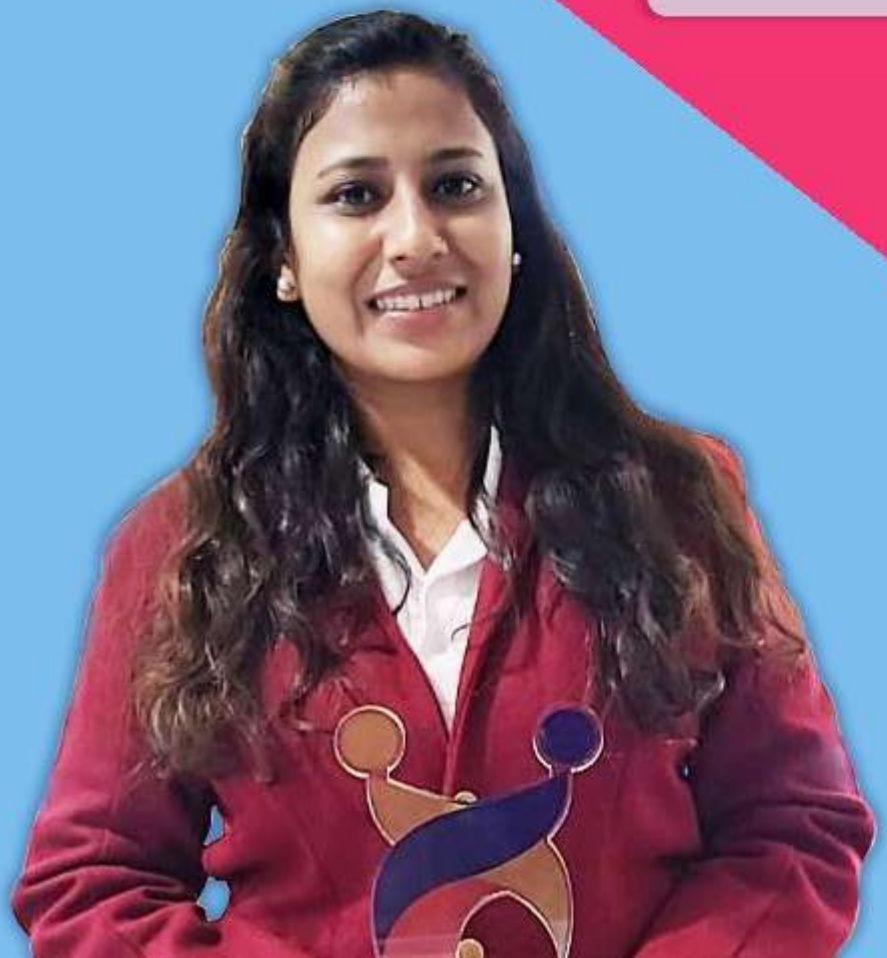


CSI-CRCE

Motivational Session by Successful Innovators

Certificates: Provided

Participation: Free



Where :
Google Meet
Date :
28 November, 2020
Timings :
1:00pm- 2:00pm

OUR SPEAKER'S 2020

WEBINAR

ENTREPRENEURSHIP & INNOVATION AS CAREER OPPORTUNITY

Mr. Ayush Jain

Co-founder of Utopia-Tech
Ex-Embedded Systems Engineer at
Godrej Security Solutions

NOVEMBER 9th

TIME: 4:00

Mr. Farhan Shaikh

Senior Consultant Capgemini
Invent,Ex-Director (Digital)

IEEE CRCE
Branch Code: STB60351

Fr. Conceicao Rodrigues College of Engineering
(Affiliated to University of Mumbai, Approved by AICTE, New Delhi)
Fr. Agnel Ashram, Bandstand, Bandra (West), Mumbai – 400050.
Phone: 022-26423841/42, Fax: 022-26516831
Website: sites.ieee.org/sb-crce, Email: ieee.crce@gmail.com

CRCE

Report of Webinar on Entrepreneurship and Innovation as Career Opportunity

Date: 10th November, 2020

IIC-FrCRCE, IEEE and WIE of Fr. Conceicao Rodrigues College of Engineering, Bandra, Mumbai, recently conducted a webinar on Entrepreneurship and Innovation as Career Opportunity 9th November 2020 at 4:00pm. This webinar is conducted under the guidance of Prof Swapnali and Prof Sushma Nagdeote, of FRCRCE and with cooperation of the organizing team.

Many students from the college actively participated for the event and showed their enthusiasm. Students from various branches attended the event. Firstly, our VCP(IEE) Manoah Jeyaraj introduced the first speaker of webinar Mr. Ayush Jain and VCP(WIE) Heena Shah introduced the second speaker Mr. Farhan Shaikh both of them shared their college life experience. This workshop enabled participants to understand about entrepreneurial process, key risks, effective process in bringing types of product/services, start up, its idea, launch pad, growth stage, validation and presentation of idea and product.

This workshop was a success as participants learned about Entrepreneurship and Innovation as Career Opportunity with hands on experience. This workshop will be helpful to the participant, as an emerging frontier to deal with industry specific problems and areas for future research. This holistic understanding with the certification from IIC, IEEE, and WIE will add extra miles in the participant's career.

Report by

Prof Swapnali Makdey
(Branch Counsellor-IEEE)

Prof Sushma Nagdeote
(Branch Counsellor-WIE)

INNOVATION COUNCIL
(Ministry of HRD Initiative)
INTERVIEW READY
CSI-CRCE
LIVE WEBINAR
My Story - Landing a Dream Job and Living a Start up Dream
BEST STRATEGY OF 2021
The Expert's Advice
LIVE ON GOOGLE MEET
On 7th April 2021 , 5pm
Details of Gaurav Sen
. Founder , InterviewReady
. Ex. SDE at Uber
. Ex. Platform Engineer, Directi
. Ex. IT Analyst. Morgan Stanley
SPEAKER
MR. Gaurav Sen
REGISTER

CSI-CRCE organized
My Story- Landing A Dream Job And Living A Startup Dream

Event Name : My Story- Landing a dream job and Living a startup dream
Date **:** 7th April, 2021
Platform **:** Google Meet

The Computer Society of India (C.S.I.), FR. C.R.C.E. organized a seminar on My Story-Landing a Dream Job and Living A startup Dream on 7th April, 2021. The objective of the event was to help the students to understand and clear their doubts regarding placements and to get guidance on how they can land to their dream job and also enlighten the young minds about entrepreneurship and start ups.

A total of 46 students from FE, SE, TE and BE attended the session. The mode of session delivery was Google Meet.

Mr. Gaurav Sen (speaker)

The speaker for the session was Mr. Gaurav Sen. Mr. Gaurav Sen is the founder of Interview Ready, a company which provides course which helps you ace system design interviews and improve in software engineering. He is an alumni of FR CRCE and also a great content creator. He runs a YouTube channel on system design and algorithms that has crossed 300k subscribers. His experience includes being a former Software Development Engineer at Uber, former Platform Engineer at Directi and former IT Analyst at Morgan Stanley.

The session began with the speaker narrating his experiences and struggles that he went through the initial stage to get into what he is today. The first half of the session was enlightened upon Mr. Gurav Sen's journey of being so successful which encouraged the audience to challenge themselves and take up such challenges in life.

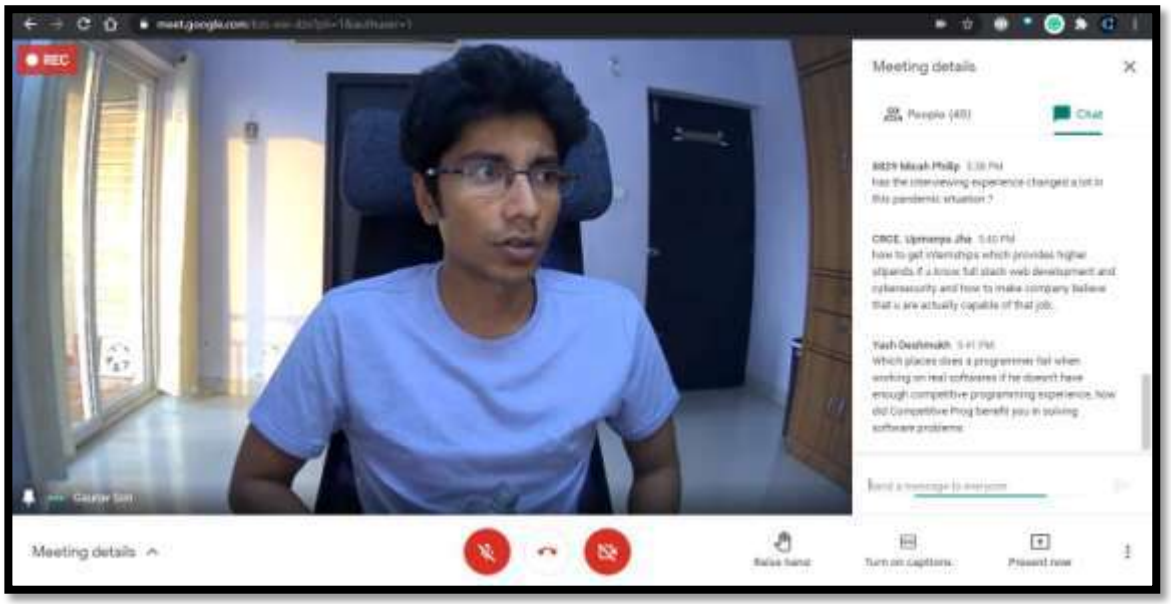
Mr. Gaurav Sen inspired everyone of us by stating his journey of engineering starting with a KT and landing to his dream job and living his startup dream. The speaker shared his experience right from his initial struggles in programming, interview rounds, college projects, internships, working experience in various companies, starting his own YouTube channel and finally starting his own startup Interview Ready. All the students were motivated for startup and to be an entrepreneur by sharing his experience. The speaker's thoughts and experiences enlightened our minds and showed all a new path which overall graced the occasion.

The second half of the session included a detailed Question and Answers session. The audience actively participated and interacted during the session and cleared all their queries they had in minds regarding jobs, placements, entrepreneurship and start ups.

The questions asked by the audience included such as

- How to crack online assessment of product based companies
- Various queries about the interview rounds in various companies
- How to prepare for interview rounds for a particular company
- Regarding the importance of projects and internships and it's role in career development and placements
- About how the interview rounds have changed in this current pandemic situation
- How to achieve internships with higher stipend
- How competitive programming help one in problem solving
- The importance of computer programming and mastering it
- On how to decide between higher studies and placements

The outcome of the event was that all the students learned and cleared their doubts regarding placements and the speaker also motivated them for being successful entrepreneur and to take challenges and starting their own startups by stating his experience and guidance. The session also helped the students realize how important is computer programming when it comes to achieving the dream job. It enlightened the students about what they should do in future and that to be a successful programmer or a entrepreneur they need to begin right from the college days.



A good feedback was received from all the participants. All the students were thrilled to get the guidance from their favorite mentor Mr. Gaurav Sen. Participation certificates were also provided to the participants by the CSI-CRCE team. An active participation by the speaker, council members and the participants made the My Story-Landing a Dream Job And Living A startup Dream webinar a grand success!

MOULDING ENGINEERS WHO CAN BUILD THE NATION

Orientation of National Innovation and Startup Policy - NISP

Prof. Swati Ringe

- NISP coordinator
- Asst. Professor,
- Department of Computer Engineering
- Total industrial and teaching experience 25 years

6th January
Wednesday 11.00 AM

WEBINAR REPORT

Orientation of NATIONAL INNOVATION AND STARTUP POLICY(NISP) - 2019
DATE: 06/01/2021

IIC-FrCRCE at Fr. Conceicao Rodrigues College of Engineering, Bandra, Mumbai, conducted one webinar on orientation of "**NATIONAL INNOVATION AND STARTUP POLICY(NISP) - 2019**". It was conducted for creating awareness about NISP and motivational program for faculty.

Name of the event: Orientation of NATIONAL INNOVATION AND STARTUP POLICY(NISP) - 2019

Guest Speaker: Prof. Swati Ringe, NISP-Coordinator, FrCRCE

Date of event: *January 6nd 2021, 11.00-12.30PM*

Location of the event: *Online event via google meet*

Number of Faculty members attended: **49**

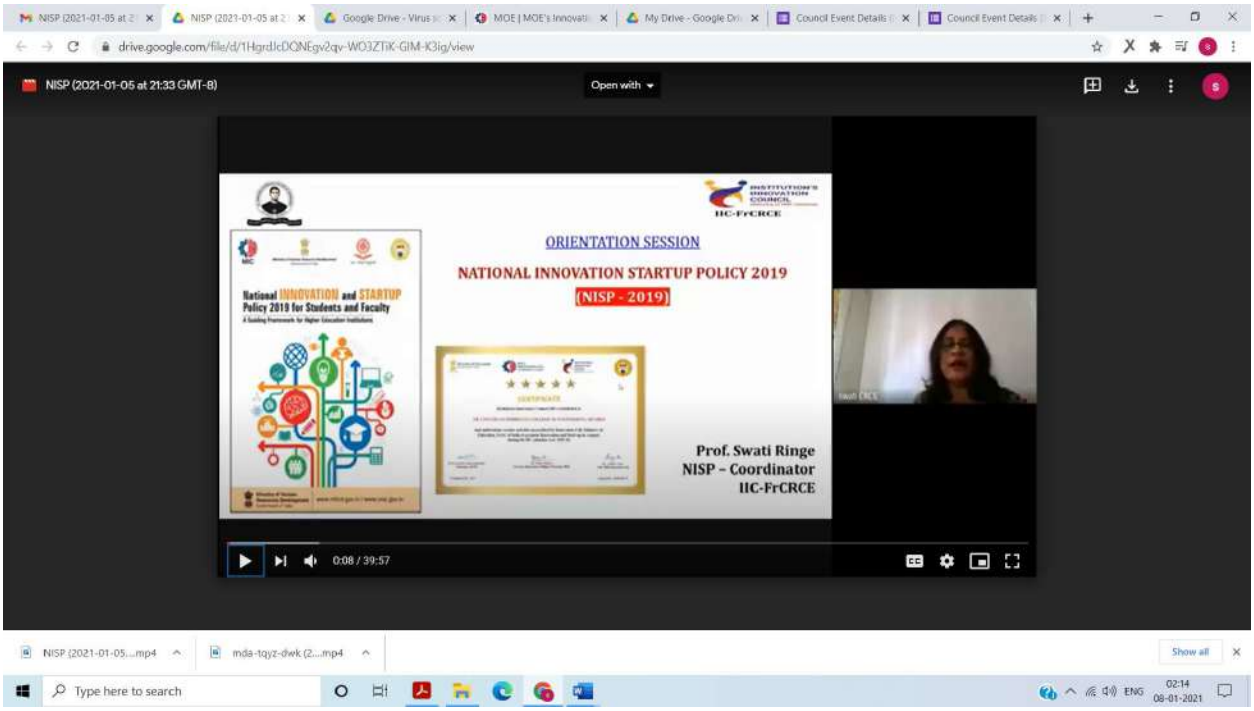
The event was organised for Faculty as the students were busy appearing for semester examinations.

The objective of this webinar was to create awareness among faculty about National Innovation and Startup Policy 2019 announced by Ministry of Education (MoE) with AICTE and motivate faculty to come up with innovative ideas with student teams resulting in startups.

All the faculty attended this webinar enthusiastically and benefitted with understanding of major key points of the policy like MIC initiatives, Major features and Thrust areas like Strategies and Governance , Norms for Faculty and students, Incubator/Pre-Incubator support, IP ownership rights for technologies developed at HEIs, Pedagogy and learning interventions for supporting innovation and startups, Performance Impact Assessment.

Participants are interacted with speaker after the session.

NISP Coordinator and team decided about next NISP meeting date to review the steps to be taken.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NISP (2021-01-05 at 21:33 GMT-8)
Open with
ORIENTATION SESSION
NATIONAL INNOVATION STARTUP POLICY 2019
(NISP - 2019)
Prof. Swati Ringe
NISP – Coordinator
IIC-FrCRCE
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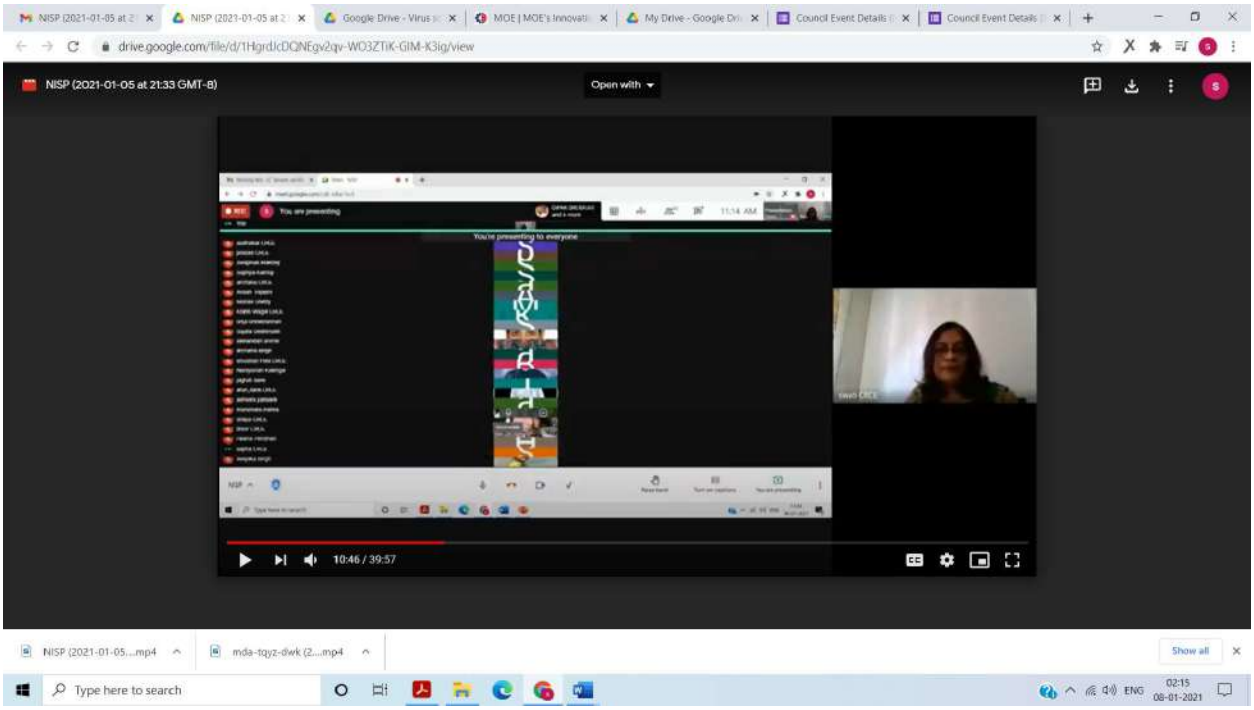
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10:46 / 39:57
Type here to search

Date: 20 November, 2020

Report on "Exploring the startup dream: Plan to execution" Panel Discussion

Student Alumni Committee of Fr. Conceicao Rodrigues College of Engineering, Bandra, Mumbai recently conducted a Panel Discussion event around the topic of Entrepreneurship with the theme "EXPLORING THE STARTUP DREAM: PLAN TO EXECUTION" on 20 November 2020 at 19:30 IST. Due to COVID-19 pandemic the session was conducted online through the Google Meet platform. The Panel Discussion was conducted under the guidance of the Alumni Association of Fr. Conceicao Rodrigues College of Engineering.

The audience consisted of not only our existing students, but also interested and enthusiastic Alumni and faculty members. There was a total of 58 participants including students, faculty and alums. The panelists for our event were our very own alumni who have been extremely successful in their various endeavors.

Objective:

The Student Alumni Committee was formed as a body under the umbrella of the Alumni Association of Fr. CRCE to better coordinate with CRCE alums across the world and to showcase the incredible achievements in their multitude of fields. The Alumni Association of Fr. CRCE is made up of our dynamic alums and the alums who are faculty members of the college with the objective being to serve as a bridge between the existing students and the thousands of alumni world-over. The Committee aims to do this by organizing interactive sessions, webinars, and connecting our existing students to the talents of our Alumni so that they may benefit from these experiences.

The theme of Entrepreneurship/ Start-up was selected in-order to give the existing students a chance to glimpse the workings of the startup world while also making them aware of the host of problems faced by aspiring entrepreneurs. The Committee's major goal was to connect students and alums and to allow them to interact and learn from these highly experienced panelists. This particular theme also plays into the "Make in India" vision of our hon. Prime Minister and presents a promising career choice for our young graduates to pursue.

Panelists and Moderator Description:

- Panelist 1 – Mr. Parag Doshi

He is a graduate of Electronics batch, 1992. As soon as he graduated from Fr. CRCE, he applied for Master's in Computer Science from University of Houston, Texas. He completed his post-graduation in the year 1995. Parag started his professional career in a startup company "Arrowsmith Technologies" in Austin, Texas. As per him, the biggest learning and the strong foundation in terms of technology as well as business has come during his two and a half years at this startup. After Arrowsmith, he led and delivered the first Open Manage Server Application that was shipped as a part of all Dell Servers. Having gained the education and experience in US, he moved back to India in 1997 to pursue entrepreneurship. As an independent consultant, he started leading the End User Application initiatives for Morgan Stanley for couple of years before co-founding Savex Softech in 1999. At Savex, he was instrumental in building and managing teams that developed web-based products and solutions for products in Indian Market as well as services for US-based clients. He later co-founded the offshore development center of Chenoa in 2004 and since then has been building technology and management teams that provide leading edge IT Services to clients in US and India.

- Panelist 2 – Mr. Girish Batra

He is a graduate of batch 1993, Electronics Engineering. Immediately after moving out of Fr. CRCE, he pursued Master of Management Studies from NIMIMS, Mumbai, Maharashtra, India. He is currently the Co-Founder of JumpStrat Business Consulting. He was the Co-Founder of Milgaya, Glocal Property Services, which is an innovative startup in real estate. He is a high energy leadership coach, mentor, and advisor to entrepreneurs. He is a trained Design Thinking practitioner. He speaks at various leadership forums and prestigious B- schools. He shares his leadership experiences in his book 'Experiments in Leadership'. He also engages with various NGOs to support them for different social causes

- Panelist 3 – Mr. Subhash Bishnoi

He is a graduate of batch 2016, Information Technology Engineering. After graduating as an IT Engineer, he started his career with a startup and has been working in the startup ecosystem for the past 4 years. He worked as a Software developer at GetFocus - Contextual Marketing through Retail Analytics. Moving on to the next startup, he worked as a Software Engineer at Moka. Currently, he is the Co-Founder of Kitabeli, one of the fastest growing social commerce in Indonesia. His expertise lies in building and developing products and then reiterating on them until they fit the market.

- Moderator – Mrs. Sayli Potdar

She is a graduate of batch 2012, Electronics Engineering. Soon after graduation from Fr. CRCE, she applied for Masters in Computer Engineering at The University of Texas at Dallas. She completed her post-graduation in 2014. She is currently the Founder of The Tipsy Canvas, Mumbai, Maharashtra, India. In her venture, they organize Art based events for various functions, corporate employee engagement and team building. She has done an Executive Program in Strategic Digital Marketing from UpGrad. She also, is a certified color therapy and emotional intelligence practitioner.

Panel Discussion Synopsis:

Despite the prevailing situation due to COVID-19 the Student Alumni Committee of Fr. CRCE managed to conduct an engaging Panel Discussion via Google Meet with keen and curious participants in the audience.

The event started with a greeting to all the participants and panelists from the Operations Head and event coordinator of the Student Alumni Committee of Fr. CRCE, **Ms. Mareena Fernandes.**

After brief introductions and formalities, the moderator **Mrs. Sayli Potdar** kicked off the panel discussion by asking the panelists about a host of different topics including their experiences with building successful startups, the process they followed for generating and incubating ideas and their outlook on the startup culture and challenges faced in an ecosystem like India. The diverse backgrounds of our panelists and their multiple start up ventures served to make the discussion an all-round one with multiple perspectives and ideas shaping the responses of the panelists. Several fundamental concepts such as fund generation, expansion plans etc. were also discussed with participation from students as well as faculty members. The speakers were also determined to mention the mistakes made by them along the way and provided possible solutions and alternatives to avoid making the same errors.

The event ended with a question and answer round where the audience posed their questions before the panel. The panelists patiently answered all the questions ranging from “what is the right time to start a company” to the various methods used to accumulate funds.

A formal vote of thanks was delivered by the committee head **Mr. Cyril Varghese** thanking the panelists and the audience thus concluding the event.

Responsibility handled by the Organizing team:

Name	Position	Responsibility
Cyril Varghese	Alumni Head	1. Setting up the platform for the event 2. Delivered Vote of Thanks 3. Student feedback collection
Mareena Fernandes	Operations Head	1. Panelists and moderator arrangement 2. Event coordinator 3. Delivered Introduction 4. Google registration form set up 5. Coordinating and updating the audience, panelists and moderator over WhatsApp
Palak Joseph	Jr. Social Media and PR Head	1. Social Media posters 2. Drafted PR messages

Conclusion:

Overall, the event was a great success with several quality discussions around the main topic and plenty of questions asked and answered. The audience as well as our Student Alumni Committee and Alumni Association of Fr. CRCE team is immensely satisfied with the success of this Panel Discussion Event. We tried to incorporate several frequently asked questions about the startup world in the discussion and we found our audience to be quite happy with the response and advice given by the panel.

For future events we hope to reach out to more students from college and various other Alumni willing to associate with the us and build up an engaging and active community within the institute as we look forward to bringing more such discussions and organize more interactive sessions.

Audience Feedback:

“The event was highly engaging and the choice of panelists was great! I personally liked that the discussion revolved around the personal journeys of the panelists rather than a generic advice-giving speech. Well organized and good choice of questions!” - Soumil Mahajan, Production 2020

Report prepared by Ms. Mareena Fernandes,
Operations Head, Student Alumni Committee Fr. CRCE

Alumni Association Of Fr. CRCE

PARAG DOSHI
BE ELECTRONICS' 92

Director, Chenoa Information & Software Services Pvt. Ltd.

GIRISH BATRA
BE ELECTRONICS' 93

Co-Founder, JumpStrat Business Consulting

SUBHASH BISHNOI
BE IT' 16

Co-Founder at KitaBeli

SAYLI POTDAR
BE ELECTRONICS' 12

MODERATOR

Founder,The Tipsy Canvas.

Panel Discussion Topic- Explore the startup dream: Plan to Execution

07 :
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Proofs of workshops/Seminars organized on Research Methodology, Intellectual Property Rights (IPR) and Entrepreneurship (2019-20)

FIELD VISIT REPORT

1. Overview & Details

Type of Industrial Visit (IV)	Staff and students Field visit organized by IIC 2.0 Fr. CRCE
Overview of Company / Industry & Domain	Marine & Industrial Controls & Automation (MICA) Laboratories 102, Arenja Chambers II, Sector-15, CBD Belapur, Navi Mumbai, Maharashtra, India – 400614.
List of Resource Persons / Industry Experts	Mr. Akshay Paul, Director – MICA Labs Mr. Vishal Salvi – Sr. Engineer, MICA Labs Mr. Shoaib Aslam – Application Engineer, MICA Labs
Day, Date & Timings	Full day visit on Saturday, 21st September2019
Participating Staff Members	• 15 students • 04 teaching Staff Members
Organization Faculty	Supriya Kamoji, Assistant Professor Department Of Computer Engineering
Facilities Visited	Industrial Automation, Process Control & Internet of Things (IoT)
Objective of Field Visit	Technology is advancing so rapidly that it is quite a challenge to catch up to it. With hundreds of thousands of engineers graduating from the universities and the great potential in India's industries to promote automation and the latest technologies resulting in a more efficient production process. MICA Labs is that bridge that leads these driven engineers to talent hungry industries.
Relevance to Subjects	• Electronic Instruments & Measurements (EIM) • Electronic Devices & Circuits – I & II (EDC – I & II) • Design with Linear Integrated Circuits (DLIC) • Instrumentation System Design (ISD) • Internet of Things (IoT)

2. Brief Description

With a view to bridge the curriculum gap & introduce the students to more practical aspects for their courses, this industrial visit was organized by IIC 2.0 Fr. CRCE primarily focusing on acquainting the students and faculty with latest & recent advances in Industrial Automation along with their practical applications in core electronics engineering industry. By observing the real-life application processes in industrial automation, instrumentation, process control & Internet of Things (IoT), this industrial visit was aimed at equipping the students and teaching staff members with a real-world view about various latest technologies used in the core industries. It also helped them to be acquainted with the latest technological advancements happening in the field. During the course of the visit, the staff members were benefitted with various practical aspects of the domain, which were not covered on a theoretical ground level.

3. Welcome & Introduction

MICA Labs is a training division of Akshay Controls & Systems Pvt. Ltd. a company with over 20 years of experience in the marine controls and automation field. The labs and courses have been modelled by skilled engineers and designed with the latest technologies in the industry. Akshay Controls & Systems Pvt. Ltd. (ACSPL) is a Mumbai based ISO 9001:2000 marine electronics company focused in the areas of marine controls, automation and instrumentation. Their expertise in repairing and redesigning of marine control and automation systems keeps the ships running. They are specialized in design, development, installation, retrofit and commissioning of integrated marine automation and control systems. They provide specialized retrofit up-gradation solutions for all types of vessels with the help of skilled technicians and adaptable software. ACSPL provides calibration and certification of all marine automation systems and equipment like MMC & UTI Tapes, electrical instruments etc. Their talented R & D, design & service engineers are specialized in marine electronics are dedicated in providing customer satisfaction in true terms.

Staff Members and students present during Introduction & Welcome talk by Mr. Akshay Paul

4. Advances in Industrial Automation

Mr. Akshay Paul initiated the proceedings by introducing the staff members to the company, the domain specialization & the kind of products & services which the company offered. He gave a brief presentation on the history, current & future trends of industrial automation along with its importance for the core electronics engineering stream. Mr. Shoaib Aslam spoke on PLCs, SCADA, DCS & HMI while Mr. Vishal Salvi covered Internet of things (IoT) & explained the concept of Industry 4.0 & its various standards. Overall the students and staff members seemingly benefitted from these rich & diverse inputs from the industry experts which was beyond the curriculum & also interesting since some live practical demonstrations were also displayed using modern automation tools.

Advances in Industrial Automation by Mr. Shoaib Aslam, Sr. Engineer (MICA Labs)

PLC, HMI, DCS & SCADA by Mr. Shoaib Aslam, Sr. Engineer (MICA Labs)

Field Visit Organized by IIC 2.0 Fr. CRCE

Fr. Conceicao Rodrigues College of Engineering, Bandra (W) Mumbai –

5. Facilities Visited

1. Main Engine & Auxiliary Engine

- Design, installation & servicing of Safety & Protection systems of Main & Auxiliary Engines
- Main Engine maneuvering and Pneumatic Logic Control Systems servicing & overhauling
- Main Engine & Auxiliary Engine speed monitoring and control systems
- Exhaust Temperature Monitoring systems on Main and Auxiliary engine

2. Main Engine Steering Gear Control

- Complete steering gear control system overhauling
- Remote Electric control and monitoring
- Alarms & Rudder angle indicator services

3. Boiler System

- Automatic combustion control system (ACC)
- Boiler steam pressure control system
- Feed water control system
- Boiler safety & shutdown circuits
- PLC, SCADA, DCS Based Control System Integration & Services

4. Inert Gas System & Generator

- Complete Overhauling & Repair of Inert Gas Systems.
- Inert Gas Oxygen Analyzer
- Inert Gas Generator Furnace Control
- Inert Gas Pressure Control & Control Valve Calibration/Stroking
- Inert Gas Oxygen & Pressure Recorder

5. Engine Room Alarm Monitoring Systems

- Servicing & Overhauling of All Leading Brands Engine Room Alarm Systems
- Electronic Circuit Board Repairs
- Testing & Calibration of Field Sensors
- Cabling & Termination of Alarm Monitoring Systems
- PLC, SCADA, DCS Based System Integration & Service

6. Fire Alarm Systems

- Service & Calibration of All Leading Brands
- Supply & Repairs of Sensors, Calling Points, Alarm Bells etc.

7. Impressed Current Cathodic Protection (ICCP)

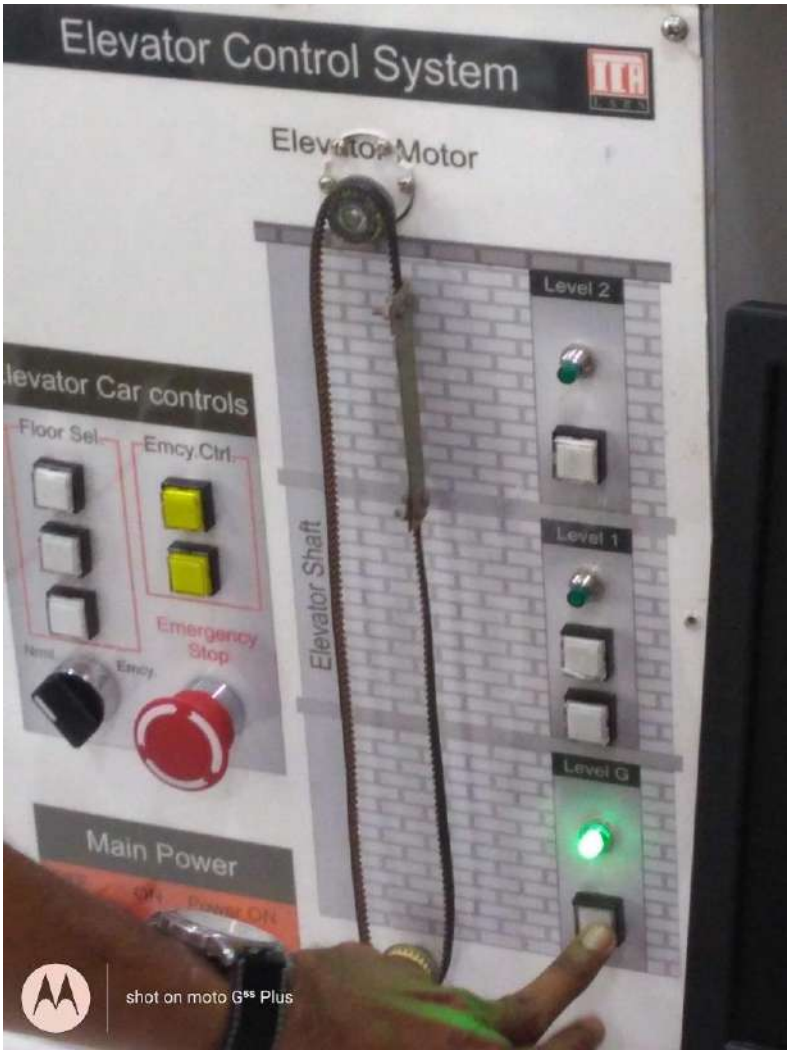
- Installation & Termination of New Electrodes
- Complete System Testing

8. Cargo Oil Tank Gauging System

- Service & Calibration of Tank Level, Tank Pressure and Tank Temperature Multi Monitoring Systems of All Leading Brands
- Servicing of Intrinsic Safety Barriers and Equipment
- Cabling & Termination of Field Sensors

9. Oil Discharge And Monitoring Equipment (ODME)

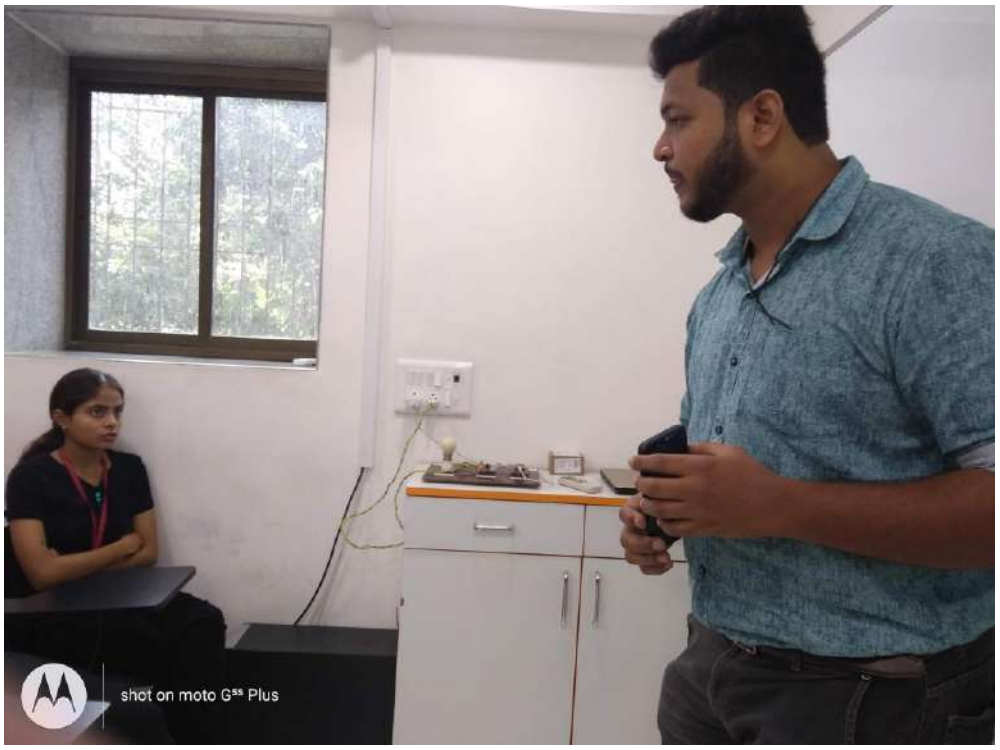
- Complete Overhauling & Repairs of all Leading ODME Brands
- Calibration & Certification of ODME Measuring Cell
- Fully Equipped Service with Spare Supply

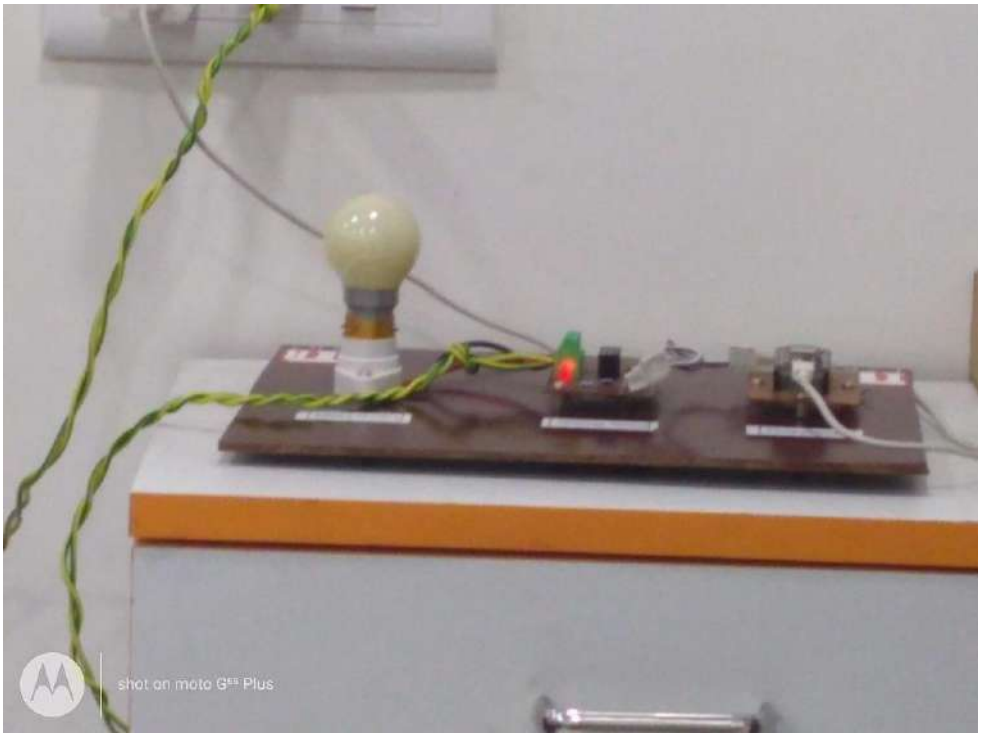


Demonstration of Programmable Logic Controllers (PLC) & their Applications

Introduction to Process Valves used in Instrumentation & Process Control

Operation of Distributed Control System (DCS)





Demonstration of Internet of Things (IoT)

6. List of Participating Students and Staff Members

NAME OF STUDENT and STAFF MEMBERS	DESIGNATION
1. Prof. Supriya Kamoji	Assistant Professor
2. Prof. Prajakta Bhangale	Assistant Professor
3. Prof. Prachi Patil	Assistant Professor
4. Prof. Dipali Koshti	Assistant Professor
5. Mayank Mishra	Student
6. Ankit Jha	Student
7. Anjana Singh	Student
8. Mahesh Babar	Student
9. Ricky Stanley	Student
10. Swaroop Raste	Student
11. Jagruti Bhanushali	Student
12. Mamta Saini	Student
13. Yash Kumar	Student
14. Sheryl Serrao	Student
15. Allen Xavier	Student
16. Mahavir Chavda	Student
17. Meet Bhalgamiya	Student
18. Tanisha Braganza	Student
19. Sameeksha Rane	Student

Mrs. Supriya Kamoji
Assistant Professor
Department of Computer Engineering
Fr. Conceicao Rodrigues College of Engineering

IIC-Fr.CRCE Bandra

Report of Session on

Fr. Conceicao Rodrigues Memorial Synergy Hackathon Report 31st August 2019

Seminar Schedule/Session Plan:

Sr.No.	Date and Time	Contents
1.	31 August 9.00AM-9.00PM	Innovations in the problems for the applications that are web based and mobile applications.

Banner of the event

Seminar Report:

On 31st August 2019, Fr. Conceicao Rodrigues Memorial Hackathon, “Synergy Hackathon” was held. Hackathon’s give Student developers an opportunity to come together, work collaboratively, tackle problems, and compete for fame and glory. The primary goal of this event was to raise awareness of technical talent and foster a competitive, yet cooperative, and congenial culture for talented individuals. It also allowed participants to connect with Industry personnel’s, faculty mentors, and most importantly, with each other.

Planning: ThePlanning for the Hackathon was started at the start of semester in June 2019. An internal call for sponsors was sent out which was approved by the management, confirming funding for food and refreshments, logistics and Prize money. An external call was sent out simultaneously to corporate partners for their association in any form possible. Problem statements and availability of judges from industry were confirmed.

Event Publicity: A Public Relation team was appointed which were divided into smaller teams that covered different classes. Posters were put up on notice boards and students were briefed about the registration process. Social Media platforms like Twitter, Facebook and Instagram were used to advertise about the Hackathon. As a result of effective publicity we received a whooping 50 plus registrations from across different colleges under Mumbai University.

PROBLEM STATEMENTS:

1. Euphoria App: Android application for the management of various events carried out during Euphoria. App should show all event cards with details like time, venue, participation points, deadline for registration. User should have registration and login his profile that includes his Name, Roll No., Class and password(for login). User should be able to register for any event before the registration deadline time. A volunteer stakeholder access where users who show up and participate for the event can be marked and judged on various criteria by the judges for the event. A separate admin portal that can access all the details above using the linked database. The end of each event should display the total points for a class including participation points and winning points(if any).

2. Database of Project Reports: A website where students from all departments can upload for their projects, a report, a presentation, a link to a video working model of the project and github repository, tags for keyword categorization of the technologies they have used whether research paper was published(Y/N). Landing page should show 4 major clickable domains (i.e. Web Development, Machine Learning, DSA, IoT). Website should have option to sort the projects based on academic year, department and score assigned to the project by the professors. Website should also have a feature to search for projects based on keywords (eg.' Machine Learning' should show up all projects done in the domain by various students). Clicking on a project title should show options to see report, ppt, video or code. Admin should be able to generate report for any department and class that would show names of students, project topic, project domain and whether research paper was published(Y/N).

3. Facial Recognition using Machine Learning: Construct a machine learning model that is trained using images of faces of celebrities and tagging features like hair(straight, curly, wavy, long, short, colour, etc), nose, ear, eyes, face shape, etc (features to tag upon can be anything you deem is useful and make the model more accurate). A user screen where the user can select various features of a person they want to look up and the model automatically shows up accurate images that match the description. The prospect of this problem is in criminal recognition and removing redundant sketch work. For the purpose of judging, celebrity pictures should be used. Minimum training set should consist of 1,000 images.

Event Timeline: On receiving 50 plus registration, the short listing process was initiated which included scrutinizing teams profile followed by a technical interview. Later the teams were reduced to top 30 teams and five back up teams, the results along with the Three problem statements were

announced.

Check in for participants started at 8am on Saturday, 30th August 2019. Our Program began with a Speech Given by our dignitaries which was very enlightening and encouraged all the students to put their best in everything that they do and wish to do. Prof Mahendra Mehra, Event Coordinator addressed the gathering about the event schedule and various contest to be held in between.

Mentoring sessions were arranged before the start of coding which included internal faculty mentors. Students programmed non-stop from 10am to 7:00pm, there was a round of evaluation where top 6 teams were shortlisted followed by their presentations. Top performers in each problem statement were given prizes by our industry expert.

Winners: Problem statements ranged from an app (event management app for college programs) to face detection and identification based on features using Machine learning, and a project management portal for students, Judges scored solutions creativity, technical depth, challenge of doing the task in a short amount of time, and usefulness in the real world.

Winners of the Hackathon for given problem statements in order were:

1. Nehal Kalnad and team
2. Pranay Lobo and team
3. Mehek Male and team
4. Darlene Nazareth and team

Social Media Coverage: We leveraged Twitter, Instagram and Facebook for publicity and sourcing insights, publishing photographs and commentary throughout the entire event. These were done by an official IIC-FrCRCE instagram and @CrceCode. Organizers and student participants also chimed in with their own tweets and thoughts about the event under the hashtag **#hackathon #Synergy2K19 #frcrce** . The whatsapp group was used as a backchannel of conversation, allowing organizers to learn about common problems (internet issues) and also announce food arrivals and other logistical notifications to participants who may have stepped away from the Hackathon venue. The account and tweets were followed / retweeted by students, Fr.C.R.C.E Social Media and sponsors. This helped others around campus follow the event without being there.

Infrastructure: Samvaad on 9th floor venue was arranged to place all the teams with comfortable seating. Care was taken to anticipate heavy wireless usage, and guest wireless passwords were provided to all the participants. Power strips and extension cords were made available for power access. Students also had the option of resting by taking power naps in the designated rest areas for male and female students.

Acknowledgements/Personnel

The round-the-clock event required significant personnel. We would like to thank everyone involved in the Hackathon.

Event Coordinator: Dr. D V Bhoir and Prof. Mahendra Mehra (Assistant Prof, Computer Engg Dept).

Organizers team: Entire students team of Students' Council.

Lab Assistants: Mr. Ajay Koli.

DISCIPLINARY RULES :

● Results of the round will be announced after all presentations are reviewed by the judges.

● Experienced mentors will be present to guide students and help them with any doubts that may arise.

● Additional rules may be declared on the day of the event. All participants must adhere to the same.

● No participants and committee members will be allowed to leave the premises during this time period. GENERAL RULES :

● The participating teams must seat themselves only at the desk allocated to them.

● A maximum of 50 teams will be participating in the Hackathon, numbers exceeding that will undergo a screening phase as decided by the teacher in charge. ● A team should have 3 participants.

● A maximum of 20 teams will be allowed to pick the same problem statement on a FCFS basis.

● Teams can start working on their Priority 1 statements asap. In case of ambiguity above, Team Leader will be informed.

● Participants must bring their own fully charged laptops, chargers and internet provisions.

● It is mandatory for each team to carry AT LEAST ONE spike guard / extension cord.

● The college as well as the organising committee will not be responsible for any stolen or damaged personal belongings. Each participant is accountable for his/her own possessions.

● Consumption of alcohol and/or smoking on the premises of the event will lead to instant disqualification of the offender's team

● Participants found guilty of damaging college property must pay appropriate fine for the same.

● All participants are requested to declare any health issues to the organisers before the start of the event and must carry the requisite medication for the same.

● Any team not complying with the rules and causing any kind of chaos shall be disqualified at the organiser's discretion and may be asked to vacate the premises with immediate effect.

● The decision of judges and Synergy Hackathon managing committee on matters including but not limited to qualification for the main event will be final

TECHNICAL RULES :

● The participating teams must select any one problem statement to work on and should

develop a viable software solution for the same. (Mobile Application and/or Desktop Application and/or ML model and/or Website and a presentation explaining their solution).

● Participants can use freely available servers/ their own servers for developing and/or presenting their product.

● Coding time will be strictly 9 hours.

● Evaluation criteria will include o Novelty of the Idea

o Complexity and Clarity

o Feasibility, Practicability, Sustainability

o User Experience and potential for future work progression

Timeline:

28th August, 2019- Registration Closes

31st August, 2019: 8:30 am- Reporting time

9:00 am- Coding starts

1:00 pm to 1:30pm- Lunch Break

4:00 pm- Mentoring Round

+ 1st judging round 6:30 pm- Coding Stops, PPT contriving begins

7:00 pm- Final judging round begins

Feedback from Students:

Some feedback which we received from the teams who participated “Great organization”. It was a great opportunity to learn, meet peers, and network with professionals" said one student. The organization of the event again rated highly, a 4.5 on 5. The choice of location, Samvaad and the view of Bandra-Worli sea link from the Terrace area was a great attraction for all the participants. In terms of impact of publicity, 40%of respondents heard about the Hackathon from the social media platforms, 60% from the posters over campus .When asked "What did you like about this event?”. Several students appreciated the spirit of energy and fun at the event.

Report on One Day on Problem Solving/ Design Thinking/ Ideation Workshop etc.

Date – 23/09/2019

Time – 1:30 pm onwards

Number of Participants – 90

Number of Faculty members – 10

Speaker – Mr. Garvit

Mr. Garvit who is an experienced trainer in Robotics and has been at various IIT campuses across India graced the occasion. He introduced himself and immediately began with the session.

He very keenly tried to understand the student's idea or definition about Robotics and the fundamentals of it. While introducing the students about the same he brought IOT into picture. He gave substantial importance on IOT based projects and hence started with the topic Arduino. He started with the basics of Arduino which included – circuit diagram, pin diagram, peripherals, general applications etc. He also tried to incorporate the examples of IOT projects in IIT Bombay which made the session interesting. He also talked about a typical line-follower and its details. He gave a brief explanation about the importance of innovative projects in the IOT domain and its future in India. This instilled the values of innovation in the students to a very good extent.

Students Feedback:

The students were pumped up with enthusiasm after having a look at the various innovative applications being carried out with the simplest of things. They also got their basics cleared which would indeed help them in their future ventures.

Banner:

Techfest
3rd - 5th January, 2020
INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of HRD Initiative)
TECHNO ION
TECHNORIAN WORKSHOP
BY TECHFEST IIT BOMBAY ZONAL MUMBAI
in collaboration with
IIC 2.0 – FRCRCE
Techfest is expanding its reach by conducting Technorion, its Zonal competitions
COME BE A PART OF THIS EXCITING TECHNORIAN WORKSHOP!
23rd September 2019 | 1:30 pm onwards | Samvaad Auditorium
Mehek Maley : 9773784725
Reyna Binny : 9930548047

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING

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

SOFTWARE DESIGN WORKSHOP

Monday 23rd September 2019,

Fr. CRCE, Bandra:

Software design is the process by which an agent creates a specification of a software artifact, intended to accomplish goals, using a set of primitive components and subject
to constraints. Software design may refer to either "all the activity involved in conceptualizing, framing, implementing, commissioning, and ultimately modifying complex systems" or "the activity following requirements specification and before programming.

The software design workshop was taken by three professional members namely, **Mr. Prajish Prasad, Senior PhD student at IIT-B;** Mr. Bhupendar Singh, final year student pursuing BEIT and Ms. KinnariGattare, research assistant at IIT-B. The workshop was divided in two slots, 9am to 1pm and 1:30pm to 5:30pm. Total of 103 students attended the workshop from BE-IT and BE-Computers. The students were briefed about the software designing techniques and its advantages.

First, there was a pre-test assessment, based on class diagrams and sequence diagrams. Then they had to use the web application, VeriSIM. A tour of the website was given so that the students would not have any issues with the user interface. It had various challenges (problem solving) based on problem understanding, design tracing and reflections. Followed by a short quiz. Points were allotted for correct answers. A post-test assessment was also given to students to test their skills after the workshop. The test was followed by a short group discussion where they got to clear their doubts and strengthen their concepts regarding Software Designing.

It was a good workshop for beginners to understand the UML diagrams part of Software Engineering/Software Design. All the students who attended the workshop were provided certificates by IIT-B. The overall event was conducted with ease and excellence.

The Following members coordinated the event to make it successful.

Rebecca D`souza Prajakta Dhamanskar
Chinmay Gawde (Faculty In-charge)

acm Chapter
IIC-FrCRCE
Proud Member of MIC
ACM FRCRCE
PRESENTS
SOFTWARE
DESIGN
SPEAKER
PRAJISH PRASAD
DOCTORAL RESEARCH SCHOLAR
IIT BOMBAY
23 SEPTEMBER • 9:00 AM-1:00PM
VENUE: 710 LAB(7TH FLOOR)
WORKSHOP BY
IITB

Report of Webinar Session on Entrepreneurship and Innovation as Career Opportunity

The webinar organized by MHRD's Innovation cell was a live session of Entrepreneurship and Innovation as Carrer Opportunity talks by Apoorva Mulani,Head of Human Resources Popshot, was an exceptionally brilliant and truly inspirational program.

Name of the event: Entrepreneurship and Innovation as Carrer Opportunity by Apporva Mulani.
Date of event: 25th September *2019, 1.30 to 3.30 PM*
Location of the event: *Samvaad hall of CRCE College*.
Sponsoring organisation: *MHRD Innovation Cell (MIC)*
Anchoring of the event: Yash Kane,Head of IIC COUNCIL.
Total number of students attended: 144
Total number of Faculty members attended: 3

Webinar Summary

On September 25th 2019, an informative and helpful webinar on Career Opportunities talks Apporva Mulani**, Head of Human Resources in Popshot,** was organized by IIC-FrCRCE at Fr. CRCE College in Bandra. The objective of this webinar talk series is to learn from the enterprenur to get success in life. In this connection, Faisal Khan was the second speaker invited. MHRD invited questions from students of different institutions all over India and over 2300 questions were received which were compiled and put under various categories.

The talk was well received by the students and teachers alike. The objectives of MIC for organizing the event can be said to be achieved due to precise answering of some of the important questions dealing on issues like:-

1) Dealing with failure.
2) Qualities for becoming a Entrepreneur.
3) Encouraging innovations and entrepreneurs.
4) Balancing life and work
5) Importance of competition, etc.

The questions that were asked are as follows:

Question 1: How does Apoorva Mulani manage his lonely life as an entrepreneur?

One of the first topics that were spoken about was how Apoorva Ma'am balances her entrepreneur life and her passion to changing the life.She stressed that there is no substitute to hardwork. One should constructively use the time they have. She mentioned that teamwork is important to achieve one's goals in the most effective way. Giving his own example Apoorva Ma'am talked about how she works for the larger part of the day and how her entrepreneurl life inspires his everyday new life.

Question 2: How can student's opinions be considered more in terms of entrepreneurs life?

When asked about his views on how students are rarely consulted regarding the entrepreneurs life, Apoorva Ma'am emphasized on the importance of engagement of talent with your work, how it is the backbone of the your life. She spoke about how important it is to incorporate old traditions with modern sciences and focusing more on your goal. Apoorva informed about new Entrepreneur life in talk, that will encompass the views of everyone involved in enterprenurs lonely life, where morals, values and skill development will be focused on rather than just textbook learning.

Question 3: How can an entrepreneurial mindset be promoted in the country?

Next, Apoorva Ma'am highlighted on the importance of creating an entrepreneurial mindset and environment in the country. She reminded us through various examples that what India lacks is not potential, but resources. She told us about how the government is working towards changing that by focusing on developing a more computational thought process in students through new education schemes. She talked about how essential it is for students to choose an education course of their interest and start working towards their goal from a young age.Apporva Ma'am told us how our new enterprises new life everyday enable students to use their skills to provide for what the industries need.

Question 4.Which properties and characteristics are involved in an Enterpreneur ?

Enterpreneur care about time,money and vision of dream.Whole world is not considered about Enterprenurs are lonely in life.Enterprenur has dream to passion to love work.World is not believe on enterprenurs. Everyday new problem is facing, Creative thinking,Reading a lot of books,break your comfort zone,go ahead ,break the fear, Greatness is fully dependent on yourself.

Question 5: What advice would Apoorva Ma'am give to students in regards to handling failures?

An important topic Apoorva Ma'am spoke about was handling failures in life, especially now when we hear numerous reports on student suicides. The respected minister provided us with a fresh perspective on failures saying that you never fail,

you either succeed or you learn. She told us that what is important is working hard, having a clear goal in mind, staying focused and being on a righteous path. She said that failure doesn't change who you are. Your hardwork, perseverance, and your acquirements from your past failures always stay with you and therefore don't look at failures as end of the world. She urged students to have the power and potential to put their innovative ideas into motion.

Overall, Apoorva Ma'am gave a very informative and enlightening talk session that was very well received by our audience here at Fr. C.R.C.E. The students not only learned about the entrepreneurs life and it's struggling to get successful that directly concern them but also about some skills and values to lead their lives. Conclusively, the students attending found the talk session motivating, inspiring and educational among other things.

Banner:

Product Development Phases- Story Telling
(Innovators in Campus)

1st October 2019

Fr. CRCE, Bandra:

In today's market careful planning and a good product strategy are essential to help you succeeding in the market. Companies everywhere are competing more than ever to develop new and unique products or services and gain a higher position in the market. Companies develop a high number of new products every year. Most of these products fail to secure competitive advantages and end up being just another high cost for the company. Innovation is a must if you want to continue competing in the market. However the new product development is one of the riskiest processes that require focus and high investments

The workshop was taken by our own Alumni who has established his own business, Mr. Ayush Jain, Director, UTOPIA TECH PVT LTD. The workshop was conducted successfully on 1st October, 2019, from 1:30pm to 3:30pm in Samvaad Auditorium. Total of 109 students attended the workshop from SE-IT/COMPS/ELEX/PROD. The students were briefed about current industry requirements, how to approach while working on a 'start-up', how to build ideas for it by facing certain competitions.

After one and half hour session, there was question and answer session in which students asked many different questions and cleared their doubts by personally communicating with the speaker.

All the students who attended the workshop were satisfied by the speaker's guidance. The overall event was conducted with ease and excellence.

Rebecca D`souza (Vice- Chairperson)	Chinmay Gawde (Secretary)	Prajakta Dhamanskar (Faculty In-charge)

MHRD- Institute Innovation Council 2.0- Fr.CRCE (Mumbai)

Student Feedback

Session topic – Product Development Phases

Date: 01/10/2019

Speaker – Mr. Aayush Jain, Director, Utopia Tech Pvt. Ltd.

Time: 1:30-3:30pm

What participant has learned from the session. Share your experiences. (150 words):

The session was very good We learnt about how startups can make a vision turn into reality thus making a difference We learnt the basics of how to make a product and launch it in the market We also got an experience of how companies work and choose products We also had a few anecdotes shared which made us aware of the world outside We are sure this will benefit us. Hoping to have more such innovative sessions in the future Thank You!

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MHRD- Institute Innovation Council 2.0- Fr.CRCE (Mumbai)

Student Feedback

Session topic – Product Development Phases

Date: 01/10/2019

Speaker – Mr. Aayush Jain, Director, Utopia Tech Pvt. Ltd.

Time: 1:30-3:30pm

What participant has learned from the session. Share your experiences. (150 words):

In the age of industry 4.0 where subjects like IOT and data analytics are taking over the conventional markets, subjects like core mechanical and electronics are loosing its foothold. So there's an immediate need of upgrading the typical technical subjects and gear up for industry 5.0 i.e. Internet of People. There is an immense need right now to upgrade the typical electronic devices to smart electronic devices. The upcoming industry needs to be prepared for the change or shift in the conventional field and equip ourselves with smarter technology. An entrepreneurship based upon conventional sources require innovative solutions and they should align themselves with conventional companies like honeywell and seimens so that the productivity of scheme gets aligned with the interests of the companies and the startup has a nice start to it.

Sopharshi Chatterjee
SE ELEX

MHRD- Institute Innovation Council 2.0- Fr.CRCE (Mumbai)

Student Feedback

Session topic – Product Development Phases

Date: 01/10/2019

Speaker – Mr. Aayush Jain, Director, Utopia Tech Pvt. Ltd.

Time: 1:30-3:30pm

What participant has learned from the session. Share your experiences. (150 words):

It was a soothing experience. A lot to learn about the current industrial events happening and the manufacture of certain products related to the electrical field. It also highlighted the ideas about how to approach while working on a "start-up", how to build ideas for it by facing certain competitions apart from academics. Sir also informed that it is important to work on some serious projects which will help build his/her resume.

Overall a great experience!

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MHRD- Institute Innovation Council 2.0- Fr.CRCE (Mumbai)

Student Feedback

Session topic – Product Development Phases

Date: 01/10/2019

Speaker – Mr. Aayush Jain, Director, Utopia Tech Pvt. Ltd.

Time: 1:30-3:30pm

What participant has learned from the session. Share your experiences. (150 words):

I got to learn how are products sold after starting with absolutely nothing to a efficient and a customer accepted product.
We What are the steps involved in productization? These things I got to learn.
Also, I learned the concept of manufacturing and that too on a large scale with skilled manpower, how it everything works.

MHRD- Institute Innovation Council 2.0- Fr.CRCE (Mumbai)

Student Feedback

Session topic – Product Development Phases

Date: 01/10/2019

Speaker – Mr. Aayush Jain, Director, Utopia Tech Pvt. Ltd.

Time: 1:30-3:30pm

What participant has learned from the session. Share your experiences. (150 words):

We got to learn about smart systems, and startups.
This was a very informative session.
We got to learn about industries, and their requirements.

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

Report on ICAC3-2019

(20th Dec 2019-21th Dec 2019)

The International Conference in Computing, Communication and Control (ICAC3) is a Biennial Conference organized by Fr. Conceicao Rodrigues College of Engineering, Bandra, Mumbai, India. The Sixth Edition of the Conference was conducted on December 20-21,2019. The previous five editions of the Conference were organized in January 2009(In cooperation with Association for Computing Machinery (ACM), January 2011 (Springer), January 2013 (Springer), April 2015 (published in Procedia Computer Science and uploaded on Science Direct) and December 2017(IEEE) respectively. ICAC3 is a multidisciplinary conference whose primary goal is to promote research and development activities in Computing, Communication and Control in India and the rest of the world. The Conference also aims to offer a collaborative platform for the people in Academics, Research and Industry to address emerging issues and solutions in the above mentioned areas. Around 160 papers were received of which 88 papers were selected and presented at ICAC3-2019. The papers spanned from areas like Artificial Intelligence and Machine learning to Control systems. All the accepted and presented papers will be published in the IEEE Explore Digital Library.

The Conference began with an Inaugural ceremony which was graced by Chief Guest, Mr. George Menezes, Chief Operating Officer, Godrej Electricals, Guest of Honor, Dr . S.V. Kulkarni, Professor,IITB, Director Rev. Fr. Valerian D'Souza and Principal Dr. Srija Unnikrishnan. This was followed by a well-delivered and informative Keynote Address by Dr. Shravan Hanasoge, TIFR on "The exciting applications of machine learning in science". The address was well appreciated by the audience consisting of delegates, faculty and students. Post-lunch , the paper presentations commenced in three venues . Each session was chaired by 2 session chairs who were chosen according to their area of expertise. The Conference saw delegates, both National and International, enthusiastically present their results and having interesting question-answer sessions both with the session chairs as well as other fellow delegates. Day two of the conference also had multiple sessions spread across multiple parallel venues. Presentations using Skype was facilitated to some delegates.

The Conference received a grant from AICTE and had sponsors like CollegePond-Educational Consultants and Around the globe holiday. Three best paper awards were announced at the end of Day 2 after consolidating the points awarded to papers by the session chairs.

Mr. Gaurav Patel from NIT, Raipur received the best paper award (First Position) while Christo Thomas from Fr. CRCE, Mumbai won the second prize.The three position was shared by Mr. Sanjeev Ghosh, Fr. CRCE and Mr. Misbah Khan from FrCRIT , Mumbai. Certificates and cash prizes were given away to the winners.

In conclusion, ICAC3-2019 was conducted successfully , retaining the stringent selection ratio to present quality work and managed to hold brain –storming sessions to contribute to the field of Research.

CENTRALIZED INDUSTRIAL VISIT REPORT

IIC-FrCRCE 2.0

CHANDIGARH & HIMACHAL PRADESH FROM 27TH DECEMBER 2019 TO 4TH JANUARY 2020

1. Overview & Introduction

The much-awaited annual industrial visit of Fr. Conceicao Rodrigues College of Engineering, Mumbai took place with a centralized conglomerate of staff & students to Chandigarh, Shimla & Manali from the 27th December 2019 to 4th January 2020 with proposed industrial visit sites scheduled at Rajiv Gandhi Information Technology (IT) Park at Chandigarh, Micro Turners Group at Baddi, (H.P.) & Jay Bee Transformers at Panchkula (Haryana). The industrial visit was organized by the technical councils of the college viz. IIC-FrCRCE, IEEE-WIE, ASME, ACM & CSI who handled every detail – right from the planning to execution. Leading the group were Ricky Stanley of B.E. (Electronics Engineering), Akshay Dixit of T.E. (Production Engineering) & Sahil Gupta of T.E. (Computer Engineering).

A total of 145 students, mainly comprising from second year, third year & final year engineering from all four branches viz. electronics, production, computer & information technology were accompanied by the following staff members :-

- Dr. Brijmohan S. Daga, Professor & Head, Computer Engineering Department
- Dr. Nilesh M. Patil, Assistant Professor, Information Technology Department
- Prof. Unik B. Lokhande, Assistant Professor, Information Technology Department
- Prof. (Mrs.) Supriya S. Kamoji, Assistant Professor, Computer Engineering Department
- Prof. (Mrs.) Dipali Y. Koshti, Assistant Professor, Computer Engineering Department
- Prof. Jayen Modi, Assistant Professor, Electronics Engineering Department
- Mr. Yogesh Chavan, Non-teaching staff (Peon)

The complete arrangement of the tour was outsourced by the students' council to Mr. Nitish Parab of 'Around the Globe' holidays who himself accompanied the group along with four of his associates. The journey began on morning of 27th December 2019 with the entire group assembling at Bandra Terminus Railway Station to catch the 12:45 pm Garib Rath Express (12216). The train departed on time & the group was served snacks & dinner as a part of the iternary package. Here during the onwards journey before boarding the train, the students' group was briefed with instructions in order to instill discipline, co-ordination & synchronism so that the industrial visit could take place smoothly.

2. Objectives of Industrial Visit

Usually the underlying objective of any industrial visit is for students to gather a first-hand experience of how the professional working methodology, various industrial processes, machinery & other related equipments are in place so that once they enter into professional field, after the completion of their respective courses, so these industrial tours are an effort to bridge this gap of practical exposure. Typically benefits of any industrial visits are generally (but not confined to the following) :-

- It help students gain first hand information regarding functioning of the Industry
- Provides an insight into the real working environment of the Industry
- Helps them to see their future place in the working world
- This also serves as a relation building process between institutes and industry
- Many of the companies also use it as tool for building brand awareness
- Helps to enhance their interpersonal skills and communications
- Helps to understand the do's and don'ts of the industrial practice

3. Visit to Visions Software Pvt. Ltd. (Chandigarh)

Visions has a creative web design and software development team in India proudly servicing clients worldwide. The company specializes in web design & development, customized standalone software development as well as Mobile Applications. Their expertise includes Magento, MEAN / MERN Stack, React Native development, Python, UI / UX Design, PHP, Hybrid Mobile Apps across Android & iPhone platforms. With over two and a half decades of work experience in technology Visions Software Pvt. Ltd. is focused on understanding client's requirements, providing quality work & being result oriented.

4. Visit to Auscan Academy of Information Technology (Chandigarh)

The A2IT Pvt. Ltd. is one of the most reputed group for technological education and research in Chandigarh. Known for its strong relations with the industry, the A2IT Mohali has always been a favorite destination of recruitment for many firms. The Corporate Relations & Placement Department plays a very important and key role in counseling and guiding the students of the Institute for their successful career, which is a crucial interface for the students between the stage of completion of academic programs of studies and entry into the professional life. The department coordinates various activities related to the placement of the students. The company provides the following services :-

- **Telecom Network Integration:** Providing Telecom and Network Solutions from last 10 years in Industries and also providing corporate training in Network, Cloud Computing, CCNA, CCNP, CCIE, Network Security and Telecom Sector.
- **Mechanical Engineering Solutions:** A2IT Mohali Mechanical design services on offer, range from concept design right through to detail engineering, analysis & prototyping, using industry best practices for CAD, CAM and CNC Turning & Milling.
- **Software Engineering Solutions:** Organizations need to adopt agile, pioneering and outgoing approach to strategically address complex web application issues and simultaneously increase revenues while reducing operational costs. A2IT Mohali proven & practical standards of tailored (web applications development, mobile applications development, desktop applications development) on different technologies.
- **Embedded & Automation Solutions:** A2IT Mohali has created a niche for itself in Industrial automation domain. We also execute projects in real time product development using variety of operating systems such as Embedded Linux, Embedded Robotic, Raspberry Pi, Arduino, HMI & Automation Technologies.

Mr. Rajiv Kumar, the resource person at A2IT Pvt. Ltd. briefed about ethical hacking to the students. He informed students about the Kali Linux OS and Parrot OS, the tools available in these OS etc. Students were also guided with shell-phishing using Kali Linux. Mr. Rajiv Kumar demonstrated the spoofing attack in security by spoofing the email ids of HR in IBMIndia.com and Google.com. Using these email ids, emails were sent to the students in the form of offer letters granting jobs in these companies. Demonstration was also given by hacking the social accounts in mobile phone by simply using the email ids of user. Using the email IDs alone, information like name of the user, their social account password, IP address of the phone, developer of the device, which ISP service is used were revealed. The session was highly informative. We fall short of time.

5. Visit to Micro Turner Group, Baddi (Himachal Pradesh)

Micro Turners Group is one of the largest integrated automotive component manufacturers in India. It has 12 world class manufacturing facilities mainly located in North & West India. With the infrastructure and technology platform developed over 40 years, the Group is well positioned in the Indian Auto and Non-Auto component markets. With over 1600 various components, Micro Turners is mainly into the manufacturing of Transmission Gear Train Assembly, Kick Start Mechanism, Gear Shifting Towers & Forks, All types of Sprockets, Ratchets, Pinions, Special Engine Fasteners, Clutch Shafts, Armature Shafts, Spline Shafts, Balancer Shafts, Bearing Races & Rings, 2-WHD Chassis Assembly, Fabricated Frames, Muffler Assembly, Swing Arms, 2-WHD Axles, Precision Ground Bushes and Special Turned Components. Moving with a growth rate of 11% CAGR, the company has posted a turnover of USD $225 million in last year. Micro Turners mainly aims at expanding their business across the globes through technological excellence.

For both the production & the electronics engineering students, this visit helped bridge the gap between curriculum & industry since they were exposed to various real-life industrial processes previously seen only in text-books. While the production engineering batch got a glimpse of various manufacturing processes & tools, the electronics engineering students could identify various electronic systems that pertained to power electronics, electrical machines & drives, instrumentation & automation. Micro Turner Group (MTG) was one of the core industries for both these engineering disciplines.

6. Visit to Aar Kay Shawl Industries, Bhuntar – Kullu (Himachal Pradesh)

The group also witnessed traditional small scale industries under small & medium enterprise (SME) by visiting Aar Kay Shawl Industries at Bhuntar, Kullu (Himachal Pradesh). This industrial visit was indeed in stark contrast to the modernisms displayed at the Rajiv Gandhi Information Technology Parks in the form of IT, electronics & automation industries. Due to confidential issues photography wasn't permitted yet the group witnessed first-hand account of traditional shawl making & other garments manufacturing using simple automated machines & processes. Majority of students also purchased several products.

7. Rest, Relaxation & Leisure Excursions

Along with a tightly packed schedule, a sense of rest, relaxation & leisure excursion also prevailed as the entire group took some time off & went for local sight-seeing in Shimla & Manali. This included visits to Kufri, the Mall Road (Shimla) & St. Stephen's Church. In Manali, the group visited Hadimba Temple, the Mall Road (Manali), Solang Valley where they indulged in several fun-filled activities. The staff & students also visited the local markets & indulged in local delicacies along the way. A few adventurous students took a shot at river rafting in Kullu; though it was optional in the itinerary.

8. Outcomes, Takeaways & Conclusion

Industrial visits offer a great source to gain practical knowledge. Students can observe and learn as to how theatrical concepts are put to into action, thereby aiding their practical learning. Students are exposed to real working environment and shown how things are done in an organization. From the details about the management to the targets they achieve, everything is covered in these visits.

An industrial visit is first-hand experience to anything related to students' career. It helps gain an active learning experience. Traditional engineering colleges cannot afford to show the real methodologies of companies. Therefore, industrial visits are a great way to gain as much as practical and technical knowledge on area of interest. Be it challenges involved in a particular area of interest or nuances to master the field or scope, everything is covered in an industrial visit.

The gap between theoretical learning and practical exposure is actually bridged by industrial visits. The importance of industrial visits is such that it has been made mandatory in many institutions. Also, students are always curious about what kind of work they would be doing after entering their favorite industry. Through industrial visits, they can clarify their doubts and silence their curiosities. They can communicate with people and organizations to get a clear idea of their dream job.

Jayen S. Modi
Assistant Professor
Electronics Engineering Department

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Report on Demo day - Exhibition Cum Demo for PoCs and Mentorship for innovators

Project Demo Session is to provide a forum to address innovative applications or techniques based on upcoming research challenges and innovative approaches in the fields of Engineering. The main aim is to collaborate between Industry and Academia. This serves as a platform for Students, Researchers and Developers to showcase their innovations and experimental results which paves direction for future and extensive work.

Each project entry will be assessed by a judging panel consisting of members from industry and academia. The panel members will evaluate various aspects like Creativity, Originality, Engineering Design, Societal Applications, Presentation, Demonstration and Audience appeal. The Basic facilities will be provided to the authors for demonstrating their projects. The accepted projects will be supported for further improvements.

Ten Projects, 5 each from software and hardware segments were shortlisted for demonstration.

Based on the recommendations of the judging panel, 3 projects were declared as First three winners of the demo session.

As part of the demo day, mentoring sessions were conducted for the innovators and interested students.

Mentoring sessions were handled by Management gurus, entrepreneurs, working professionals, academic members.

Members of Judging committee / Mentoring Resource People:

- Dr. R. S. Iyer – Ex. Director S.P Jain Institute of Management Sciences
- Dr. Y. D. Venkatesh – Ergonomics Product Design Expert
- Mr. Gangan Rajendra – Entrepreneur
- Mr. B.R. Prabhu – Electronics Product Design Consultant
- Mr. Zubin Driver – Narrative building & Training Consultant

Report

Date:14th March 2020,

International Women's Day is an occasion to celebrate the progress made towards achieving gender equality and women's empowerment but also to critically reflect on those accomplishments and strive for a greater momentum towards gender equality worldwide. It is a day to recognize the extraordinary acts of women and to stand together, as a united force, to advance gender equality around the world. Women in Engineering (WIE) is one of the largest international professional organizations dedicated to promoting women engineers and scientists, and inspiring girls around the world to follow their academic interests in a career in engineering.

The theme for International Women's Day (12th March) this year, **"Women in Entrepreneurship",** puts innovation by women and girls, for women and girls, at the heart of efforts to ignite the passion of Entrepreneurship. First, the principal Dr. Srija Unnikrishnan addressed all students, she talked about her experience about meeting various Business personalities and she emphasized a lot on women who are CEOs and Business personalities. For this event WIE council had invited **Mrs Prema Mishra**, Founder of Catapult who is very successful in her respective field. She talked passionately about sports and about her profession as a coach and sportsperson. She talked how girls should focus on their dreams no matter how difficult it is to achieve them. Later a skit was performed by First Year students on the topic "Issues faced by Women". And the session was ended by a song by Vivian, student of Third Year and Vote of Thanks by Aarti Bandekar.

Report by

Prof Sushma Nagdeote
(Branch Counsellor - WIE)

REPORT – Innovation Day

Date - 30th January 2020

Venue - Fr. Conceicao Rodrigues College of Engineering

Time – 1:30 pm onwards

No. of students participating - 500

No. of Faculty members involved - 15

Introduction:

Various committees appointed in the college were asked to come up with some innovative activities for the students. IIC 2.0 – Fr.CRCE also announced – 'Best Innovative Activity' Trophy for the committee which organized the most innovative event.

Innovation Day experienced a bunch of exciting events put up for the students in the best possible manner. Most of the events threw light upon certain elements in life such as Nature, Knowledge, Wit, Creativity etc. This made the students all the more interested which resulted in active participation from all sections of the college.

Brief Description:

Following is the list of activities organized on the Innovation Day:

1) Maze Kings
2) Code Breakers
3) Nature's Slogan
4) Green Photography
5) Scene Kya Hai
6) Logo Competition
7) Image Capture
8) Logo Guessing
9) Innovatsy

REPORT – Innovation Day

All the students from FE, SE, TE & BE were welcomed in the event. The students were enthralled with the overall environment set up by the committees. The activities could be performed in any order and based on pure interest of the students.

Training and Placement officer of the college Mr. Sharma and Principal Dr. Srija Unnikrishnan addressed the venue as judges. They personally went through each and every activity to understand the concept, innovation, message and efforts put in for that particular activity. Based on such parameters, the judges gave marks for all the activities. These marks decided the winner of the 'Best Innovative Activity' Trophy.

The trophy was won by CodeLabs-Logo Competition.

Hence in a nutshell, the Innovation Day was a huge success for the college and IIC 2.0 – Fr.CRCE as well. We hereby look forward to organize such activities in the future.

Banner of the Event:

Name of the event: Idea Competition.

Date of the event: 30/01/2020

Number of teams participated: 17

Venue of the competition: 803 lab

The Entrepreneurship Cell-CRCE(E-CELL CRCE) and Institution's Innovation Council (IIC-CRCE) astonished as per MHRD, Govt. Of India Guidelines , jointly collaborated for 2nd 'The Idea Competition', an intercollegiate inter disciplinary event. Idea competition is a platform for students to present their novel and market feasible ideas and sets their path towards entrepreneurship.

A team comprising of maximum 4 members submitted their idea(s) as proposal to us. These proposals should belong to one of the themes mentioned for the year. The proposals undergo two level shortlisting, first level by internal evaluators and second level by panel judges on the day of event. Ideas are shortlisted for final presentation on the basis on novelty, technologies used, technical and financial feasibility and market survey.

Themes for the year:

1. Health Care
2. Agriculture & Rural Development
3. Energy
4. Environment
5. Others

This years event saw participation of 17 teams from various colleges across Mumbai region. The ideas were judged by three esteemed judges, Mr..Mustafa Fatakdawala, Data Scientist, Associate Consultant from Tata Consultancy Services (TCS), Prof. Dileep Chandra, IIC Convener,. Fr. CRCE and Prof.. Hitendra Vaishnav, Startup Coordinator IIC, FR. CRCE .All teams pitched up with good innovative ideas. The team with maximum points was declared as a winner of the competition.

First Prize Winner: Idea: "IOT based solar powered smart bag for women's safety along with air purification system".

College Name: FR. Conceicao Rodrigues College of Engineering

Second Prize: Idea : "leARn" : Augmented Reality based software application for education sector.

College Name: Vivekanand Education Society's Institute of Technology(VESIT), Mumbai.

Winners were awarded with cash prizes.

Overall it was a successful event and council plans to have such event twice in a year to spread knowledge and awareness among students.

Ecell team members with the Idea competition judges

Team presenting their Idea

Thanks giving to Mr. Mustafa Fatakdawala, Data Scientist, Associate Consultant from Tata Consultancy Services (TCS)

Ecell -CRCE Coordinator
Prof.Prajakta Bhangale

ECell-CRCE Co-coordinator
Prof. Prachi Patil

CSI-CRCE organized 'Intellectual Property Rights' (IPR) session in association with IIC-CRCE

Mumbai, 23 January

The Computer Society of India council in association with the Institute Innovation Cell, CRCE had organized an informative session on Intellectual Property Rights (IPR) under the guidance of Ashwini ma'am (Faculty in-charge) on 23rd January, 2020 at Samvaad. A total of 155 students attended the session from SE and TE.

The workshop was conducted by the Professor and Dean (Research and Development) of the Department of Mechanical and Production Engineering of our college, Dr. Bhushan Patil.

Intellectual property rights refers to the general term for the assignment of property rights through patents, copyrights and trademarks. These property rights allow the holder to exercise a monopoly on the use of the item for a specified period. The session began with Dr. Bhushan Patil introducing the basic concept of IPR. He emphasized on the four types of IPR which includes patents, copyrights, trademarks and trade secrets. Students were briefed on its importance and proper management. Its protection is critical to fostering innovation since without protection of ideas, businesses and individuals would not reap full benefits of their inventions. The speaker also shared some real life examples and cases which enhanced the enthusiasm among the students who were getting really valuable and interesting information. The positive feedback from the audience marked the end of this successful session.

POCO
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Bisleri
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SHOT ON POCO F1

2020/1/23 12:10

Report on A talk on “How to convert your project idea to business model”

The event was organized the IIC – Fr.Council2.0 in association with SAE CRCE council and was headed by Prof. Hitendra Vaishnav.

Name: A Talk on “How to convert your project idea into a business model.”

Date of event: 23rd January 2020.

Time of event: 11am – 3pm.

Location of the event: Samvaad Hall (Fr. CRCE College).

Total number of attendees: 50

Event Summary:

The event was based on an objective to educate students on how to convert a raw idea in their mind to a market ready product.

Prof. Hitendra Vaishnav gave a detailed explanation about the topic and solved basic doubts related to it. It proved out to be a very interactive session between the professor and the attendees.

Since the topic was task oriented the attendees were told to form a group of 5-7 and think of an idea whilst discussing amongst the group.

The groups were then given an information sheet where they needed to put in the information of their product i.e problems it would solve, difficulties while making the product and costing of the product.

Further they had to do market research where a group interacted with other groups explaining about their own product and taking reviews.

Finally every group had a member selected to give a 3 minute speech session to sell the product.

These all products were then rated by other teams as well as Prof. Hitendra Vaishnav.

All the products which were highly rated and were found interesting by the professor were short listed and the group were called and talked to.

It was a very informative event which was enjoyed by the attendees, the volunteers as well the professor.

Report
Industrial Visit – Central Railway Workshop , Matunga

An Industrial Visit to Central Railway Workshop, Matunga was organized on 28th, 29th , 30th January by IIIExCRCE and IIC-FrCRCE under the supervision of Prof. V.B. Rao. Guided by Mr. Suresh Basutkar (Junior Instructor-Indian Railways Mumbai) the aim of the Industrial Visit was to demonstrate the students, the working of large scale production machines and the functioning of the repair processes in Railways. Conducted specifically for TE Production, the class was divided in 3 groups in order for the students to visualize and comprehend the information better.

The main function of this workshop is to inspect, plan and then conduct repair work on different parts (wheel, bearings, seat, suspension, etc) of a train. No specialized machines or designs are made here. Machining work on CNC Lathe Machine and Production Lathe , Welding , Heat Treatment of the metals are the major processes involved. The Workshop is divided into following parts-

Heavy Corrosion Repair Shop-

Corrosion is an inevitable process in an exposed iron material , resulting in loss of strength. To avoid this the coaches are painted with inhibitive zinc chromate red oxide primer.

Wheel Shop-

Depending on the condition of the wheel , the wheel is either sent to repair shop or disposed when the critical thickness is observed. Visual, Sound and Ultrasonic Inspections are carried out respectively in order to analyze the condition of the wheel. The machines used are Lathe machine (to obtain the diameter of the

wheel) , CNC turning machine (to obtain axle diameter) , Axle grinding machine (for turning and burnishing of axle journal). Cleaning of the used roller bearings also takes place in this workshop. The bearings are first cleaned with hot water (pre-washing,washing,rinsing,dipping) and then sent to the chemical chamber. Hydraulic Device is used for mounting and dismounting of the bearing.

Trolley Repair Workshop-

Main Line and EMU coaches are repaired here. The main parts under supervision are Bogie frame, Bogie Bolster ,Center Pivot Arrangement, Brake Beam Assembly and Primary Suspension .The arrangement of the frames and the dampening effect of the suspension is checked.

Lifting and Under Frame Shop-

It is divided in three sections-

1) Lifting and Lowering of Shells- It is practiced to dismantle the shell and bogie of a coach in order to sent the following parts to their respective workshops.
2) Air Brake System-These are used as they are efficient in almost every condition.
3) Distributor Valve- It is used to reduce or increase the pressure in the pipes in order for braking to take place.

Hangout with successful startups (INTERNSHIP EXPO 2020)

On the 29th of February,2020 we organized the "Internship & Career Expo" hosting multiple companies at our college campus. The expo was attended by students from all branches of our college where the interacted with startup representatives. This event further extended to other colleges for participation. The Internship & Career Expo was set to be one of CRCE's flagship events with 15 companies from technical as well as non-technical domains.

The following are the names of the companies and the domains they offered:

1. Frapp :Marketing, Campaign head, App development
2. Revolux: Digital Marketing, Content creation, Graphic designing, E-commerce Photographers, Brand management, Software Development, UI/UX Designers, Customer Marketing, Content Executive
3. JunkMinds : Technical Content Creator
4. CACR: App Development and improved monitoring systems, Website development
5. Bombay Bicycle company: Smart systems, Manufacturing, Designing, Animation, Networking, Web and App development, Project head, Team head
6. Kasa Kai Mumbai: Marketing, Operations, Web and App Development, PHP Backend
7. Cloud Counselage: Business Analyst, Full stack developer, AI, ML, Graphic Design, Blockchain, Data Science, Digital Marketing
8. Dr.Vaidyas: Business development, Digital Marketing
9. RotiBank: Events and Operations
10. The Welfare for Stray Dogs: Social Media, Web Designer, Data compilation and analysis, Photography, Research, Operations, Volunteering
11. CleverSpace: Full Stack Developer, Embedded Systems Developer
12. Jeon Beyond Creativity: Graphic Designers, Video Creators, Human Resources, Business Development, Client Servicing, Digital Marketing.
13. Anat : Program co-ordination, production, social media
14. Aarna Foundation: Social Media marketing, Video editor,Web Development, Teaching Volunteer, Social Work, Fund Raising, Distribution management, Graphic Design, Event Management
15. BlackCab: Graphic Design, Social Media account manager, Client Servicing.

Timings: 9am to 4pm. Location: Father Conceicao Rodrigues College of Engineering. Attendance: 275

Proofs of workshops/Seminars organized on Research Methodology, Intellectual Property Rights (IPR) and Entrepreneurship (2018-19)

Brief Profile of the Speaker

Facebook Live session by Central expert for Workshop on

IPR for Students and Faculty Members

Date: 10th January, 2019 Time: 1:30 PM to 3:30 PM

Ms. Shwetasree Majumder
Principal
Fidus Law Chamber

Experience:

- Shwetasree Majumder is an alumnus of the National Law School, Bangalore
- Founded Fidus Law Chambers in 2008
- Shwetasree was elected to the Board of Directors of the International Trademark Association (INTA).
- She concentrates her practice in litigation, enforcement and counseling in intellectual property, technology, advertising and trade secrets matters across a broad spectrum of industries.
- She has been a member of a panel which worked on the Verma Committee Report leading up to amendments in Indian criminal laws to address crimes against women.

Report of Webinar Session on IPR

The webinar organized by MHRD's Innovation cell was a live session for "**IPR for Students and Faculty**" by Ms Shwetashree Majumdar, Principal, Fidus Law Chamber, was informative program.

Name of the event: ***Intellectual Property Right***
Speaker : ***Ms Shwetashree Majumdar, Principal, Fidus Law Chamber***
Date of event: *January 10th 2019, 1.30-3.30PM*
Location of the event: *Samvad hall of CRCE College*.
Sponsoring organisation: *MHRD Innovation Cell (MIC)*
Total number of students attended: 208
Total number of Faculty members attended: 36

Webinar Summary

Many people are not aware of a lawyer practicing in the area of IPR. In Fact India has one of the "strongest IP Law regimes in the world". There are two pillars, according to her perspective, to do with IP Laws:

1) "Pillar of protection"

2) "Pillar of Enforcement"

The different types of IPRs and their area and rules of application are as follows:

Patent: Patent is granted to and for an Invention that did not exist before.

At the outset, it was clarified that Invention needs to be differentiated from Discovery. A discovery is made when something that had existed but not known to the public is brought to their notice. An invention is made when something is created for the first time or something that had not existed until its 'Invention'.

The Granting of a patent is "quid pro quo". The patent is granted to an Inventor for revealing the blueprint of his invention to the public and in exchange the inventor gets exclusive rights to exploit his/her invention commercially which enables him to profit from the same.

The inventor needs to file an application at the patent office.

The Product, Process, Creation must meet the test of 'Prior art" which is to check if there is any evidence that the invention is already known or not.

A Patent is granted for a period of 20 years, after which it becomes available to the public and the inventor losing exclusive rights.

Three conditions that need to be fulfilled for an Invention to be eligible for a patent are:

1) Novelty – The invention has not been seen before in the market or public domain.

2) Invention is Technical Advancement of Economic significance.

3) Invention must have an Industrial Application – which can be 'Commercialized',

Inventions that cannot be patented include:

1) Inventions that are against Natural Laws.

2) Inventions that is harmful to health.

3) Scientific and mathematical formulas.

4) Defense related inventions.

Copyrights: these are IPs for literary, artistic, dramatic works etc. it is the only type of IP that doesn't need registration. Some of the rights associated with copyrights are performer's rights, broadcasting rights, economic rights and moral rights.

Copyright infringement occurs when someone makes infringing copies or imports such copies. A notable example of copyright infringement is that of torrent where people are able to watch movies illegally.

Trademarks: trademarks are anything that is capable of being represented graphically. These include words, symbols, colour combinations etc.

Trademarks are registered for 10 years and can be renewed at the end of the term.

There are also non-traditional trademarks which include sound and smell. An example of sound trademark is that of the 'Roaring Lion' owned by MGM Studios.

Counterfeit trademarks are an exact copy with the same words, logo, and colour as the original.

Industrial Design (ID): These are features, configuration, and pattern, composition of colours applied to an article by any industrial process which appeal to and are judged solely by the eye.

When these articles have a different and never existing function, it isn't classified as an ID.

An ID has a term of 15 years.

Geographical indication (GI): These are IPs given to products of a specific geographical origin and possess recognition only because of its origin. It is given to a community rather than to an individual.

The term of a GI is 10 years and is renewable at the end of the term.

Semiconductor IC layout design: these are IPs given to products having a different type of circuitry function. It is specific to the product hardware. The IC must be original, distinctive, distinguishable and commercially exploitable.

The term of this IP is valid for 10 years.

Plant Variety: these are granted to protect plant varieties and recognize plant breeders.

The plant variety must be novel, distinctive, uniform and stable to be granted an IPR.

Trade Secret: this is an IPR that is different from other types of IPR. Instead of revealing something to the public, the secret is protected from the public. This IPR applies to the heads of companies aware of the company secrets. The heads are prevented from revealing the secret to the public throughout his/ her lifetime. A notable example is the "coca cola formula". The formula has been kept confidential to date and isn't known to the public.

Application for an IPR can be made online through website www.ipindia.nic.in

MHRD
MIC
SMART INDIA HACKATHON 2019
INDIA FIRST
LEADERSHIP TALK SERIES
Tuesday, 08 January 2019, 02:00 PM
Send Your Questions for Shri Anand Mahindra on
www.mic.gov.in/questions.html before 5th January 2019
Shri Anand Mahindra
Chairman
Mahindra Group
Watch
Live on
LIVE
www.facebook.com/mhrds.innovationcell
YouTube
www.mic.gov.in/live.html
mhrd_innovation

Report of Webinar Session on India's First Leadership Talk Series

The webinar organized by MHRD's Innovation cell was a live session for "**India first leadership talk series**" by Shri Anand Mahindra, Chairman, Mahindra Group was an exceptionally brilliant and truly inspirational program.

Name of the event: ***India's first leadership talk series*** *by Mr.Anand Mahindra*.
Date of event: *January 8th 2019, 2.00-3.00PM*
Location of the event: *Samvad hall of CRCE College*.
Sponsoring organisation: *MHRD Innovation Cell (MIC)*
Total number of students attended: 201
Total number of Faculty members attended: 58

At the beginning **Ms. Sakshi Ghadigaonkar** and **Ms. Anu Thomas** introduced IIC-FrCRCE council to the students and announced about the events like **Idea competition**.

Webinar Summary

On January 8th, an informative and helpful webinar on leadership talks by **Mr. Anand Mahindra** (Chairman of Mahindra Group) was organized by IIC-FrCRCE at Fr. CRCE College in Bandra. The objective of this webinar talk series is to learn from the experience of industry leaders. In this connection, Mr. Anand Mahindra (AM) was the first person invited. MHRD invited questions from students of different institutions all over India and over 500 questions were received which were compiled and put under various categories. The first category was what to do with innovation, the second about the speaker's leadership and his success and failure stories, the third about the speaker's opinion on start-ups and the fourth to do with the speaker's company- Mahindra and Mahindra and its core business.

The talk was well received by the students and teachers alike. The objectives of MIC for organizing the event can be said to be achieved due to precise answering of some of the important questions by Mr. Mahindra dealing on issues like:-

1) Dealing with failure.
2) Qualities for becoming a leader.
3) Encouraging innovations and entrepreneurs.
4) Balancing life and work
5) Importance of competition, etc.

The questions that were asked are as follows:

Question 1:

Most of the audience were students who are about to graduate and are anxious about what they should do - whether to go for a job or for a startup. AM was asked to share his experience, more particularly what was it that was not taught in school which students should know.

The speaker replied saying that he graduated from Harvard business school (HBS). The acronym HBS was most important for students to know, where H stood for "humility", B for "brevity" and S for "self awareness".

Humility: Humility should be inversely proportional to the reputation of the institution one studied in. The speaker always tried to be humble and defer to the opinions of others.

Brevity: People tend to be verbose and speak too much. There is a need for one to be brief and being brief makes it simple for people to understand.

Self Awareness: Self awareness isn't taught in any school. One must be aware of one's motives. Following one's motives makes one happier and the speaker believed that happier people are more successful.

Question 2:

What was AM's motivation when he chose to go for films and then switch to business?

The speaker replied that he considered himself to be a rebel, a voracious reader who questioned the purpose of everything. He was born into a business family but didn't like the idea that his life seemed to be plotted by others, even if they were his parents. As a rebel, he wanted to paint his own canvas. He was more in favour of the arts and after several false starts; he applied for the liberal arts course in Harvard college where he majored in film making. He proved that he wasn't the one who inherited everything from his parents by his thesis film on kumbh Mela which turned out to be successful. Having done so, he chose to shift to business.

Question 3:

An individual has to go through many failures in his life. Have you (AM) seen such failures and how do you cope with that?

The speaker believes that everyone goes through failures. People usually advice "get up, get dusted and carry on". While all that is true, it is necessary for one to cope with the emotions of failure. "Allow yourself the terror and the tear of failure". "Take time off, allow yourself to feel low" which will make one bored and consequently want "yourself to move on".

Question 4:

Did you (AM) know how to cope with failure while in school or did you get it over time by experience.

The speaker said that he was no "baal yogi" while in school and that he learnt to cope with failure with experience.

Question 5:

Who is AM's role model?

The speaker said that his mother advised him to not have a single role model but instead, form a jigsaw puzzle of role models. A leader must have ideas but must share the ownership of the idea with all people and make themselves believe that it's theirs. A notable example was that of Gandhi ji, who believed in freedom but the idea of freedom was shared by all people. I.e. ownership of idea must belong to followers.

Question 6:

How can innovation become the fulcrum of a corporate?

The speaker said that innovation is critical which does not come from "jugaad" but from "jakhas". For innovation to become the fulcrum of a corporate, the company must provide the ecosystem for innovation which comes through "autonomy", "empowerment", "recognition of entrepreneurs" and "sharing of wealth" through ESOP.

Finally he added about the need for strong startup ecosystem in the company which he called "intrapreneurship".

Question 7:

Are leadership skills different while handling a small company as compared to a large company?

The speaker replied that regardless of the size of the company, leadership should be "transformational" and not "transactional". At the same time, the leader must identify people in the company who are good at being "transformational" and those good at being "transactional". The latter will be the executers of the idea.

Question 8:

Given that many students are confused, while in college, about what must be done upon graduation, should one go for start-up or go for a job and then a start-up?

The speaker replied that one must follow one's motivation. Whatever be the motivation, be it teaching, enormous wealth or global recognition, follow the motivation. If one decides to be an entrepreneur, assess one's own risk aversion. If not averse to taking risk, then one may start-up in his/her garage. If not, a company like mahindra provides an ecosystem for an individual to become an "intrapreneur".

Question 9:

How can one maintain his/her work life balance?

The speaker replied that an individual must always love his/her work and in such a case, there is no need for balance as there is so much joy. In such a case, "work is life and life is work" and there is no dichotomy.

Question 10:

What is the future business model?

The speaker replied that competition is always the one that brings out the best. However, in today's world, to be competitive, one must also be collaborative. I.e. a company should outsource work and learn to collaborate with other companies.

On a lighter hearted vein, Mr. Anand Mahindra was asked whether he had any plans to return to film. To that, he replied that such a case was very likely possible if everything were to fail, perhaps do the role of a villain!

Though it was one way session which prevented direct interaction between the speaker and the students, Mr. Anand Mahendra did try to help the students on planning their future more precisely. The MIC should be equally commended for reaching out to students by such new ways and explaining to them the importance of the term ‘Innovation’. The students dispersed with a sincere hope that such talks should be organized again by the council.

Feedback from an IIC student member:

“The Event was very helpful and encouraging and it also cleared some of my doubts regarding post-graduation plans. The way he said to embrace failure instead of fighting it was also something new I’ve heard. Overall it was great and I would be waiting for further sessions of the talk series given by such amazing people.”

Kailash Nair,
FE Electronics, Fr.CRCE Bandra

Anand Deshpande

ader, Chairman & Managing Director
Persistent Systems Ltd.

MHRD MIC AICTE SMART INDIA HACKATHON 2019

INDIA FIRST LEADERSHIP TALK SERIES

Talk on: Planning for Career

Thursday, 24th January 2019, 11:30

Send Your Questions for Dr. Anand on www.mic.gov.in/questions.html before 20th Januar

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MHRD'S INNOVATION CELL (GOVERNMENT OF INDIA) www.mic.gov.in/live.html

mhrd_innovation

Report of Webinar Session on 'India First Leadership Talk Series"

The webinar organized by MHRD's Innovation cell was a live session for "**India first leadership talk series**" by Dr. Anand Deshpande, Founder, Chairman and Managing Director of Persistent Systems Ltd. was an exceptionally brilliant and truly inspirational program.

Name of the event: ***India's first leadership talk series*** *by Dr. Anand Deshpande*.
Date of event: *January 24th 2019, 11.30-12.30PM*
Location of the event: *Samvaad hall of CRCE College*.
Sponsoring organisation: *MHRD Innovation Cell-Institutions Innovation Council (MIC - IIC)*
Total number of students attended: 187
Total number of Faculty members attended: 11

Webinar Summary

On January 24th, an informative and helpful webinar on leadership talks by **Dr. Anand Deshpande** (Founder, Chairman and Managing Director of Persistent Systems Ltd.) was organized by IIC-FrCRCE at Fr. CRCE College in Bandra. The objective of this webinar talk series is to learn from the experience of industry leaders. In this connection, Dr. Anand Deshpande (AD) was invited.

The webinar started with Dr. Abhay Jere, Chief Innovation Officer, MHRD Innovation Cell, welcoming Dr. Deshpande and introducing him to the audience. MHRD invited questions from students of different institutions all over India and over 100 questions were received which were compiled and put under three categories. The first category was what to do with start-ups, the second about the IT field and its development, the third about the career.

The questions that were asked are as follows:

Question 1:

In 1990 when AD came back to India, what was his motivation to start his own business?

The speaker replied that he had good opportunities in the US but he had a desire to come back to India. At that time he had a few projects in mind but always wanted to do something innovative on his own. In 1990, lack of telecom infrastructure, networking facilities made communication difficult. The government had the foresight of heading the software technology by helping software-based companies. He said that he was lucky enough to be part of the first round of STP businesses.

Question 2:

Ease of doing business in this generation is more compared to AD's generation. To send a single email to the U.S. AD had to travel to Mumbai. Did you face bureaucratic problems in business?

The speaker said that it was difficult back then to start a business but we have come a long way since then. The climate for entrepreneurship is a lot better now. Sure, challenges were high back then but the condition was same for everybody. The whole point of being an entrepreneur is to solve problems and rise above them. You just learn to face difficulties

Question 3:

For a young person who has come from U.S, completing his education there, working there and then adapting to Indian Bureacracy, did you feel frustrated and demotivated anytime?

The speaker replied that he always had customers willing to provide work. So he never felt like leaving. He had only been to the US for 5-6 years so it wasn't much different.

Question 4:

Students have a major doubt whether they should pursue their entrepreneurship ideas immediately after graduation or secure a job first, take some experience and then go for entrepreneurship because many a times students face a lot of pressure from parents, from society to settle with a good job and give up on their dream?

The speaker believed that the key to a successful entrepreneurship is to have a problem to solve. If you have a problem compelling enough to be solved and if you have the ability to deliver a solution for it, that's when you start becoming an entrepreneur. Self-employment is a happening thing around the globe. For a student who has just graduated, it's a good idea to work for smaller businesses where you will work with an entrepreneur, will get ideas, will start to think like an entrepreneur. You should start your own business only when you know what you are doing. It is not advisable to start a business and then figure out what to do.

Question 5:

Large number of students participating in Hackathons, come up with innovative ideas and new technologies and their entire approach is how to use this technology to solve a particular problem?

The speaker replied, when you are building a product for a company, the focus is upon building something that someone is willing to buy for a reasonable price to

make your business viable. Knowing a certain technology doesn't entirely make a business happen. Unless you verify the viability of the business and make sure you can sustain it, there is no point in starting a business.

Question 6:

Nowadays topics such as Machine Learning, Artificial Intelligence, Blockchain, have become buzzwords. Students would like to know the scope and business opportunities provided by such topics.

The speaker explained that companies like his own work in such areas of IT and they definitely would hire students working in such areas as it is in great demand. If you have a good understanding of such technologies and are willing to apply them to problems faced by customers then potentially a business can be emerged from it. For example, it is not just about learning Machine Learning, but applying it to real-life problems such as farmer's problems, water purification or any other potential area of interest.

Question 7:

There is a rising fear amongst students whether the jobs are getting evaporated or whether the team size is sinking as a result of which the opportunities in the market are reducing. Also freelancing trend is on the rise. Please elaborate on this topic.

The speaker said that technologies are pacing forward rapidly and those who can keep up with this pace will always be in demand. Those who do not stay up with ongoing changes will find it difficult to sustain. So students should understand that this is a continuous learning process and you will be expected to keep learning as you move along and part of the responsibility of upgrading your skill just begins in college and should be continued further even after college. There is a misconception that after college learning generally stops. This is untrue. The kind of skills needed for industry is changing rapidly along with changing technologies.

An example of such rapid growth was given by the speaker. He mentioned that some 10-20 years back smartphones did not exist. 4G-3G never existed. So the change is technology is huge. And if we extrapolate it to the upcoming 10 years you will observe this change again. Younger generation is more inclined to try out new things and changes. The kind of security they share or their ability to take chances is a lot better than their older generations. This is what is known as 'Uberization' of industry. Essentially it is an individual's own personal responsibility to make ends meet. People are looking at self-employment, learning new things on their own and then building a career out of it. We are expected to invest on our own long term career advancements and long term skill-building.

Question 8:

Do you feel that it would not be wrong to say that, every student has to think of himself as an entrepreneur?

The speaker replied with an affirmative. He recalled a book called named, 'Me Enterprise' and its idea that every individual is an entrepreneur and is writing his own enterprise. You may work for an employer but actually your employer is your customer. So you are responsible for your own business and you need to have your own mission and vision. Secondly, students should try to build their skills based on some technology and also, irrespective of what other people might say, the curriculum is not the problem. What you do with it is. You need to learn to do things on your own. The speaker feels platforms like Smart India Hackathon are brilliant and provide students with opportunities to present their ideas and apply their skills. Thirdly, communication skills are what takes you up in your career. Technologies will come and go but communication skills are lifelong.

Question 9:

When a student gets out of college and gets into a job as a software engineer, he later aspires to be a team leader, in managerial position. But when you say about taking leadership in your hands, does it reduce the need of managerial positions?

The speaker said that, while a person is in college he spend time acquiring technical skills. Divide 40 years of your job phase into 4 parts.
1. In the initial 10 years, start with Learning and Networking. Learn as much as you can and build a strong network of people. Be open to ideas.

2. In the second 10 year phase, that is in the 16 -17 year of career you should be an expert in a particular field

3. In the next phase you should be in a position called 'The Corner Office' phase. Plan out your decisions such that you see yourself in a corner office position.

4. The last phase you need to manage your financial condition and lifestyle and be in a position to know your retirement plans.

Question 10:

When you look back at your career do you think that you have gone through these specific phases?

The speaker replied, that his career graph was slightly different as he was a CEO already when he started and he remained in the job for 28 years. But his responsibilities had changed over the years and he did learn new things. He believes that every year we should learn something new and develop it. The extra years of

experience of an individual should count in value for the organisation and himself. This is something that the speaker is very conscious about.

Question 11:

When you are recommending career steps, are they gender-agnostic because sometimes at a certain stage girls are asked to stay with their family and how should women cope up with this?

-Question from Ayushi, IIT Kanpur

The speaker said, he feels that women are equally competent and capable as men. That said, there are gender-biased opinions in our society regarding women, but as long as jobs are concerned women have to chart their own path and we will see more and more women who have fantastic achievements in their fields.

Question 12:

Is India really prepared to handle Industry 4.0 and as a software industrialist do you feel that we have a huge role to play in it or how industry is evolving in that perspective?

-Question from Veer Patel, IIIT Kanchipuram

The speaker believes that Industry 4.0 is going to happen. More and more devices, activities are going to get sensors. People are going to be able to track activities, look at events, combine them to do exciting things. Maybe India is a few years behind, but we will get there. This can be viewed as an opportunity for young people to check into this new generation of inter-connected devices, interconnected factories. Software 4.0 is our methodology of building Industry 4.0. It deals with distributed architecture and with the kind of networks and technology that we possess, it is being implemented across everywhere.

Question 13:

Do you believe that a companies are slowly moving towards a model where campus recruitments will be in the form of hackathons or based on how you perform in your projects and interviews will not be taken?

The speaker feels that it is not one out of many. The hiring process is now moving to a model where a combination of aspects are involved. Hackathons demonstrate what an individual is building on his own and that is a skill that businesses will expect. Thus, hackathons will be another input into considering people while hiring. People also want good communicators so interviews will obviously remain.

Question 14:

Will you categorize yourself as a technocrat, or sales person or a manager?

The speaker said that he loves doing salesmanship and he thinks I he is a good salesperson. All businesses are developed from sales and whoever will sell well will do well. No body opts to be a salesman but they should. If you look at any business and you don't have sales and customers, the business does not exist. If you don't have your own technology you can resell someone else's technology. Thus, sales is the most fundamental part of any business.

Though it was one way session which prevented direct interaction between the speaker and the students, Dr. Anand Deshpande did try to help the students on planning their future more precisely. The MIC should be equally commended for reaching out to students by such new ways and explaining to them the importance of the term 'Innovation'. The students dispersed with a sincere hope that such talks should be organized again by the council.

Feedback from a student member:

"The session focused on answering an important question which is whether one should start their own business or work for a few years to gain knowledge and experience. Different topics such as self-employment, business models, currently required skill sets were discussed in detail. G one's own business were explained beautifully. "

Sumedh Deshpande,
TE Computers, Fr.CRCE Bandra

IIC-Fr.CRCE Bandra

Report of IDEA COMPETITION 2019

Institute Innovation Council – Fr.C.R.C.E. Bandra. (IIC-FrCRCE), organized the event "IDEA COMPETITION" to harness the project ideas which are buzzing in the mind of the students. The aim of this event was to provide a platform to showcase their ideas and take a step to convert it to a real working model. Participants were expected to use their creativity to develop innovative, cost-effective and practical ideas and present them in terms of poster presentations. Idea Proposals were evaluated by a team of research, industry and domain experts. Shortlisted ideas will get the chance to move to design competition and compete in the project competition.

Major focus of this event:

- To create a vibrant local innovation ecosystem.
- Establish Function Ecosystem for Scouting Ideas and Pre-incubation of Ideas.
- Develop better Cognitive Ability amongst Technology Students.

Name of the event: ***IDEA COMPETITION 2019***.
Date of event: ***MARCH 16TH 2019, 9.30AM-3.00PM***
Location of the event: *Fr. C.R.C.E. Bandra*
Sponsoring organisation: *Fr.C.R.C.E. Bandra*
Total number of teams registered: **34**

Event Summary

Teams submitted their idea(s) in the form of proposal**. Ideas** were shortlisted for final presentation on the basis on novelty, technologies used, technical and financial feasibility and market survey **by IIC members.**

Each team was provided with 15 mins slot for poster presentation, out of which 10 mins were allocated for presentation by the students and 5 mins were allocated for question and answer session between judges and the team.

No. of total teams submitted the proposals: **54**
No of Shortlisted teams: **45**
No of registered teams: **34**

Themes

1. Health Care
2. Agriculture & Rural Development
3. Energy
4. Environment
5. Others

Evaluation Committee

Sr.No	Judge Name	Judge Details	Domain Expert
1	Mr. Shreekant Shiralkar,	Principal Consultant, Tata Consultancy Services. Mumbai	Data Science Energy
2	Mr.Gangan Rajendra	Founder and Executive Chairman, Conbuss Online Manufacturing Pvt Ltd	Energy
3	Dr. Sushil Thale	Dean R&D and Professor Dept. of Electrical Engineering, Fr. C. Rodrigues Institute of Technology, Vashi	Agriculture Others
4	Dr. Hemant Khanolkar	Dept. Of Humanities, Fr. Conceicao Rodrigues College of Engineering, Bandra-west	Healthcare and Environment
5	Mr. Manthan Dakshini	Co-Founder, Brillmax Private Limited, Mumbai-400064	Mechanical
6	Ms. Kamakshi Anantharaman	Client Engagement Manager, Quantiphi Analytics Solution Private Limited. Mumbai	Machine learning and Artificial Intelligence
7	Prof. Swati Ringe	Department of Computer Engineering, Fr. Conceicao Rodrigues College of Engineering, Bandra-west	President- IIC FrCRCE
8	Prof. Dileep Chandra	Department of Humanities, Fr. Conceicao Rodrigues College of Engineering, Bandra-west	IIC Convenor faculty
9	Prof. Kranti Wagle	Department of Electronics Engineering, Fr. Conceicao Rodrigues College of Engineering, Bandra-west	IIC Member faculty

Top three teams were declared immediately at the end of session:

First prize Winners: Idea - “Analysis of growth and planning of urbanisation and correlated changes in natural resources" , Participants Name: Edwin clement, Joshua Noronha,

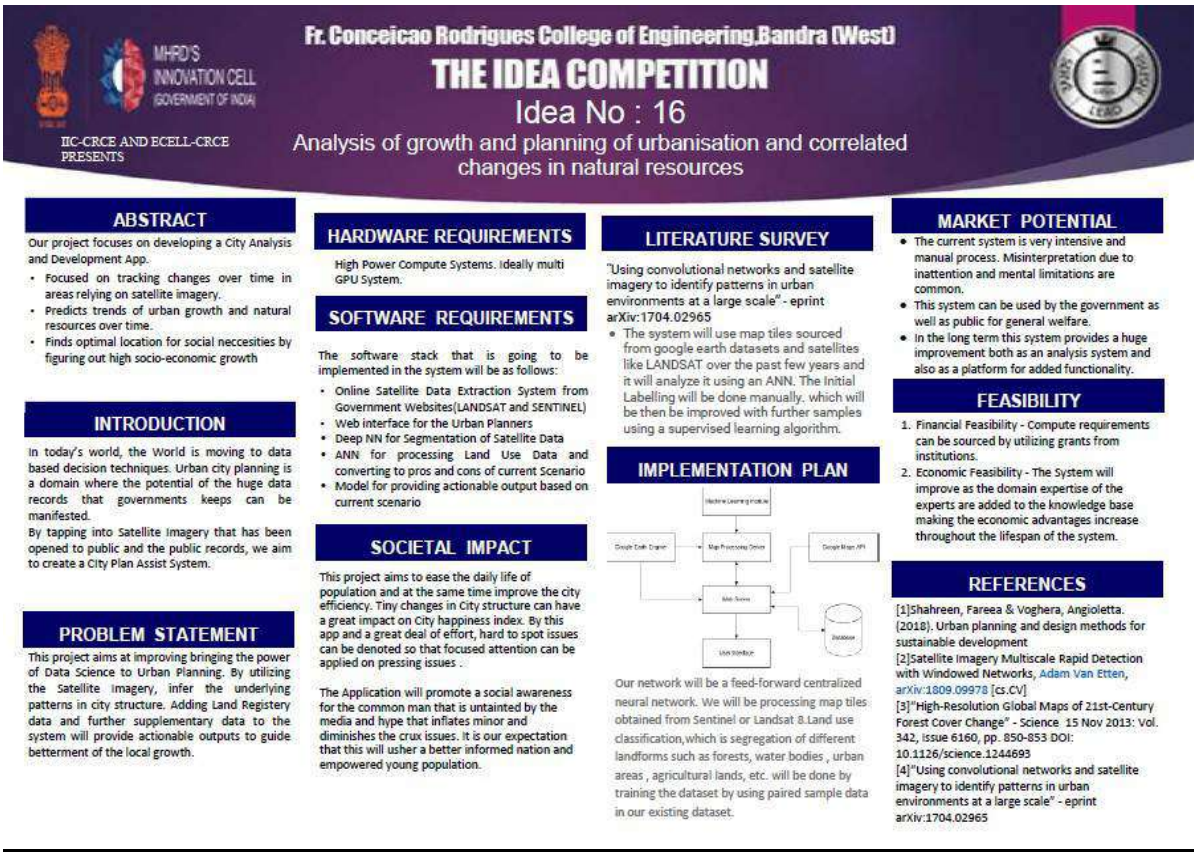
Second Prize Winners: Idea -" IOT grid" , Participants Name: Edwin Clement, Joshua Noronha, Edison Arulraj

Third Prize Winners: Idea-" Tezz Logistics", Particpants Name: Prakhar Saxena, Ashoktezz B., Atharva Mane

Shortlisted Teams

Rank	Idea-No.	Idea-No.	Theme
1	Idea-2019-16	Analysis of growth and planning of urbanisation and correlated changes in natural resources	Environment
2	Idea-2019-37	IOT grid for smart city	Others
3	Idea-2019-54	Tezz Logistics	Others
4	Idea-2019-48	PsyCare-Mental Health Analyzer and Tracker	Healthcare
5	Idea-2019-43	Fingerprint Enabled Voting System	Others
6	Idea-2019-29	Bed Management software	Healthcare
7	Idea-2019-19	Solid Waste Management	Environment
8	Idea-2019-57	SEE-SAW STRAP CLAMP	Environment
9	Idea-2019-52	Application/web pages that identifies available parking spaces.	Others
10	Idea-2019-2	Virtual Assistant for Agriculture	Agriculture
11	Idea-2019-30	SAATHI: chatbot	Healthcare
12	Idea-2019-8	Agrotech : Jute based irrigation	Agriculture
13	Idea-2019-4	Real time object detection and weather Forecasting	Agriculture
14	Idea-2019-56	Bio-inspired Robotics, Amphibians frog Robot	Others
15	Idea-2019-49	Dynamic traffic signal control system	Others
16	Idea-2019-18	Citizen Feedback on Maintenance of Roads	Environment
17	Idea-2019-41	Facial Recognition Ticket Checking	Others
18	Idea-2019-5	E-Farmer	Agriculture
19	Idea-2019-58	Energy through open gym.	Energy
20	Idea-2019-14	Aerial Water Harvesting System using Theroresponsive Electrospun Fibres and Unmanned Aerial vehicle	Environment
21	Idea-2019-33	Brain Computer Interface	Healthcare
22	Idea-2019-1	Virtual Assistant Application for farmers	Agriculture
23	Idea-2019-39	Intellectual property Facilitation Centre management	Others
24	Idea-2019-53	Smart ATM	Others
25	Idea-2019-9	Smart Battery System	Energy
26	Idea-2019-38	Block chain based certificate validation	Others
27	Idea-2019-11	Block chain enabled energy storage and distribution solution	Energy

Sample Poster of Idea Presented.



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 : 16

Analysis of growth and planning of urbanisation and correlated changes in natural resources

ABSTRACT

Our project focuses on developing a City Analysis and Development App.

- Focused on tracking changes over time in areas relying on satellite imagery.
- Predicts trends of urban growth and natural resources over time.
- Finds optimal location for social neccesities by figuring out high socio-economic growth

INTRODUCTION

In today's world, the World is moving to data based decision techniques. Urban city planning is a domain where the potential of the huge data records that governments keeps can be manifested.

By tapping into Satellite Imagery that has been opened to public and the public records, we aim to create a City Plan Assist System.

PROBLEM STATEMENT

This project aims at improving bringing the power of Data Science to Urban Planning. By utilizing the Satellite Imagery, infer the underlying patterns in city structure. Adding Land Registery data and further supplementary data to the system will provide actionable outputs to guide betterment of the local growth.

HARDWARE REQUIREMENTS

High Power Compute Systems. Ideally multi GPU System.

SOFTWARE REQUIREMENTS

The software stack that is going to be implemented in the system will be as follows:

- Online Satellite Data Extraction System from Government Websites(LANDSAT and SENTINEL)
- Web interface for the Urban Planners
- Deep NN for Segmentation of Satellite Data
- ANN for processing Land Use Data and converting to pros and cons of current Scenario
- Model for providing actionable output based on current scenario

SOCIETAL IMPACT

This project aims to ease the daily life of population and at the same time improve the city efficiency. Tiny changes in City structure can have a great impact on City happiness index. By this app and a great deal of effort, hard to spot issues can be denoted so that focused attention can be applied on pressing issues .

The Application will promote a social awareness for the common man that is untainted by the media and hype that inflates minor and diminishes the crux issues. It is our expectation that this will usher a better informed nation and empowered young population.

LITERATURE SURVEY

"Using convolutional networks and satellite imagery to identify patterns in urban environments at a large scale" - eprint arXiv:1704.02965

- The system will use map tiles sourced from google earth datasets and satellites like LANDSAT over the past few years and it will analyze it using an ANN. The Initial Labelling will be done manually. which will be then be improved with further samples using a supervised learning algorithm.

IMPLEMENTATION PLAN

Our network will be a feed-forward centralized neural network. We will be processing map tiles obtained from Sentinel or Landsat 8.Land use classification,which is segregation of different landforms such as forests, water bodies , urban areas , agricultural lands, etc. will be done by training the dataset by using paired sample data in our existing dataset.

MARKET POTENTIAL

- The current system is very intensive and manual process. Misinterpretation due to inattention and mental limitations are common.
- This system can be used by the government as well as public for general welfare.
- In the long term this system provides a huge improvement both as an analysis system and also as a platform for added functionality.

FEASIBILITY

1. Financial Feasibility - Compute requirements can be sourced by utilizing grants from institutions.
2. Economic Feasibility - The System will improve as the domain expertise of the experts are added to the knowledge base making the economic advantages increase throughout the lifespan of the system.

REFERENCES

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[2]Satellite Imagery Multiscale Rapid Detection with Windowed Networks, Adam Van Etten, arXiv:1809.09978 [cs.CV]

[3]"High-Resolution Global Maps of 21st-Century Forest Cover Change" - Science 15 Nov 2013: Vol. 342, Issue 6160, pp. 850-853 DOI: 10.1126/science.1244693

[4]"Using convolutional networks and satellite imagery to identify patterns in urban environments at a large scale" - eprint arXiv:1704.02965

Sample Evaluation sheet:

Fr.Conceicao Rodrigues College of Engineering
Idea Competition 2019

Reviewer(s) Feedback

ID					
Title					
(Not appropriate – 0, Most appropriate – 4)					
	0	1	2	3	4
Proposal 's suitability for the Competition					
Correlation between work done and title					
Originality					
Novelty					
Societal Impact					
Technical and Financial Feasibility					
Market Survey					
The technical content of the idea in terms of Theory is:					
Excellent	Good	Moderate	Poor		
The technical content of the idea in terms of Application is:					
Excellent	Good	Moderate	Poor		
Significant contribution of the idea to the theme:					
Excellent	Good	Moderate	Poor		
In this proposal- English and technical writing is:					
Excellent	Good	Moderate	Poor		
Overall paper rating:					
Excellent	Good	Moderate	Poor		
Comments to Students (Please write legible or type and use additional sheet if necessary):					

Organized By ECell-CRCE and IIC-CRCE, under MHRD, Govt. of India.

Participants Feedback Form

Fr. C. Rodrigues College of Engineering
MHRD IIC-Fr.CRCE and ECELL-CRCE presents

THE IDEA COMPETITION 2019

PARTICIPANT FEEDBACK FORM

Rate the following on scale of 5 (maximum) to 0 (minimum)

- **Your overall experience of presenting in competition** ☐
- **Idea Competition was up to your technical expectations** ☐
- **Technical team was prompt and helpful throughout** ☐

You would like to be contacted about such similar technical events in future (Tick the appropriate option) **YES / NO**

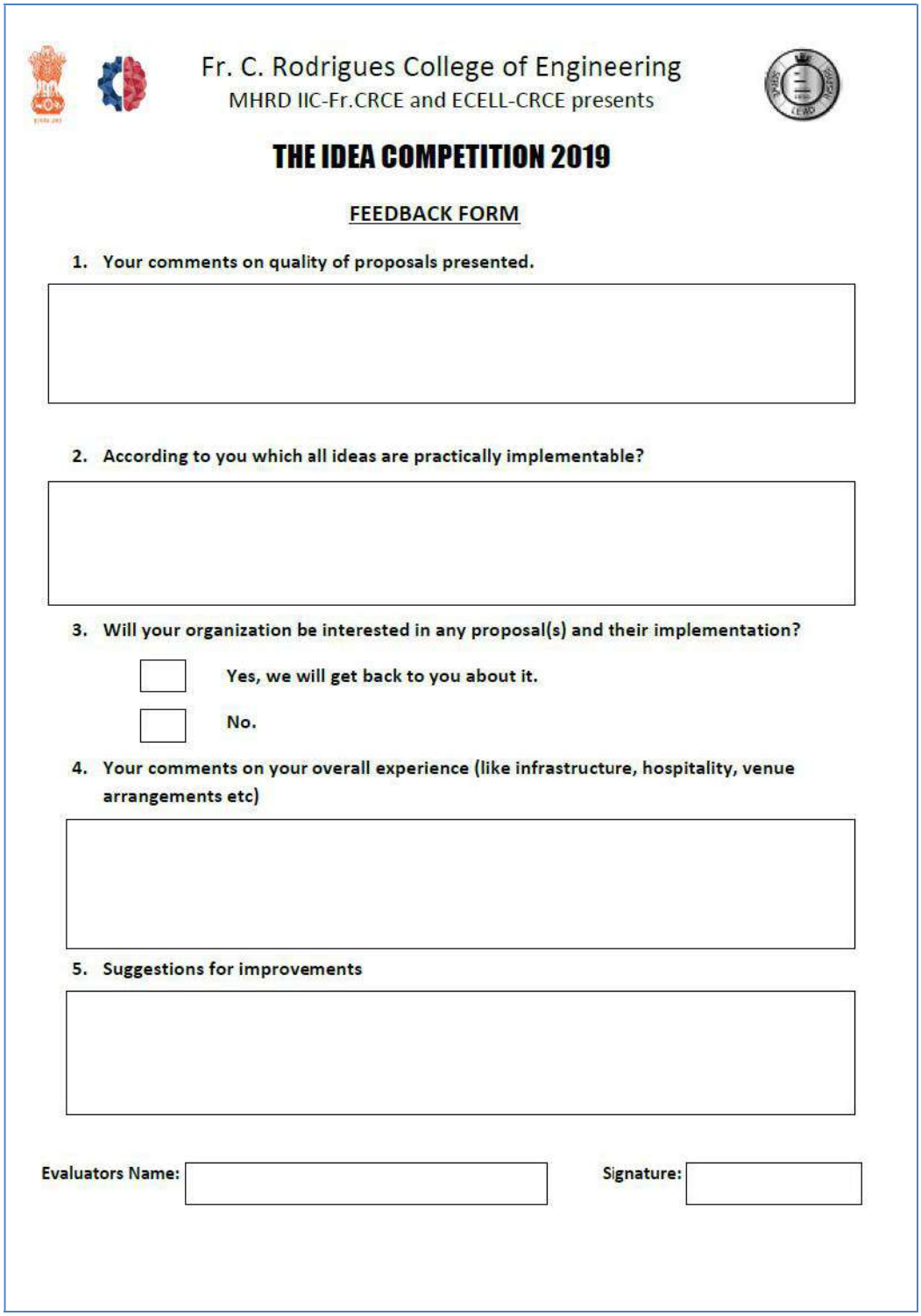
How did you come to know about Idea Competition? (Tick the appropriate option below)

Crescendo Poster **Online Media** **Friends** **PR Message**

Give your suggestions for improvements

Idea No and Signature:

Judges Feedback Form



Fr. C. Rodrigues College of Engineering
MHRD IIC-Fr.CRCE and ECELL-CRCE presents

THE IDEA COMPETITION 2019

FEEDBACK FORM

1. Your comments on quality of proposals presented.

2. According to you which all ideas are practically implementable?

3. Will your organization be interested in any proposal(s) and their implementation?

   ☐ Yes, we will get back to you about it.

   ☐ No.

4. Your comments on your overall experience (like infrastructure, hospitality, venue arrangements etc)

5. Suggestions for improvements

Evaluators Name: Signature:

Shri Ajit Doval,
nal Security Advisor, Govt. of India

MHRD MIC SMART INDIA HACKATHON 2019

INDIA FIRST LEADERSHIP TALK SERIES

Talk on: Art of Decision Making

Tuesday, 19 March 2019, 11:30 A

Watch on

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SUN TV #596
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MHRD'S INNOVATION CELL (GOVERNMENT OF INDIA) www.mic.gov.in/live.html

mhrd_innovation

Report of Webinar Session on India's First Leadership Talk Series-Episode 03

The webinar organized by MHRD's Innovation cell was a live session for "**India first leadership talk series**" by *Mr. Ajit Doval* , National security advisor was an informative and inspiring program.

Name of the event: *Webinar on **Art of Decision making** by Mr. Ajit Doval, National Security Advisor, Govt.of India.*
Date of event: ***March 19th2019***
Location of the event: *Samvaad hall of CRCE College*.
Sponsoring organisation: *MHRD Innovation Cell (MIC)*
Total of students attended: **239**
Total of Faculty members attended: **21**

In the beginning **Ms. Sakshi Ghadigaonkar** and **Ms. Anu Thomas** introduced *shri. Ajit Doval* (*National Security Advisor, Govt. of India.)* to the participants of webinar.

Webinar Summary

India Leadership Talk Series-Episode 03 webinar on "Art of Decision Making" was organized on 19th March 2019 at Fr. CRCE College in Bandra-west , sponsored by the Ministry of Human Resources Development Innovation Cell also known as MIC. The objective of the webinar was to help the young minds in making firm decisions and to impart them with the ways to deal with problems faced during the process. The one hour long session was started at 11.30AM. The students participated in huge numbers, so IIC-FrCRCE members arranged extra chairs for some of the participants. The host had compiled a list of questions among the 900 questions Posted by the students and they were mostly sensitive security issues of the nation.

The questions to Mr. Dovalji consisted of the following enquiries -

1) Psyche of a person when making a critical decision.
2) Considerations that should be given during a tough decision.
3) Some personal experiences which helped shape his psyche.
4) Future of war and terrorism in the coming years.
5) Growing use of technology in intelligence agencies.

Some of the questions which were asked are as follows-:

Question 1.

What should be the mind-set or psych of a person while making a critical decision?

The speaker replied by pointing out that each person is different and what matters is making a vital decision. The person should brace himself for the worst circumstances possible and this can be only be achieved by self confidence, enough preparations

and with a belief that whatever decision you have made is correct. You should be ready to improvise based on the consequences with the help of a contingency plan.

Question 2.

What considerations do you take while making a tough decision which may have long term repercussions?

The speaker answered this question with the example of the Kashmir issue and how it could have been resolved in the bud. Tough decisions should be taken only after doing an objective analysis of the circumstances, problems, resources, etc. The state of mind should also be calm and clear. Then we should make a list of solutions or options to the problem and choose the one which is most cost effective and fulfils the objectives.

Question 3.

Would you like to share with us some experiences of yours which has helped in developing your psyche?

The speaker shared his experience of childhood. Being a loner, he had developed a sense of self dependency and lead to the rise of a never give up attitude in him. Even his coach in boxing used to praise him in his unique quality of never giving up. No matter how many times he was beaten or bruised, he would never come out of the ring. According to the speaker, his level of tolerance is high and this is what made him different from others. According to him, there may be many circumstances in life which may affect your psyche; what matters is how you respond to that situation.

Question 4.

In this era of technology, what do you think the future of war and terrorism would be?

According to the speaker, the wars in future will be conducted in other ways instead of the conventional way because it has become unaffordable due to invention of various weapons of mass destruction. As for terrorism it has become easier for terrorists to infiltrate a nation due to increase in technology and hence it has become very important to come up with various means to cope up with these factors.

Question 5.

Do you think that various technologies produced by today's youth are taken up by the intelligence agencies as shown in the movie Uri?

The speaker replied that the intelligence agencies like NSA have their own technology to use and even if they plan to undertake a idea from a person, it would be done in secrecy, having no idea on who and why they have undertaken the technology. According to him, the most important part is that the students keep on finding innovative solutions as they are the building blocks of the nation.

Question 6.

What advice would you like to give to the students in helping the nation become a safe and secure place?

According to the speaker, the current youth is knowledgeable enough for the need of any tips. He only had one advice to give and it was that the person should remember his identity as an Indian and should be proud enough to be an Indian without being a selfish one who only cares about himself.

The session ended at 12.30PM and it was equally appreciated by all the students which can be seen by the huge applause given by the audience at the end.

Feedback from an IIC student member:

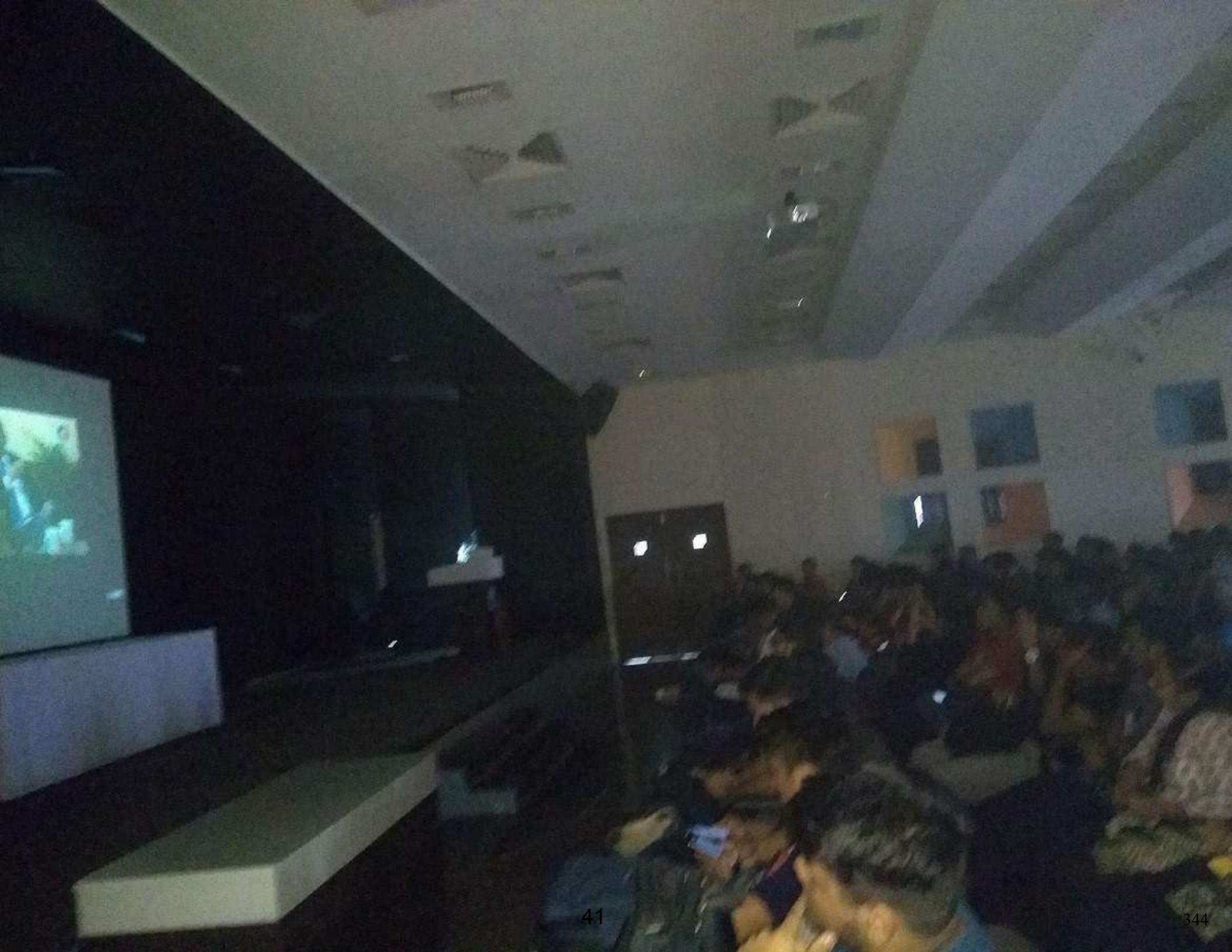
It was an inspiring session that helped us to understand about an Art of Decision Making. The speaker threw light upon questions like how to achieve objectives and how to select options. Decisions taken are never wrong or right. It is the way you execute or work towards it makes the difference. Some of the quotes used by speaker were

“Taking right decision is not as important as making the decision right”

“Validate your assumptions. Always!”

“Every day in your life is the first day of your life”

ELNINO ROSARIO
TE Electronics, Fr.CRCE Bandra-west



Institution Innovation Council

(IIC-FRCRCE)

Session on

"IPR for Faculty and Students"

Date: 10th Jan 2019 Time: 10.30-12.30

By

Dr. Bhushan Patil

Dean Research- Fr. CRCE

Post event summary report

Name of the Event: *Workshop on IPR By Dr.BhushanPatil*

Date of Event: *January 10th2019*

Location of the event: *Samvaad Auditorium of Fr.CRCE College*.

Event organized by: *MHRD Innovation Cell (MIC)*

Total % of students attended:

Total % of Faculty members attended:

Seminar summary

On January 10th, an interactive and informative workshop on Intellectual Property Rights(IPR) conducted by Dr.Bhushanpatil (Professor and dean of Research and Development of Fr.CRCE College) was organized at Fr. CRCE College in Bandraby the Maharashtra Human Resources Development Innovation cell also known as MIC; whose objectives are to create a vibrant innovative ecosystem by encouraging and inspiring innovations and thus develop better cognitive development in technological students.

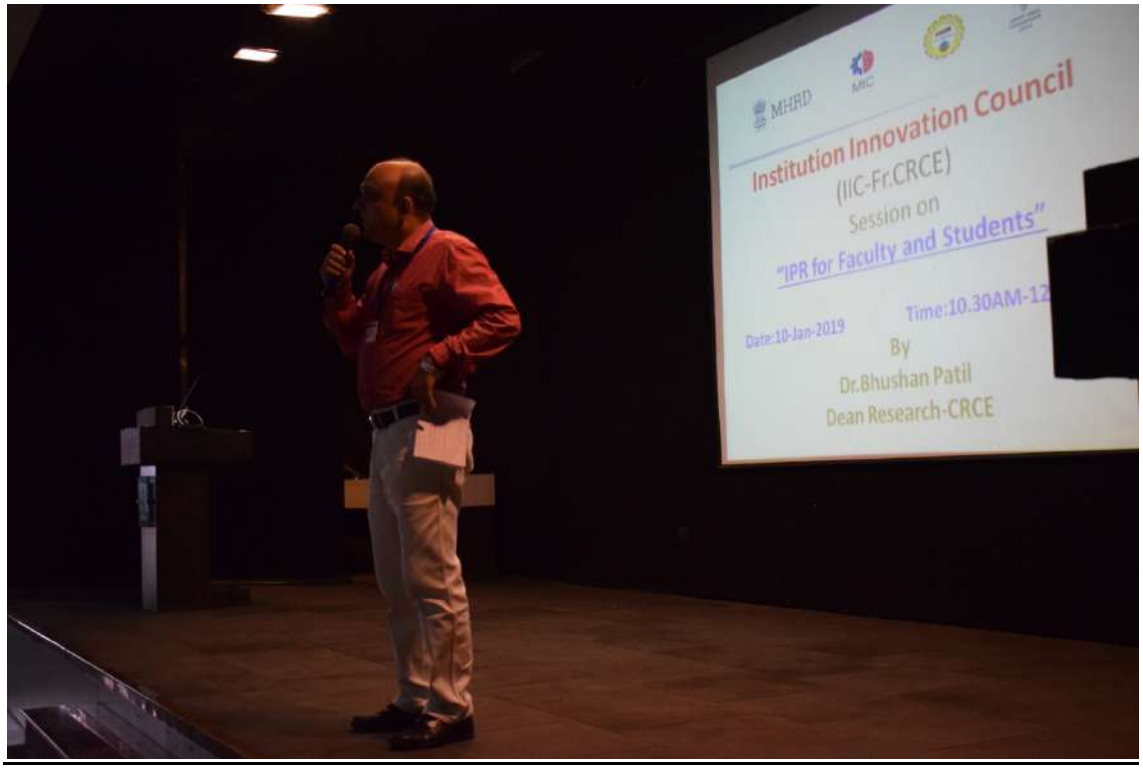
The two hour long workshop attended by almost every student and faculty members of the Third Year of Engineering started at 10.30 am. It was based on the importance of IPR, its types,etc. The speaker began first by pointing out the difference between intellectual property and intellectual property rights followed by explaining the different types of intellectual property rights like Copyright, Patents, Trademarks,etc. Each of the 8 IPRs explained individually with examples and a casual language for its easy understanding made it a fun experience. The main focus of this workshop was to explain to the students the process of filling a patent and the conditions required for it. The students were encouraged to make at least one innovative invention which is patentable as he said ," The progress of a countrydepends upon its technology and who else to expect it if not from you students of the technical field". The laws regarding

IPR and function of the national body which protects it was also briefly explained by the speaker.

The workshop ended at 12.15 after which the various inquiries of students regarding the IPR and topics related to it were answered by the speakerwho was later designated with a letter of appreciation by the council and a grand applause from the students.

MHRD
MIC
Institution Innovation Council
(IIC-Fr.CRCE)
Session on
"IPR for Faculty and Students"
Date:10-Jan-2019
Time:10.30AM-12.30PM
By
Dr.Bhushan Patil
Dean Research-CRCE

MHRD
MIC


MHRD
MIC
Institution Innovation Council
(IIC-Fr.CRCE)
Session on
"IPR for Faculty and Students"
Date:10-Jan-2019
Time:10.30AM-12
By
Dr.Bhushan Patil
Dean Research-CRCE

Report of Offline Session on IPR for faculty and students

Seminar on **"Intellectual Property Rights"** for faculty members and students was proposed by MIC and organized by IIC-FrCRCE at Father Conceicao Rodrigues College of Engineering Bandra on 10th January 2019 at 10.30AM to 12.30PM in the auditorium Samvad. **Dr. Bhushan Patil, Dean Research, Fr.C.R.C.E. bandra** was the speaker for the event. The session was attended by 28 faculty members and 209 students from all the branches enthusiastically. The session was conducted with many real life examples.

Summary of Dr. Bhushan Patil's seminar is as follows:

Intellectual property is any type of property that's a result of one's creativity. It is only when an individual reveals his invention to the public and is awarded a patent that he/she becomes eligible to exploit the IPRs for his/her invention.

A nine-year-old child from Rajasthan invented a 6-player chess game. Hence, being granted a patent is "irrespective of age".

Two songs were played, one by Kumar Sanu and the other by Mohammed Rafi. However, the latter ignored copyrights.

Plagiarism, photocopying and republishing are a few examples of copyright infringement.

The different types of IPRs are as follows:

Trademarks: Examples of violations were shown - that of widely recognised consumer goods "lays" and "bisleri" as against fake brand "legs" and "biloori" respectively.

Patent: this is an IPR granted to someone who discloses his invention. An application for patent must meet following criteria:

- Invention is “novel”, and that the product has not already been patented.
- Whether the invention is “industrially reproducible”.

Conditions for approval

- Patent shall not be given if two or more products already patented are combined to produce a new product. With no new or additional function.
- Term of Patent is 20 years after which it becomes available to the public.

Copyrights: These are IPRs that impose restrictions on copying literary, dramatic and artistic works.

Plagiarism and photocopying are falling under this category. If a person is found guilty of plagiarism, it could lead to cancellation of the copied work.

- The duration of copyrights is the lifetime of the author + sixty years for literary, dramatic and artistic works and sixty years from the date of publishing for anonymous, posthumous, sound records etc.
- An example of the importance of the need to file for copyrights was given in Kumar Sanu and Mohammed Rafi case. The latter did not enforce his copyrights, while Kumar Sanu did so.

Geographical Indication: These are IPRs that are for protecting the interest of local communities.

- Examples of geographical indications are Kolhapuri chapals which are made in Kolhapur and Darjeeling tea.
- The term of a GI is 10 years and can be renewed.

Trade Secret: These are secrets that unlike other IPRs are NOT revealed to the public.

- Examples are agreements between a company and the company heads to keep the "formulas" of the company's products confidential.

The need for IPRs is to incentivise Research and new product development. If there are no IPRs, new products, technology, other creative products would be copied by others and the Inventor or Creator of any new works cannot profit from his or her creation. Consequently, people and organizations will not invest "time and resources" into research.

In today's world, there is a growing demand for better technology. This new technology can only be achieved through investing in research. Hence the need for protection of one's intellectual property.

This session received a very good Participation from students and Faculty Members. Students and Faculties interacted proactively with the speaker.

The session was concluded with vote of Thanks and appreciation Letter given by our IIC President Prof.Swati Ringe.

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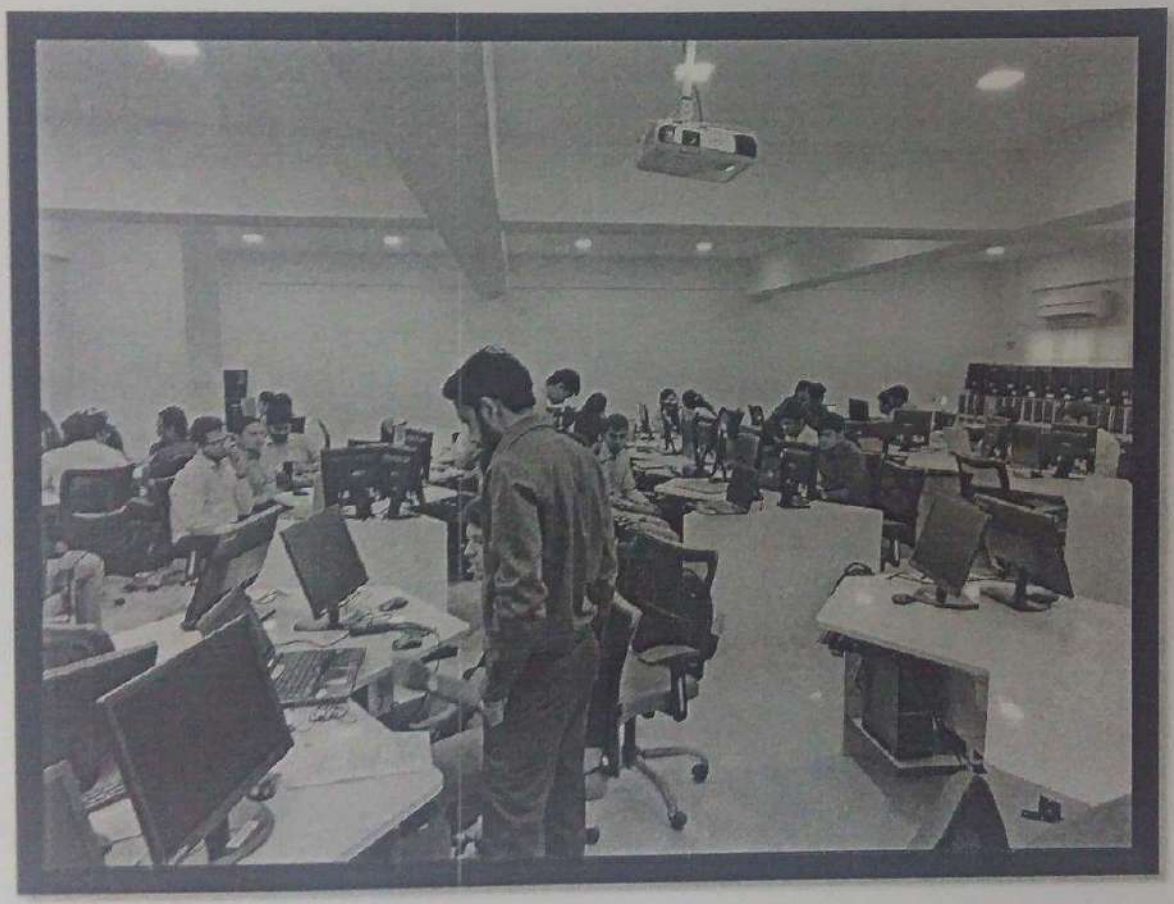
IEEE CRCE
Branch Code: 57B40351

Technical Project Presentation Competition

15th March 2019, FRCRCE

IEEE-WIE CRCE

CRESCENDO, a technical fest that is organised in FRCRCE every year, each council organises an event for this fest. Similarly, IEEE CRCE organised a technical project presentation competition for this fest, students from various engineering colleges across the city display their unique projects. This year was no different, 93 teams displayed their respective projects in this competition.



Teams setting up their projects.

The competition was categorized into two categories: Software and Hardware. Furthermore, the competition is separated into degree and diploma sections. The projects were based on smart communication, Healthcare & Biomedical, Robotics & drones and many more. The competition started around 11:00am, after the teams set-up their respective projects the judges started the judging of

projects. The judging was based on the idea, implementation, and presentation skills and based on the overall project. Two judges each judged the projects from each section and category. There were projects like Rubik's cube solver using machine vision, Street Light for Smart Cities, Defense mechanism using image processing and other such innovative projects.

Participants presenting their Project

After judging, judges shared their views on the projects they judged, after comparing their marks and views finally winners were decided for each category. The participants were very much excited while waiting for the results. Before the winners were announced, each judge shared their views with the participants and wished them for their futures. Winners were awarded with prize money and certificates. Similarly, participating teams were give participation certificates. Above all each participants earned valuable experience. The Project presentation Competition was a huge success. The competition received an overwhelming response.

IEEE CRCE
Branch Code: 57B460351

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CRCE

Reported by Aditya Daripkar.

(IEEE-WIE Documentation Head).

Prof. Parshvi shah
(Branch Counselor)

(Diploma Hardware)

ROOM NO. : 306

VENUE :- 1 LAB:- 1B

NAME	Project Title	COLLEGE	Year	TEAM ID	signature
Tejas Prakash Patankar Sanskruti Sandip Pawase Namita Sudam Kambali Sagar Suresh Khaire	Voice Based Guidance Stick For Blind People.	St. Xavier's Technical Institute	Final Year	B-01	
Shoumik nath Jaynarayan vaishnav	Hand gestures on computer using Arduino	Bhausaheb vartak polytechnic	3	B-02	
Rutwik Nerkar	EARTHQUAKE SAFETY BED	Thakur polytechnic	Third year	B-03	
Shivam londhe Shridhar panigrahy	Shah and anchor kutchhi polytechnic	Wireless noticeboard using gsm and arduino	3	B-04	
SAMIKSHA GANPATHI DODDAMANE	Touchscreen based odering system	Thakur polytechnic	Third year	B-05	
Praful kengar Pravin kuddupudi Aatish Mhaske Aniket kadam	Motion based message conveyer	Shah and anchor kutchhi polytechnic	3	B-06	

ROOM NO. : 307
VENUE :- 2 LAB:- 2B

NAME	Project Title	COLLEGE	Year	TEAM ID	signature
Hritik Maurya,Shefali Bajpayee	Smart Garage Door Opener	Vivekananda education society polytechnic	3rd	B-9	
Ankita Prakash kadam	SMART ROAD	Maratha madhir Babasaheb gawde institute of technology	3	B-10	
Sheetal Kamble	Coin Based Universal Mobile Battery Charger	Shah and Anchor Kutchhi Polytechnic	3	B-11	
Vidhi Shah Sakshi Madkholkar Ketaki Keluskar Shyam Nagichetty	FRIDGE-O-MATIC	Thakur Polytechnic	Third year	B-12	
Prajwal shingte Avinash kadam Sameer satpute Arjun ashokan	CNC plotter using ATMEL328 microcontroller and processor3	Dr. D.Y. Patil Polytechnic nerul navi mumbai 400706.	3rd	B-13	

LAB INCHARGE:- JOEL ALDEN

ON SPOT REGISTRATIONS

	NAME	PROJECT NAME	College name	branch name		Room number	Team ID	signature
(1)	-Vaibhav Tiwari -Vaidehi shelar -Lidiyea dominic	Smart Home	Father agnel Vashi	Extc		~~A33~~ 201	A33	
Seat	-ayushi raina - -							
On spot	-Magdeline James -Niel Shah -Hitashi tanna kunal kapande	Integligens Bus Monitoring	Shah & ANCHOR	Extc		201	A34	
Already Paid	-Maitreya pawar -Shivani Nagrane -Prithikumari	Capus payment using smart card	SNDT-(UMIT)	Electronics & Communication		108	C-13	
On spot	-Tejas Pagare -Pooja karande -Akshaykumar Chavan	Under ground cable fault	Shah & ANCHOR	Extc		201	A35	
On spot	-Mayuri Salve - -	detection using Ardino						

(2)

ON SPOT REGISTRATIONS

NAME	PROJECT NAME	College name	branch name		Room number	Team ID	signature
on - Sarang Muzammil - Rayyan Siddique - Amjad Altaf. - Shaheer Andani.	Automatic Grass Cutter	BGIT	EXTC		~~Language lab.~~ 306		on spot.
on - Ansari Armaan - Arun Verma - Sheikh Abdullah	wireless notice board	BGIT	EXTC		306.		Armaan ~~Abdullah~~ on spot
- - -							
- - -							
- - -							
- - -							

LAB : COMPUTER CENTRE (108)
VENUE: 1 LAB:1BC

NAME	Project Title	COLLEGE	Year	TEAM ID	signature
Vijay Banerjee, Jui Telavane, Pooja Gaikwad, Pallavi Vartak	Detection of Cyberbullying using Deep Neural Network	VIVA institute of technology	2019	C-1	
Harshit Rai Vishwas Singh Lalit Sinnarkar Vinay Vishwakarma	Explicit Content Censor (ECC)	FCRIT, Vashi	B.E.	C-2	
JAYA PRASAD HUMERA KHAN	ANTI-PLAGIARISM SOFTWARE	FCRIT, VASHI	TY	C-3	
Swapnaja Limkar , Austin Dsouza, Ayushi bhatnagar	Java virtual machine on FPGA	FRCRCE	BE	C-4	
Mayur Dhanraj Pawar Pradnyesh Ramakant Patil Rahul Sanjay Patil	FPGA Implementation of Complex Number Multiplication using Vedic mathematics	Ramrao Adik Institute of Technology	BE	C-5	
Amit Chowdhury Rohit Phadke Balaji Dange	Language Identification using GPU computation	Ramrao Adik Institute of Technology	BE	C-6	
Amit Kawad(Team Leader) Moksh Khajanchi Ambarish Patankar	Financial Planner and Asset Allocation using Machine Learning	Fr. Conceicao Rodrigues College Of Engineering	B.E	C-7	
Aniket Sonavane Shubham Parakh Prabha Choudhary Atharva Rishi	Gujarati Script Recognition	FCRIT-Vashi	BE	C-8	
Bhanugoban Nadar, Shweta Kadam	Smart chatBot: SQL query prediction using Sketch Syntax and Seq2Seq	Father Conceicao Rodrigues college of Engineering	BE	C-9	
Amruta Shah Rini Ratnakar Surabhi Shanbhag	A method to compute Mean-Squared Error for images using Urdhva Tiryagbhyam Vedic Sutra	Ramrao Adik Institute of Technology, Navi Mumbai	BE	C-10	
Ashish Hemant Jog Omkar Anil Jugade Atharva Shrikant kadegaonkar	Underwater Image Enhancement using novel Wavelet Based Fusion	Ramrao Adik Institute of Technology	Final Year	C-11	

LAB INCHARGE :- **SWAROOP**
KOMAL
NIHAL
KHUSHI

LAB : COMPUTER CENTRE (108)
VENUE: 1 LAB:1BC

NAME	Project Title	COLLEGE	Year	TEAM ID	signature
Edwin clement Joshua noronha Ruth peter Christine Tharian Joann Tharian	Analysis of growth and planning of urbanization and corresponding change in natural resources	Fr crce	BE	C-12	
Preeti Kumari ,Maitreya Pawar, Shivani Nagrale	Campus Payment System Using Smart cards	Usha Mittal Institute of Technology	Final year	C-13	
SAGAR PANCHAL OMKAR NAVALKAR PRASAD JADHAV	Automated Solar Tracking System for Efficient Energy Utilisation.	VIVA Institute of Technology	B.E. EXTC	C-14	
SOHAM NAIK OMKAR BHUSHANKAR NILAY BIRMOLE AKSHAY ATHWALE	SMART NUMBER PLATE RECOGNITION AND TOLL DEDUCTION	VIVA Institute of technology	BE EXTC	C-15	
SUMIT MONDAL SHASHWAT MISHRA ANUJ GUPTA MAYURESH PAWAR	FACE DETECTION AND RECOGNITION USING NEURAL NETWORKS	VIVA INSTITUTE OF TECHNOLOGY	BE EXTC	C-16	
edwin clement ruth peter joshua noronha edison arulraj	Street Light for Smart cities	fr.conceicao rodrigues college of engineering	fourth and third year	C-17	Alloted.
Shweta Yadav Viraj Kadam Rohan Parange Roshni Jaiswar	Bus Tracking System Without using GPS	Xavier Institute of Engineering	Final year(BE)	C-18	
Pratik Chowdhury Arpita Isaac Elvis Dsouza	Presenting Obstacles Around An Aerodrome	Fr Conceicao Rodrigues College of Engineering	Second	C-19	
Pratik Chowdhury Arpita Isaac Rahim Chunara Mahesh Desai	Smart Monitor	Fr. Conceicao Rodrigues College of Engineering	Second Year	C-20	
MAYUR SHAH ANIL PANDEY RONAK GALA	Android Based Online Student Railway Concession Application	SAKD	TY	C-28	

LAB INCHARGE :- **SWAROOP**
KOMAL
NIHAL
KHUSHI

LAB : VLSI (211)
VENUE: 2 LAB :2C

NAME	Project Title	COLLEGE	Year	TEAM ID	signature
Ankit Jain, Suranjan Mhashilkar, Meraj Shaikh	"YANAKA" A Digitize RTO Document Verification System	VIVA Institute of Technology	Degree	C-21	
Shweta Yadav Viraj Kadam Rohan Parange Roshni Jaiswar	Bus Tracking System Without using GPS	Xavier Institute of Engineering	Degree	C-22	
Priyanka Gawade. Nayan Shah William Michael Dipchand Maurya Darshana Mane	Emergency Tracer	Shah & Anchor Kutchhi Polytechnic	TY diploma	C-23	
SIDDHI SANKPAL Prathamas Dhas Amey Nagotkar Bhavesh Sadawarti	FPGA BASED BRAILLE KEYBOARD FOR BLINF PERSON	BABA SAHEB GAWDE INSTITUTE OF TECHNOLOGY	TY diploma	C-24	
Rishabh.S.Singh Srikant.V.Kamath Priyal Dumralia Kesha Mehta	E-Mate	Thakur Polytechnic	TY diploma	C-25	
Tanushka Mishra	AutismExpress	Shah and Anchor kutchhi polytechnic	TY diploma	C-26	

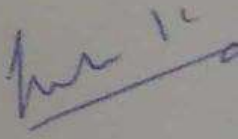
LAB INCHARGE :- **SWAROOP**
KOMAL
NIHAL
KHUSHI

LAB : DIGITAL ELECTRONICS AND COMMUNICATION LAB(303)

VENUE :- 1 LAB :- ' 1A '

NAME	PROJECT NAME	COLLEGE NAME	BRANCH NAME	TEAM ID	SIGNATURE
PRANALI SHIVAJI BHOITE	SEKTROO : SMART AUTOMATED PESTICIDE SPRINKLING BOT	VIVA	BE	A-01	
SHWETA MELAVANE ISHA LANJWAL	DC TO DC BOOST CONVERTER USING MICROCONTROLLER	SPIT	BE	A-02	
PARTH THANEKAR PRACHI SHEDGE AJINKYA GIRI	RUBIK'S CUBE SOLVER USING MACHINE VISION	RAIT	SE	A-03	
AMEY SONJE AMOGH GAJARE YOGESH TEMBE	UNDERGROUND ELECTRICAL CABLE FAULT DETECTION AND INSPECTION ROBOT	UNDERGROUND ELECTRICAL CABLE FAULT DETECTION AND INSPECTION ROBOT	SE	A-04	
SANHITA VICHARE	HEALTH MONITORING SYSTEM USING GSM	KC COLLEGE	BE- ELECTRONICS AND TELECOMMUNICATIONS	A-05	
PRACHI YERAM ,CLINTON D'SOUZA, OMKAR SWAMI, SHOBIN THOMAS	SMART GLOVES	FCRIT, VASHI	TE	A-06	

LAB INCHARGE :

PROJECT NAME	COLLEGE NAME	BRANCH NAME	TEAM ID	SIGNATURE
AGRI-FI COPTER WITH AV TRANSMISSION AND PAYLOAD DROPING SYSTEM	VIVEKANAND EDUCATION SOCIETY'S INSTITUTE OF TECHNOLOGY	SE	A-07	
MULTIFUNCTION SIGNAL GENERATOR	SPIT	TE	A-08	
CHARANATRA: AN INNOVATIVE SMART ASSISTANCE FOOTWEAR FOR VISUALLY IMPAIRED PEOPLE	VIVA INSTITUTE OF TECHNOLOGY	BE-ELECTRONICS AND TELECOMMUNICATION	A-09	
SMART HOME AUTOMATION SYSTEM USING IOT	THEEM	TE	A-10	
SIMULATION OF SMALL PUNCH TEST AT ROOM & CRYOGENIC TEMPERATURES	FR. CONCEICAO RODRIGUES INSTITUTE OF TECHNOLOGY	BE	A-11	

LAB : PCB LAB (309)

VENUE :- 3 LAB :- '3A'

NAME	PROJECT NAME	COLLEGE NAME	BRANCH NAME	TEAM ID	SIGNATURE
1. LIBIN KALEECKAL 2. ABRAR UPADHYE 3. EDWIN VINCENT	FAULT DETECTION IN CENTRIFUGAL PUMPS USING VIBRATION ANALYSIS AND ARTIFICIAL NEURAL NETWORKS	FR. CONCEICAO RODRIGUES INSTITUTE OF TECHNOLOGY	BE	A-13	
CRISPIN LOBO SARFARAJ PRADEEPTI GUPTA HARSH BENHALKAR	SMART FARM ASSISTANT	DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING		A-14	
ANKIT,SHUBHANGI, PRIYA	IOT BASED SMART GARBAGE MONITORING SYSTEM	AC PATIL COLLEGE OF ENGINEERING	SE	A-15	
SHIVAM SHRIVASTAV, AKASH PUJARI, VIKRAM PATIL, ATHARV JOSHI	VOICE CONTROLLED CAR	XAVIER INSTITUTE OF ENGINEERING	SE	A-16	
TECH BULLS	HYDROPONIC SYSTEM WITH ARTIFICIAL SUNLIGHT	UNIVERSAL COLLEGE OF ENGINEERING	TE	A-17	
1.ANIKET PATIL 2.ROHAN PATIL 3.BHUSHAN PANGAM	POWER QUALITY IMPROVEMENT STRATEGIES AND TECHNIQUES USING HARMONIC FILTER	ATHARVA COLLEGE OF ENGINEERING	BE	A-18	

LAB INCHARGE :

LAB : DIGITAL ROBOTICS AND AUTOMATION LAB(310)

VENUE :- 4 LAB :- '4A'

NAME	PROJECT NAME	COLLEGE NAME	BRANCH NAME	TEAM ID	SIGNATURE
VISHAL SONI ADITI CHAPLOT SMIT PARMAR	SMART FARM	UNIVERSAL COLLEGE OF ENGINEERING	TE	A-19	
JOVAN MENEZES, BHAVIK PANCHAL, SHUBHANKAR DAS	DEVELOPMENT OF AUTONOMOUS HEXAPOD ROBOT FOR MAPPING AND NAVIGATION	FR. CONCEICAO RODRIGUES INSTITUTE OF TECHNOLOGY, VASHI	BE	A-20	
SHRIKRISHNA PAI ATHARVA GHODEGAONKAR SAKTHIVEL NADAR TEJAS KOTHAWADE	DISH SERVING AND COLLECTOR BOT IN A RESTAURANT	VIVEKANAND EDUCATIONAL SOCIETY INSTITUTE OF TECHNOLOGY	SE	A-21	
POOJA BISHT, DIPANJALI GAVIT, PALLAVI SAKHARE	FINGERPRINT BASED LICENCE VALIDATION SYSTEM FOR DRIVING	USHA MITTAL INSTITUTE OF TECHNOLOGY	BE	A-22	
MOHITOSH CHAUDHARI JAGRUT JADHAV RAHUL CHANDAN SNEHAL BONDRE	DEFENCE MECHANISM USING IMAGE PROCESSING	RAMRAO ADIK INSTITUTE OF TECHNOLOGY	TE	A-23	
JOSEPH PATOLE CHINMAY MORE GAURAV KOLAPATE	SECURITY SYSTEM AND AUTOMATION USING RASPBERRY PI	FR. CRCE	BE	A-24	

LAB INCHARGE :-

CLASS ROOM NO. :- 302

VENUE :- 5 LAB :- ' 5A'

NAME	PROJECT NAME	COLLEGE NAME	BRANCH NAME	TEAM ID	SIGNATURE
Prashant Singh Aman Takshak Tahmeena Solkar Tejashri Kakde	Portable Attendance System	Viva institute of technology	BE	A-25	
DEEPAK PANDEY VAISHNAVI PAWAR BHAVIKA PATIL SONAL PATIL	FM RADIO STATION USING RASPBERRY PI3	VIVA INSTITUTE OF TECHNLOGY	BE	A-26	
Fernandes Mark Maxi Jacob Mathew Rohit V. Marathon Anand Namboothiri	AC Chiller Plant Prototype	Fr. Conceicao Rodrigues College Of Engineering	SE	A-27	
ATUL YADAV SUMAN MONDAL OMKAR PATIL SHUBHAM TIWARI	LORA COMMUNICATION	VIVA INSTITUTE OF TECHNOLOGY	BE	A-28	
Intelligent	Vehicle black box using micro controller	Viva institute of technology	BE	A-29	
Shravan Deepak Singh, Vedant Parag Mahajan	ELECTRONIC TOLL BOOTH	Xavier institute of engineering	SE	A-30	

LAB INCHARGE :-

IEEE – WIE (FR. CRCE)
INDUSTRIAL &EDUCATIONAL
VISIT REPORT

AUTOLITE INDIA LIMITED
KANSARA BEARINGS LIMITED
WINDMILLS CO
DIVYA SWITCHGEAR

27TH DECEMBER 2018
TO
3RD JANUARY 2019

IEEE – WIE (Fr. CRCE) Industrial Visit Report
Autolite India Limited-Windmills-Divya Switchgear-Kansara Bearings Limited-Rajasthan

IEEE – WIE INDUSTRIAL VISIT

1. Overview & Details

Type of Visit	Industrial Visit (IV) and Educational Visit
Name of Industries Visited	• Autolite India Limited • DivyaSwitchGear • Kansara Bearing Limited
Industry Specialization	• Autolite Limited Manufactures Halogen Bulbs, LED lamps, Head lamps etc. • DivyaSwitchGear Manufactures various electronic components like special purpose panels, electrical distribution panel etc • Kansara Bearing produces Taper, Cylindrical, Thrust, Spherical rollers
Name of site for Educational Visit	• Windmills
Staff Members & Student Details for the Visit	Prof. HeenaPendhari ,Dr.Joseph Rodrigues & a total of 24 students from S.E. & T.E. Divisions of Electronics Engineering
Dates / Duration	27th December 2018 to 3rd January 2019 (8 days)

2. Motivation for Industrial & Educational Visit

Industrial visits are an integral part of engineering. The purpose ofindustrial visit for students is to provide technical knowledge, to learn more about the technological development in the industry, and to understand the gapbetween the theoretical and practical knowledge that could be passed in future.

This experience can help students to provided information regarding functioning of various industries and associated problems andlimitations. Interacting with industries helps in enhancing interpersonal skills and in understanding do's and don't's in industries.

3. Visit toAutolite India Limited.

The group departed to Jaipur via train on 27th December 2018 and after the long and eventful journey, reached Jaipur in the morning. After checking in the hotel and freshening up, the group reached the premises of ***Autolite India Limited***.

A senior member from the HR department welcomed the group. After briefing the group about what the company specializes in, the group was split in two teams and then guided to the manufacturing and assembly division of the plant. The first thing the group saw after entering the plant was an array of fully automated machines. The production of the halogen bulbs was separated in two section, the manufacturing and assembly section. It takes about 40 steps for manufacturing a halogen bulb. Each step had a separate machine for it. Moreover, each step went through strict quality control, ensuring the best quality products for the customer. The visit helped students understand the organisation and functioning of the manufacturing unit for Halogen bulbs.

The visit was very enlightening for the students.At the end of the sessionthe head of HR department of Autolite was honoured by Dr.Joseph Rodrigues and Prof.HeenaPendhari with an appreciation letter and memento.After that the students visited Meenabazzar for shopping on the next day the visited Amer Fort, JantarMantar, City Palace .The group left for Jaiselmer with happy memories.

Visit to Autolite Limited, Jaipur

At City Palace, Jaipur

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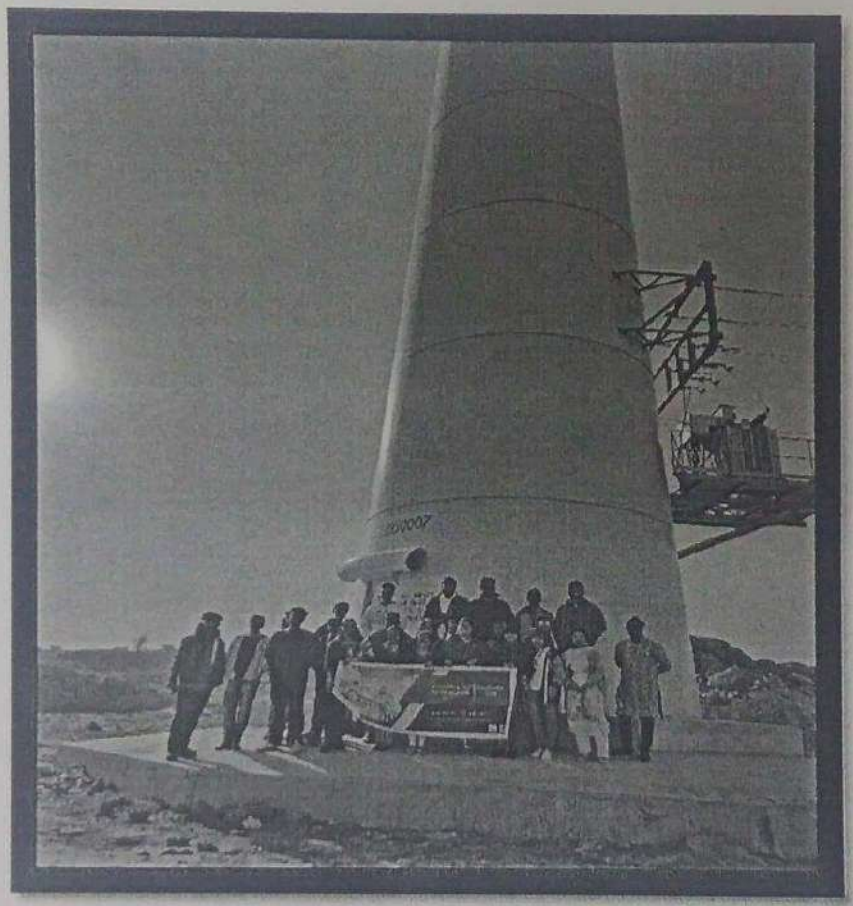
4. Windmills

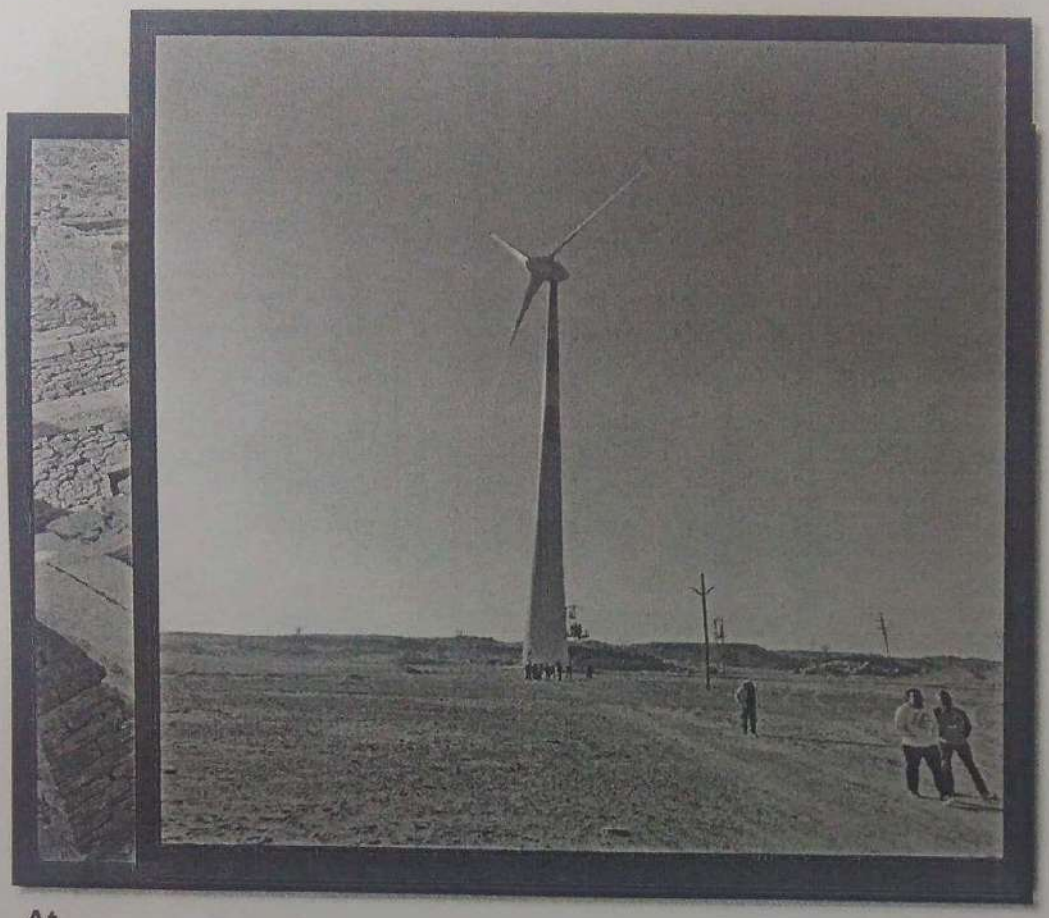
On 30th December 2018 the group reached Jaisalmer in the morning they had their stay in Swiss Tents on that day. The group relished the experience of desert safari on camels, night safari and traditional folk dance.

On the next day the group visited the Wind Park. The students learned about the cost of instalment of windmills, how much power is generated by a single windmill, how a windmill works and much more. The students also learned that engineers maintain each windmilldaily, windmills can also be leased.

Overallit was a very informative visit. After having an amazing experience at Jaisalmer the group left for Jodhpur.



Visit to Windmills, Jaisalmer



At

Kuldhara, Jaisalmer

5. Divya Switchgears

On 2nd January 2019 after having their breakfast the group had an industrial visit to ***DivyaSwitchGears***.Divya Switchgear is reckoned as an eminent Manufacturer and Supplier of Electrical Components. We offer a wide range of high performing products that includes Junction Boxes, Electric Control Panels, Special Purpose Panels, Auto Transformer, and many more.

In DivyaSwitchGears Students were introduced to different to working and manufacturing of different control panels. Most of the plant had pre made electronic components, whichwere being assembled by the workers. The group was guided by the in-charge of the plant. He showed them the complete working of an electrical distribution panel,Auto transformer starter panel and a few other of their products.

At the end of the visit, student s got a chance to discuss with the engineers. It was an amazing experience that provided the students with exposure to an electronic component manufacturing industry. After honouring the in charge of the company, the group moved towards the next industry.

Visit to DivyaSwitchGear, Jodhpur

At Mehrangarh Fort, Jodhpur

6. Kansara Bearings Limited

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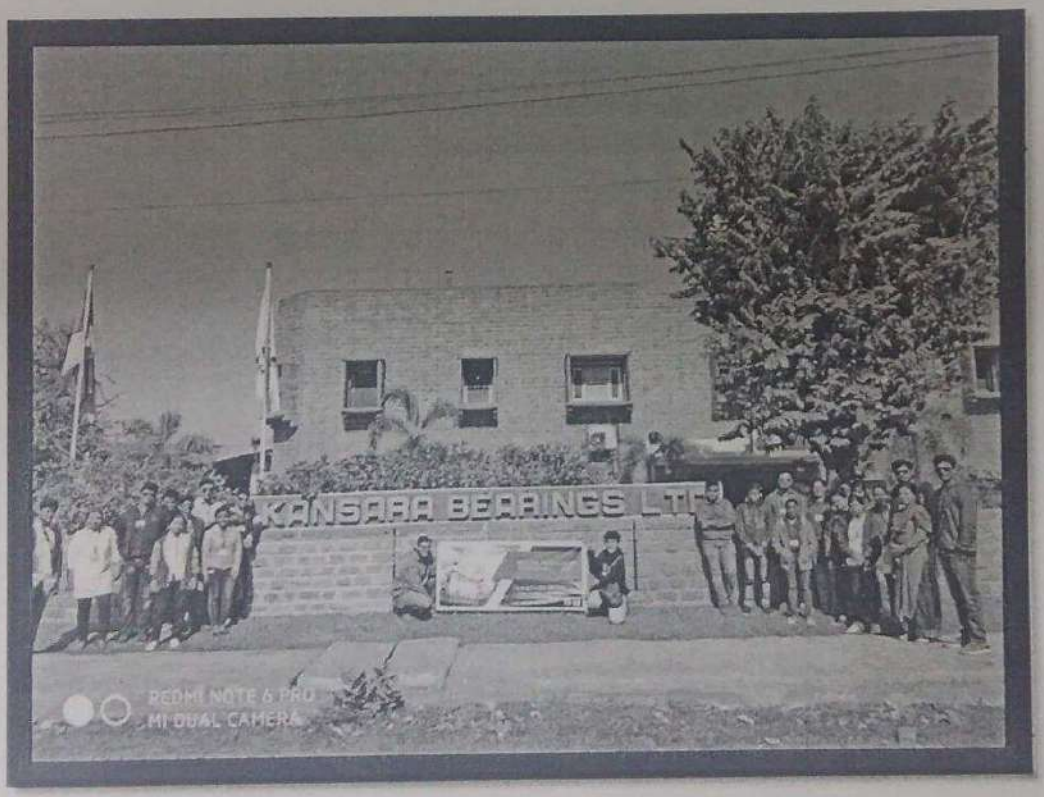
Autolite India Limited-Windmills-Divya Switchgear-Kansara Bearings Limited-Rajasthan

After visiting DivyaSwitchGears the group moved towards Kansa Bearing Limited.***Kansara Bearings Limited*** is asuper-specialist and professionally managed organization committed to manufacturing high-precision world-class rollers for bearings. KansaraBearingshad the biggest plant of the industries visited by the group.The company also exports most of its products to foreign countries like Germany, Spain, France . The students were first introducedto the concept of bearings. It is a very simple components but it has many applications in machines having high load and low rpm.

Kansara bearing manufactures Taper, Cylindrical, Thrust, Spherical rollers. Among all this different types of rollers, Taper rollers is the forte of Kansara Bearing. Even if it is a very small part, it goes through many steps before it is packed and delivered like Sourcing Raw Material, Design & Tooling, Cold Forging, Heat Treatment, Grinding and Packaging.

One of the most important lessons the group learned is from what the manager of the plant said, which is ***'You cannot win tomorrow using yesterday's tools'*** ,he added that similarly you have to improve your knowledge to prepare for the future.
The Visit at Kansara was very fruitful for the students. After honouring the manger for their hospitability the group left for jodhpur station for their return journey back to Mumbai.



Visit to Kansa Bearings Limited, Jodhpur

IEEE – WIE (Fr. CRCE) Industrial Visit Report
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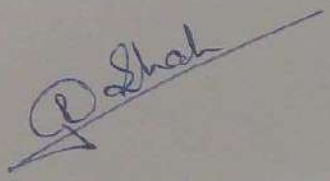
7. Conclusion & Acknowledgement

The visits to the various industries were informative,the students learned about production of various types of bulbs and lamp in Autolite Limited. They learned about generation of wind energy when they visited the Jaisalmer Wind Park. At DivyaSwitchGear in Jodhpur students learned about the manufacturing process of various electrical components. At KansaraBearings Limited students learned about the manufacturing of Bearings.

Besides developing their technical knowledge, student also got exposure towards the industrial scenario. The visit helped students to go beyond academics, the industrial visit provided the students a practical perspective.

All the staff & students acknowledge IEEE – WIE council, Prof.Parshvi Shah and Prof.SushmaNagdeote. The group was grateful for the permission granted by Dr. D. V. Bhoir, Professor & Head of Electronics Engineering Department &Dr.SrijaUnnikrishnan, Principal of the Fr. Conceicao Rodrigues College of Engineering (Mumbai).

Reported by Aditya Daripkar.
(IEEE-WIE Documentation Head).



Prof. Parshvi shah
(Branch Counselor)

Proofs of workshops/Seminars organized on Research Methodology, Intellectual Property Rights (IPR) and Entrepreneurship (2017-18)

Two Days FDP on

Research Methodology and Statistical Techniques in Research

Organised By

Dept. of Production Engineering, Fr. CRCE, Bandra

REGISTRATION FORM

Name:	
Designation:	
Institution:	
Address:	
Phone:	
Email:	
Details of Payment:	**DD* / Cheque* / NEFT** / cash**
DD/Cheque No:	**Date:**
Bank:	
Signature of Participant:	
Date:	

*DD/Cheque can be drawn in favour of "Fr. Conceicao Rodrigues College of Engineering", payable at Mumbai)

**Details for NEFT

Institute Name	Fr. Conceicao Rodrigues College of Engineering
Name of the Bank	CORPORATION BANK
Name of the Branch	BANDRA(W), MUMBAI 400050
Branch Code	0120
NEFT IFSC Code	CORP 0000120
Type of Account(10/11/13)	SB (Code- 10)
Account No.	520141000955023

PATRONS

Rev. Fr. Peter D'Souza: Local Superior
Rev. Fr. Valerian D'Souza :Director
Dr. Srija Unnikrishnan :Principal

CONVENORS

Prof. D. S. S. Sudhakar
Head of Department,
Department of Production Engineering
Email : sudhakar@frcrce.ac.in

Dr. V. S. Jorapur
Head of Department (In-charge),
Department of Production Engineering
Email : jorapur@frcrce.ac.in

COORDINATORS

Prof. Ketaki Joshi – Asst. Prof.
Mob.: 9833192523
Email:ketaki.joshi@fragnel.edu.in

Prof. Deepika Singraur – Asst. Prof.
Mob.: 8369699147
Email: deepika.singh@fragnel.edu.in

VENUE

Department of Production Engineering
Fr. Conceicao Rodrigues College of Engg.

Phone: 022-67114000 Fax: 022-67114200
E-mail: crce@frcrce.ac.in
Website: http://www.frcrce.ac.in

National Level

Two-Days

Faculty Development Program (FDP)

On

RESEARCH METHODOLOGY AND STATISTICAL TECHNIQUES IN RESEARCH

9th and 10th March 2018

ORGANISED BY

Department of Production Engineering

Fr. Conceicao Rodrigues College of Engineering

ABOUT THE COLLEGE

Fr. Conceicao Rodrigues College of Engineering (CRCE), Mumbai is an **'A' grade** college established in 1984 by the Society ofSt. Francis Xavier, and is named after its founder **Late Fr. Conceicao Rodrigues.**

Our College offers Bachelor Degree courses in **Production Engineering,** Electronics Engineering.. Computer Engineering and Information Technology. The college also offers Masters and Doctoral courses in Mechanical Engineering and Electronics Engineering. The college is located at Bandstand, Bandra in a picturesque environment surrounded by the Arabian Sea. The Institute is approved by AICTE and affiliated to University of Mumbai. The UG programs Production Engineering, Electronics Engineering and Computer Engineering are provisionally ***accredited by National Board of Accreditation.***

VISION AND MISSION

"Moulding engineers who can build the Nation"

Fr. CRCE has been a center of excellence in engineering education, moulding engineers with state-of-the art technologies, innovative skills and human values matching with the growing expectations of corporates and society, and thus plays an effective role in nation building.

HIGHLIGHTS OF THE PROGRAM

- Basic understanding of research, research methodology and statistics
- Demonstration of Statistical techniques prominently used in research
- Discussion on Approach and preparation towards research

PROGRAM SCHEDULE

Day1:

(Time: 9:30 a.m. to 3:30 p.m.)

- Inauguration
- Key note Lecture on basics of research methodology and statistics in research
- Theory session on Basics and types of Research, Research methodology, Types of Data, Descriptive Statistics, Sampling Strategies, Probability and Probability Distribution, Hypothesis Testing

Day2:

(Time: 9:30 a.m. to 4:00 p.m.)

- Demo Session on Statistical Techniques prominently used in research
- Discussion on Approach and Preparation towards Research Studies
- Valedictory Function and Closure

TARGET AUDIENCE

- Faculty members from varied engineering dis
- Ph.D. students from varied engineering discip

KEY NOTE SPEAKER

Dr. Usha Ananthakumar

Professor, Shailesh J. Mehta School of Managen
IIT, BOMBAY

RESOURCE PERSONS

Dr. V.S. Bilolikar, Fr.CRCE

Dr. V. S. Jorapur, Fr. CRCE

Dr. B. T. Patil, Fr. CRCE

Dr. A. B. Rane, Fr. CRCE

Prof. Ketaki Joshi, Fr.CRCE

REGISTRATION FEES

Participant fees : **INR 1,200/-**

Last Date of Registration : 7th March 2018

29 January 2018

To,

The Principal,

Fr. Conceicao Rodrigues College of Engineering,
Bandra, Mumbai-400050

Subject: Request for Approval regarding Conduction of two-days FDP on "Research Methodology and Statistical Techniques in Research" on 9th and 10th March 2018.

Respected Madam,

Department of Production Engineering is willing to conduct two days FDP on "Research Methodology and Statistical Techniques in Research" on 9th and 10th March 2018. This FDP will be held with an objective of providing a basic understanding of research, research methodology and statistical techniques that can be used in research.

On day 1, participants will be gaining knowledge about basics of research, research methodology and statistics. On day 2, participants would develop understanding of statistical techniques in research though demo session of various statistical techniques that are prominently used in research followed by discussion on approach and preparation towards research.

The Details of projected Income and Expenditure is attached. Kindly Approve the above FDP.

Yours Faithfully

Head of Department
(Production Engineering)

Rev. Fr. Valerian,
Kindly approve.

31/1

Projected Income Expenditure Statement For FDP on Research Methodology and Statistical Techniques in Research (9&10 March 2018)

Income		**Expenditure**	
Details	Amount	Details	Amount
Registration Fees @1200	24000	Remuneration to Resource Persons	4000
(Number of Participants)		Food Expenses	13500
20		Flowers and other hospitability Expenses	300
		Stationery Kits	4000
		Certificates and Banners	1200
		Excess Income Over Expenditure	1000
Total	**24000**	**Total**	**23000**

29 January 2018

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Bandra, Mumbai-400050

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Yours Faithfully

Head of Department
(Production Engineering)

Rev. Fr Valerian,
Kindly approve.

31/1

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING

Fr. Agnel Ashram, Bandstand, Bandra (W) - 400050

PRODUCTION ENGINEERING

Organizing Committee for Two days FDP on "Research Methodology and Statistical Techniques in Research" to be conducted on 9th and 10th March 2018

Sr.No	Committee	Member
1	FDP Coordinators	Prof. Ketaki Joshi Prof. Deepika Singh
2	Brochure Preparation, Banner Design and printing, Certificate design and printing	Prof. M.V.B. Rao Prof. Ketaki Joshi
3	Publicity and Advertisement	Dr. V. S. Jorapur Dr. Bhushan Patil Prof. Ketaki Joshi Prof. Deepika Singh
4	Finance and Accounting	Dr. Vasim Shaikh Prof. M.V.B. Rao
5	Registration and Enrollment	Prof. Deepika Singh Prof. Yogesh Rampariya
6	Food Arrangement	Prof. Dipali Bhise Prof. Deepika Singh
7	Session management and Venue management	Prof. Prasad Kawade Prof. Hitendra Vaishnav
8	Hospitability and Invitation	Prof. Deepika Singh Prof. Ketaki Joshi

Head of Department

(Production Engineering)

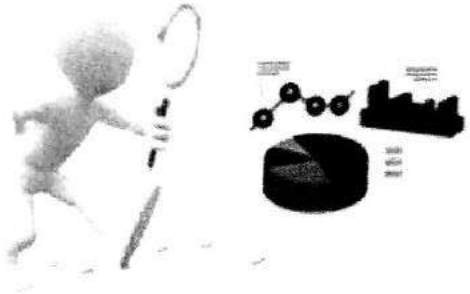
Fr. Conceicao Rodrigues College of Engineering

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

(Affiliated to University of Mumbai & Approved by AICTE, New Delhi)

Department of Production Engineering

Certificate of Participation



This is to certify that _____ *has participated in National Level 2-Day Faculty Development Programme (FDP) on* ***Research Methodology & Statistical Techniques in Research*** *held on 9th and 10th March 2018 in Fr. Conceicao Rodrigues College of Engineering, Bandra (W) – 50.*

Convener *Head of Deptt. (Production Engg.)* *Principal*

Fr. Conceicao Rodrigues College of Engineering

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

(Affiliated to University of Mumbai & Approved by AICTE, New Delhi)

Department of Production Engineering

Organizes

National Level Two-Days

Faculty Development Program (FDP)

On

Research Methodology & Statistical Techniques in Research

(9th and 10th March 2018)

To,
The Head of Department,
Humanities & Science Department
Fr. CRCE,
Bandra – 50

Date: 06/03/2018

Subject: Request for using seminar hall for Faculty Development Program on 9th March, 2018

Respected Madam,

We are conducting a 2 days FDP on Research Methodology and Statistical techniques in Research. Kindly allow to conduct this program in seminar hall on 9th March, 2018 from 9:00 a.m. to 3:30 p.m. Kindly approve.

Thanking You.

O.K
Sunday
07/03/18

Yours Sincerely

Deepika Singh S.
Program Co-ordinator

cc: Exam Cell
Rumao Sir (for mike arrangements)

To,
The Head of Department,
Humanities & Science Department
Fr. CRCE,
Bandra – 50

Date: 06/03/2018

Subject: Request for using seminar hall for Faculty Development Program on 9th March, 2018

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O.K
Sunday
07/03/18

Yours Sincerely

Deepika Singh S.
Program Co-ordinator

cc: Exam Cell
Rumao Sir (for mike arrangements)

9 March 2018

Note to the Principal: Participants, Faculty and Staff members attending college on 10th March 2018 for FDP

The department of Production Engineering has organized FDP today and tomorrow. 21 participants have registered for the program, who will be attending the program tomorrow on 10th March.

Following faculty/staff members will also be coming to college on 10th March 2018 for arrangement of faculty development programme on "Research Methodology and Statistical Techniques in Research" organized by Department of Production Engineering.

1. Dr. V. S. Jorapur
2. Dr. Vasim Shaikh
3. Prof. Ketaki Joshi
4. Prof. Deepika Singh
5. Prof. M V B Rao
6. Prof. Prasad Kawade
7. Sebastian Dias

Kindly Acknowledge.

Head of Department
(Production Engineering)

09/03/18

Date 8/03/2018

To,

The Principal,

Fr.Conceicao Rodrigues College of Engineering,

Bandra-400050

Subject-Sponsorship of candidates for two days FDP on "Research Methodology and Statistical Techniques in Research" on 9th-10th March 2018.

Dear Madam,

Department of Production Engineering is organizingtwo days FDP on "Research Methodology and Statistical Techniques in Research" on 9th -10th March 2018.

Kindly approve sponsorship of following candidates for above mentioned FDP.

1. Prof. Sundary Prabavathy
2. Prof. Brijmohan Daga
3. Prof. Anant Tarase
4. Prof. Garima Tripathi
5. Prof. Binsy Joseph

Thanking You,

Head of Department

(Production Engineering)

08/03/18

Details of the Participants Registered for the Program for 2-Days FDP on "Research Methodology and Statistical Techniques in Research"

(9th and 10th March 2018)

Sr. No.	Name of the Participant	Name of the College	Fees Amount Paid	Mode of Payment
1	Shivsagar G. sharma	Fr. CRCE, Bandra	1200	Cash
2	Aishwrya S. Dandgawhal	FrCRCE, Bandra	1200	Cash.
3	Aniket I Suryawanshi	FRCRCE, Bandra	1200	cash
4.	Niraja D. Nagar	Fr. CRCE, Bandra	1200	cash
5.	Priyanka P Kulkarni.	FRCRCE, Bandra.	1200	Cash.
6.	Ambadas H. Auti	FRCRCE, Bandra	1200	Cash
7	Samhita Pashte	FRCRCE, Bandra	1200	Cash
8.	Javed Taili	MHSSCOE, Mumbai	1200	cash
9.	Santosh Dantale	S.S.J.C.O.E Dombivli	1200	cash
10.	Binsy Joseph	FrCRCE, Bandra	Sponsored	—
11.	Prathamesh Tendulkar	Fr. CRCE, Bandra	1200.	Cash
12	Kunal Kapadia	M	1200/-	Cash

Kunal Kapadia

13	B. S. Daga	Fr. CRCE, Bandra	Sponsored	~~Cash~~
14	Rajesh Bisane	st John Engg college palghar	1200/- cash	~~Cash~~
15	Vinod G. Surange	st. John College of Engg. Palghar	1200/- Cash	
16	ANANT M. TARASE	FrCRCE	SPONSERED	~~Cash~~
17	Sundary Prabavathy	FR. CRCE	SPONSORED	—
18	Garima Tripathy	FR. CRCE	SPONSORED	—
19	Geetha Subramanian	"	1200/- Cash	Cash
20	M.V.B. Rao	FR. CRCE	1200/—	Cash.
21	Deepika Singh. S.	FR. CRCE	1200/—	Cash.

2 Day Faculty Development Program on Research Methodology & Statistical Techniques in Research

Attendance Sheet

10/03/2018

S. No.	Name of Participant	Signature
1	Garima. T.	
2	Priyanka kulkarni	
3	Niraja D. Magar	
4	Rajesh L. Bisane	
5	VINOD G. SURANGE	
6	Ambadas H. Auti	
7	Shivsagar G. sharma	
8	Aniket T. Suryawanshi	
9	Samhita. Pashte	
10	Shivanja S. Dandgavhal	
11	Prathamesh Tendulka	
12	Deepika Singh S.	
13	Santosh S. Devtale	
14	Javed Tali	
15	Sundary S. Prabavathy	
16		

2 Day Faculty Development Program on Research Methodology & Statistical Techniques in Research

Attendance Sheet

09/03/2018

S. No.	Name of Participant	Signature
1	Priyanka P. Kulkarni.	
2	Niraja D. Magar	
3	Aishwarya S. Dandgawhal	
4	Aniket T Suryawanshi	
5	Shivsagar G. Sharma	
6	Ambadas H. Auti	
7	Samhita. Pashte	
8	Prathamesh S. Tendulkar	
9	Rajesh Bisane	
10	Vinod G. Surange	
11	Binsy Joseph	
12	Javed Tajli	
13	B. S. Daga.	
14	MVB Rao.	
15		

Feedback for 2-Days Faculty Development Program on
"Research Methodology and Statistical Techniques in Research"
(9th and 10th March 2018)
organized by Department of Production Engineering
Fr. Conceicao Rodrigues College of Engineering, Bandra

Please √ against your choice of option

1. Name of Participant

   Mr. Vinod G. Surange

2. Are you satisfied with content of the course?
   - ✓ Very Much Satisfied
   - Satisfied to some extent
   - Not satisfied at all
   - Can't Say
3. Do you find content of this programme useful for you?
   - ✓ To great extent
   - To some extent
   - Not useful
   - Can't Say
4. Are you satisfied with level of interaction between course instructors and you?
   - ✓ To great extent
   - To some extent
   - No interaction
   - Can't Say
5. Are you satisfied with other arrangements like breakfast,lunch--etc?
   - ✓ To great extent
   - To some extent
   - Not satisfied
   - Can't Say
6. Please rate this programme on 1(Low)-5(High) Scale.
   - 1
   - 2
   - 3
   - 4
   - ✓ 5
7. Any other comments/suggestions for the improvement of the programme:

   In future If possible kindly organize 5 Days FDP, so all topics can be covered in depth.

   Thank you for organizing this FDP. It will be helpful for me in future endevors.

Signature of the Participant

IEEE CRCE
Branch Code: STB60351

Fr. Conceicao Rodrigues College of Engineering
(Affiliated to University of Mumbai, Approved by AICTE, New Delhi)
Fr. Agnel Ashram, Bandstand, Bandra (West), Mumbai – 400050.
Phone: 022-26423841/42, Fax: 022-26516851
Website: sites.ieee.org/sb-crce, Email: ieee.crce@gmail.com

CRCE

Report on Technical Paper Presentation Seminar.

5th August , 2017 Fr.CRCE

IEEE CRCE .

IEEE Student Chapter of Fr.CRCE organized a seminar on Technical Paper Presentation on August 5th, 2017.The speaker for the seminar was Dr. Surendra Singh Rathod of Sardar Patel College of Engineering. This seminar was conducted with the aim to provide a clear insight into the Local, National & International Technical Paper Presentation which is very important for engineers who wish to propose & exhibit their ideas across the world.

This session commenced with an interactive doubt raising questions by the students pertaining to Technical Paper which helped in understanding the student's perspective of the Technical Paper. Following which the Agenda began with 'What is Technical Paper?' and the guidelines on 'How to Present the Technical Paper?' were explained. Various platforms for publishing a research paper were shown and how one should select the best platform to publish the Research Paper was discussed.

There was a brief description about the structure of the Research Paper i.e Abstract, Introduction, Implementation, Results Conclusion,etc. and then moved on to the Reference materials for the research paper wherein students were strictly guided about what should be their reference. Dr. S.S Rathod said *"A good reference indicates the perfect base of the*

Fr. Conceicao Rodrigues College of Engineering
(Affiliated to University of Mumbai, Approved by AICTE, New Delhi)
Fr. Agnel Ashram, Bandstand, Bandra (West), Mumbai – 400050.
Phone: 022-26423841/42, Fax: 022-26516831
Website: sites.ieee.org/sb-crce, Email: ieee.crce@gmail.com
IEEE CRCE
Branch Code: STB60351

research".The students were explained about *Plagiarism* and its various scenarios were revealed to the students.

Dr. S.S. Rathod believes that the sole purpose of research is "To See the Unseen that Exists". Finally he emphasized that the students must choose a single technical domain for research and adhere to it.

This seminar was very helpful to the students. It cleared many doubts pertaining to "Publication of research paper", "How to Write the Paper".. This seminar proved to be a successful event as the students now have a better understanding of the Technical Paper Presentation and gave an overwhelming positive response. The total Participation for the Seminar was 47 students across all Branches.

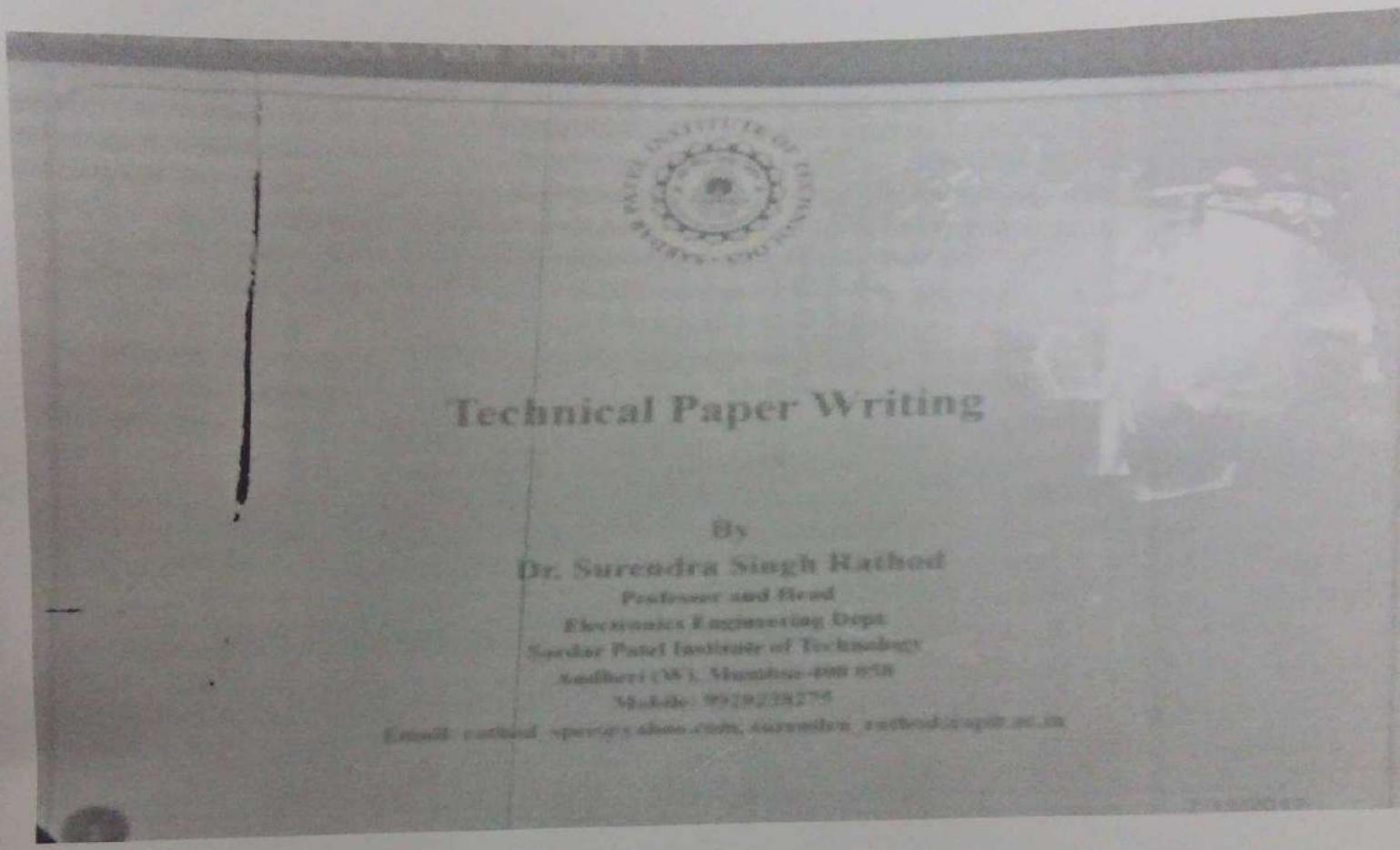
7/08/17

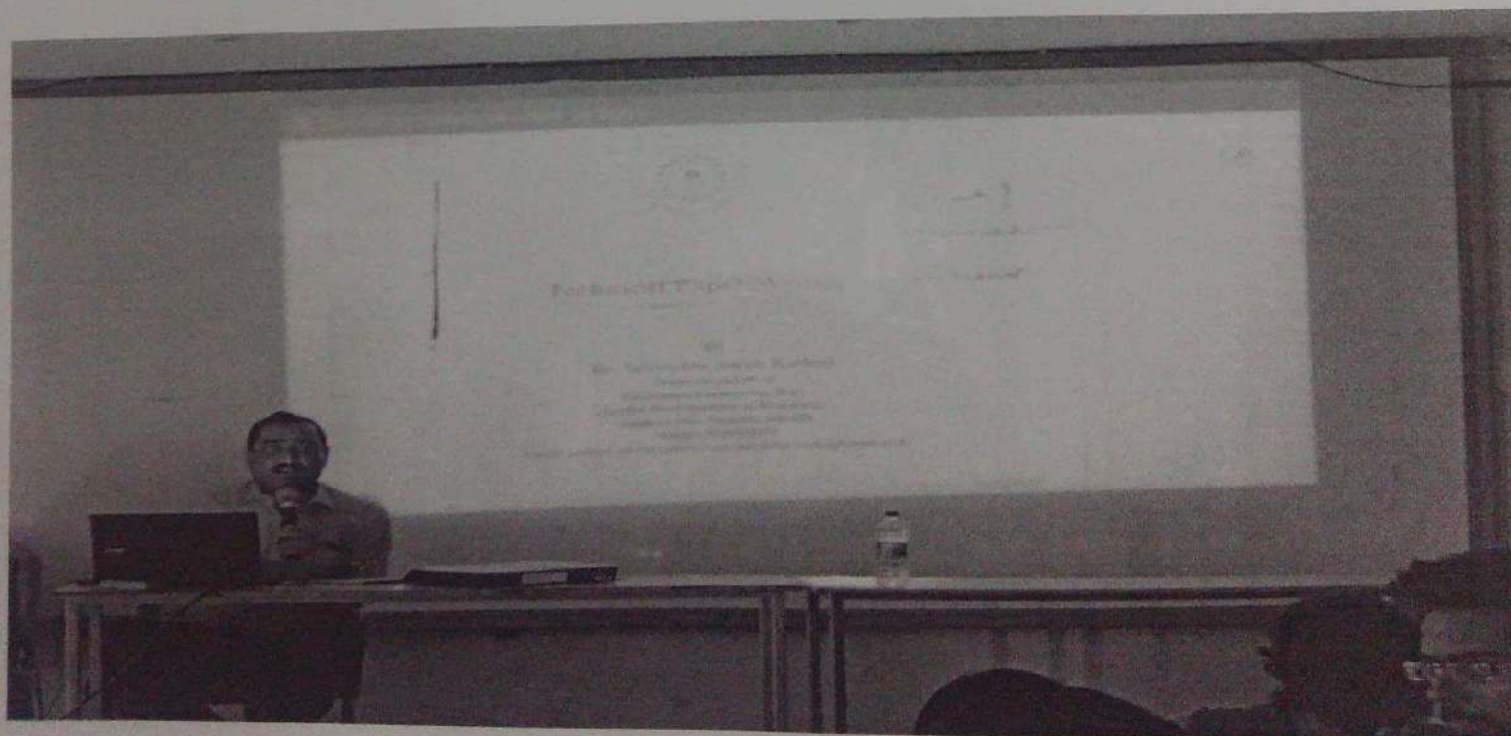
Reported by Stanley Ricky

SE Representative (IEEE - CRCE).

7/8/17

Branch Counsellor(IEEE-CRCE)


Technical Paper Writing
By
Dr. Surendra Singh Rathod



Fr. Conceicao Rodrigues College of Engineering
(Affiliated to University of Mumbai, Approved by AICTE, New Delhi)
Fr. Agnel Ashram, Bandstand, Bandra (West), Mumbai – 400050.
Phone: 022-26423841/42, Fax: 022-26516831
Website: sites.ieee.org/sb-crce, Email: ieee.crce@gmail.com
IEEE CRCE
Branch Code: STB60351

Gmail

Pallavi Mohokar <pallavimohokar08@gmail.com>

(no subject)

1 message

Shashwati Shende <shashashende@gmail.com>
To: pallavimohokar08@gmail.com

Mon, Aug 7, 2017 at 12:27 PM

Hello Friends!!□□□
Placement Season is Here!!!!!

Whether your aim is to get placed in a *dream company* or you want to pursue *higher education* in a reputed institute it is important to have an *attractive CV*!

And a *Nationally or Internationally published Technical Paper* can be a Crown Jewel of any good CV!

Now a lot of questions may pop in your mind !

What exactly is a technical paper?

How to go about converting your ideas into a great technical paper?

What is the correct way to write a technical paper?

But no need to worry!

Every question you have about writing a *Technical Paper* will be answered in the *Seminar* organized by *IEEE CRCE*!!

The seminar will be conducted by *Dr. S.P Rathod HOD Electronics Department at the Sardar Patel Institute of Technology*.

He will teach you how exactly to shape your ideas into a precise and informative technical paper!

□The Seminar Will *Cost only Rs.50*

□It will be held on *5th Aug* between *10 a.m. to 12 p.m.*

□Venue: *5th Floor Seminar Hall*

□College Address:
Fr. Conceicao Rodrigues College Of Engineering
Bandstand,Bandra West Mumbai-400050

□College Information:
https://g.co/kgs/r8uiL2

□ *Important:Please* *don't forget to carry your college ID card*

Those who are interested please fill up the Google form Attached below!

For more information Contact:
Pranit: 9029906986
Aasawari: 7506020926

IEEE CRCE
Branch Code: STB60351

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CRCE
SBA 60351

IEEE-CRCE Student Branch

Date:24th July 2017 .

To

Dr S S. Rathod

HOD of Electronics Department,
Sardar Patel Institute Of Technology.

SUB: - Invitation as a speaker for the seminar on Technical Paper Writing on 5th August 2017

Dear Sir,

IEEE-CRCE in collaboration with WIE-CRCE is organizing its first event "TECHNICAL PAPER PRESENTATION SEMINAR", on 5th August 2017 from 10am to 12pm, as part of the academic events for the year 2017-18.

The seminar will be held in the seminar hall from 10am– 12pm. Our college is one of the most active student chapters of the Bombay section. This event will provide the students an opportunity to enhance their technical writing skills and knowledge. The event would help the students to contribute to the research community by presenting their ideas effectively.

If any additional details contact us at ieee.crce@gmail.com. We hope to hear from you soon.

Thanking you,

Regards,

Dr. D.V. Bhoir
(H.O.D-Electronics Department)

Mrs. Kranti Wagle
(Branch Counsellor, IEEE CRCE)

Fr. Conceicao Rodrigues College of Engineering
(Affiliated to University of Mumbai, Approved by AICTE, New Delhi)
Fr. Agnel Ashram, Bandstand, Bandra (West), Mumbai – 400050.
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Website: sites.ieee.org/sb-crce, Email: ieee.crce@gmail.com
IEEE CRCE
Branch Code: 51B00351

IEEE-CRCE Student Branch

Date:5th August 2017

To

Dr. S.S. Rathod,

HOD of Electronics Department,

Sardar Patel Institute Of Technology.

Andheri (W).

SUBJECT: LETTER OF APPRECIATION

Dear Sir

On behalf of IEEE-CRCE Students' Branch and all the Faculty members, we would like to express our heartfelt gratitude for taking out time from your busy schedule to conduct a seminar on, Technical Paper Presentation held on 5th of August 2017.

The seminar has accomplished its objective. From the feedback that we received, the seminar was a grand success and this would not have been possible without your diligence. We sincerely appreciate the efforts that you have taken and also for sharing your time, talent and expertise with us and the students.

We hope to continue receiving your guidance and support in our future endeavors.

Thanking You,

Yours sincerely,

Dr. D.V. Bhoir
(H.O.D-Electronics Dept.)

Mrs. Kranti Wagle
(Branch Counsellor, IEEE CRCE)

IEEE CIRCE

TECHNICAL PAPER PRESENTATION

FEEDBACK

NAME: ROHAN BAICHWAL

RATE US ON THE FOLLOWING ASPECTS: [1(MIN) TO 5(MAX)]

	1	2	3	4	5
ORGANIZATION OF THE EVENT				✓	
OVERALL EVENT AND PRESENTATION					✓

WE WOULD REALLY APPRETIATE YOUR VALUABLE COMMENTS:

WAS THE PRESENTATION INTERESTING ?	very interesting
HOW CAN WE IMPROVE THE PRESENTATION ACCORDING TO YOU?	Would like you to increase the time.
ANY OTHER COMMENTS?	· Grateful for the seminar

Thank You

Fr. Conceicao Rodrigues College Of Engineering

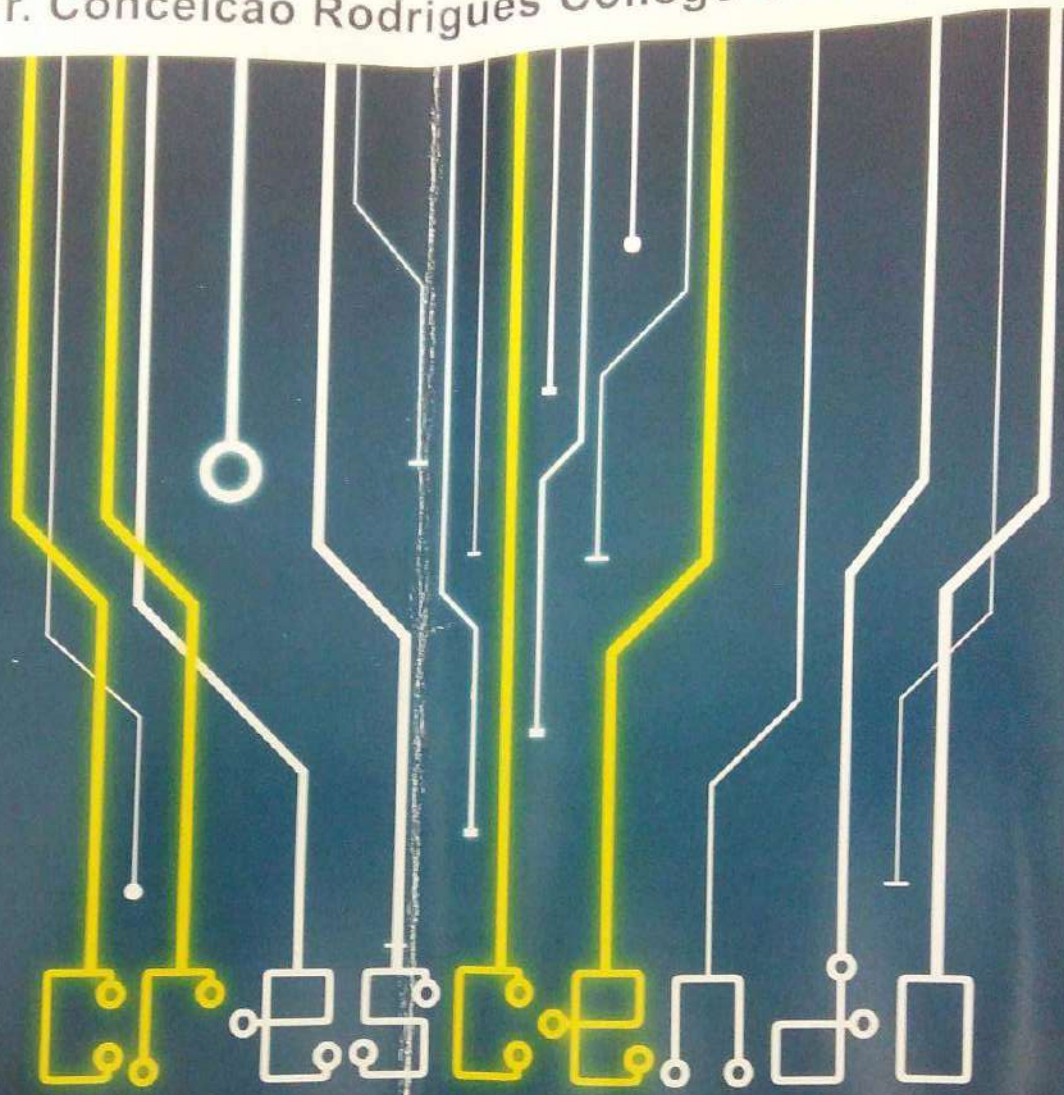
WORKSHOPS

- CanSat
- PHP Workshop
- Python Seminar
- Road Safety & Drug Abuse Awarness
- Home Automation
- Gesture Robotics

TECHNICAL EVENTS

- Suspension Bridge
- Tech Talk
- Rube Goldberg Machine Design
- Paper Bag Making Machine
- Lathe Wars
- CAD Wars
- Housie Coding
- Algoholic

Prizes worth more than Rs. 1 Lakh



16th - 17th March

Celebrating 60 years of Fr Agnel Technical Complex, Bandra

crescendo.crcestudentcouncil.in

For any queries contact : Aditya Chachad - 98335 37343 / Ryan Furtado - 75078 58717 / Shweta Wahane - 836-9935735

STATE LEVE COMPETITION

- Project Presentati
- Technical Deba
- Technical Q
- RoboSu

FUN EVEN

- Angry Bi
- Tab
- Typing Con
- Squiggly Movie
- Word
- Treasure H
- Minute To Mi
- Defuse The B

E - SPOR

- Counterstrike
- Game Of Co

PROJECT PROPOSAL :

1. **ABSTRACT:**
   - a. The problem statement/Need for developing the project.
   - b. Novelty/Innovative aspect.
2. **PROJECT IMPLEMENTATION:**
   - a. Working Principle
   - b. Hardware or Software Simulation.
   - c. Observation/Results
3. **FEASIBILITY**
4. **REFERENCES**
5. **VIDEO OF THE WORKING PROJECT.**

ELIGIBILITY CRITERIA:

All SE, TE & Final Year Engineering Students & Diploma Students are eligible for participation.

REGISTRATION FEE :

FOR IEEE MEMBERS : Rs. 200/-
FOR NON-IEEE MEMBERS : Rs. 300/-

CONTACT :

PRANIT PAWAR : +91 9029906986
AASAWARI NAMJOSHI : +91 7506020926
SEBASTIAN CHENNATU : +91 9870932330
STANLEY RICKY : +91 9987148766

Email-ID : ieeewie2017@gmail.com

PRIZES WORTH : RS 30,000/-

INSTRUCTIONS

RULES :

1. One team must contain minimum 2 and maximum 4 members.
2. Candidates must send the abstract of the project and its details before the date of submission.
3. Spot enteries are not allowed.
4. Selected Candidates will be intimated through their respective email-id .
5. Selected candidates should bring their Identity cards at the day of the event.
6. Only undergraduate students are allowed to participate.
7. Any misconduct/misbehavior will lead to disqualification of the team.
8. AC power supplies and equipments will be provided. In case of any other requirement it should be requested to the organisers 1 week prior to the competition.

IMPORTANT DATES :

Last Date for Abstract Submission:
27th March, 2018.
Last Date for Selection of Proposal:
3rd March 2018.
Registration Deadline of Selected Candidates:
6th March 2018.

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

CRESCENDO 2018

PRESENTS

PROJECT COMPETITION

ORGANISED BY:

IEEE CRCE & WIE CRCE

MARCH 16th, 2018

SOCIETY OF ST. FRANCIS XAVIER, PILAR'S
FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
(Approved by AICTE & Affiliated to University of Mumbai)
Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai - 400 050.
Phone : (022) 6711 4000, 6711 4101, 6711 4104 • Fax : 6711 4100
Website : www.frcrce.ac.in • Email : crce@fragnel.edu.in

Ref.: CRCE / 2018

Date: April 11, 2018.

To
Prof. Juzer Vasi
Professor
IIT, Bombay

SUBJECT: LETTER OF APPRECIATION.

Dear Sir,

On behalf of IEEE-CRCE Students' Branch and all the Faculty members, we express our heartfelt gratitude for delivering speech on "India's 100 GW National Solar Mission : Opportunities and Challenges" for our SKEP Programme held on 11th April , 20118

SKEP programme is to provide **life-long learning and skill upgradation of professionals.** It motivates, inspires the young student community and endow them with a rare insight into what the industry has to offer and its expectations, thus helping them ease their entry into corporate life.

The Seminar has accomplished its objective. From the feedback that we received, the event was a grand success and this would not have been possible without your diligence. We sincerely appreciate the efforts that you have taken and also for sharing your time, talent and expertise with us and the participants. We hope to continue receiving your guidance and support in our future endeavors.

Once again, IEEE-CRCE thanks you for your time and effort.

Thanking You,

Yours sincerely,

(DR. SRIJA UNNIKRISHNAN)
PRINCIPAL

Ident No 17187/-

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING

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

Expense / Advance Settlement Statement

Name of the employee / student	Kranti H. Wagh
Department and Designation	Electronics / Assistant Professor
Date and Place of visit	11/4/18
Amount of advances drawn (Rs.)	
Date of Receipt of Advance	
Purpose of Advance	IEEE SIGHT Programme 11TH April

(Original Bills / Report on the visit/ events must be enclosed with the statement)

Details of Expenses

Sr.No.	Bill No.	Particulars	Date	Amount (Rs.)
1.	1296	Magazines (5 Quantity)	18/4/18	1400
2	2096	Lunch	11/4/18	735
3.	1303	Momentoes	10/4/18	1,200/

Advance Drawn Nil

Total Expenses 3,335/-

Balance to be received / returned

Signature of Employee / Student

Signature of HOD

Principal

To
The Principal,
FrCRCE,
Bandra (West)
19/4/18

Subject:- Bill Clearance for SKEP Program organised by IEEE on 11th April 2018

Respected Madam,

I kindly request you to reimburse the expenditure towards the SKEP Program organised by IEEE-CRCE on 11th April

I am enclosing the Bills for the same. Kindly do the needful.

Thanking You

Yours Sincerely

(Branch Counsellor IEEE-CRCE)

Reimburse from the IEEE-CRCE account-

BILL OF SUPPLY

"Composition in Person, not eligible to collect taxes on Supplies."

NISAR BROS

GSTIN No.: 27ADRPN6078M1ZK

Bansidhar Bhavan, Below Hotel Bandra Residency, Turner Road,
Bandra (West), Mumbai - 400 050.

Tel.: 022-26427974 | Mob: 9821307706 | Email : nisarbandra@gmail.com

No. 1296

Date : 18/4/18

BILLING DETAILS

Purchaser Name : OMKAR JOSHI

GST TIN:

Billing Add:

Description of Goods	Qty.	Rate	Amount
B/W copy			
Colour Copy			
B/W Printout			
✓ Colour Printout (Magazine)	5	280	1400=00
Plotting			
Jumbo Copy			
Lamination			
Visiting Card			
Spiral Binding			
TOTAL AMOUNT			1400=00

For **NISAR BROS**

9769091874

308

Ident No

AMRUT SAGAR
Fast Food & Restaurant
Shop No.233,Rizvi Palace
Hill Road,Bandra(W),Mumbai 50
Ph:26407665,26407665
Ph:26515700,26456565
Mob:24292412,9769174272

TAX INVOICE

Date: 11/04/18 Bill No. : 2096
Boy: SANTOSH C. NAIK

Particulars	Qty	Rate	Amount
SPL PIZZA	1	180	180
VEG PULAV (TAVA)	2	170	340
BTR MILK	3	60	180

Sub Total : 700.00
SGST @2.5% : 17.50
CGST @2.5% : 17.50

3/6 Total : 735

GSTIN: 27ABCFA5268P1ZX (11:11 AM)
E.&O.E. Thank You Visit Again

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Website: sites.ieee.org/vb-crce, Email: ieee.crce@gmail.com
IEEE CRCE
Branch Code: STB60351

FEEDBACK – PROJECT COMPETITION

NAME: Prasad Amit

RATE US ON THE FOLLOWING ASPECTS: [1(MIN) TO 5(MAX)]

	1	2	3	4	5
ORGANIZATION					✓
HOSPITALITY					✓
OVERALL EVENT					✓
JUDGES DECISION				✓	

WE WOULD REALLY APPRETIATE YOUR VALUABLE COMMENTS:

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IEEE CRCE
Branch Code: STB60351

IEEE-CRCE Student Branch

14/03/2018

To

Dr. Vishwesh Vyawahare,
Professor and Head,
Department of Electronics,
RAIT, Nerul , Navi Mumbai

SUB: - Invitation to Judge Technical Project Competition CRESCENDO 2018

Dear Sir

Greetings from the IEEE Students' Branch of Fr. Conceicao Rodrigues College of Engineering. Our institute takes pride of being more than 25 years in existence. It is one of the most reputed engineering colleges in Mumbai University.

Our college is one of the most active student chapters of the Bombay section. Also we have had the prestige of hosting the All India Student Congress in 2010 . We are now in the 10th year, organizing a National Level Technical Project Competition on 16th March, 2018. This event will provide the students an opportunity to demonstrate their technical, analytical skills and contribute to the research community by presenting their ideas effectively .

We will be honored to have you as one of our esteemed judges for the Technical Project Competition. We believe that your knowledge will be instrumental in the judgment of the Projects.We hope to hear from you soon.
Thanking you,

Regards,

Dr. Srija Unnikrishnan
(Principal)

Prof. Kranti Wagle
(Branch Counsellor, IEEE CRCE)

SOCIETY OF ST. FRANCIS XAVIER, PILAR'S
FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
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Phone : (022) 6711 4000, 6711 4101, 6711 4104 • Fax : 6711 4100
Website : www.frcrce.ac.in • Email : crce@fragnel.edu.in

16th March 2018.

To
Dr. Vishwesh Vyawahare
Professor and Head,
Department of Electronics
RAIT, Nerul

Subject: Letter of Appreciation

Respected Sir/Madam,

On behalf of Crescendo 2018 organized by Fr. Conceicao Rodrigues College Of Engineering, we hereby express our sincere gratitude and appreciation for your esteemed presence as a judge for the event Project competition organized by IEEE-CRCE council of this College.

We thank you for taking time out of your busy schedule and for making this event successful. We sincerely appreciate the efforts that you have taken and also for sharing your talent and expertise with us and the participants.

We hope to continue to receive your guidance and support in our future endeavors.

Thanking you,

Yours truly,

(Prof. Dileep Chandra)
Teacher In-Charge

(Dr. Srija Unnikrishnan)
Principal

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING
Department of Electronics Engineering
IEEE-CRCE

SKEP REPORT

IEEE-CRCE organized one of its most anticipated event SKEP on 11th April 2018. SKEP stands for Skill Enhancement Program. The idea behind SKEP is to bringtogether speakers from different technical backgrounds having years of Industry knowledge and experience to share their thought about the various technologies they are working on and the advances taking place their fields. Not only do the students learn about the latest technologies but also get a view of the bigger picture ahead. This time we were honored to have two of the brightest minds in technology Dr.Juzer Vasi (IIT-B) and Mr.Ashok Jagatia(President Acevin Solutions).

Dr.Juzer Vasi is an Emeritus Fellow of the Indian Institute of Technology Bombayand an eminentProfessor at the Department of Electrical EngineeringIIT-B.He did his Ph.D. from The Johns Hopkins University, Baltimore, USA, 1973. And has published and presented over 150 papers in journals and at international conferences. He has been actively involved in improving ways to generate renewable energy using solar energy. In this small session, we discussed India's 100GigaWatt National solar mission, various opportunities, challenges and improvements that can be brought by using solar energy.

The 100 GIGAWATT mission:

As of January 30,2018,India has achieved a milestone 20 GW in cumulative solar installations in eight years. The National Solar Mission had initially set the target of 20 GW installed capacity by 2022.Since we were able to complete the mission 4 years in advance the govt. is now working to achieve the revised target of 100GW by 2022.

The solar mission itself is a part of the greater 175GW national renewable energy target. According to Dr.Vasi ', If we are able to continue as planned, solar energy will be able to contribute a huge percentage of energy to the national renewable energy target'. To put this into perspective the current utility electricity sector in India has one National Grid with an installed capacity of 340.53 GW of which Renewable power plants constituted 32.2% of total installed capacity. One must note that of the 20GW of current solar installations about only about 1.6 GW is rooftop solar. Ideally, all available rooftops should have solar cells with net metering. Net metering reduces demand for power from the utility when the solar array is generating electricity – thus lowering the utility bill. If executed efficiently rooftop solar holds very huge potential in contributing to the solar mission.

Solar Energy Generation:

The concept of generating such huge amounts of solar power sure sounds exciting but how exactly do we generate it?

As of today two of the most widely used methods to generate solar power are

1)CSP(concentrated solar power)

2)P.V (Photo-voltaic cell)

1)CSP(Concentrated solar power): In this method of solar power generation solar energy is concentrated into a very small region ensuring high DNI (direct normal incident radiation).In this region of

highly concentrated solar energy heat is generated which can be used to generate steam which is used to run turbines. Although it produces power with greater efficiency it has a very high installation and maintenance cost.

2)P.V(Photo-voltaic cell): Photo-voltaic cells use semiconductors to directly convert solar energy into usable electric energy. Unlike CSP it does not require concentrated solar energy to generate current even dispersed sunlight produces electricity. Its simplicity, ease of use, long life and almost negligible maintenance makes it one of the most preferred methods for solar energy generation.

According to Dr.Vasi, the usage of P.V cells can help us reach the 100GW goal much quicker than any other technology currently in use. Thisensures that we can set up large power plants in a very short time thereby quickly quenching the thirst for more energy. Every Solar module consists of 60-70 solar cells which can generate around 350-360W of energy by the year 2017 solar energy cost around $0.40/watt. This clearly indicates that P.V cells have reached and even crossed the grid parity. Grid parity is when the cost of generating solar power is equal to generating power from a power station.

Opportunities:

1)Clean Source of energy:

- Solar energy gives us a very good reason to move on to renewable energy sources, unlike any other energy resource the production of solar energy is very clean i.e there is relatively very less damage to the environment by its usage.
- It is a great way to mitigate the pollution and other problems produced by electricity derived from fossil fuel.
- Solar power systems help increase something called "peak load generating capacity," thereby saving the local utility from turning on expensive and polluting supplemental systems during periods of peak demand.

2)Rural Employment:

- The Mahatma Gandhi Institute for Rural Industrialisation (MGIRI) at Wardha developed a unique device —a solar charkha.The traditional charkha can produce about 2,000 running meters of khadi in an hour while the solar charkha can produce about 3,500 running metersat the same time.These kinds of inventions help boost the rural khadi industry.
- Areas in and around Bihar are known to have very high deposits ofgroundwater yet farmers used to face crop failure not until recently. In 2016 the govt. introduced the solar irrigation scheme which introduced the farmers to solar powered water pumps. Since then the farmers have gotten rid of the costly and polluting diesel pumps and have only doubled their profits.

3)Manufacturing In India:

- Manufacturing solar panels in India has become simpler and upcoming companies are being helped by the govt. only recently the Ministry of New and Renewable Energy Resource claimed that module manufacturing facilities and the country were obsolete. And in a concept note, the ministry stated that it would pledge 11,000 cr. as 'direct financial support' and technology upgradation fund for the solarmanufacturer.
- Dr.Vasi also expressed concern over the fact that the number of Indian companies involved in solar cell manufacturing and module assembly was very low in India as compared to other countries like

China. This can be attributed to the heavy subsidies given by the chines govt. to their companies which helps them attain a huge seller base, this eventually leads to dumping of modules in our country. Although it may be good for achieving our current goals but accepting the dumped modules not only destroy local business but also hamper the country's growth

- Embedded software:Embedded software is computer software, written to control machines or devices that are not typically computers i.e they may be microcontrollers.
- Multicore RTOS: RTOS basically stands forreal-time operating system it operates on data and delivers output as soon as it comes in.These kinds of systems are time bound and must have well defined time constraints If the system does not work within these time constraints the entire system can fail.Multicore RTOS allows us to have faster RTOS systems with better processor utilization and improved predictability thus giving us the ability to create demanding yet reasonable applications in shorter time and at a lowercost.

New Trends in Embedded Systems:

- Artificial Intelligence: The growth AI seems almost unstoppable with newer AI-based applications popping up every month or so. The one thing that can help optimize and improve its performance are dedicated hardware embedded systems.
- Internet of Things:Intelligent Internet of Things is like The God of Small Things in embedded applications development, it reigns supreme. As per a mammoth prediction by Gartner, about 8.4 Billion connected "Things" will be in use by the end of this year and at the heart of all those 8.4 billion devices will be embedded systems.
- Healthcare: With the ever increase in demand for knowledge for one's own health and its maintenance. The healthcare industry is waiting to be explored especially since the era of smart devices has only begun.To keep buoyancy of the industry, hospitals and clinics are making the quickest sprint to embedded technology-based innovations like sensory tattoos, surgeon microbots, medical tablets and bedside terminals.
- Home-Automation: Almost everything around us is going to automate at the tip of our fingers. Our homes are no exception, home automation tightly integrates IOT technologies with household equipment and A.I to create an almost seamless perfectly automated house.
- Automotive: Embedded systems play a very important role in the automotive industry. The future is here self-driving cars, automatic car parking, obstacle sensing and avoidance all of this is now possible only due to the integration of smart microprocessor. With the improvement of embedded technology, we can expect vehicles to become even smarter.

Indian-Issue:

- Mr. Ashok was very frank with us when he explained the current scenario in India, according to him and many Industry experts, even though India has the resources to develop high quality embedded systems ,here it lacks the skilled manpower to manage it. This issue can be solved by improving the training of engineers to ensure that their training is fine-tuned to current industry standards.

Opportunities in embedded systems in India:

- Embedded System is the future. Every industry needs some artificial intelligence into it and artificial intelligence can be given by embedded systems only. No electronic product is without embedded systems in the market.
- A lot of career opportunities are available in embedded systems. Some of them are as follows:
  - Embedded Software Engineer (firmware)
  - System Software Engineer (kernel& RTOS)
  - Application Software Engineer (device drivers)
  - Software Test Engineer.
  - Embedded Hardware Engineer.
  - Embedded System Trainer.
  - Marketing & Sales Executive.
- We were also reminded by Mr.Ashok that even though the starting packages are not as high as freshers but once we gain an experience of 3-4 years we will get better packages.
- Another important opportunity that he highlighted was teaching embedded technology to freshers.

This year's SKEP was marked with the unveiling of our IEEE-CRCE edition magazine aptly called 'Technobuzz'.

It is filled with details of all the amazing workshops, exciting games, technical seminars and the yearly Industrial visit conducted by the IEEE-CRCE chapter of 2017-18. Not just that we have a technical section entirely devoted to explaining all new and emerging technologies in the current market.

The event was a huge success with total 98% attendance from SE ,TE and BE Electronics. Staff members of Electronics Department were also present .Finally everyone attending SKEP 2018 were able to take back some new ideas and experiences with them.

Report By,

14/04/15

Sebastian Chennattu

(Tech Head IEEE-CRCE)

Prof.Kranti K. Wagle

(Branch Counsellor IEEE-CRCE)

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING,
FR. AGNEL, BANDRA, MUMBAI-50

SPARKC

Organized by WIE-CRCE

19th August, 2017

General Feedback

1	What was the most interesting and informative part of this session?	Practical.
2	Did you get to learn through the experiment demonstrated? Yes/No	Yes
3	Suggests areas of interest for future sessions.	Machine.
4	Overall Rating of the session: 1. Good 2. Average 3. Excellent	Good ★★★

Name:

Sign:

IEEE CRCE
Branch Code: STB60351

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CRCE

SPARCK 2017

24th August , 2017. Fr.CRCE

WIE-IEEE CRCE

The 7th Annual SPARCK Event was organised under the patronage of WIE - IEEE Student Chapter of Fr. Conceicao Rodrigues College of Engineering for the children of Fr. Agnel Ashram , Bandra. This event is organised every year with a view to ignite young minds with scientific temper and spark a sense of curiosity into the realm of technological advancements among them.

Our theme for the this year was "Electronics is Fun !" was aimed at covering fundamental concepts of electronics in the simplest and interactive way. The event commenced with showing a comic episode of the "Mr. Bean Series - A visit to the Science Exhibition". It tickled the funny bone of the children and also generated an interest to know the mechanism behind the projects displayed in the video. Seeking this opportunity, the Council members explained how to construct one of the games and provided materials for the same. The game required the children to make a small wire loop which was to be moved through a wire loop. The moment the hook touched the loop, the buzzer was activated indicating the player has lost. The experiment disguised as " The BuZz Wire" game taught them the basic concepts of circuit making and breaking. The children were engaged in playing , as this game tested their skills of steadiness and concentration. The child who completed the loop in

minimum amount of time without touching the loop was declared as the winner.

This experiment was fruitful in raising a plethora of questions on the working of the circuit and components by the students. Thus the Council members addresed to the queries by explaining the working of the components (i.e batteries, buzzers, etc) and fundamental concept of Voltage, Resistance and Current in the form of a presentation in the simplest manner. This was an enlightening experience as it changed their perception of looking at things. What seemed as a mere table now consisted of Protons, Electrons and Neutrons!

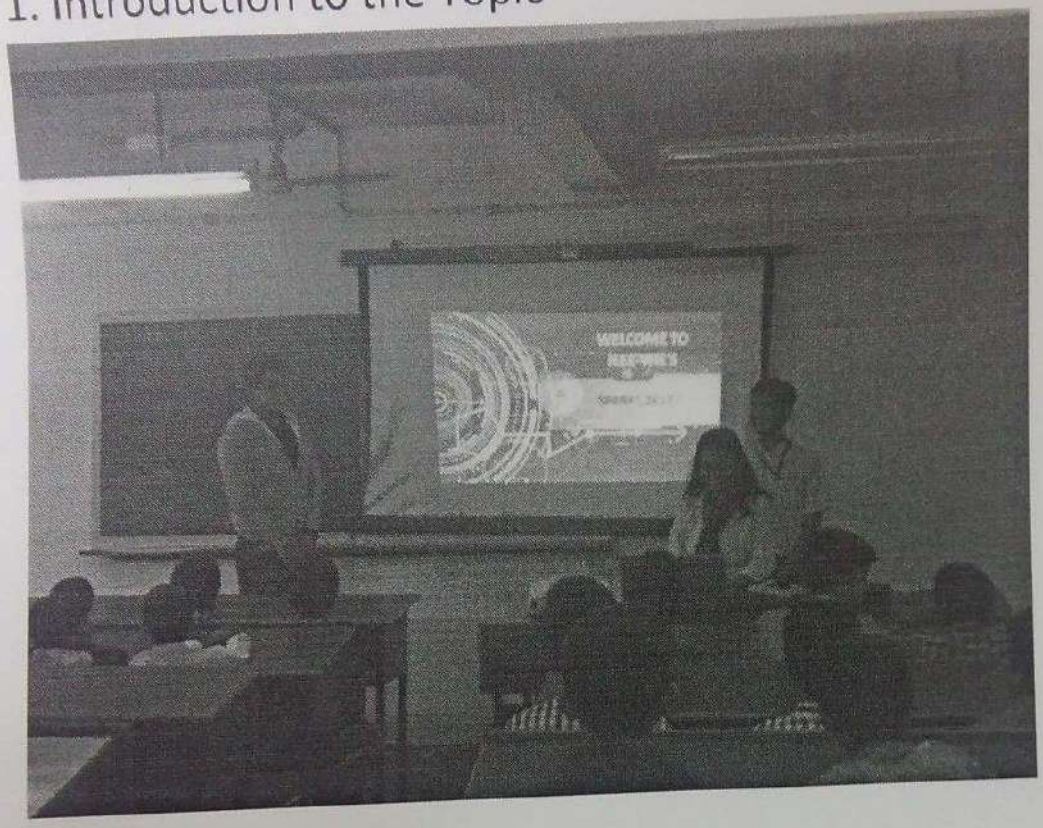
This event was witnessed by a vast age group ranging from students of Standard 5th to 8th and received an overwhelming response. Students were delighted and requested to us to organize more of such free seminars on topics like RC Cars, etc and gave a positive feedback.

Thus staying true to its name, WIE-IEEE CRCE was continued to enlighten children to perceive things with a scientific approach, ignite innovative intuition and above all sparked a curiosity to understand things in depth with the SPARCK 2017 event.

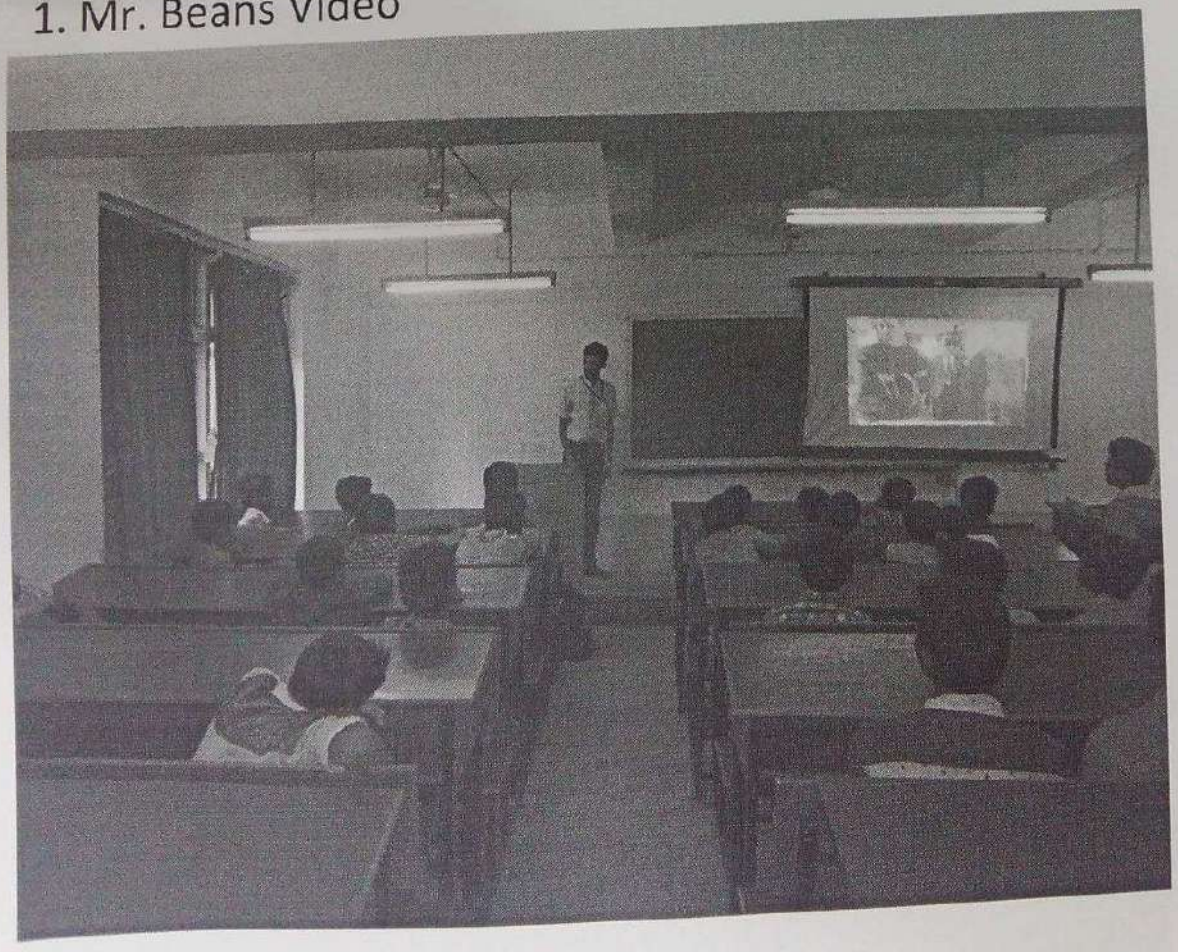
A.P. Namjoshi Gaurmet
Vice Chairperson (IEEE-WIE CRCE)

Aasawari Namjoshi
Garima Tripathi (Branch Counsellor)

1. Introduction to the Topic



1. Mr. Beans Video



Fr. Conceicao Rodrigues College of Engineering
(Affiliated to University of Mumbai, Approved by AICTE, New Delhi)
Fr. Agnel Ashram, Bandstand, Bandra (West), Mumbai – 400050.
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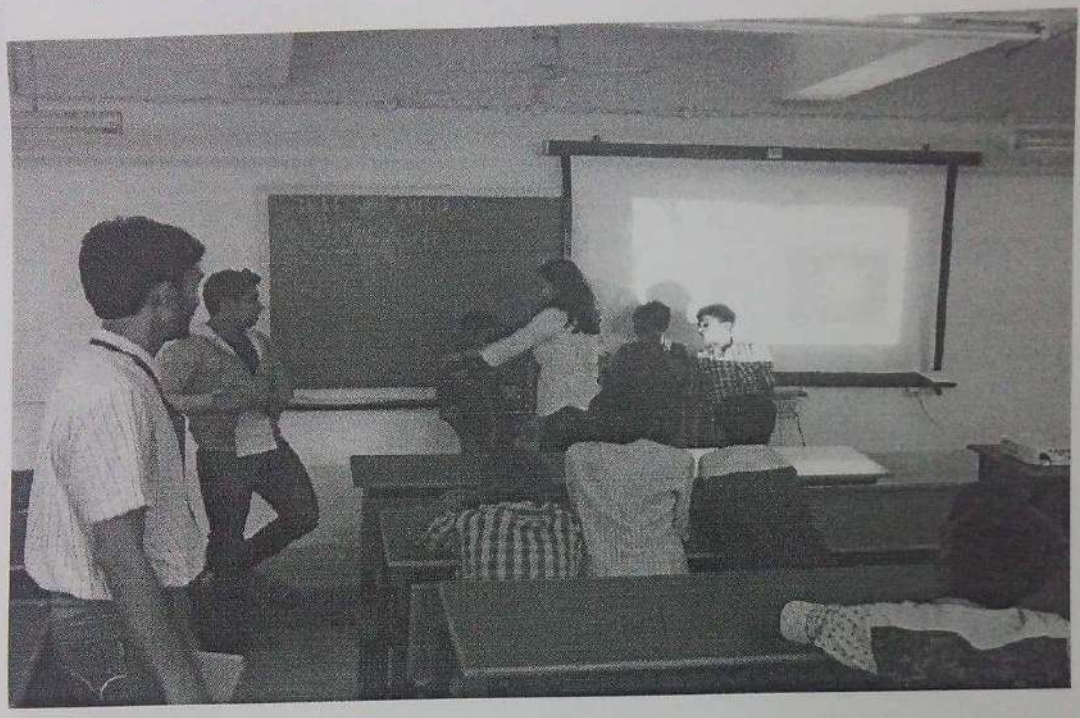
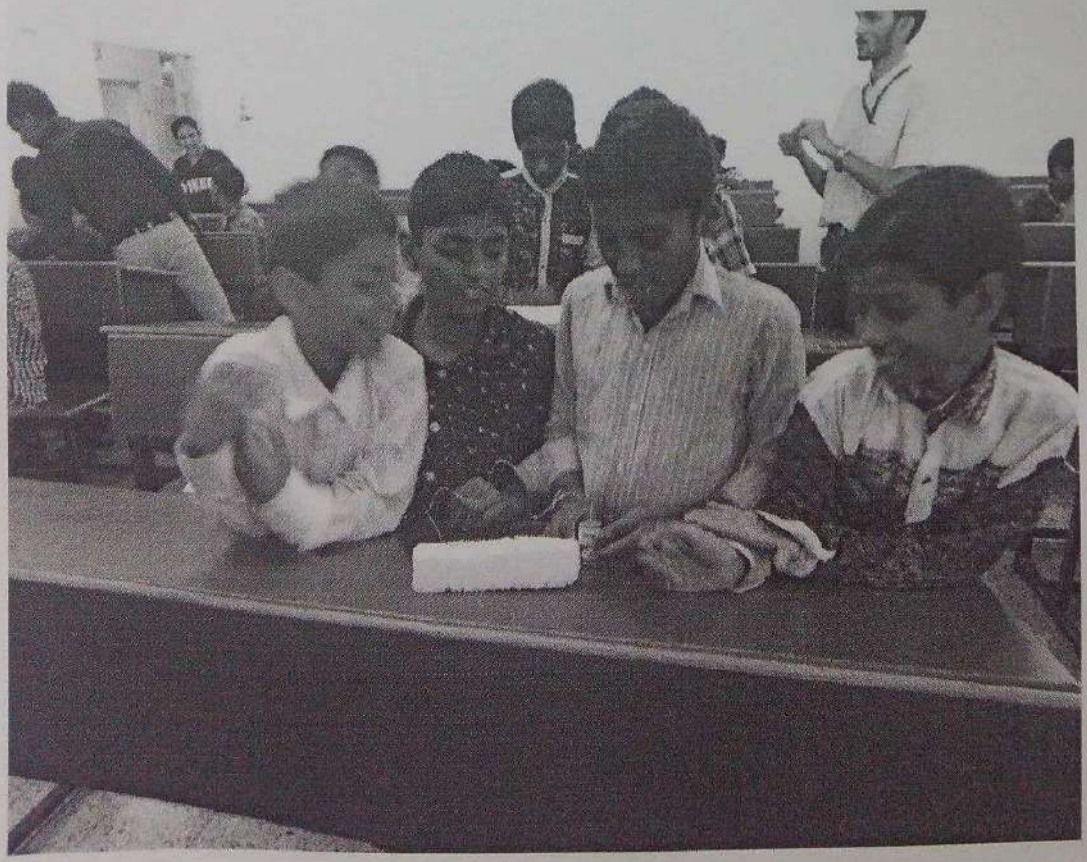
Website: sites.ieee.org/sb-crce, Email: ieee.crce@gmail.com
IEEE CRCE
Branch Code: STB60351

3. Explaning Students the Concept of Atoms, electrons protons etc.



4. Children engrossed in making the circuit.



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CRCE

5. The smile says it all .

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CRCE

09 August 2017

To,
Fr.
Fr. Agnel Asharam
Bandstand Bandra(W)
Mumbai-400050

Subject: Permission To Allow Students Of Fr.Agnel Asharam For The Event('SPARK').

Respected Sir,

The IEEE-WIE council of our college is organising an event ('SPARK') on 10th of August, 2017, thursday.

This event aims at imparting an insight into the world of science, through experiments for the students of Fr.Agnels Ashram.We request you kindly to grant premission for student (Fr. Agnel Ashram) for the same, as this event will focus on experiments related to the curiculum. As conducted every year under IEEE-WIE Chapter. The event will be conducted from 4.30pm onwards.

We kindly request you to grant permission for the same.

Allowed till 6 pm

Thank You;
Regards

Ms. Kranti Wagle	Ms.Garima Tripathi	Dr. Deepak Bhoir	Dr. Srija Unnikrishnan
Branch counsellor	Branch counsellor	H.O.D Electronics	Principal
IEEE	WIE		

Rev Fr. Dilip,
Kindly approve
09/08/17

XOVIAN

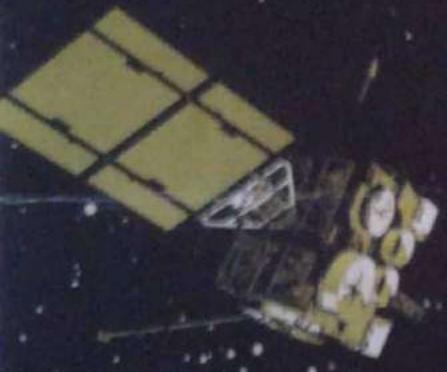
CANSAT

SATELLITE DEVELOPMENT WORKSHOP

VENUE : FR. CONCEICAO RODRIGUES COE, BANDRA

"Sometimes you need to go up really high...
to understand how small you really are."

MARCH 16 & 17, 2018.



CONTACT:
Pranit : +91 9029906986
Saim : +91 8286515545

RS. 1200/-

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CRESENDO 2018

CANSAT WORKSHOP – (IEEE-WIE CRCE)

Date:16-03-2018

SR NO.	NAME	COLLEGE	YEAR	BRANCH	SIGN
✓	Samaan Yangde	Fr. agnel	2018(FE)	Elex	[signature]
✓	Anjali Dwivedi	universal	2018 (TE)	COMPS	Dwivedi
✓	Ekrumil Shah	universal	TE	COMPS	[signature]
✓	Aadit Prabhu	universal	TE	COMPS	[signature]
✓	Pratik Routray	Universal	FE	COMPS	Routray
✓	Pranjal Mahajan	Fr. agnel	F.E.	Elex	pmahajan
✓	Siddhant Shudikar	Fr. Agnel	FE	ELEX	Shudikar
✓	Soumil Mahajan	Fr CRCE	SE	PROD	[signature]
✓	Darshan Bhawan	Fr. CRCE	SE	Prod	[signature]
10	Aditya Patil	Fr. CRCE	SE	PROD	[signature]
✓	SHERYL SERRAO	Fr. CRCE	F.E	ELEX	[signature]
✓	Maithili V. Kale	D.J. Sanghvi	S.E	EXTC	Maithili Kale
✓	Keshyap Meher	VIT	SE	EXTC	[signature]
✓	Tushar Sharma	FR Agnel	FE	Prod	[signature]
✓	Palavi Mehta	Rajiv Gandhi	F.E	Mechanical	PMehta
✓	Dhiraj Salan	Rajiv Gandhi	FE	IT	[signature]
✓	Yash Kumar	Fr. Agnel	FE.	Elex	yash
✓	Amodini Pathare	Fr. Agnel	FE	Elex	[signature]
✓	Rohan Chaudhari	Frcrce	TE	Elex	[signature]
✓	Mahadev Dagvi	Frcrce	TE	ELEX	[signature]
✓	HIRAL MEHTA	UNIVERSAL	SE	ETRX	[signature]
✓	KARAN MEHTA	Universal	SE	ETRX	[signature]
✓	SACHIN YADAV	universal	SE	ETRX	Sachin
✓	Dipankar Nandi	Universal	SE	ETRX	Nandi
✓	Shaif Jawed	Universal	SE	EXTC	Shaif
✓	Pratik Singh	FrCRCE	TE	Etrx	[signature]
✓	Radhey Gawand	RAIT	TE	EXTC	Radhey
27	Ruthesh Z				
✓	Ruthesh Zendekar	RAIT	TE	EXTC	Ruthesh
✓	Saurabh Mhatre	Fr CRCE	SE	ELEX	S Whatre
✓	Aparna Iyer	SIES	SE	comps.	[signature]
✓	Christina Raymond	SIES	SE	comps	Christina
✓	Shraddha Iyer	SIES	SE	Comps	Shraddha
34					
35					
36					

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CRESENDO 2018

CANSAT WORKSHOP – (IEEE-WIE CRCE)

Date:16-03-2018

SR NO.	NAME	COLLEGE	YEAR	BRANCH	SIGN
1	Aadit Prabhu	Universal	T.E	Computer	
2	Dhrumil Shah	Universal	T.E	Computer	
3	Anjali Dwivedi	Universal	T.E	Computer	
4	Karan Mehta	Universal	S.E	Electronics	
5	Dipankar Nandi	Universal	S.E	Electronics	
6	Sachin Yadav	Universal	S.E	Electronics	
7	Mehta Hiral	Universal	S.E	Electronics	
8	Radhey Gawand	RAIT	T.E	EXTC	
9	Pratik Pawan	Fr.CRCE	T.E	Electronics	
10	Saurabh Mhatre	Fr.CRCE	S.E	Electronics	
11	Ruthesh Manohar	RAIT	T.E	EXTC	
12	Mehta Pallavi	RGIT	FE	IT	
13	Salian Dheeraj	RGIT	FE	IT	
14	~~Drashan Bhavasar~~ Darshan Bhavsar	Fr.CRCE	S.E	Production	
15	Soumil Mahajan	Fr.CRCE	S.E	Production	
16	Aditiya Patil	Fr.CRCE	S.E	Production	
17	Siddhant Shivdikar	Fr.CRCE	F.E	Electronics	
18	Pranjal Mahajan	Fr.CRCE	F.E	Electronics	
19	Kumar Yash Ramesh	Fr.CRCE	F.E	Electronics	
20	Amodini Abhijit	Fr.CRCE	F.E	Electronics	
21	Sheryl Serrao	Fr.CRCE	F.E	Electronics	
22	Tushar Sharma	Fr.CRCE	F.E	Production	
23	Shaif Jawed	Universal	S.E	EXTC	
24	Mahadev Dalvi	Fr.CRCE	T.E	Electronics	
25	Rohan ~~Choudhary~~ Chaudhary	Fr.CRCE	T.E	Electronics	
26	~~Prakhar Saxena~~	~~Fr.CRCE~~	~~S.E~~	~~Production~~	
27	~~Uday~~	~~Fr.CRCE~~	~~F.E~~	~~Production~~	
28	~~Sahil~~	~~Fr.CRCE~~	~~F.E~~	~~Production~~	
29	Sameer ~~Hegde~~ Tengde	Fr.CRCE	F.E	Electronics	
30	Pratik Routray	UCOE	F.E	COMPUTER	Paytm
31	Kashyap Mehta	VIT	S.E	Electronics &	Paytm.
32	Maithili V. Kale	D.J. Sanghvi	S.E	Telecom EXTC	Spot payment
33	Kristin Raymond	SIES	S.E	Comps	spot pay
34	Aparna Dyer	S.I.E.S	SE	comps	spot pay
35	Shraddha Iyer	SIES	SE	CE	spot pay
36					