

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING BANDSTAND, BANDRA WEST



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CRCE TIMES

FRAGMAG 2021

DEBATE - Report

Success depends upon rigorous preparation, irrespective of all the odds against it. Overcoming all the challenges posed by the Covid-19, Fr. Conceicao Rodrigues College of Engineering has successfully hosted its Flagship event, Conceicao Rodrigues Memorial Debate (CRMD), from 6th to 8th of November, 2020. For the first time, this event was held online but that did not take away the enthusiasm professed by the debaters or the judges who partook in this prestigious event.

Encompassing everything from the socio-economic situation of the world due to COVID-19 to political expediency, the theme for CRMD 2020 was — "Immanent Critique of Social Adiaphora". CRMD is an intermediate Oxford-style debate competition and has always been praised by people who have witnessed it. Teams from all over India eagerly anticipate bagging the esteemed trophy with their debating intrepidity. The event was hosted on two popular video conferencing platforms, Google Meet and Zoom. The Quarterfinals, Semi-finals and Final debates were live on YouTube as well to ensure an immersive experience for all our viewers.

The much-anticipated debate had 32 laudable teams from all over the nation, grappling with their words for the first prize of Rs. 40,000, second prize for 25,000 and Rs. 7,500 for the best speaker and the best adjudicator. Teams from 12 states competed hard through the league rounds to acquire their positions in the quarter-finals.

Not only centring on the strengths and weaknesses of an argument but also providing frank but constructive feedback to each team to help them better, our Judges, who included experts from the field of Communication, Education, and Corporate world, judged every debate with immense grace and eloquence.

Weighing every argument with equanimity, and deciding rankings in the house, an Adjudicator plays a vital role. Our Adjudicators consciously noted down all considerable points put forth by the debaters and provided them with productive feedback for the same.

With astute arguments, the top 8 teams battled their way in quarters, putting forth excellent points. 4 teams emerged victoriously from the war of words and were qualified for the semi-finals.



DEBATE - Report

Miss Nidhi Salgame was the Guest of Honour for the final round of CRMD'20. The first woman to drive from Delhi to London and the first Indian to drive the Pole of Cold and on the Road of Bones in Siberia, she is an extreme terrain driver, outdoor educator, off-road jeepers and overland adventurer who specializes and trains in extreme over-landing. She recently created history by leading the first team of women drivers to Lo Manthang in Nepal, one of the most treacherous roads in the world. She is a source of inspiration and empowerment to all, women and men alike.

Following were the Judges for the Finals of CRMD' 20 -

Miss Kasheesh Chhabria, is a counseling psychologist and a Life Information coach. Miss Kashesh Chhabria is a counsellor with a background of M.Sc. in Counselling Psychology. She is an International Inspirational Speaker, a Life Clarity and Transformation Coach and an Entrepreneur by profession.

Miss Meera Bharwani, is a senior faculty of Communication Skills at VJTI. She has taught at VJTI, Sardar Patel Institute of Technology, Xavier Institute of Engineering, Narsee Monjee Institute of Management Studies (NMIMS), Champlain College (Vermont, USA), Mumbai Campus, Thakur College of Engineering and Technology, and Ramnarain Ruia College among others.

Miss Roli Srivastava, an award-winning journalist with the Thomson Reuters Foundation and reports on gender, health, migration, and slavery in supply chains, focusing mainly on India's marginalized communities. She has worked with major Indian newspapers including The Hindu where she was Deputy Editor and The Times of India where she was Editor, Special Projects.

In every battle there comes a time when both sides consider themselves beaten, then he who continues the attack wins. Side Opposition, Team CMD05 (National Law School Of India, University Bangalore) emerged triumphant in the prestigious battle of CRMD this year.

Offering an arduous debate, Side Proposition, Team CMD01 (Fr. Conceicao Rodrigues College of Engineering) were declared as the runners-up for CRMD'20.

DEBATE - Report

Mr. Joel Matthew Cherian received the best Speaker award and Mr. Purav Bharadwaj received the best Adjudicator award.

The power of real debate is in the language and intellectual honesty of the debaters, alongside the engagement of spectators. The debates were lively, proposing and countering a plethora of ideologies. Providing a forum for today's youth to engage in various affairs experienced in daily life, CRMD was an indulgent treat for the debaters and the audience alike. A virtual debate experience was one of its kind and proved to be a boon as for the first time ever, our viewership was spread across the length and breadth of the country. This online affair in no way diminished the pleasure of the enticing war of words.

Every prosperous event is a result of the commitment to excellence, intelligent planning, and focused effort of everyone planning the event. I would like to extend my sincere gratitude to the organizing committee, the diligent Students' Council who strived to not only organize our first ever online event but also make it a transcendent experience. I would also like to thank our Local Superior Fr. Peter D'Souza, Director Fr. Valerian D'Souza, Principal Dr. Srija Unnikrishnan, our Dean Dr. Deepak Bhoir for all the love and support we received pre and post the event. I'd also like to extend my deepest gratitude to my in-charges Prof. Garima Tripathi and Prof. Sundary Prabavathy for always standing by us.

I extend, in abundance, my most exuberant appreciation to all the helping hands, who left no stone unturned to make this debate fruitful. Without all of your love, support, and dedication, CRMD 2020 would not have seen the success that it did.

Saloni Khanna *Editorial Secretary* Student's Council, Fr. CRCE.

TECHNICAL - Report

The Students' Council of Fr. Conceicao Rodrigues College of Engineering successfully held their annual Technical Fest, fondly known as Crescendo, from the 13th to the 21st of March 2021.

Crescendo was the only fest which could not be held in the previous academic year due to the unfortunate circumstances brought in because of the pandemic. So, the Council was determined to hold it this year, by adapting to a more suitable virtual format. For the first time ever, Crescendo was successfully held online this year, with interactive and engaging events 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 first domain of Crescendo 2021 was 'Cyber City' covering coding and programming events. The first event under this domain was 'Bridge the Gap' in which participants had to complete an incomplete block of code based on the problem statement given to them in a stipulated time. The second event was another individual event called 'The Imitation Game' wherein participants were given screenshots and videos of a static responsive website which they had to replicate within the predefined time given.

The next domain was 'Mechmerized' having mechanical and production related events. The first event here was 'The Trestle Hustle' in which the participants had to build and simulate a bridge using a predetermined software. The other event in this domain was 'Bid to Build', a team-based event, wherein participants had to take part in an online auction of mechanical components and finally come up with a product design using the items they won.

'Cross Wired' domain had electronics and circuit-based events. The first event was a team-based event called 'Circuit Whiz' which included an electronics-based quiz and circuit designing. The next event here was an individual event 'Mindspark' which had

TECHNICAL - Report

two rounds, the first round being a live one-on-one Q&A session and the other was a virtual circuit debugging round using a predetermined software.

Another subsequent domain was 'Shark Tank' with entrepreneurship-based events. The first event here was the team-based event 'Market Mayhem' in which the participants had to put their marketing skills to the test, with a first round consisting of coming up with product ideas and pitching the same followed by a second round which put their innovation and spontaneity to test by giving them a product and an unrelated situation to apply it in. The other event under this domain was 'Doomsday', another team-based event, wherein the participants were given a situation of a company going into losses and they had to come up with strategies to save the company from doom.

The Esports domain served as a medium to lighten the mood and fulfil the thrill of an adrenaline rush amidst all the brainstorming. The two events held here were 'Valorant' and 'Call of Duty - Mobile'. Both of these events were team-based events and were held on both - an intra as well as an inter level.

The last and final domain was the 'Flagship Events'. This domain included major inter college events such as the hackathon and mechathon. For the first time ever, the Students' Council held a 24-hour online team-based hackathon and mechathon 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 mechathon was a completely novel flagship event for Crescendo and a new feather on our cap. It had one single problem statement inspired by the Government of India's Sustainable Alternative Towards Affordable Transportation (SATAT) Initiative. 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 similar government initiatives.

The IEEE Council also put up 2 team-based events which were the 'Technical Paper Presentation' and the 'Project Competition'. The Technical Paper Presentation was an inter college event which saw participation from various domains like software,



electronics and mechanical. The Project Competition was also an inter college event which included 2 tracks - hardware and software. These events too saw participation from multiple colleges other than our own.

All our 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".

The culmination of Crescendo was marked with BE Computers taking home the Technical Trophy and Pranay Bagrecha from BE Computers winning the Best Technical Player prize.

I would like to extend my sincere gratitude to Principal Dr. Srija Unnikrishnan and our Director Fr. Valerian D'souza for showing trust in the Students' Council to carry out Crescendo in this new and innovative format. I would like to thank Dr. Deepak Bhoir, the Dean of Student Affairs, Prof. Swapnali Makdey, Crescendo Coordinator and Prof. Hitendra Vaishnav, Crescendo Co-Coordinator for all the love and support we received. A special mention to the entire Students' Council who left no stone unturned to make Crescendo such a successful online event.

Yameen Ajani.

Technical Secretary.

Students' Council, Fr. CRCE.

ALUMNI - Report

The Alumni Association of Fr. CRCE is the body responsible for nurturing and fostering the Alumni network of Fr. CRCE. It aims is to instil a feeling of fellowship and works towards the promotion of frequent interactions among the Alumni body of Fr. CRCE and the college.

The Student Alumni Committee was formed in the year 2020 as a body under the umbrella of the Association to act as a bridge between alums and students as well as to strengthen the initiatives of the association. The Alumni Committee of Fr. CRCE is made up of our dynamic alums and alums who are faculty members of the college. The objective of the association is to serve as a centre point of the college, current students and the thousands of Alumni world over. The Committee aims to do this by organising community building sessions and creating opportunities that benefit the community as a whole.

Each year many CRCEites dream about studying abroad, but lack the detailed guidance to turn their dreams into reality. To help the students, the Committee organized a Webinar titled "Studying Abroad: How to equip yourself for further studies" on 19th November, 2020. This Webinar was organized to give complete guidance of the process and journey of studying abroad. Mr. Achal Shah, Ms. Mariya Ali, Ms. Slavvy Coelho and Ms. Janhavi Powale were the four speakers for the Webinar. Each speaker had graduated from CRCE and pursued their further education from Universities of repute abroad. These speakers guided the students and shared their personal experiences with them. The speakers themselves being from CRCE helped build a strong connection between the panelist and the audience.

Young minds give birth to fresh ideas and fresh ideas in turn give birth to great businesses. With the goal of imparting a sense of entrepreneurship amongst CRCEites, the Committee organised a Webinar titled "Exploring your Start-up dream: Plan to Execution" on 20th November, 2020. Ms. Sayli Potdar, Mr. Girish Batra, Mr. Parag Doshi and Mr. Subhash Bishnoi were the four speakers for the event. Each of them graduated from Fr. CRCE and are successful entrepreneurs. The speakers covered in detail, a point-wise procedure of launching a start-up and shared their own personal experiences related to it. The Webinar was attended by many young minds of Fr. CRCE and turned out to be a session full of learning and motivation.

ALUMNI - Report

There is nothing like returning to a place that remains unchanged to find the ways in which you yourself have altered. The Committee organised the 'Annual Alumni Meet 2021', an annual Alumni reunion of Fr. CRCE, on 13th February, 2021. This year's Alumni Meet was conducted virtually on a grand scale, drawing the highest attendance in the last few years .

For the very first time, alums from all over the globe attended the meet and enjoyed their day reminiscing the memories of their Alma Mater. This year, the Batch of 1995 was felicitated as they celebrated their Silver Jubilee of graduation. The eventful evening comprised of several messages from former and current faculty as well as had performances comprising of popular tunes, mimicry and beatboxing from alums and current students of Fr. CRCE. The event was a great success in nurturing a feeling of nostalgia and created fond memories.

The pandemic has taught us the importance of managing our personal finances and with an aim of creating awareness about this very important topic, the Committee organised a Webinar on "Goal based Financial Planning and Investing" on 20th March, 2021. The speaker for the event was Mr. Girish Ajgaonkar who happens to be an alumnus of CRCE. He is a successful financial advisor and has a client-base spread across the globe. He laid emphasis on investing from an early age and always maintain a diversified portfolio. The event was attended by students, alums, faculty and non-teaching staff of CRCE.

The nurturing and fostering works both ways. Every year the alums of CRCE contribute to their Alma Mater in different ways. Be it in guiding the students through Webinars, being judges for National-level Hackathons and cresendo organised in the college, performing at the Alumni Meets, giving monetary scholarships to the students, offer placements and internship opportunities, mentoring various technical teams, being members of Department advisory boards. The Alums of CRCE are ever-ready to contribute to their Alma Mater. The Alumni Association wants to thank these generous alums for their remarkable contributions to the CRCE community this academic year.

- 1. Mrs. Shobana Chandramohan (Electronics Engineering, 1991)
- 2. Mr. Parag Doshi (Electronics Engineering, 1992)



ALUMNI - Report

Engineering, 1995) for his generosity. He offered a very generous amount for the scholarship through STULZ CHSPL foundation to 15 meritorious students of our college. We are really grateful to him.

The Alumni Association aims to organise many such engagement programs and events in the future and strengthen the everlasting connection between the Alums and Fr. CRCE

Cyril Varghese
Vice Chairperson (Alumni Association)
Prof. Prachi Patil
Teacher Incharge (Alumni Association)

IIC - Report

Ministry of Human Resource Development (MHRD), Govt. of India has established 'MHRD's Innovation Cell (MIC)' at AICTE to systematically foster the culture of Innovation amongst all Higher Education Institutions (HEIs). MIC has envisioned encouraging creation of 'Institution's Innovation Council (IICs)' across selected HEIs. The primary mandate of IIC is to encourage, inspire and nurture young students by supporting them to work with new ideas and transform them into prototypes while they are in formative years.

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IIC-FrCRCE was established in November 2018 with objectives to

- Create a vibrant local innovation ecosystem.
- Support Start-up Mechanism in HEIs.
- Prepare institute for Atal Ranking of Institutions on Innovation Achievements.
- Establish Function Ecosystem for Scouting Ideas and Pre-incubation of Ideas.
- · Develop better Cognitive Ability for Technology Students.

IIC-Fr.CRCE is an interface between MIC and Fr. CRCE to showcase various activities conducted within the institute. MIC rated us with 4.5 Star certificate.

The third version IIC3.0-Fr.CRCE initiated various innovation, start-up, entrepreneurship related activities such as Workshops, Boot Camps online, Seminars, Hackathons, Idea Competition, Mini Challenges success stories and interactions with professionals, Alumni Entrepreneurs, in the college in association with various Technical councils in the academic year 2020-2021



IIC - Report

IDEA COMPETITION 2021:

IIC-FrCRCE in association with E-Cell organized institute level Idea competition on January 28th 2021 in which 27 teams presented their ideas out of which two idea teams were declared as Winners.

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Following were the Teams with Innovative Ideas:

- 1. Idea: Low cost Portable Ventilator
- 2. Idea: Teach Smart

POC Competition 2021:

Co-ordinated 12 Project teams to participate in POC competition. These Teams are going through the Training Sessions at Institute level through the IIC sessions based on the following Topics:

- 1.Business Model Canvas
- 2.Prototype Designing and Validation
- 3. Critical Design Thinking
- 4.Innovation Process and IPR
- 5. Startup Training.

ACTIVITIES

The academic year for IIC is divided into four quarters.

There are three types of activities conducted in the four quarters.

- 1. MIC Driven Organized by MIC for faculty and students participation.
- 2. IIC Driven Organized by IIC as per the guidelines of MIC.
- 3. Self Driven Organized as self-initiative by IIC.
- Orientation session on Methods of Exploring and Capturing Values from Indian Agriculture
- My Story a Motivational Session by Mr. Gaurav Sen
- Webinar on Entrepreneurship and Innovation as Career Opportunity
- Web Development for Enterprise
- My Story Motivational Session by Successful Innovators
- Webinar on Design Thinking, Critical Thinking, Innovation Design
- Webinar on Design Validation Specifically using Double Diamond Approach
- Workshop on Entrepreneurship Development Phases

IIC - Report

• Webinar on Identifying Intellectual Components at the Early Stage of Innovation

SUFFICE STUDIES

- Session on Process of Innovation Development
- Webinar on Technical Paper Writing
- Mentoring Session for Future Innovators Student Entrepreneurs of CRCE
- IDEA Competition

- Orientation Session on Journey Innovative Project to Product
- Webinar on Innovation and IPR Process
- Webinar on Roadmap to Become a Cyber Security Specialist
- Business Modelling and Plan Development
- Workshop on Prototype /Process Design and Development
- Webinar on Successful Start-up Founders
- Webinar on Prototype Validation
- IoT based Project Design with Node MCU

Mr.Mayank Tanna from B.E I.T is one among the 127 finalists at National Innovation Competition(NIC)2020. The product developed is IoT based Solar -Powered Smart Bag for Women safety along with Air Purification System.



Prof. Kranti Wagle President (IIC)

ABADHA CRCE - Report

In 2021 Team Abadha CRCE was made up of 14 members with Prof M.V.B. Rao as faculty advisor. This year for the first time we had taken part in e-Baja and designed an All-Terrain Vehicle powered by a completely electric powertrain.

The Preliminary round was conducted in December 2020. For the first time BAJA announced final stage of competition to be conducted online on their software IPG Carmaker and provided the software license to 5 team members. The main competition was conducted from 21st April to 25th April 2021. We simulated iterations for the best performance of the buggy on the software. Our team worked very hard to make the models work and we Team Abadha stood AIR 17th at the BAJA SAE India 2021. We are immensely happy and proud to be able to share our well-deserved all-round success at the **Virtual BAJA SAE INDIA 2021**

The ranks for individual events are:

• Sales Presentation:	5th
• CAE Presentation:	5th
• Cost Presentation:	7th
• Design Presentation:	16th
• Manufacturing Presentation:	25th
OVERALL STATICS:	14th
Gradeability:	9th
Maneuverability:	15th
• Acceleration:	15th
• Terrain Performance:	19th
• Suspension & Traction:	21st
Brake Performance:	30th
OVERALL DYNAMICS:	20th

We feel proud of our results and we feel our hardwork has payed off. We definitely look forward to striving to make even more improvements next year. We are looking forward for our next competition, **BAJA SAE India 2022** and this year also we are going with electric powertrain ATV.

Mayur Gurav Vice Chairperson (Team Abadha) Prof. M V B Rao Teacher Incharge (Team Abadha)

CFR CRCE - Report

Team CRCE Formula Racing is Fr. Conceicao Rodrigues College of Engineering's Formula SAE team. A mutual passion for automobiles and a zeal to learn formed the essence of CRCE Formula Racing. 35 Fr. CRCE students from a variety of engineering disciplines made up the 2020-21 CRCE Formula Racing team. Each student brought instrumental skills to the team, and like every year the union between diverse skills and strong teamwork formed the core of the team. The team strives to design and build the best prototype formula-style race car, with the best engineering practices employed.

Just like every year, CRCE Formula Racing planned on participating in SAE Supra 2020 held at Buddh International Circuit, New Delhi, and Formula Bharat which is held at Kari Motor Speedway, Coimbatore. But due to the unforeseen circumstances of the COVID-19 pandemic, SAE Supra 2020 was cancelled, and the team's focus was shifted entirely towards Formula Bharat 2021. The team had started recruiting in March 2020, who were part of the team as volunteers. They were taught the basics of the design and manufacture of a formula-style race car. Their selection into the team was done by taking online interviews, after which the members were allotted to their respective departments. The team secured 16th place in the Formula Bharat rulebook test, which is mandatory to clear, to qualify for the competition, and this was the best rank that the team had achieved, to date. Soon after this, Formula Bharat announced the shift of the competition to a virtual platform. The team had to make the necessary changes in their plans and started to prepare for the virtual event, as this shift was a new challenge for the team.

The team had to burn the midnight oil and spend long hours in front of laptops and phones for conference calls and online meetings. After having done numerous designs and simulations, the team was confident and ready with the best car they had created to date. The team participated in Formula Bharat virtuals 2021, held in January-February 2021, and managed to achieve 9th position in business plan presentation event, 24th rank in engineering design presentation and an overall rank of 19th all over India, which is the best rank the team has achieved in all its history. The team looks forward to gaining more and more experience by participating in many more competitions and competing with Indian teams as well as international teams at the highest level in the near future.

Harsh Kareliya
Vice Chairperson (Team CFR)
Dr. Vasim Shaikh
Teacher Incharge (Team CFR)

PROJECT CELL - Report

Established in 2014, PROJECT CELL is an endeavor to promote innovative thinking amidst young minds. We work towards accomplishing tasks that could be gradually developed on a large scale and solve many social problems that exist today. At Project Cell, we tread towards learning new concepts, techniques and gaining practical experiences on implementation of Creative ideas out. The main goal of the Cell is to learn new technologies while developing new projects.

This year as pandemic struck and stalled everything but didn't stop Project cell to develop innovative and socially impactful projects, taking actively participation at national level Competition.

Activities carried out in cell throughout the year:

- 1.) Project cell participated at Eyantra Robotics Challenge held at IIT Bombay, we reached the Finals of the Competition and secured an AIR 6 out of 470 teams in the Vargi Bots themes, Project developed was Warehouse Management System Simulation.
- 2.) This year Project cell also participated at Eyantra Innovation challenge held at IIT Bombay and reached **Pre-finals** of the competition and stood amongst **Top 15** teams that participated in the competition where the theme was Disaster Management and project developed was Flood Monitoring, Alerting and Prevention System.
- 3.) Four Project Cell Team Members were selected for Eyantra Summer Internship Program in Computers Department at IIT Bombay based on their performance in the Competition.
- 4.) Teaching in Project Cell was carried out using Project Based Approach, where team members were trained on Embedded System, IOT protocols, Deep Learning, Machine Learning, Android Development, Web Development and innovative projects were also developed during the Learning phase. Simulation software Proteus and Tinker Cad was used in order to emulate the micro-controller.
- 5.) Project Cell website development was completed this year using technologies such

PROJECT CELL - Report

as React, Mongo DB, Node JS, Express which was successfully hosted displaying all the projects, Events that are carried out, Chat forum was developed for quick resolve of any query, subscription method was introduced such that an automatic mail will be sent to the users who wish to stay updated about the Ongoing Task in the cell. Further hosted website was also displayed on college website.

- 6.) Project Cell has made Advancement in the field of Machine Learning using tools such as Tensor flow, Scikit-learn, Py-torch by making multiple projects one of them is Facial Recognition Model which we are planning to replace current RFID Scanner Model on Door Lock.
- 7.) Further Multiple Android Apps were developed throughout the year one of them was for Inventory Management which shows all the items available also with the team member name who has issued the components, remaining part of Interfacing with RFID and cupboard was not possible due to pandemic but hopefully completed in this term.
- 8.) Innovation Competition for Fe's was carried out in order to get selected in the team for term 2021-2022. Students were trained on C programming Language and Basics of Micro Controller on Proteus for around 2 weeks and Idea Presentation with possible simulation on Proteus was displayed during the competition.
- 9.) IOT Workshop for Fe's was carried out where they were trained on Basics of Arduino and Node Mcu with Protocols such as HTTP and MQTT and serial communication such as SPI and I2C.

Future Initiatives:

- Effectively utilize the infrastructure and robotics facilities already available in college.
- To Complete the Facial Recognition and Inventory Management System.
- To make our own marketing team and get sponsorships from sponsors.
- To secure AIR 1 in both EYIC and EYRC competition

PROJECT CELL - Report

CONTRACTOR STATES

Last Note:

We would like to thank our Mentor Prof. Vaibhav Godbole for constant support, Mentorship and guidance throughout the year. We the current team are also thankful to the faculty and the HoD of electronics dept Dr. Sapna Prabhu for guiding us in a proper way. We also thank the director of the college for giving us permission to work during the pandemic for EYIC and also the department for giving us components i.e. funding in our projects etc. Lastly, Bhoir sir for helping us in all possible way.

Shree Lole
Vice Chairperson (Team PROJECT CELL)
Prof. Vaibhav Godbole
Teacher Incharge (Team PROJECT CELL)



2020 made us realize the uncertainty of things, of how feeble the human spirit stands in front of nature. The virus introduced several inadequacies across various professions and cultural sectors; It impeded us too.

But through it all we emerged, stronger than ever with undaunted spirits.

We found experiences and opportunities in unexpected places, learned to do things differently. Even though we were confined within the constraints of our own homes, we never stopped giving up!

And that's the trait that sets **Team Robocon CRCE** apart from the crowd; We never go static.

This tough period forced us to venture into different technologies by thinking outside the box and make yet another year despite its shortcomings worth it!

Since the beginning of its time horizon, Team Robocon CRCE is renowned for its history of sheer hard work and dedication towards the competition over the years which resulted in winning several years consecutively. And we aimed at making the year 2020 no different!

Inheriting the values and knowledge our forefathers (founding members) passed down to us since 2013, we've diversified into different research avenues and competition.

Building a bot that meets the necessary requirements conducting test cases along with the physical restrictions was definitely a challenge for us! We knew we weren't going to be tested for technical skills but also for our imagination and ingenuity. After thorough research, numerous conference calls and coffee sessions, we focused on building "An assistant bot for the visually impaired".

The bot's primary objective is to make indoor navigation feasible and economically reasonable. We hope to proceed with the objective with the same zeal and efforts when things return to normal.

By manifesting the power of the Internet, Robocon CRCE went digital!

We organized several workshops and training sessions for all team members during the initial period of the lockdown. As this was a different territory for us, the entire team came together to take on new responsibilities. We worked towards strengthening our knowledge and technical skillset through several online meetings and calls.

The online world seemed to put a lot of restrictions on our interaction but we never let it dampen our spirit. We introduced "Robotalks" a series of live sessions that delve

ROBOCON CRCE - Report

into the world of robotics and communicate with all enthusiasts. With each episode, we tried to decode several aspects of robotics, college life and placements through conversations with visionaries and alumni in the industries. And this is just the beginning, the team organized a "Web Development" webinar inclusively for all CRCE students in the second quarter of our academic year. Our main focus through the event was to impart knowledge and get the exposure that could be easily experienced during physical events. We are also proud to declare the launch of "Robo Blogs" curated by our very own team members!

Our prime focus with this initiative is to create a one-stop destination for all enthusiasts in the field of robots. With every blog, we hope to encourage students to pursue their ambitions. Additionally, we hoped to venture into the financial aspects of the entrepreneurial world through our webinar "Early Stage funding for Entrepreneurs"; Through the combined efforts of our speaker Mr Dinesh Israni Sir and the team, the event was deemed to be a success. And while the year was a rocky road for us, through the conscious efforts of every team member, we made it momentous!

Through the relentless efforts of every team member, We are proud to declare that Team Robocon has been awarded first place as "National winners" and the category winners for "Best Circuit Design" in "Brain-Wreck" -a National Level Competition, organised by Team Invictus under their technical event Equilibrium 2021. Moreover, if the "new normal" felt intimidating, we would like to thank Rev. Fr. Valerian D'Souza, our principal Dr.Srija Unnikrishnan and Dr.Deepak Bhoir for their constant support behind the achievements we have made so far. We also would especially thank our mentor Prof. Kranti Wagle and Prof. Saurabh Korgaonkar for guiding us and helping us overcome every difficulty that we encountered along our journey so far. And while the journey has been more important than the destination, we learnt a few things here and there. These unprecedented times taught us to survive, to choose to run towards our problems and not away from them. Because that's what heroes do.

Richa Tripathi
Vice Chairperson (Robocon CRCE)
Prof. Saurabh Korgaonkar
Teacher Incharge (Robocon CRCE)
Prof. Kranti Wagle
Teacher Incharge (Robocon CRCE)

VAAYUSHASTRA - Report

Team Vaayushastra is a premier Aero Design and Modelling team that has practical experience in the design and fabrication of Fixed Wing Unmanned Aerial Vehicles. Team Vaayushastra was formed in 2012 to represent Fr. Conceicao Rodrigues College of Engineering in SAE Aero Design Competitions. The team is composed entirely of college undergraduates with aptitude and interests helpful for the challenge. The members of the team are recruited through a progression of interviews and aptitude tests to check their technical calibre and ability to co-operate as a team. The team then proceeds to conceptualize, design and fabricate different aspects of UAVs to contend in American skies.

The SAE Aero Design competition is intended to provide undergraduate and graduate engineering students with a genuine engineering challenge. The competition has been designed to provide exposure to the kinds of situations that engineers face in their real-life work environment. Since its initiation, the team has taken part in the advanced class of the competitions eight times, continually enhancing its results. The theme for the advanced class spins around a subscale demonstration to colonize the surface of Mars. This necessitates the team to design a lot of reliable frameworks meeting standard pre-requisites of the class, including a Primary Aircraft, an Autonomous Glider, and a Ground Station. The Autonomous Glider known as the Colonist Delivery Aircraft is released from the Primary Aircraft and houses humans that are represented by table tennis balls. Water Bottles and Habitat modules should likewise be released in the same flight, into the assigned landing zone, to sustain the humans on Mars and increase their days of habitability. All of this is ensured and executed using various sensors encompassing our Data Acquisition System coupled with a Graphical User Interface that predicts the trajectory of payloads, an Autonomous Control System that controls our CDA and parachutes to convey water bottles. Well known for our amazing designs, ingenious avionics systems and having a stellar record, the team has earned quite a reputation in the international circuit. We stood 2nd in Asia and 9th among international teams with recognition from both the judging panel as well as our peers in 2020.

Due to the pandemic, this year the competition was organized virtually. Nevertheless, we worked diligently, tackling a whole different set of management challenges. We are confident that the sincerity and dedication of our team will make the country and

VAAYUSHASTRA - Report

college proud. So watch us, join us and support us as we Dream, Build and Fly.

WAR SATURATION SATE

Achievement

We secured 9th position internationally among the top-ranked foreign universities, 9th in the design report stage and 10th in the Technical Presentation at the SAE Aero Design (East) competition in the advanced class held at Lakeland, FL USA in March 2020. We are eagerly awaiting this year's results.

Instagram - https://instagram.com/teamvaayushastra?igshid=78zffm92ldrh linkedIn - https://www.linkedin.com/in/team-vaayushastra-05a7a3147

Facebook- https://www.facebook.com/TeamVaayushastra

Website - http://teamvaayushastra.in/

Yashovardhan Kheman Vice Chairperson (Team Vaayushastra) Prof. Dipali Bhise Teacher Incharge (Team Vaayushastra)

ACM COUNCIL - Report

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The ACM council organized five different events during the academic year 2020-21. Due to the ongoing pandemic, all these events were held virtually on either Google meet or Zoom platform. A brief review of each of these events is given below.

1. 'Career Flight' by Mr. Sojan Chandy.

This webinar was based on resume building and improving the Linkedin profile. Mr. Chandy explained different aspects of a strong resume and the impact it can have on the recruiting process, he also demonstrated the benefits of having a diverse and comprehensive Linkedin profile. 70 students were present for this webinar.

Platform: Google meet Date: 10 October, 2020.

2. 'My Story- A motivational session' by Mr. Gaurav Sen.

As the name suggests, this event was a morale boosting motivational talk that made our participants understand about the ups and downs of the industry. Mr. Sen poured in his experience and the state of his mind while settling into the evergrowing corporate IT industry. A more over 100 students attended this webinar.

Platform: Google Meet Date: 5 November, 2020.

3. 'Unscript Rookie's Hackathon 2020'.

ACM CRCE in collaboration with CSI CRCE organised Unscript Rookie's 2k20 - exclusively for Second Year students. More than 50 teams participated in three domains including Web Development, Android and Machine Learning respectively. Students got the opportunity to interact with the industry experts and push their limits to solve different real life problem statements.

ACM COUNCIL - Report

STUCKE STUCKE STORY

4. 'Get Hired- A complete walk through the hiring process' by Mr. Kushdeep Mittal.

This webinar focused on the entire process of getting hired by top IT companies. Our Speaker, Mr. Mittal, guided the students through the interview session and also reviewed their resumes in order to add some extra professional touch to them. Nearly, 100 students attended this webinar and took the benefit.

Platform: Zoom Date: 3 March, 2021.

5. 'Business Modelling and Plan Development' by Dr. Nandini Desai.

In this webinar, our speaker, Dr. Nandini Desai, addressed all the latest business requirements and all the points that must be considered while designing the business model. The speaker encouraged all the young entrepreneurs to recognize the start-up idea in their surrounding and carry great amount of patience to see growth and success of their start-up.

Platform: Google Meet Date: 6 April, 2021.

Pranav Gangurde
Vice Chairperson (ACM)
Prof. Prajakta Dhamanskar
Teacher Incharge (ACM)

CODELABS - Report

We at CodeLabs CRCE aim to promote the interdisciplinary nature of coding amongst students irrespective of the field they belong to. We organize various events to achieve the same on an intra-college level. Following are the events that we organized over the course of this academic year:

Binary Talk:

Binary Talk was a series of webinars that we held in order to make the students aware of topics that were trending from recruiter's point of view. These webinars also served the purpose of teaching the students the core concepts involved in these topics. The webinars were conducted by professionals from the industry who had first-hand experience in those particular fields. Episode No. 1 was conducted by Mr. Krish Naik, YouTube personality and co-founder of iNeuron.ai on 'How to start with Data Science' while Episode No. 2 was conducted by Mr. Akash Palghadmal, Analytical Development Analyst at MSCI Inc. and Mr. Princeton Baretto, Software Development Engineer at BrowserStack on 'Object Oriented Programming in Coding Interviews'.

We received excellent feedback from the students regarding this series and we intend to continue this.

Algoholic:

Algoholic was a series of coding competitions we conducted to test students' coding capabilities. These competitions forced students to think out of the box and implement novel solutions to various problems. This, in turn, developed their problem-solving skills which enabled them to be prepared for coding interviews. Algoholic 1.0 was conducted in the month of October whereas Algoholic 2.0 was conducted in the month of May. Many students participated in this event, and they showed a lot of enthusiasm right from the onset of the competition until the results.

CODELABS - Report

Competitive Coding and Placement Preparation Session:

This session was conducted in association with PrepBytes. The speaker for this event was Ms. Mamta Kumari, co-founder of PrepBytes. She leveraged her experience from Amazon and Samsung to inform the students that attended the session on how to prepare themselves for the upcoming placement season. Students attended this session in large numbers and a great response was received.

IIC Events:

We organized two events as part of IIC's initiative to increase innovation and entrepreneurship amongst students. The first session was conducted by Mr. Edwin Clement, Software Engineer at BrowserStack on 'Design Thinking, Critical Thinking and Innovation Design' while the second session was conducted by Professor Swati Ringe, faculty at Fr. CRCE on 'How to plan for start-up's ethical and legal steps. Students who attended these sessions gave us a highly positive feedback.

Other than these events, CodeLabs CRCE along with Mozilla Campus CRCE organized a national level hackathon, "UNSCRIPT 2K20". Students across the nation participated in this hackathon. This hackathon challenged the skills of coders and prodded them on to learn new technologies on the spot. This improved their critical decision-making skills. The hackathon was a resounding success. All the events throughout the year were organized successfully due to the hardworking members from the CodeLabs council. Our main aim is to help several other students in their careers and raise the bars of programming in our college, and we will continuously try our level best to achieve this.

Dion Trevor Castellino
Vice Chairperson (CodeLabs CRCE)
Prof. Roshni Padte
Teacher Incharge (CodeLabs CRCE)

CSI CRCE - Report

Computer Society of India (CSI), FR. C.R.C.E. is a council that promotes the technical development of the students of our college. With this cut-throat competition, aspirants are in the rat-race in becoming experts in emerging technologies. Our mission for every event is to impart knowledge to enthusiastic students. To fulfil this objective, CSI-CRCE organizes various seminars, workshops, lectures, and also hackathons.

At the beginning of the academic year, the council organized a virtual Web Development Boot camp on 10 October, 2020. Mr. Rathil Patel, alumni of FR. C.R.C.E., was the speaker for the event. The session guided the students on how to build on existing web technologies and understand the roadmap to proceed in learning advanced web development.

Furthermore, in collaboration with ACM-CRCE, CSI-CRCE organized the Fr. Conceicao Rodrigues Memorial Hackathon, Unscript Rookie's Hackathon, 2020. It was a one-of-its kind virtual hackathon which was conducted on the 21-22 November, 2020. The primary goal of this event was to raise awareness of technical talent and foster a competitive, yet cooperative, and professional culture for talented individuals. The hackathon welcomed participants from all over India to interact with Industry Personnel, faculty mentors, and with one other.

Following the hackathon, the council conducted its IIC-driven event, "My Story - Motivational Session By Successful Innovators" which was conducted on 28 November, 2020. It was a virtual session with a huge participation. The idea behind the event was to enlighten the young minds about entrepreneurship and start ups.

In the next semester, the council organized a virtual event on My Story-Landing a Dream Job and Living the Startup Dream on 7April, 2021. The speaker for the session was Mr. Gaurav Sen, alumni of FR.C.R.C.E. and also the founder of Interview Ready. The objective of the event was to help the students to understand and clear their doubts regarding placements, to get guidance on how they can land to their dream job and also illuminate them about start ups and entrepreneurship.

A virtual workshop on Prototype/ Process Design And Development was conducted by the council on 10 April, 2021. The event helped the students understand about process design and

CSI CRCE - Report

development (Prototyping) and also to edify the young minds about entrepreneurship and start ups by developing their own ideas and achieving success.

CSI-CRCE is always ready to help in making the students industry ready by providing them with an interaction with the industry experts in latest technologies. With a talented, diligent and dedicated council, genuine efforts are made while planning an event in order to keep the target audiences and participants in the front line. We believe in bridging the gap between arising technologies and curious minds, to instill confidence in them, in this competitive world.

Nisha Mascarenhas Vice Chairperson (CSI) Prof. Ashwini Pansare Teacher Incharge (CSI)

IEEE CRCE - Report

IEEE council has done 5 events Entrepreneurship and innovation as career opportunity, Technical Paper Presentation Writing, Women's Day Celebration, Successful Start-up Founders (entrepreneurs in campus), Project Competition Hardware and Software. On an average there were 40 students present during every event.

Entrepreneurship and Innovation as a Career Opportunity Webinar

Many students from the college actively participated in the event and showed their enthusiasm. Students from various branches attended the event. Firstly, our VCP(IEEE) 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.

Technical Paper Writing Presentation

VCP(WIE)Heena Shah introduced our very own HOD Dr. Sapna Prabhu ma'am as she was our speaker of the webinar. Then Dr. Sapna Prabhu ma'am started the webinar. She shared the structure of technical paper writing. She elaborately explained each element of the structure of technical paper writing. She explained the format, steps and the way we should present our technical paper. Also shared one technical paper which she and her colleague wrote while pursuing their PhD.

International Women's Day Celebration

SE Representative of Anu Thomas WDC-CRCE and Technical Head IEEE Khushboo Golampalle introduced our Local Superior Rev. Fr. Peter D'Souza. Father gave a wonderful speech on women empowerment. Then after his speech Rev.Fr. Valerian D'Souza proceeded with his speech of the day. Then our Principal ma'am Dr. Srija Unnikrishnan gave a speech on women leading the world. They had live performances as well as recorded performances. After the speech there was the First performance of the day beatboxing performance of Alrich followed by the first dance of the event Ghar more piya by Ms.Gini Chacko.

IEEE CRCE - Report

Successful Start-Up Founders

Design Head (IEEE) Nijo Ninan introduced our speaker of webinar Mr. Nirmal Topiwala interacted with professors and students very well as he is our alumnus. Also, he shared some of his college life experiences. Mr. Nirmal Topiwala started the event and it was an interactive event as he was asking many questions to every student present.

Crescendo - Project Competition (Hardware)

Low-Cost Portable Ventilator by Om Nerurkar and the team of FR. CRCE bagged first prize. They were awarded with a winning prize of Rs.5000/- with a certificate. 1st runners up were EmeMo- Smart Energy Utilization by Karuna Jagtap and the team of Shah and Anchor Kutchhi Engineering. They received the winning prize of Rs.3000/- with a certificate. 2nd runners up were Electric Wheelchair by Allen Pinto and the team of FR. CRCE received the certificate. Participation certificates were distributed to all the participants.

Crescendo - Project Competition (Software)

Spectrum HRMS by Aneesh Kanakdande and the team of NMIMS's MPSTME bagged first prize. They were awarded with a winning prize of Rs.5000/- with a certificate. 1st runners up were E-Learning Portal by Pranay bagrecha and the team of FR. CRCE. They received the winning prize of Rs.3000/- with a certificate. 2nd runners up were Hand tracking and Gesture Recognizing Communication system for Disabled People by Riya Gupta and the team of FR. CRCE. Participation certificates were distributed to all the participants.

Manoah Jeyaraj
Vice Chairperson (IEEE)
Hansie Aloj
Vice Chairperson (IEEE)
Heena Shah
Vice Chairperson (WIE)
Prof. Swapnali Makdey
Branch Counsellor (IEEE)
Prof. Sushma Nagdeote
Branch Counsellor (WIE)



During the academic year 2020-21 when we all were facing pandemic IIIExCRCE continued to fill in the gaps between the industry and the students. However the approach was quite different this year compared to past years as everything shifted to virtual mode thus seminars became webinars. IIIExCRCE put in a lot of efforts to conserve the shift of momentum without compromising on the quality of knowledge shared.

THE SAFETY SAFE

Following is the detailed information about the webinars conducted by IIIExCRCE:

Webinar 1

Saturday 29th August, 2020

Speaker: Mr. Kashyap Anandpara. (Director: Simeco Highrise Services Pvt Ltd

Co-founder: Sunniva Encon)

Topic: Energy Systems and Innovation in Green Manufacturing. Platform: Microsoft

Teams

Participants: 91

Webinar 2

Saturday 5th September, 2020

Speaker: Mr. Manthan Dakshini (Co-founder: Brillmax)

Topic: How to be an Entrepreneur.

Platform: Microsoft Teams

Participants: 124

Webinar 3

Saturday 12th September, 2020

Speaker: Dr. Kiran Bhole (Dean R&D- S.P College, Mumbai, PhD - Mech, IITB)

Topic: Hardware and Software of MicrostereoLithography.

Platform: Microsoft Teams Participants: 142

Webinar 4

Saturday 19th September, 2020

Speaker: Mr. Vinod Mahindrakar (JGM and Head, Manufacturing Technology Group,



Webinar 6 Saturday 28 February, 2021

Speaker: Mr.Swapnil Marwadi. (Ex- Asst Professor at FR.CRCE. Currently working with Tata Technologies.)

Topic: Product Design & Development. Platform: Microsoft Teams

Participants: 61

Two Days Faculty Development Program on 15 & 16 May, 2021 on the topic "Manufacturing & Management Practices in Areas of Mechanical Engineering - Tips for Sustainability Of Startups" was conducted under IIIExCRCE.

Following are the details of the speakers.

- 1. Mr. Shivanand Kugatoli (Siemens) New Trends in Tooling
- 2. Ms. Suchita Roy (RSDC) Technical skill developments
- 3. Mr. Sandeep Ubhaykar (Weldwell) new trends in welding
- 4. Dr. Vivekanand M B. (ALD vacuum Tech) Supply chain management practices
- 5. Mr. Ayaz A. Qazi (Precihole machine tools pvt ltd) New Trends in deep hole drilling

Girish Chawla
Vice Chairperson (IIIExCRCE)
Prof. Sunil K Das
Teacher Incharge (IIIExCRCE)

MOZILLA - Report

We are a club that focuses on upholding the current standards of technological advancement in the present era and ensures that the internet is a global public resource which is accessible to everyone. We target the promotion of usage of open source technology and imbibe a sense of pride and joy among the enthusiasts to meet the ever raising expectations of the industrial world. The club, which is run by a group of tech savvy and super motivated students, brings together well esteemed and renowned professionals and entrepreneurs from various backgrounds to host intellectual and enlightening webinars and share valuable knowledge with everyone. To summarize, we hope to leave an imprint in the minds of students to rejuvenate the engineering and entrepreneurship system across the country and make it a better place to live in.

The following were the main events that were organized during this academic year under the guidance of our club in-charge Prof. Mahendra Mehra:

AWS Certification:

Mr. Pranit Raje, Cloud Consultant at AWS Professional Services, conducted a webinar on how to prepare for AWS Certification on 31st October 2020 which was attended by 147 students. The main purpose was to guide the participants on the roadmap to get AWS certified and its scope in the near future. The speaker, being four times AWS certified himself, also shared his personal experience and its benefits.

UnScript 2k20 (Mixed Hackathon):

On 21st and 22nd November 2020, Fr. Conceicao Rodrigues Memorial Hackathon was held to provide student developers an opportunity to come together, work collaboratively, tackle problems and compete with creative minds. It also allowed participants to connect with industry personnel's, faculty mentors and each other. The problem statements focused on areas including Web/App Development, Machine Learning and Blockchain.

The entire event was conducted online through Google Meet and Discord server. A total of 49 teams consisting of 3-4 members each participated in the hackathon. Winner teams were awarded with prize money, certificate and other goodies.

MOZILLA - Report

Design Validation:

Mr. Ismail Akbani, Faculty at Symbiosis Institute of Technology, conducted an online webinar on 5th December 2020, which was attended by 55 students. The main purpose of the session was to introduce the participants to the various design validation models, the process and the phases of the double diamond approach with its significance.

Roadmap to become CyberSecurity Specialist:

On 27th March 2021, Mr. Rohit Date, Cyber Security Associate at BDO in India, conducted an online webinar. The main aim of the event was to introduce the participants to Cyber Security and its various domains thus highlight its highly growing significance. The participants were also guided about the pre-required skills to become a Cyber Security Specialist and the number of paths, certifications and projects to conquer it. It was attended by 50 participants.

Prototype Validation:

Mr. Rudragouda Patil, Assistant Professor & Entrepreneur Educator at MIT Academy of Engineering conducted a webinar on prototype validation on April 10th 2021, which was attended by a total of 37 participants. The main agenda of the session was to introduce the participants to the importance identifying the problem and passion, validation of problem and prototype and validating the minimum variable product with customer which can help one to convert a prototype into a start-up.

Sahaana Iyer
Vice Chairperson (Mozilla Campus Club CRCE)
Prof. Mahendra Mehra
Teacher Incharge (Mozilla Campus Club CRCE)

E-CELL - Report

The Entrepreneurship Cell of FRCRCE believes that entrepreneurship is the key to our nation's overall development. To create and foster entrepreneurial culture among budding engineering students by identifying, training and motivating students to become entrepreneurs is the ultimate goal of the entrepreneurship cell.

We conducted our very first online session 'Process of Innovation Development' on 28th December 2020. The students gained insights from a succession of eminent speakers, Dinesh Israni Naman Angels India Foundation, Harish Aiyer an entrepreneur, Prof. Kiran Talele. The objective was co-creating a culture of innovation among students. This session provided a platform for the students to share, interact and exchange their ideas with the speakers. Overall we experienced an overwhelming response for the session.

Our next event, one of the most awaited 'The Idea Competition' conducted online for the very first time by E-Cell in collaboration with the IIC-FRCRCE Council on 28th January 2021, saw the participation of 27 teams with a panel of judges ranging from an industry expert Mr. Mustafa Fatakdawala, Data Scientist, Associate Consultant from Tata Consultancy Services(TCS), to our very own faculty members Prof Hitendra Vaishnav, Prof Dr. Vasim Shaikh, Prof Roshni Padte, Prof Dr. Ketaki Joshi and Prof Binsy Joseph. Themes for the event were as suggested by the IIC comprising multiple domains. Ideas were shortlisted for final presentation on the basis of novelty, technologies used, technical and financial feasibility and market survey. All teams came up with innovative ideas. The team with maximum points was declared as the winner of the competition.

Next, an online webinar 'Awareness of Higher Studies' was delivered by an illustrious speaker Mrs. Saraswati V from The Gyan Foundation on 05th March 2021. The aim of this webinar was to make students aware of the career opportunities ahead of them after their graduation specifically for pursuing their masters abroad in countries like the USA and Canada. It was an exceptionally brilliant and highly informative session for the students.

The last session delivered was 'Lean Start-up and Minimum Viable Product' on 05th May 2021. We invited distinguished speakers Mr. Dinesh Israni from Naman Angels



India Foundation and Mr. Gunarjun Chawla an Entrepreneur. Business Modelling, Business Canvas and the steps involved were the highlights of the session. The session was well received by the students.

We would like to wholeheartedly thank our teacher incharge Mrs. Prajakta Bhangale for her never ending support and cooperation at all times. The challenging times did not deter us from conducting our events effectively. As Ralph Waldo Emerson quotes

"Don't go where the path may lead, go instead where there is no path and leave a trail".

Smith D'Souza
Vice Chairperson (Team Abadha)
Prof. Prajakta Bhangale
Teacher Incharge (Team Abadha)

NSS CRCE - Report

"The happiest people I know, are those who lose themselves in the service of others."
-Anne Frank

NSS has always stood up to its strong spirit of serving the society. Keeping in mind the motto "Not Me But You". Thus, the belief that we must strive for others is being realized through the selfless services of our unit who get into timely action, be it lending a helping hand to the needy or protecting and conserving the environment. We extend our gratitude towards our Director Fr. Valerian Dsouza, our Principal Dr. Srija Unnikrishnan, our Program Officers Prof. Pradeep Singh, Prof. Deepika Singh and Prof. Sunil Yadav for their encouraging bit of advice which proved beneficial to our volunteers through thick and thin of each event.

The year commenced with the registration of 100 active volunteers across SE, TE and BE. Students and faculty participated enthusiastically in webinars and workshops even in this COVID-19 situation. We began with a Yoga Webinar followed by Personal Sustainability, Carbon Footprint Webinar by NGO 'United Way'. Next was the Self-defense workshop by Kashyap Bhanushali. Next webinars were on Global Freedom Summit and Awareness on Anti Human Trafficking by an organization 'The Movement India'. We have organized a poster competition on topic 'Carbon Footprint' named Recycle Fest. We have also organized a webinar on mental health and welfare, Street Dogs Awareness, Reforms in India's Education System and Climate Change.

We have organized a workshop on Personal Sustainability consisted of 3 levels in association with an NGO 'The Movement India'. A webinar on Road Safety Awareness and welfare by Mr.Rohit Dalvi in association with NGO 'United Way'. A poster making competition was held by us on topics 'What Freedom Means to You' and 'Road Safety' in association with 'United Way'. An amazing workshop on Mandala Art was organized by NSS CRCE. We have also organized a webinar on World wetlands day in association with NGO 'United Way'. A webinar on Right to Information was held by NSS CRCE in association with 'Public Concern for Governance Trust (PCGT)'.

NSS CRCE has organized a survey on Mumbai Heath Budget 2021-2022 in association with Civis Foundation. A webinar was held on Vegan outreach a Virtual Tour by Kuntal A. Joisher.

NSS CRCE - Report

We have also organized a campaign where our NSS volunteer has feed stray animals and share their picture with us, this campaign was held in association with Paw-tectors. A webinar on "Celebration of 75 years of India's Independence "" Azadi ka Amrut Mahotsav ".

We have also organized a webinar on Importance on Women empowerment with Katalyst. A webinar on Child Labor, Bullying and Sustainability was held by NSS CRCE. On commencement of the Even Semester, An amazing webinar was held by NSS CRCE on 'An Evening with a Cop' by BSF Officer- Assistant Commandant Pushkar Chejara. In 2020-21 NSS CRCE has organizer more than 35 event and hope to keep more in the near future.

Currently we have a number of events and programs lined up for the coming days. As a team we always prioritize 'YOU' before 'ME' spreading cheer and smile around. We sincerely thank our Principal, our Director and 'YOU' for appreciation the work we do.

Happy Serving!!

Gaurav Sable
Vice Chairperson (NSS-CRCE)

Prof. Pradeep Singh
Teacher Incharge (NSS-CRCE)

Rotaract Club of CRCE - Report

The Rotaract Club of CRCE has been an integral part of Fr.CRCE. Our theme for the year 2020-2021 "Win the Vicissitude" acted as our guiding compass in these uncharted and turbulent times. We work along the motto "Service above Self". We started our tenure with the 'The Installation Ceremony' which was conducted on 28th September 2020 under the guidance of our parent Rotary, Rotary Club of Bombay Bandra and rotaract District 3141. The installation ceremony was conducted to appreciate the hard work of the previous Rotaractors and felicitate them. The responsibility was then handed over to the incoming Rotaractors which is a ritual followed by all other Clubs. The Installation ceremony was followed by various awareness seminars conducted through online platforms. The webinars were focused on self-development topics such as 'Life after Engineering' which precedes 'The RED WALL Project'. The Red wall project which was a part of 'Finding your Identity' initiative aimed towards giving a voice to the transgender victims and encouraging them to speak about the injustice done to them. We also started an editorial & professional development monthly initiative to escape the daily routine where you can ; Read. Listen. Binge. Mix. Mingle. Socialize.

Along With this we also collaborated on a mental health project 'Break the Stigma' with 'IEC Mumbai' focusing on spreading awareness and talking to experts through a series of videos. The Club conducted its annual charity run: 'The Heart and Sole Run 4' on 13th and 14th March 2021. In this new normal paradigm, with change being the only constant, we acclimatized ourselves accordingly through the fourth edition of the "The Heart & Sole Run" in the form of a virtual marathon with an initiative towards women empowerment, progress of underprivileged children and communities. Just like every year "The Heart & Sole Run 4" was also a charity run where we would support a cause bigger than ourselves while trying to give back something to the society. We donated our profits to the Community Outreach Program (CORP) and Fr. Agnel Ashram. With over 450 participants from all over India, the 'The Heart and Sole Run 4' commenced with great zeal and enthusiasm making a difference in these difficult times. The Rotaract Club of FR. CRCE aims to Make a Difference by helping society in every possible way.

Kraig Fernandes
Vice Chairperson (Rotaract club CRCE)
Dr. Sujata Deshmukh
Teacher Incharge (Roaract club CRCE)

TEDxCRCE - Report

"Daring ideas are like chessmen moved forward; they may be beaten, but they may start a winning game."

— Johann Wolfgang von Goethe

On the 7th of November 2020, TEDxCRCE hosted its 5th version of TEDx Talks at Fr. Conceicao Rodrigues College of Engineering. The event was broadcasted live on Zoom due to the ongoing pandemic. The theme for the year was "Shifting Gears". This year at TEDxCRCE, we believe that the entire essence of life demands people to challenge themselves and push themselves off the edge just to see if they can fly – that is the true meaning of life. Life is a series of unpredictable events forcing one to take risks. The result often is uncertain; perhaps even disappointing, but there is only one question to ask "Are you willing to shift your gears and challenge yourselves?" This year, the event saw 6 dynamic and eloquent speakers from various fields sharing their instances of the "Shift of Gears moment" in their life, all with a single mission of "Ideas worth Spreading". The admirable personalities included Mrs. Apurva Purohit, an enterprising Indian businesswoman, the President of Jagran Prakashan Ltd; Mrs. Triveni Acharya, an Indian journalist and an activist; Mrs. Shibani Kashyap, a Bollywood singer, music producer, and composer; Dr. Vikas Karade, a BTech, Masters, and a Ph.D. Holder from the Indian Institute of Technology, Bombay, who is a Y-combinator backed start-up company founder and having over 10 years of experience in surgical visualization and automation; Mr. D.R. Karthikeyan, an IPS officer, the former director of CBI, and the director-general of the national human rights commission. He also headed the Special Investigation Team (SIT) that probed the Rajiv Gandhi assassination case; and lastly, Rhythm Funk a band of 8 talented Indian artists.

On the 6th of March 2021, TEDxCRCE hosted its 4th Internship Expo at Fr. Conceicao Rodrigues College of Engineering. The event was broadcasted live on Zoom due to the ongoing pandemic. Over 300+ students joined live, looking for internships, eager to meet and communicate with the recruiters at hand. This year, 23 exhibitors participated in the event offering summer internships in technical and non – technical fields like Web and App development, IT, Graphic Designing, Digital Marketing, Content Writing, HR and Administration, Business Development, Social Work Volunteering, Mentors, Stock Marketing etc. Participation and enthusiasm of students, teachers and recruiters ensured the success of the Internship expo 2021.

TEDxCRCE - Report

In the month of September 2020, TEDxCRCE hosted a Social Media Campaign – DIVULGE, commending students from our college, who got out of their comfort zone, dared to take risks and pursued their passion in the lockdown of 2020. Multiple entries from students, eager to share their journeys and inspire others were submitted with 6 students being featured on the council's various social media platforms.

We would like to express our sincere gratitude to our Director Rev. Fr. Valerian D'souza, Principal Dr. Srija Unnikrishnan, the college management, our Teachers-in-charge: Prof Prachi Patil and Prof Monali Shetty, our faculty members and the student community for their unstinted, consistent backing and encouragement in the entirety of our endeavours. I would also like to extend my gratitude to the entire council who worked extremely hard and continued to make TEDxCRCE strive for more. Going forward, we at TEDxCRCE will endeavour to achieve a fresh new outlook for our projects and will raise the bar further in creating more powerful, professional and energetic community-centric events.

Gladden Rumao
Vice Chairperson (TEDxCRCE)
Prof. Prachi Patil, Prof. Monali Shetty
Teacher Incharges (TEDxCRCE)





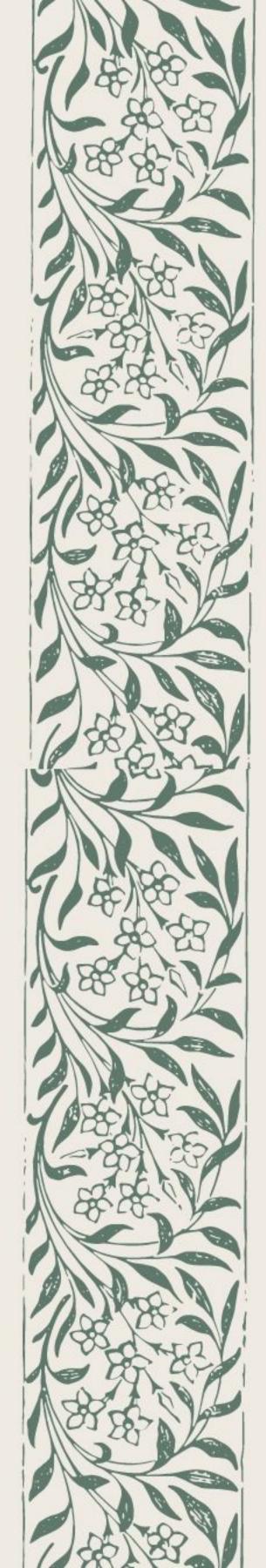


आज कल कुछ तकलीफ में हूँ, हाँ मैं बीमार हूँ । जकड़ लिया है इस महामारी ने मुझे भी, पता नहीं है किस बात पर यह इतना इतराती | काम कुछ हो नहीं पाता, मेरा सर भी जिससे है थोड़ा चकराता | सांस लेने में भी हो रही है बडी परेशानी, अपनों से भी न मिल पाओ ऐसी होगई है कहानी | खाना ठीक से खाया नहीं जाता, अकेले रहना अब सहा नहीं जाता। बिस्तर पर ही लेटे रहने की डॉक्टर ने दी है सलाह, खानी पड़ती है रोज न जाने कितनी कड़वी कड़वी दवा | देखकर हालत को मेरी, अगर चाहते हो ज़िंदगी स्वस्थ और खुशियाँ भरी?

याद बस इतना रखना..

मुखच्छद और प्रक्षालक इत्यादि का इस्तेमाल जारी रखना, साथ ही में दो गज की दूरी जरूर बनाए रखना | खाते-पीते स्वस्थ रहना, कोरोना से थोड़ा भयभीत होकर, कृपया अपने घर पर ही व्यस्त रहना |

> - नीरज जैन तृतीय वर्ष (उत्पादन अभियांत्रिकी)



एक दिन एक दिन ज़िंदगी के सारे तमाशे जोड़ कर एक नया तमाशा लिखूंगी, स्याह शब्दों में फिर प्राण फूंक दूंगी, वहाँ अल्पविराम की कोई जगह नहीं होगी। खडीपाई तालियां बजाये जायेंगी, उन्हें उनका घर मिल जायेगा। मेरे तमाशे की हिरोइन, लिजलिजे हीरो की लिजलिजी आत्मा के जागने का इंतज़ार नहीं करेगी; मेरे तमाशे की हिरोइन खुद कहानी का हीरो उभरेगी। तमाशे का कोई नाम होगा के ना होगा, तमाशों के नाम से खैर लेनादेना क्या है? तमाशा चोट करेगा, बार बार चोट करेगा। पुराने ज़ख्म कुरेद देगा और फिर तमाशे जन्म लेंगे। तमाशे जहाँ जीत होगी, तमाशे जो हार से हार जायेंगे। एक दिन!

> - ऋचा त्रिपाठी तृतीय वर्ष (कनक अभियांत्रिकी)



क्या बिना अंधेरे रोशनी मुमकिन है? चांद की तीस रातें हैं, (मान लेते हैं) इन तीस रातों को दो खंड में विभाजित किया गया, शुक्ल पक्ष और कृष्ण

पक्ष ; सरल शब्दों में चांदना पक्ष, जहाँ चंद्रमा बढ़ता है और अंधेरा पक्ष, जहाँ चंद्रमा घटता है। मुझे नहीं पता

> कि क्या होता होगा बस मैं ने ये सुना है और बचपन से देखा है। फ़र्ज़ करो चांद से अंधेरा मिटा दिया जाये;

> > अब क्या वो रोशन है?

क्या वो चांद है?

क्या बिना अंधेरे रोशनी मुमकिन है?

मैं जैसा मानती हूँ उस हिसाब से चांद से अंधकार हटा नहीं की चांद से चांद घटा नहीं। ठीक वैसे ही हम भी तो दो भागों में बंटे हैं; वही दो भाग जिनसे हम; हम बने हैं। सोचो तुमसे तुम्हारा तमस ही छीन लिया जाए तो क्या उजास का कोई मायना रहा?

क्या तुम; तुम रहे?

हमें हम बने रहने को हमारा तमस ज़रूरी है। और हमारे तमस से हमारा निबाह ज़रूरी है। अपने अंधेरे से भाग कर रोशनी कहीं नहीं है। कहीं होगी नहीं।

दिया तले में अंधेरा रखता है पर उससे उसका दिया होना नहीं खत्म हो जाता। ज़रूरी है कि अपने अंधेरों से वाकिफ हुआ जाये, उसे अपनाया जाये और रोशनी से सामंजस्य बिठाया जाये।

अपने अंधेरों से लड़ना भी हमें खुद ही पड़ता है और उन्हें अपनाना भी। खैर मुझे उस गीत के बोल बहोत पसंद है,

मगर;

आप किसी का अंधेरा नहीं ले सकते हाँ, किसी के अंधेरों को बांटने अपने उजले सितारों की मशाल जलाये रख सकते हैं। और बस यही सारी गणित है।

> - ऋचा त्रिपाठी तृतीय वर्ष (कनक अभियांत्रिकी)



नारी पल्लू से बंधी, चूल्हा-चौके में सिमटी, नहीं हूँ मैं | आजाद खयालों की, लेकिन संस्कृत विचारों की, नारी हूँ मैं ...

न कोई समझे, न कोई जाने, इन पहिराव से | जानो तो मुझे, अपने दिल और विचारों से | ऐसी नारी हूँ मैं ...

चारों और नजरे बिछाई हूँ मैं, सब का खयाल रखती हूँ मैं | फ़िर भी अपने इरादे में थमी हूँ मैं, ऐसे मारी हूँ मैं...

> -रिधि बाऊस्कर तृतीय वर्ष (सूचना तकनीकी)



मन

चल उड चल कहीं रे मन मुझे साथ लेकर | जहाँ कई रंगीन चिडियाँ चहक-चहक कर सभी को जगाती हो। हर जगह हरियाली हो महकती थंडी हवा भी छूती हो। चल उड चल रे मन मुझे साथ लेकर | जहाँ बड़े-बड़े वृक्षों की तन्हाईयों में झूले हो टंगे, खेलती-हस्ती मधुर गीत गाती बच्चियाँ जहाँ हो। चल उड चल कहीं रे मन मुझे साथ लेकर | चंचल-कोमल मन है तू, कठोर निसुर तेरा ही रुप पल में यहाँ, पल मे वहाँ, सात-समंदर उड़ता दिखता। चल उड चल कहीं रे मन मुझे साथ लेकर।

> -रिधि बाऊस्कर तृतीय वर्ष (सूचना तकनीकी)



अनसुनी कविताएँ

आज की कविता में बौद्धिकता की प्रमुखता और प्राथमिकता आ गई है। कवियों ने किवता को हृदय पक्ष से कुछ दूर हटाकर मस्तिष्क को सौंप दिया है। आज के किव किवता में विचार देना अपरिहार्य मानते हैं। वे छंद और लय का विरोध करते हैं। ऐसे नूतन किवता के पक्षधरों या हिमायितयों से किव अटल दूर रहते हैं। उन्होंने नई किवताओं की रचना की हैं, नए प्रयोग किए हैं, नए शिल्प को भी गढ़ा है, किन्तु छंद और लयात्मकता का वे तिरस्कार नहीं करते। वे प्रयोगधर्मा तो हैं किन्तु प्रयोगवादी नहीं। उनके प्रयोग न तो अज्ञेय से प्रभावित हुए हैं और न मुक्तिबोध से उनके प्रयोग

स्वयं उनके अन्तर्मन की भावनाओं से प्रभावित हैं, जिनमें शुद्ध राष्ट्रीयता का गंगाजल भरा है। वे किसी भी आयातित विदेशी विचार के प्रचारक नहीं बने बने तो मात्र भारतीय संस्कृति के प्रचारक, जिसमें विश्व को अभिनव प्रकाश देने की क्षमता है और रहेगी। कवि अटल के काव्य में सुस्पष्ट बिम्ब झलकते हैं। उनको नई कविता में इन बिम्बों का बहुत महत्व है। ये विम्ब ऐन्द्रिय और सांस्कृतिक अधिक है। ऐन्द्रिय

बिम्बों में दृश्य एवं श्रवण बिम्ब उत्तम उल्लेख्य है। एक उदाहरण प्रस्तुत है:

बेनकाब चेहरे हैं दाग बड़े गहरे है लस्म आज सच से भय

टूटता तिलस्म आज सच से भय खाता हूँ। लगी कुछ ऐसी नज़र

बिखरा शीशे सा शहर अपनों के मेले में मीत नहीं पाता हूँ।
अनुभूति की ईमानदारी, विचारों का सुचितित स्वरूप और शिल्प के ताजेपन के
साथ अटल जी ने अपनी कविताओं द्वारा हिन्दी पाठकों को कुछ अनूठा दिया है।
छंद सौंदर्य और शब्द संगीत के मर्म को समझने वाले बहुत किव ने अपने विचारों
को जो उत्कर्ष प्रदान किया है, वह सराहनीय है। अटल जी ने प्रतीकों का गठन,
बिम्बों की निर्मलता और अनुभूति को अभिनव प्रस्तुति की ओर विशेष ध्यान दिया
है। उन्होंने किवता को किवता ही रहने दिया चमत्कार भरकर उसे कला नहीं बनने
दिया। शिल्प की दृष्टि से अटल जी का काव्य पर्याप्त सम्पन्न है। इसका मुख्य कारण
है उनको अध्ययन के प्रति विशेष प्रवृत्ति उनके काव्य में छंद-वैविध्य, रस-वैविध्य
और अलंकार-वैविध्य के साथ-साथ भाषा का सुगठित स्वरूप देखने को मिलता है।
निस्संदेह वे एक समर्थ और पूर्णमनोरथ किव हैं।

-निवेश शर्मा द्वितीय वर्ष (यांत्रिक अभियांत्रिकी)



यह जंग नहीं आसान

यह जंग नहीं आसान, प्यारे जंग नहीं आसान मिलकर हमको लडना है, डरने के बदले, कोशिश की मशाल बनकर जलना है | यह डगर नहीं आसान, है यह डगर बड़ी चट्टान । फैल चुका है चारों ओर यह अदृश्य जानलेवा अंधेरा, मुफ़्त में है बांटे सबको मौत का ये सेहरा | यह समय नहीं दहकने का, यह समय है केवल संभलने का | यह जंग नहीं आसान, जारी है युद्ध घमासान, तो इसका अर्थ यह नहीं की हमारी हार निश्चित है, माना की जीते नहीं है हम अभी, तो हारे भी नहीं है हम भी | अब जब बीमार है सारे करीबी, तो थोड़ा डर लगने लगा है हमें भी वक्त मुश्किल है, यह सभी जान रहे हैं, निराशा केवल इस बात की है, न जाने लोग कहा क्यूँ नहीं मान रहे हैं |

> शिवम यादव चतुर्थ वर्ष (सूचना तकनीकी)



खिलौना

इंसानों को खिलौनो की इतनी भी क्या कमी पड़ गयी है, आज फिर एक बेटी, हैवानियत के पैरो तले रगड़ दी गयी है |

तुम सूरमा हो तो क्या, आँखें झुकाना भी सीखलो, और अगर गुरुर में हो, तो अपनी हरकतें सुधारना भी सीखलो |

वक़्त तो आपको, सुधरने-सँभलने के मौके हज़ारो देता है | सब कुछ आप पर है, फायदा चाहते हो या नुक्सान ? वरना बहोत बदतमीज़ है यह कम्बख्त वक़्त, एक पल में सारा कुछ, ब्याज समेत छीन लेता है |

> शिवम यादव चतुर्थ वर्ष (सूचना तकनीकी)



मजदूर (लघुकथा)

दो मजदूर ट्रक से सामान की भरी बोरियाँ उतार कर अपने सिर पर लादे हुए बड़े व्यापारी/ विक्रेता के गोदाम में रख रहे थे। एक-एक बोरी का वज़न पचास किलोग्राम से कम नहीं लग रहा था। बिना रुके हुए वे दोनों यह काम कर रहे थे। थोक और फुटकर दुकानों के आसपास खड़े कोई-कोई सज्जन इन मजदूरों को देखकर कह रहे थे, "देखो इन दोनों ने मास्क नहीं लगाया है। इन्हें ऐसा नहीं करना चाहिए।" कोई-कोई खरीददार यह भी कह रहे थे, "मास्क लगाने से इन श्रमिकों को तकलीफ होती होगी और ये लोग जल्दी थक जाते होंगे क्योंकि शारीरिक श्रम करते समय श्वास लेने के लिए ज्यादा वायु की जरूरत होती है।"

इन क्रेताओं की बातों के साथ क्यों न यह भी मान लिया जाए कि इस कठोर काल में कड़ी धूप और श्रम भी उन दोनों की सराहना अवश्य कर रहे होंगे। अपना कार्य पूरा करने के बाद दोनों मज़दूरों ने अपने सिर पर बँधे गमछे को उतारकर अपना चेहरा पोंछा व अपनी जेब से मास्क निकालकर लगा लिया। फिर वे दोनों उसी ट्रक में बैठकर किसी दूसरे गोदाम में सामान पहुँचाने चल दिये।

> -गरिमा त्रिपाठी सहायक प्राध्यापिका



वहीं..

सब कुछ थम सा गया था। ना वो कुछ बोले, ना हम.. ऐसा लग रहा था जैसे आज उस चांद ने अपनी जादू चला है दी थी! हाथों में हाथ, नज़रों में आंस् जुबान पर जैसे पूरी कुरान हो, पर लफ्ज़ धोका दे रहे थे; कोई कुछ ना बोला। बोले तो बस वो दो टूटे दिल; लग तो ऐसा रहा था जैसे अब वो सीना चीर कर बाहर कूद पड़ेंगे.. अब उन दो हाथों की दूरी भी उनसे सही नहीं जा रही थी। अचानक आंधी आयी, हाथ छूटे.. बगल में बैठे तुम अब कहीं दूर किसी रेगिस्तान में खो चुके थे.. पीछे बचा तोह बस ये ट्रटा दिल! उठे हम वहसे; वादा किया खुदसे, मुड़कर ना देखेंगे दोबारा; पर कम्बक्त ये दिल, सीना छोड़ कर वहीं बस गया।

> -मोहित पानसरे प्रथम वर्ष _ए (कृत्रिम होशियारी और आंकड़ा विज्ञान)



इकिगाई

जब हम छोटे होते हैं, हमें सब सलोना लगता है, जब समझ आती है, हमें कई चीज़ें भाने लगती हैं, कुछ हमारा जुनून, हमारा नशा बन जाती हैं, कुछ हमारी आदत, कुछ दुनिया की ज़रूरत, कुछ कमाने का स्रोत बन जाती हैं। परंतु, हमारा जुनून, हमारा नशा, हमारी खुशी की वजह बन जाता है, वही हमारी सुबह उठने की वजह -हमारी इकिगाई बन जाता है।

> -मोहिनी गौतम प्रथम वर्ष _डी (कनक और संगड़क विज्ञान)





SCORE STATE OF THE STATE OF THE

जरा विसावू या वळणावर ...

आईच्या पोटात असतानाच, चिमुकल्या त्या जीवाची, कसरत असते जगण्यावर .. म्हणूनच जन्मानंतर आईच्या कुशीत शिरताना, तेही म्हणत असेल का ... जरा विसावू या वळणावर ... शाळा-कॉलेज-शिक्षण-संस्कृती, मूल्यांचे धडे गिरवले प्रत्येक टप्प्यावर ... ज्ञानाने समृद्ध झाल्याची जाणीव झाली, तेव्हा कोणी म्हणत असेल का ... जरा विसावू या वळणावर ... जोडीदार-संसार-प्रपंचातला कोवळा आधार, नव्याने शिकवतो प्रेम करायला जगण्यावर .. सर्व काही कमावलं आता, अशा जाणिवेने कोणी म्हणत असेल का ... जरा विसावू या वळणावर ... आयुष्याची संध्याकाळ... मिणमिणता दिवा, मोजक्या घटिका, आणि अपूर्ण स्वप्न उंबरठ्यावार ... अखेर त्या क्षणी ... वाटेल का कोणाला... जरा विसावू या वळणावर... जरा विसावू या वळणावर...

> -रिद्धी बाऊस्कर तृतीय वर्ष माहिती तंत्रज्ञान अभियांत्रिकी





आनंद

फार वर्षांपूर्वीची एका छोटया मुलीची ही गोष्ट. तेव्हा आरसा फारसा प्रचलित नव्हता. त्या मुलीची आई खूप आजारी होती. व जेव्हा आईचा मृत्यू जवळ आला तिने एक डबी आपल्या मुलीला दिली आणि म्हणाली, जेव्हा तुला माझी खूप आठवण येईल तेव्हा ही डबी उघड, त्यात मी दिसेन. आई आणि मुलीच्या चेहऱ्यात विलक्षण साम्य असल्यामुळे जेव्हा ती मुलगी डबी उघडत असे, तिला आई दिसत असे आणि ती अतिशय आनंदित होत असे. नंतरच्या काळात मुलीला अज्ञानाचा उलगडा झाला की नाही हे मला माहीत नाही पण मनात विचार येतो, खरचं किती सुखी असेल नाही ती मुलगी। मृत्यू नंतरही तिला तिची आई दिसत होती. अज्ञानातला आनंद होता तो. अशा अनेक गोष्टी असतात त्या आपल्याला माहीत नसतात म्हणून आपण सुखी असतो. पण हे काही योग्य नव्हे. त्यापेक्षा ज्ञानाची उपासना करून अज्ञानाचा अंधार दूर करून जो आनंद मिळेल तो शाश्वत असेल. जर आपल्या पूर्वजांनी असाच अज्ञानात आनंद मानला असता तर मानव इतका प्रगत झाला नसता. नवनवे शोध लागले नसते. आपल्या मुलांनी खूप शिकावे, अभ्यासातला आनंद शोधावा म्हणून पालक प्रयत्न करतात पण आम्हा मुलांना त्याची किंमत नसते. उलट अभ्यासाचा कंटाळाच असतो. प्रत्येकाचा आनंद मिळविण्याचा मार्ग वेगवेगळा असतो. वाचन, लेखन, पक्षीनिरीक्षण, गिर्यारोहण, संगीतसाधना, खेळ, ध्यानधारणा, भजनकीर्तन, विशिष्ट छंदाची जोपासना अशा अनेक प्रकारे आनंद शोधला जातो. बाबा आमटे, मदर तेरेसा यांसारख्या थोर व्यक्ती तर समाजातील रोगी, अपंग, आजारी, दीन-दुबळया लोकांची सेवा शुश्रूषा करण्यात आनंद मिळवितात.

आनंद मिळविण्यासाठी बालकवी आपल्याला खूप चांगला मार्ग दाखवतात. ते आपल्या कवितेत सांगतात सोनेरी सूर्यिकरणात आनंद पहा, हसणाऱ्या चांदण्यात पहा, प्रेमाने खुललेल्या संध्येकडे पहा. ती जे आनंदाचे गाणे गात आहे त्यात आपला आनंद शोधा. काहीजण मात्र आनंद मिळविण्याचे चुकीचे मार्ग स्वीकारतात, पण तो आनंद खरा नसतो. त्यांना बालकवी संदेश देतात.

"स्वार्थाच्या बाजारात किती पामरे रडतात, त्यांना मोद कसा मिळतो, सोडूनी स्वार्था तो जातो,"

पण आता हवाय आम्हाला फक्त आनंद चारी दिशात भरलेला...

"द्वेष संपला, मत्सर गेला आता उरला, इकडे तिकडे चोहिकडे आनंदी आनंद गडे.."

- रोहित नायर द्वितीय वर्ष अणु-विद्युत आणि संगणक शास्त्र





तेच ते...

कदाचित आजच होणारे काम आजच झाले तर? तर उद्यावर ढकलून द्यायचे काम आजच झाले तर? आजचे काम उद्या केले, तर आज काय करणार?

काम करणे हे आजच्या पिढीला नकोसे झाले आहे. आज एक काम आले तर ते परवाच्या अगोदर करणे म्हणजे अपमानास्पद वाटू लागले आहे. कोणतेही काम उद्भवते याचे कारण काहिही असो, ते आज न करणे हे ध्येय!

> काम न केल्याचे चटके न दिल्यास काम करणारा ही ते बरोबर नसे करत काम केल्याची रक्कम मिळाल्यास मात्र काम किधही वेळेअगोदर केले जाते

कामात अडथळे घालण्यात काही लोक तरबेज पण तेच काम अगदी स्वतः करणे हे मात्र झेपत नाही काय करावे हे त्यांना कधी कळलेच नाही पण तोंड चालवणे याचा दररोज नवा बेत

> - यशस जोगळेकर द्वितीय वर्ष यंत्र अभियांत्रिकी





वसंताची पहाट

हळुवार उमलले उमाळे आनंदाचे बहरण्यास वसंताची पहाट राजी होती आठवणी तेवढ्या शिळ्या होत्या कारण कारणंही तितकीच ताजी होती!!

> - भूषण साळुंके द्वितीय वर्ष यंत्र अभियांत्रिकी





मीच का?

मीच का? किंवा असे माझ्याबरोबरच का झाले? हे वाक्य आपण सगळेच आयुष्याच्या कुठल्या ना कुठल्या पायरीवर म्हणतोच. कधी कुठले संकट कोसळले किंवा निशबाने आपली साथ नाही दिली तर काही लोक या प्रश्नांचा वापर हमखास करतातच. पण या प्रश्नांचे गांभिर्य न जाणता त्याचा वापर करणे हे काही योग्य नाही.

जेव्हा आपण मीच का? असा प्रश्न विचारतो तेव्हा आपण आपले दुर्दैव, आपले संकट आपल्याला सोडून इतरांच्या वाटयाला का नाही आले हे व्यक्त न करताच बोलून जातो. मग तसा विचार जाणूनबुजून असू शकतो किंवा तसे म्हणण्याचा आपला उद्देशही नसावा. मीच का? म्हणून इतरांना का नाही? या प्रश्नाचा बोलण्यात उल्लेख करण्याची गरजच नसते. पण जर हा प्रश्न निर्माण झाला की मग आपल्या मनात असे अमानुष राक्षसी विचार आले याची आपल्यालाच लाज वाटू लागते.

मीच का? म्हणून आपण आपल्यावर कोसळलेल्या संकटांना आपल्या दुःखांना सामोरे जाण्याएवढी क्षमता आपल्यात नाही, बळ आपल्यात नाही असे सगळ्यांना सांगतो आणि आपल्यात जी क्षमता असते तिला संधी न देता दुःख, खंत, संताप यांच्या जंजाळात घुटमळत बसतो. अशारीतीने लढा देण्याच्या क्षमतेला आपण पारखे होतो. मग एकदा का आपण संकटांना लढा देण्यात अयशस्वी झालो की आपला हिरमोड होतो आणि आत्मविश्वास गमावून बसतो.

मीच का? असे म्हणणे काही चुकीचे नाही. ही मानवी वृत्तीच आहे. पण या प्रश्नाने आपण आपलेच नुकसान करून घेतो. जगात सगळ्यांना संकटांना सामोरे जावे लागते, सगळ्यांना दुःखी, अपयशी होण्याची भीती वाटतेच. या गोष्टींची रूपे जरी वेगवेगळी असली तरी संकटे आपल्याला एक नवीन शिकवण, अनुभव आणि ताकद देतात आणि या गोष्टींचे मोल कुठल्याही क्लास किंवा कोर्सपेक्षा अधिक जास्त असते.

मीच का? म्हणून आपण आपल्याकडे आलेल्या अमूल्य संधीचा अपमान न करता त्या संकटाला (संधीला) हसत हसत साद घातली पाहिजे.

> - रोहित नायर द्वितीय वर्ष अणु-विद्युत आणि संगणक शास्त्र



CONTRACTOR OF THE PARTY OF THE

ईकीगायचा शोध

ईकीगाय हि एक जपानची संकल्पना आहे, आपल्या अस्तित्वाविषयी. आपल्या असल्याने काय परिवर्तन आणू शकतो याचा शोध ! जेणेकरून येत्या दिवसांत सूर्य अजून झळाळेल, चंद्राची कोमलता जास्त सुखावह वाटेल, वसुंधरा सर्व- समावेशक होईल व प्रत्येकाचे जीवन सहजसुलभ आणि सफल राहील.

जीवनाला आश्वासक आणि परिवर्तनात्मक असे सुंदर वळण मिळावे. आपल्या हातून असे कार्य व्हावे जेणेकरून इतरांना आनंद मिळेल. अशी खबरदारी घेऊ की कुणी आपल्यामुळे दुखावणार नाही. आपल्या रोजच्या वापरात अश्या गोष्टींचा समावेश असावा ज्याची विल्हेवाट सहजगत्या करता येते. अक्षय्यउर्जेचा वापर व निसर्गांचे संगोपन ह्याला सर्वोच्च प्राधान्य द्यावे. सौर्यऊर्जा व कृत्रिम बुद्धिमत्तेच्या पर्यायांचे योग्य नियोजन करून शेती, उद्योग व शिक्षण कार्यक्षम बनवणे हीच नवीन आधुनिक भारताची संकल्पना, हाच आपला ईकीगाय!

दीपक वि. भोईर प्राध्यापक

