



MOULDING ENGINEERS WHO CAN BUILD THE NATION

DTE CODE 3184

# *Fr. Conceicao Rodrigues College of Engineering*

AFFILIATED TO UNIVERSITY OF MUMBAI  
APPROVED BY AICTE, NEW DELHI

## PROSPECTUS 2021



A CHRISTIAN  
RELIGIOUS  
MINORITY  
INSTITUTE



## ACCREDITATION AND RANKING



Accredited by National Assessment and Accreditation Council

Three UG Programs Computer Engineering, Electronics Engineering and Production Engineering Accredited by National Board of Accreditation (NBA-India)



Ranked in the top 300 Engineering Colleges in the country by National Institutional Ranking Framework - 2020

Ranked 44th among the Private Engineering Institutes in India by Education World Higher Education Rankings - 2021



CAREERS360

AAA+ by the Careers360 ranking-2021



OUR VISIONARY FOUNDER



**Rev. Fr. Conceicao Rodrigues** was a remarkable visionary and freedom fighter, bursting with boundless energy and a steadfast determination to achieve his goals. The Agnel Fathers (Trustees of St. Francis Xavier Pilar) believed that their contribution to the process of nation building would be through the spread of facilities for Technical Education, thanks to the inspiration of this inspirational founder.

Despite the fact that Fr. Rodrigues did not live long enough to see his ambition of establishing a College of Engineering in Bandra come true, the clearance for this college had just been secured days before his untimely death in 1984. As a fitting homage to his passionate belief in highly qualified and completely trained engineers and technicians in the service of the nation, the College proudly carries his name today. The visionary principles on which the institution was founded have been nurtured and fostered in succeeding years and continue to guide the functioning of the college.

*My Country, my people that's all it matters*

- Rev. Fr. C.Rodrigues

## *From the Director's Desk*



*Rev. Fr. Valerian D'Souza*

**T**he current state of global education is rapidly changing. Science and technology are progressing in order to deliver world-class education and sophisticated lives to people everywhere. We are at a pivotal juncture in history, and we must recognize the challenges that lie ahead. With technical education at a crossroads, we must work to prepare tomorrow's technocrats with the knowledge, skills, and character necessary to solve developing global economic and societal concerns.

Technical education has become increasingly dynamic as technology, business, and social demands have changed. The world is becoming increasingly integrated as a result of privatisation and globalisation. Today's engineer's job is more than just managing his or her product or service and market; he or she also has a wider obligation to adopt the role of organisational leader in such situations, which is both tough and gratifying. In today's environment, such leaders must acquire specialised knowledge, abilities, and attitudes in order to gain a competitive advantage.

In this context, we at CRCE build our teaching learning pedagogy based on the premise that today's engineers must develop an analytical mindset in order to comprehend and apply complicated technical solutions. Our admissions, results, internships and placements track records speak volumes about our credibility in the global market. At all levels, we ensure high-quality technical education. I warmly invite you to explore our website to learn more about the Institute and its activities.





**Dr. Srija Unnikrishnan**

## From the Principal's Desk

*“The story of civilization is, in a sense, the story of engineering - that long and arduous struggle to make the forces of nature work for man's good.”*

**- Lyon Sprague DeCamp**

The past several months have seen innovative engineering solutions helping the world cope up with Covid 19 – from apps and platforms for e-learning, video conferencing, monitoring the pandemic spread in the neighborhood, vaccination record keeping and e-consultation with specialist doctors to sanitizer robots, sanitizer tunnels, low cost and portable ventilators, hands free door handles and washbasins..... In the post Covid era, we can expect a sea change in the industrial, commercial and personal spheres through adoption of digital technologies like Artificial Intelligence, Machine Learning, Internet Of Things, Augmented Reality, Cloud Computing etc. across verticals – medical diagnosis and healthcare, transportation, manufacturing, service sector, media and e-commerce, education, agriculture, military, finance, law and other utilities. This necessitates the engineers of tomorrow to be problem solvers and game changers with a passion to shape the future.

At Fr. Conceicao Rodrigues College of Engineering (CRCE), we believe that the power of Engineering coupled with avenues for holistic development, will enable our students to graduate as competent engineers capable of solving global and societal issues with sustainable solutions. To this end, it is necessary that they develop the expertise to be dynamic and evolve with respect to the sudden changes in technological, corporate and social scenarios. Accordingly, we have designed our teaching-learning pedagogy to inculcate in our students, problem solving skills, lifelong learning aptitude and the spirit of team work. A practical learning approach makes our students capable of making informed decisions in tough industry environments as well as challenging personal situations. Regular updation of academic amenities, Campus Connect Programmes with industry, Project Based and Experiential learning, Creation of Innovation ecosystem on campus and Extended education through co-curricular and extra-curricular programs are some of the best practices in place.

Our students have consistently performed well in academics, project competitions, sports, debates, cultural and social events/contests. Majority of our students get placed on campus, in prestigious companies or get admissions for higher studies in reputed universities. The inter-disciplinary project groups, design and fabricate their working models, as per the specified problem statements and participate in highly competitive national / international level engineering competitions like Smart India Hackathon, SAE Aero-design, ROBOCON, SAE BAJA, Formula Bharat, SAE Supra, MHRD's e-yantra competition etc. They have won laurels for the institute and keep their juniors inspired to aim higher. Technical know-how, leadership capabilities and organization skills of students are enhanced through the activities of the Student Council and CRCE student chapters of professional societies which include IIC, CSI, IEEE, WIE, ASME, SAE, Mozilla campus club, ACM, IIIE, Codelabs, Google Developer's club, NSS, Rotract, TEDx and E-cell.

CRCE lives up to the institute vision statement of 'Moulding Engineers Who Can Build The Nation', in tune with the growing aspirations and expectations of students as well as the changing profiles of industries and businesses across the world. Our alumni hold distinguished positions across the globe.

I extend a warm welcome to the 2021 fresher's batch, to CRCE and the Agnel family.



### Moulding Engineers Who Can Build The Nation

CRCE will be a Centre-of-Excellence in Engineering Education, molding engineers with state-of-the art technologies, innovative skills and human values matching with the growing expectations of the corporate and the society and thus play an effective role in nation building.



- ❖ Create an excellent scholastic ambience for students and faculty, by providing facilities with state-of-the-art technologies and continuously updating based on the needs of user organization.
- ❖ Attract, develop and retain teaching faculty of academic excellence, dedication and commitment.
- ❖ Design the academic administration system to ensure effective teaching - learning process facilitating participation from students and teachers and enabling continuous improvement through evaluation and feedback.
- ❖ Provide avenues for holistic development of students to become competent engineers with interpersonal skills, leadership qualities and social concern.
- ❖ Maintain economic discipline; continuously work for optimal utilization of resources and resource generation through consultancy to make quality education affordable. Everybody in the organization to be a role model for integrity, upholding ethical values, fairness and transparency in all dealings.



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## WHY Fr. CRCE?

- ❖ Experienced and Well-qualified Faculty.
- ❖ State-of-the-art Infrastructure.
- ❖ Outstanding Academic Results.
- ❖ Excellent Placements.
- ❖ Strong Alumni Network.
- ❖ Personality Development & Soft skill Training.
- ❖ Emphasis on Moral & Ethical Values.
- ❖ Discipline.
- ❖ Project Based Learning.
- ❖ Avenues for Internships.
- ❖ Support & Guidance for national/international level technical competitions.
- ❖ MoUs with Industries.
- ❖ Equal emphasis on sports, Cultural, Co-curricular & Extracurricular activities.
- ❖ Industrial & Educational Visits.
- ❖ Regular Seminars & Expert lectures by eminent personalities/industrialists.
- ❖ On-campus & Virtual classrooms and laboratories.
- ❖ Scholarships & Financial Assistance.
- ❖ Located at picturesque Bandstand overlooking the Arabian Sea.



## THE GENESIS

Fr. Agnel Ashram was founded on June 9, 1957 in Bandra, Mumbai on a piece of land known as “Land's End” with the aim of fostering, through Educational and Charitable Institutions, love and understanding amongst the people of various communities of India and contributing towards India's development and self-reliance. It was named after Ven. Fr. Agnelo D'Souza, a Goan Priest who died in Odour of Sanctity in 1927.



**Rev. Fr. Conceicao Rodrigues with former Prime Minister Pandit Jawaharlal Nehru**



**Smt. Indira Gandhi inaugurating the Agnel Technical Complex**

Fr. Conceicao Rodrigues College of Engineering (CRCE) was established in 1984 as part of Fr. Agnel Technical Complex at Bandra, Mumbai by the Society of St. Francis Xavier Pilar, a public and charitable trust. The College of Engineering is named after its founder, Rev. Fr. Conceicao Rodrigues. Under the inspiration of this charismatic founder, the Agnel Fathers (the trustees of St. Francis Xavier Pilar) realized that their contribution to the process of nation building would be through technical education and accordingly are providing technical education facilities through the establishment of Technical Education complexes in different parts of the country – Bandra (Mumbai), Vashi (Navi Mumbai), Verna (Goa), New Delhi, Noida, Pune, and Ambernath (Thane). Each unit imparts technical education at various levels - ITI, Diploma and Degree. Fr. Agnel Ashram at Bandra, Mumbai, started with Fr. Agnel Bal Bhavan, an Orphanage and a Technical School in Carpentry in 1957. It has grown today into a well reputed Technical Education Complex. Fr. CRCE came into existence with only one course in Production Engineering with an intake capacity of 60 students. As on date, the Institute has four Undergraduate Programmes, and one Post-graduate Programme and two Ph.D. Programmes, with a total strength of over 1200 students.



## GOVERNING COUNCIL



**Rev. Fr. S. Almeida**  
Chairman  
Society of St. Xavier, Pillar



**Rev. Fr. Valerian D'Souza**  
Director, Agnel Technical  
Education Complex, Bandra



**Dr. Srija Unnikrishnan**  
Principal &  
Member Secretary



**Mr. George Menezes**  
Chief Operating Officer  
Godrej and Boyce Ltd



**Mr. Pascal Lopes**  
Vice President  
J.P. Morgan



**Dr. S.M. Khot**  
Principal  
Fr. CRIT, Vashi



**Dr. P.A. Mahanwar**  
Professor - Polymer  
Technology, ICT



**Dr. Ajeet Singh**  
AICTE Representative  
WRO, AICTE



**Dr. Abhay Wagh**  
Director  
DTE, Maharashtra



**Dr. R. Sessa Iyer**  
Professor  
SP JIMR, Mumbai



**Mr. P.N. Jumle**  
Director,  
Board of Apprenticeship  
Western Region



**Dr. Sunil Surve**  
Dean - Academics  
Fr. CRCE, Bandra



**Prof. Dileep C.C.**  
Assistant Professor  
Fr. CRCE, Bandra





## COURSES OFFERED

- ❖ **B.E. Computer Engineering**
- ❖ **B.E. Electronics and Computer Science**
- ❖ **B.E. Mechanical Engineering**
- ❖ **B.E. Artificial Intelligence & Data Science**
- ❖ **M.E. Mechanical Engineering  
(Specialization in CAD/CAM & Robotics)**
- ❖ **Ph.D. Mechanical Engineering**
- ❖ **Ph.D. Electronics Engineering**

## CENTRAL RESOURCES

### Central Library and Internet Centre

The library has around 32,000 volumes, with the facility to search books 24x7 through WebOPAC. Apart from Print journals and Periodicals, access to Full-text E-journals of IEL online (IEEE) and ASME (American Society of Mechanical Engineers) are available on line, within the campus. Additionally, through 'KNIMBUS' subscription, e-books, e-journals, e-articles, videos and conference proceedings can be accessed.

The Library has an Institutional Membership with National Digital Library and Central library of IIT Bombay. Book-Bank facility is extended to all students. There is a Multimedia and Internet Centre attached to the library.



**Central Library**



**Internet Centre & Digital Library**



**Central Auditorium - Samvaad**



**Central Computing Facility**



**Central work shop**



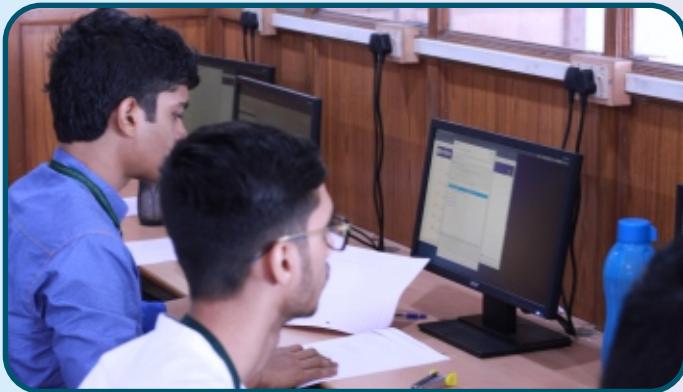
**Centralized Server systems**



## DEPARTMENT OF COMPUTER ENGINEERING

The Department was established in the year 1991. The intake capacity of the department has been increased to 120 from the academic year 2019-20. The Department has competent, veteran and devoted faculty to provide industry-driven education to the students. The Department Infrastructure fulfills the requirements of academics and also supports research projects and learning skills to face the challenges of the industry. The Computer Engineering Department effectively prepares students to pursue leadership, technical and management positions in a variety of industries. The department has fetched many research grants. The department is collaborating with Bennett University for AI and Deep learning project.

The department has a strong alumni network which further enriches the program by their involvement in departmental activities and guidance to students.

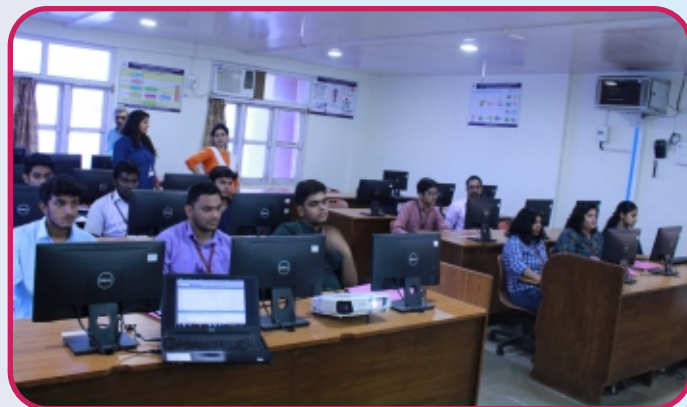


- ❖ Ms. Nicole Mascarenhas, TE Computer, secured first prize in the Maharashtra Health Hackathon, for the track 'Medical Devices for improving Neonatal care', April 2021.
- ❖ Project 'Solar Powered smart bag' has reached the finals of National Innovation Contest, by MHRD, Government of India.
- ❖ Third Year Computer Engineering student, Kevlyn Kadamala won the prize for Best Quantum Hack and Best use of Google Cloud in Hackathon MLH - MackHacks 2021.
- ❖ Final year students, Simran Gadkari, Jnnell Mathians, Merlin Payapilly, won the award Best paper of the session in 3rd IEEE International Conference on emerging smart computing and informatics, 5-7, March 2021.

## DEPARTMENT OF ELECTRONICS & COMPUTER SCIENCE

The Department of Electronics Engineering was established in 1987. Based on the current market demand, the course has been refined with an optimum mix of subjects in Electronics and Computer Science. Core emphasis is provided on Embedded Systems, Robotics and Automation, Computer Architecture, Programming & Networking. Over the years, strict adherence to quality norms in teaching-learning and evaluation has always been the strength of the department.

After a comprehensive study of the industry requirements as well as technological trends, the syllabus for the course Electronics and Computer Science has been framed to include courses which build conceptual understanding of basics of Electronics as well as Computer Science. Additionally, advanced courses have been added to cover niche areas like Artificial intelligence and Machine Learning, Data Sciences, Mobile communication, VLSI, IOT etc. A practical oriented approach will be followed to make students proficient in the competitive industry environment as well as prepare them for higher education.



- ❖ Student Project 'Flood monitoring, alerting and prevention system' has reached the finals of the e-yantra finals competition to be held at IIT Bombay.
- ❖ Student Project 'Low cost Portable Ventilator' shortlisted for AICTE- Chatra Vishwakarma Award.
- ❖ Robocon Team participated in Brain -Wreck -A national Competition. The teams have bagged the first place as National Winners and have been awarded the prize for “Best Circuit Design”.



## DEPARTMENT OF MECHANICAL ENGINEERING

With the advantage of a vast experience in imparting training in Manufacturing Engineering and close association with the related industries, B.E. course in Mechanical Engineering was started in the year 2019 with an intake of 60.

To promote research culture, the Department had started PG course in M.E. (Mechanical Engineering) with specialization in CAD/CAM and Robotics and PhD course in Mechanical Engineering.

Full-fledged workshops and State-of-the-Art laboratories are available in the areas of Machining, Sheet metal working, Welding, CAD/CAM, CNC Production grade machines, Automation, Modeling, Simulation and Materials and Industrial Operations Management. Further expansion in infrastructure and research facilities, as per the revised curriculum and current trends are planned for the near future.



- ❖ Prof. Hitendra Vaishnav along with others received Australian Govt. Innovation Patent for their invention – Home Aquarium Monitoring System.
- ❖ Best Entrepreneurship award from Dainik Bhaskar – Mr. Rohit Madke.
- ❖ Mr. Amit Dubey received internship offer from NRSC (National Remote Sensing Centre, Hyderabad), after securing first position in the 'Ideate' competition organized by NRSC-ISRO.

## DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE

Globalization, fast-paced growth of data and technological advancement has created a lot of exciting career opportunities. Data Science and Artificial Intelligence are the two most important technologies in the world today. While Data Science makes use of Artificial Intelligence in its operations, modeled after the natural intelligence possessed by humans, Artificial Intelligence is the algorithmic intelligence that is possessed by the machines to perform various autonomous actions. Data Science is a multi-disciplinary field that has conquered industries around the world. This is the result of the contribution by the massive explosion in data and the growing need of the industries to rely on data to create better products. We have become part of a data-driven society and data has become a necessity for industries to make informed decisions.

Fr.CRCE offers BE program in Artificial Intelligence and Data science with the main objective of setting up students' career in the most high-demand industry of the twenty-first century. Department has an experienced pool of faculty and ideal computing lab facilities to excel in this domain. Major Subjects covered in the Curriculum: Principles of AI, Machine learning, Deep learning, Natural language processing, Statistics, Human computer interaction, Data and Information security.



- ❖ Two teams won the first position at the Smart India Hackathon 2020 for problem statements from Power ministry and CISCO.
- ❖ Third Year students - Bilonikar Shreya, Mendonca Carol, Phadakale Divita Won 3rd Prize in Ingress Hackathon National Level (Team iCode) on February 13-14, 2021.
- ❖ Third Year students, Purohit Suryansh, Reddy Ganesh, Shetty Sanath Krishna and Tomar Ayush Devendra were declared the winners of the Beta 3.0 National Level Hackathon Winner (Code Asylum) held by NIT Bhopal.



## Co-Curricular & Extra-Curricular Activities

With the objective of holistic development, Fr. CRCE has a rich culture that nurtures various skills of students by providing them with a wide variety of Co-curricular and Extra-curricular activities. The Student council and the various Student-chapters seek to foster the intellectual and personal development of students while building a respectful, diverse and inclusive community. Achieving this goal requires an ongoing partnership between students, faculty and staff. Every council works towards the common mission of providing our students the opportunities they need for success in their academic and professional life.

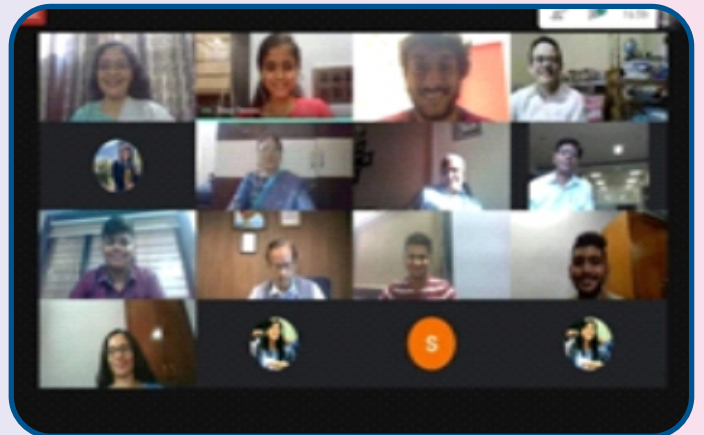
## Institution's Innovation Council (IIC)

The Ministry of Human Resource Development (MHRD), Government of India has established 'MHRD's Innovation Cell (MIC)' to systematically foster the culture of Innovation amongst all Higher Education Institutions (HEIs). The primary mandate of MIC is to encourage, inspire and nurture young students by supporting them to work with new ideas and transform them into prototypes. MIC has envisioned encouraging creation of 'Institution's Innovation Council (IICs)' across selected HEIs. The Fr. CRCE IIC is an extremely active chapter who organizes Webinars, Leadership talks, Competitions, etc in line with this vision.



## Smart India Hackathon - SIH2020

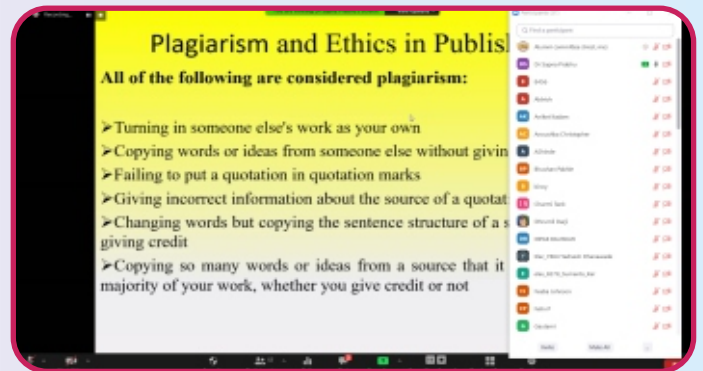
Team CROSS Coders declared Winner (1st Rank) of SIH 2020. The team got selected for an interaction with Dr. Abhay Jere, the Chief Innovation Officer of MHRD, Govt. of India.





## IEEE (Institute of Electrical and Electronic Engineers) - CRCE

This Student chapter aims to provide an interactive platform for students to develop their professional and technical abilities. Its motive is to spread awareness regarding the upcoming developments in field of technology and develop students' interest in these new advancements in technology. Like the parent organization, IEEE-CRCE strives to advance Humanity through Technology. It intends to create a platform through which IEEE members can grow as both engineers and individuals.



## SAE (Society of Automotive Engineers) - CRCE

SAE-CRCE is the student chapter of SAE-INDIA. SAE project teams participate every year and win commendable positions in National / International competitions like SAE Baja at Indore, SAE Aero-design at Texas, USA and SAE Supra. Workshops, seminars and industrial visits in association with some top automobile companies like Voltas, Toyota, Tata Motors, etc are regularly organized by the chapter.

## IIIE (The Indian Institution of Industrial Engineering) - CRCE

This chapter aims to bridge the gap between industry and academia for Mechanical and Production engineering students through expert workshops and industrial visits.

## Team ABADHA

Team ABADHA fabricates All Terrain Vehicle and Participates in the National Level competitions like SAE BAJA. In 2021 they participated in Virtual E-BAJA SAE INDIA 2021 competition. They are at 17th position in the all India ranking.



## Team CRCE Formula Racing

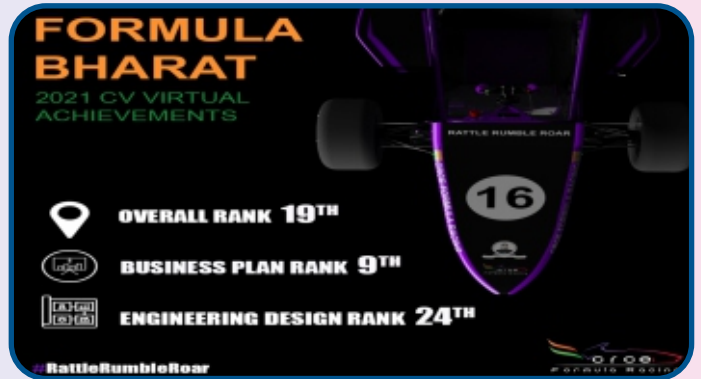
Fabricated Formula Racing Car and participated in Formula Bharat 2021 competition.

Their ranking for Formula Bharat 2021 is as follows

Overall rank - 19th

Business plan rank - 9th

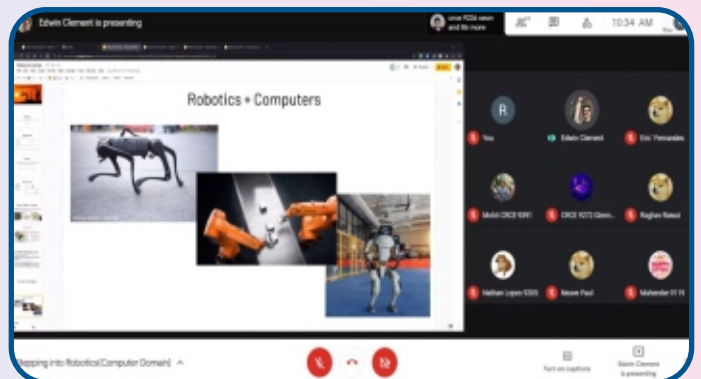
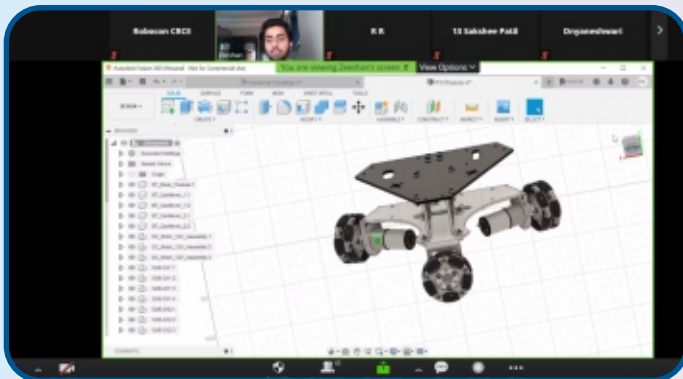
Engineering design rank - 24th



## Team Robocon:

The Team is preparing to participate in Flipkart's Flagship Engineering Campus Challenge 2021 and Robocon-2022.

Team Robocon CRCE, participated in the national-level Brainwreck competition, organized by Invictus Robotics Club of MIT Academy of Engineering in the year 2020-2021 and emerged as national winners with All India Rank 1. Also they received the Best Circuit Design Award among the 90 teams that participated in this event.





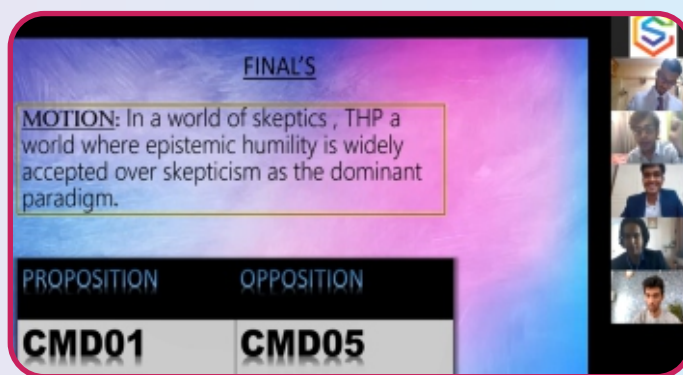
## Team Vayushastra

Team Vayushastra Ranked 14th Globally in SAE-Aero 2021 competition in the Advanced Class Category.

## Fr. Conceicao Rodrigues Memorial Debate (CRMD-2020)

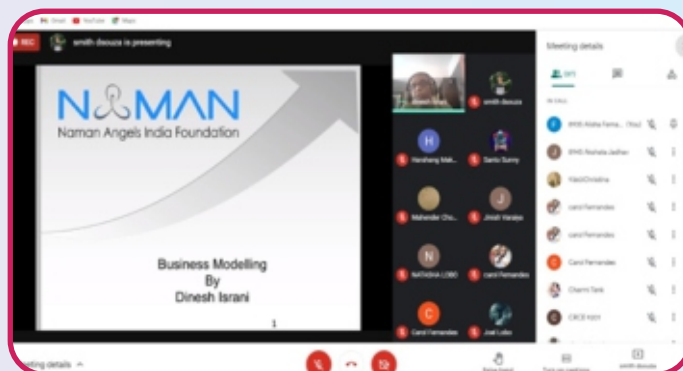
The Inter-collegiate Fr. Conceicao Rodrigues Memorial Debate is a much anticipated annual event among the literary circles of the city. With nineteen successful years of completion, the two-day National level Debate aims to provide a forum for today's youth to articulate views and engage in a dialogue on myriad affairs that affect all our lives, directly or otherwise. The quality of thoughts and ideas expressed by students over the past debates has been lauded by all those who have witnessed the event.

Fr. Conceicao Rodrigues Memorial Debate (CRMD) was held 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”*



## ENTREPRENEURSHIP CELL

The mission of E-cell-CRCE is to germinate the idea of entrepreneurship among students and equip them to face the entrepreneurial challenges of tomorrow. The cell facilitates strong relationship between present students, Alumni and experts from various business verticals, enabling students to develop a dynamic mindset before starting their entrepreneurial voyage. Thus, the cell promotes the entrepreneurial ecosystem of the Institute.



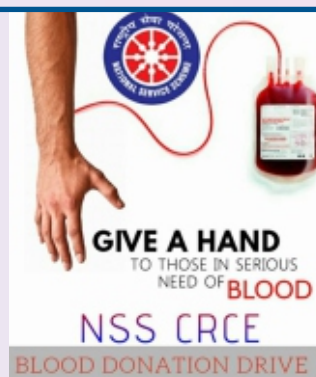


## National Service Scheme (NSS)

Fr.CRCE - NSS council is registered under University of Mumbai. The Motto of National Service Scheme (NSS) is “Not Me but You”. Its service goal also calls for an educational approach in solving community problems. The purpose is to help the community to recognize its needs and to assist in the mobilization of resources to meet their needs. This helps students to understand concepts like Community, social structure, power conflict, etc. occurring in real life situations. Some of the NSS activities are Blood Donation Drive, clothes Collection Drive, Tree-plantation drive, woman Safety, Visit to Sneha-sadan, Beach Clean-up Drive, Crowd Management etc.



**Self Defense Workshop**



**Blood Donation Drive**

## The Rotaract Club

The Rotaract Club of Fr. CRCE is an organization that works for a social cause to make lives better and promote goodwill and peace in the society. Rotaract Club brings together young adults to exchange ideas with leaders in the community, develop entrepreneurship and professional skills, and have fun through giving back to the society. In communities worldwide, Rotary and Rotaract members work side by side to take action through service. Rotary club sponsors & offers guidance and support while working with our club as partners in service.

Despite the limitations and extreme hardships caused by the global pandemic, Rotaract Club of Fr. CRCE has still managed to organize yet another edition of its flagship event The Heart and Sole Run 4, which took place on the 13th and 14th of March, 2021. The run was organized in association with two NGO's Community Outreach Program and Fr. Agnel Ashram.



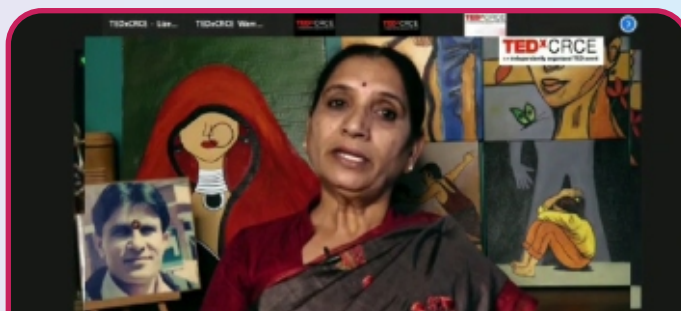
## TEDx-CRCE

Cumulating the spirit of TED's mission, "Ideas Worth Spreading" and our college motto "Moulding Engineers who can Build the Nation", TEDx-CRCE strives to recreate the unique experience found at TED, where the world's leading thinkers and doers congregate to share what they are most passionate about. The speakers share their belief in their ideas which allow them to move the masses. TEDx-CRCE aims to provide a platform where the smartest thinkers, greatest visionaries, and most fascinating teachers are inspired and will have the opportunity to inspire others.

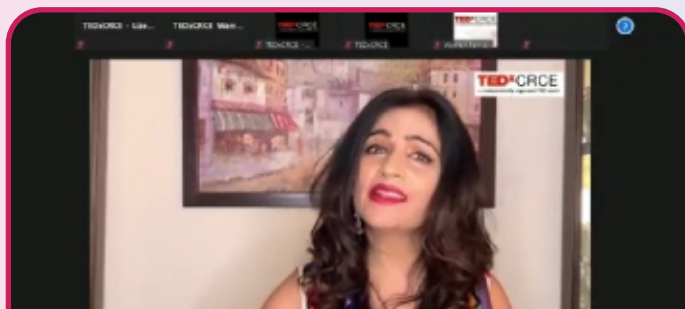
On the 7th of November 2020, TEDxCRCE hosted its 5th version of TEDx Talks at Fr. Conceicao Rodrigues College of Engineering. The event was broadcasted live on the online platform due to the ongoing pandemic. The theme for the year was "Shifting Gears."



**Mrs. Apurva Purohit**



**Mrs. Triveni Acharya**



**Mrs. Shibani Kashyap**



**Mr. D.R. Karthikeyan IPS**

## Cultural Festival

EUPHORIA is the much-anticipated cultural extravaganza of CRCE that spans over three days. The college gets immersed in fun, frolic and frenzy during these EUPHORIC days. The aim is to provide a common platform for the CRCE students to showcase their talents in various fields like literature, performing arts, personality, gaming and many more. Every year, EUPHORIA leaves, sweet memories among the students to cherish forever.

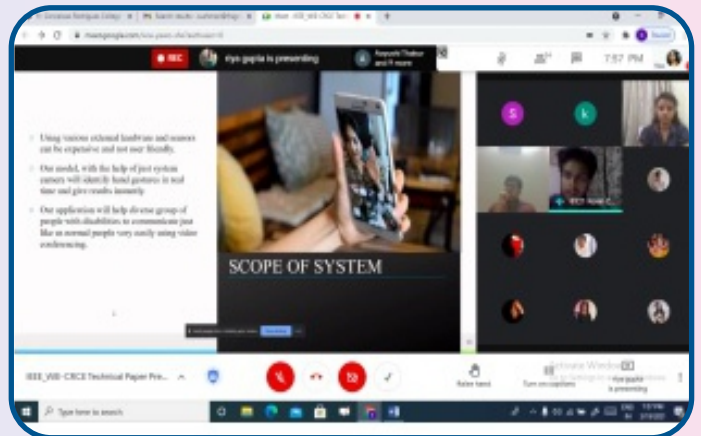
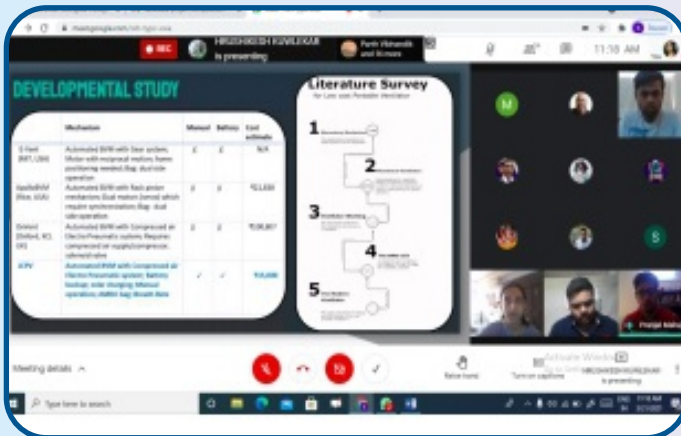






## Technical Festival

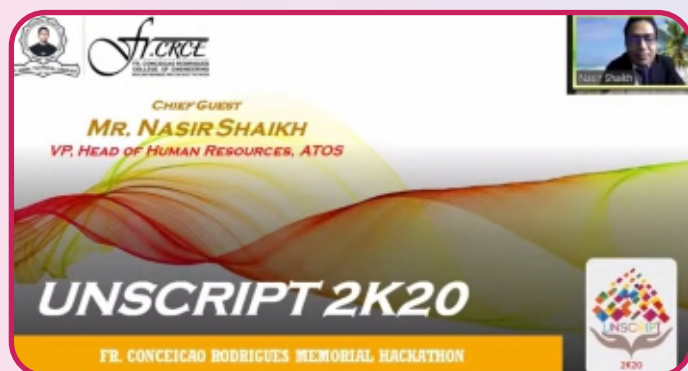
CResCEndo is the Annual Inter-collegiate Technical Festival of Fr. Conceicao Rodrigues College of Engineering, Bandra. It is a platform for students to explore their technical skills and originality through innovative events spread over two days. Crescendo was held online from the 13th to 21st of March 2021.





## Inter-collegiate Hackathon (UNSCRIPT-2020)

Fr. Conceicao Rodrigues Memorial Hackathon, 'UNSCRIPT' is a free-for-all flagship 24 hours event which is organized every year in the month of March. The event gives student developers an opportunity to come together, work collaboratively, tackle problems and compete. It also allows participants to connect with Industry personnel and faculty mentors. The event is organized with a vision to encourage young students to contribute towards solving real life problems with the aid of current technologies. Winners are awarded cash prizes and internship opportunities. UNSCRIPT 2K20 was held online from 21st to 22nd November 2020.



## PLACEMENT

The Training & Placement Office (TPO), also called the TPO cell, caters to the industrial training needs of the students through internships, skilled courses and provides placement services to students through on-campus, off-campus & various pooled campus interviews. Many multi-national and several well-known Indian conglomerates regularly visit our campus every year in quest for their requirement of high caliber human resources.

The TPO cell prepares students for the interviews and prospective workplaces. Careful and systematic preparation is initiated and sustained for this purpose. The TPO cell takes pride in offering student services on a wide range of issues such as employment, career planning, opportunities available, etc. thereby preparing students effectively for their career. As a result of the highly focused and continuous efforts of the TPO cell, every year almost all eligible students are placed. Many students also fetch multiple placement offers.









Our placement record is a testimony to the faith that various companies have in our institute with the belief that we are living up to our mission of 'MOULDING ENGINEERS WHO CAN BUILD THE NATION'.

Every year, the institute continues to enjoy confidence of the corporate world as substantiated from the remarkable placement season for the academic year 2020– 2021 in spite of the pandemic. The unique student-driven culture of the institute, the robust corporate engagement model due to the efforts of the training & placement cell & planned academic rigor have consistently resulted in the increase in academic levels of the students. Here the institute believes in holistic development of each & every student; it lays a strong emphasis on the aspect of corporate training & placements for each & every graduating batch of its students. Students get opportunities to participate for campus placement selection in various companies offering technical & non-technical profiles; across different industry roles in multi-faceted domains.

During the academic year 2020-21, more than 70 companies visited and 290 offers rolled out.

90% of eligible students are placed despite the prevailing COVID-19 pandemic situation.

The average CTC offered is INR 5.21 LPA and the highest CTC offer is 16.5 LPA.

More than 12% students have opted for higher studies after graduating in 2020-21.

More than 268 students are doing internships with reputed organizations /industries during the Academic year.

Some of the foreign universities and higher education institutes in India where our students get admitted for PG courses in Technology / Management are:



## HIGHER STUDIES







## OUR PRIDE - OUR ALUMNI

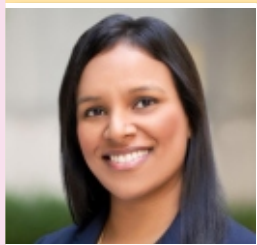


### Ashray Nadkarni

**Branch: Computer Engineering**

**Ashray is Director in Ernst & Young's Risk Consulting.**

My biggest take away from my time in CRCE was an appreciation of how teams operate and thrive. Whether it was on the football field at Supari Talao, or during Euphoria at the Shanmukhananda auditorium, or during group projects with the classmates, there was always a keen sense to succeed as part of the unit you were part of. This sense of belonging and of teamwork has been the key to successes in my work-life since college.



### Elizabeth Mathew

**Branch: Electronics Engineering**

**Interim Head of Strategic Sales, Americas at ConsenSys**

Columbia Business School ConsenSys, New York, United States

I had the best experience at CRCE, made long lasting friendships, and the program gave me so many opportunities that set me up for success later in life. Academically rigorous and forward-thinking curriculum. Supportive staff and close-knit community. A ton of technical and non-technical clubs and associations. My time at CRCE was truly character defining.



### Tanmay Kale

**Branch: Information Technology**

**Software QA Engineer at Tesla**

The time I spend at Fr. CRCE is the most memorable time for me. Be it the location the college was the surrounding around the College and the college itself was so good. All the events that we had were so much fun and memorable. I really had a good time at CRCE.



### Amit Srivastava

**Branch: Production Engineering**

**Manager at Deloitte, New York City**

The engineering years that I spend in CRCE is still etched in my heart. I reminisce how good those days were for me, be it the late night working on projects for my team or the participation in various sports events and competing with other branches for the trophy or the unity we had as a branch. Memories of euphoria and various other events were we participated with great enthusiasm are still afresh in my mind. The teacher's were very supportive in academics as well as in research projects. I genuinely had a great time in CRCE.



### Venkatesh Prasad

**Branch: Computer Engineering**

**Manager, Strategy, Marketing at Aptean India Pvt Ltd, Bangalore**

I had a really good time at CRCE. The faculty members are very supportive and they guided me throughout the course. The supporting staffs were extremely polite and cooperative during my time in college. Those were the most enjoyable time I had in my student life.

## STUDENT'S WALL



### **Tanay Kshirsagar (T.E Mechanical Engineering)**

Fr. CRCE offers a variety of opportunities both in and outside of the classroom, for a student's personal and professional growth. It focuses on the practical way of learning by promoting students to be involved in various technical and non-technical projects. Apart from academics, the cultural and sports events held throughout the year combined with the scenic surroundings of the college, create a relaxing environment for every student.



### **Aayushi Thakur (T.E Computer Engineering)**

After the hectic, tiring days of entrance exams and admission process, CRCE came as a breath of fresh air. The assumptions and myths of endless assignments and no fun were totally debunked when I entered this college. From the faculty to guide us at every step of learning to the great environment created by the College to help us socialize, it helped me find myself and recognize my strengths. The professors and staff at CRCE have always made sure to go beyond the curriculum and helped us find opportunities to explore the challenges in the real world. No matter where i will be, these 4 years will always be something I would want to come back to.



### **Andrea Pinto (T.E Electronics & Computer Science)**

Words can't do justice to the experiences, opportunities and holistic development provide by CRCE. The college has a well equipped faculty, always ready to help us. They encourage and push us towards achieving all round development, instead of just academics. It definitely stands out from the "typical" engineering colleges, thanks to its cultural and technical events. And of course its calm and serene view has no competition!



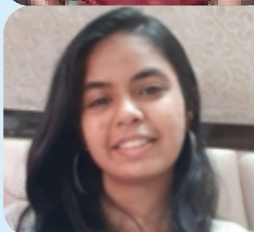
### **Amogh Manikoth (T.E Production Engineering)**

Having completed my junior college integrated from my classes, i never had a real experience of what college life was about. After joining Fr. CRCE and having my first college experience, i was amazed by the amenities provided by the college which had an amazing blend of practical as well as theoretical knowledge which boosted the learning potential and made stuff easier to learn. Along with this the extracurricular activities hosted in the college really do liven things up from time to time. Hands down these are going to be the most memorable 4 years of my life.



### **Niraj Jain (B.E Production Engineering)**

Blessed with the most pleasant and breathtaking views, Fr. Conceicao Rodrigues College of Engineering is one of the top 10 Engineering Colleges in Mumbai! I got fortunate enough to be a part of this esteemed college. One of the many things that I admire about our college is that it provides a varied range of Bachelor Programs which goes from the Production, Computers and the newly added, Electronics and Computer Science, Artificial Intelligence and Data Science. CRCE also provides a chance to continue with the master's and Ph.D. programmes. It's motto of Moulding Engineers who can build the Nation stands true as CRCE is not only best in academics but also promotes overall extracurricular and co curricular activities, practical based learning, practical real-life projects, social works. The journey of four years in this college is not just any ordinary journey but the best time one could ask for.



### **Felin Patel (B.E Electronics Engineering)**

Fr. CRCE's campus is located at a beautiful and serene spot in Bandra. It provides a perfect blend of opportunities and a conducive environment for student's all round growth. The faculty's commendable expertise and experience into the field help engage students to apply engineering knowledge into real life scenarios as well as their support to participate in competitions instills confidence to perform ahead better technically. Along with this, the sports and cultural fests celebrated largely with enthusiasm maintain an ideal balance.



### **Ninad Shetty (B.E Information Technology)**

Fr. CRCE is not just a college but a learning experience. This college has one of the best faculties with years of experience and expertise, who will help you throughout the four year journey you will have here. The college gives you an opportunity to grow in different areas, whether it be academic oriented or extracurricular activities.





## ASSOCIATIONS & FORUMS

- ✦ Institutional member of ISTE (Indian Society for Technical Education)
- ✦ Institutional member of CSI (Computer Society of India)
- ✦ Student Chapter of IEEE (Institute of Electrical & Electronics Engineers)
- ✦ Student Chapter of WIE (Women in engineering-IEEE)
- ✦ Student Chapter of SAE (Society of Automotive Engineers)
- ✦ Student Chapter of ASME (American Society of Mechanical Engineers)
- ✦ Student Chapter – CodeLabs CRCE, powered by Code Hacker & Code Rank.
- ✦ Mozilla Campus Club to encourage open source technologies and promote web development skills
- ✦ Association with MHRD initiated e-Yantra project for the development of Robotics & Embedded systems
- ✦ Academic Alliance with Microsoft for the usage of their product range
- ✦ Academic Partnership with EC Council, USA, the world's largest Military grade Certification body in Cyber security – Accredited by ANSI (American National Standards Institute)
- ✦ Student Chapter E-Cell associated with SED (Student Entrepreneurship Development)
- ✦ Student Chapters of TEDx, Rotract & NSS
- ✦ Association with Tata Consultancy Services as part of Academic Interface Program
- ✦ Association with IBM for IBM centre of Excellence and certification of faculty and students
- ✦ Academic alliance with EMC
- ✦ Association with L.D college of engineering, Ahmedabad – Academic partnership
- ✦ Association with Synergy Consultants Pvt. Ltd, for joint energy audit and energy consultancy
- ✦ Association with United Modeling and Simulations Pvt. Ltd, for joint consultancy and research.
- ✦ Association with Eduvance for centre of excellence in remote learning in Embedded systems
- ✦ Nodal Institute attached to Thapar University, Patiala for UK based Newton Bhaba funded innovative research in pedagogy.
- ✦ Association with University of Texas at El Paso for joint research and academic programs
- ✦ Association with Christiani Sharpline for student training and infrastructure development
- ✦ Association with VJTI under AICTE- Margadarshan scheme
- ✦ Institutional registration with National Digital Library (NDL)
- ✦ Local Chapter of NPTEL, funded by MHRD, Government of India
- ✦ Association with NVIDIA-Bennet research centre for Artificial Intelligence in the AI & deep Learning project as zonal partner.
- ✦ Associated with “Bigger than Life” an NGO through Rotract Club CRCE.
- ✦ MoU with Autobake Productions for BAJA SAE India 2021.
- ✦ MoU with Cloud Counselage for Internships.
- ✦ MoU with Internshala for Internships.
- ✦ MoU with Human Capital for Third Sector (HCTS) as part of their programme called 'KATALYST', with an objective to provide life skill enhancement, mentoring, technology support, financial incentive, internship assistance to girls from low income communities.
- ✦ MoU with Linux Professional Institute (Asia Pacific Region) for Academic & Training Partnership.
- ✦ MoU with Brillmax Pvt. Ltd. For Academic Collaboration.
- ✦ MoU with Conbuss Online Manufacturing Pvt. Ltd. For Academic Collaboration.
- ✦ MoU with BUDSTA Analytics & Insights Pvt. Ltd. for internship.



## ADMISSION DETAILS

The Admission process will be followed as per the rules prescribed by Admission Regulating Authority / DTE / Government of Maharashtra. Visit [www.mahacet.org](http://www.mahacet.org) website for Registration and Centralized Admission Process.

### INSTITUTE LEVEL SEATS:

The seats to be filled at the Institutional level will be notified in National /State Newspapers. Details can be obtained from the Institute's website [www.fragnel.edu.in](http://www.fragnel.edu.in).

### FEE STRUCTURE (2021-22)

The Fees for the Academic Year 2021-22 is as approved by the Fee Regulating Authority . The Fee structure will be updated on the website as soon as the same is approved by FRA. Visit Institute's website [www.fragnel.edu.in](http://www.fragnel.edu.in) for the updates.

For details pertaining to Fees structure, visit website [www.sssamiti.org](http://www.sssamiti.org)

Any additional fees as recommended by statutory bodies will be applicable.

The Fees can be paid through payment gateway /NEFT/RTGS /Pay Order / Demand Draft drawn on "Fr. Conceicao Rodrigues College of Engineering" payable at Mumbai. Visit Institute's website for details.

### Action against Ragging:

All candidates are hereby informed that ragging of any kind is not permitted. Ragging is an offense punishable by law and any form of ragging will be taken very seriously.

Strict disciplinary action will be taken against any one indulging in any form of ragging. If any candidate has any complaint of ragging or if any candidate is aware of others being ragged, it should be brought to the notice of the Management.

**Anti Ragging Committee** - <http://fragnel.edu.in/index.php/students/grievances/ars>

**Internal Complaints Committee** - <http://fragnel.edu.in/index.php/students/grievances/icc>

**Students Grievance Redressal Committee** - [http://fragnel.edu.in/images/crce/pdfs/7thApril2021/Students\\_grievance\\_redressal\\_policy.pdf](http://fragnel.edu.in/images/crce/pdfs/7thApril2021/Students_grievance_redressal_policy.pdf)

**Women Development Cell** - <http://fragnel.edu.in/index.php/students/grievances/wdc>

### Insurance:

Students are covered under 'Yuva Raksha' Group Insurance Scheme.

### Educational Loan:

The Institute encourages and facilitates Educational Loans from reputed banks under Vidyalakshmi Scheme of Govt. of India.

For further details please contact Office of the Registrar.

### Important Note:

Candidates & Parents please navigate through our website to learn more about the Institute and its activities - [www.fragnel.edu.in](http://www.fragnel.edu.in)



