

Best Practice 1

1. Special Employability Training and Dynamic Placement

2. Objectives of the Practice:

- To enhance employability of the student and prepare him/her to face competitive environment.
- To train the students in the fields of soft skills, communication skills, intrapersonal skills and preparing them to face interviews and get better placement.
- Involve the students' right from first year to final year to understand the importance of career building, industrial jobs and entrepreneurship.

3. The Context

Regular training & placement is imparted in the area of communication skill and aptitude to the students to make them employable. The college has encouraged students to pursue internships during the pandemic and acquire necessary problem-solving skills. The college has launched Alumni Portal to connect with the alumni and utilize support from them to get Internship opportunities and placements and guide them for higher studies abroad.

4. The Practice

The Professional Communication and Ethics Professors in the institute along with the academic syllabus have designed Practical approach to their teaching by considering the needs of the students required to fulfil the demands of corporate world. The program is well designed, which enables students to develop different soft skills like Communication Skills (Listening, Speaking, Reading and Writing), Interpersonal skills including Leadership, Team Work, Time Management, Negotiation and Decision making, Emotional Intelligence etc.

Activities like watching motivating Movie to analyse interpersonal skills, role plays, case-studies, group discussions, mock interviews etc. are also conducted for students in order to give them first-hand experience on recruitment techniques used by various renowned companies for recruitment purpose. Institute gives a chance to the students to learn beyond the classrooms by engaging with various people on different platforms. Various events give exposure to develop the personality of students in a way so that they learn presentation skills, convincing and marketing skills. Though it being pandemic, special efforts were taken to reach students online with the best possibilities.

The institute has established Placement cell with an objective to build strong brand presence among the industry by constantly interfacing and interacting with the stakeholders. The cell is involved in grooming the students for their bright career. The Training & Placement Office (TPO) motivates and prepares students for the interviews and prospective workplaces. Careful and

systematic preparation is initiated and sustained for this purpose. The TPO cell along with staff and student coordinators of each department takes pride in offering student services such as career planning, internships and employment thereby preparing bright Engineers for better future. 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 placements offers also known as Dream offer.

- Internship Policy

Students apply for Industry Internships at various organizations. Institute helps them in the identification of internships at reputed companies. Students do internships in the semester end. The number of students enrolling for Internships have increased over the years. Training and placement cell helps students in getting the internships through contacts. Internship fairs were organized by the cell regularly. In B.E Production Engineering course students do internships at various organizations for the period of 6 months.

5. Evidence of Success

- Output is assessed through placement records and student's feedback.
- Improved communication skills and confidence among the students.
- Student performance in On Campus and Off Campus placement has been enhanced.
- Student performance in technical skill and HR interview has been improved.
- Participation of students has increased.
- Improved students' entrepreneurship skills.
- Association with industries has increased.
- Many companies are our placement partners as of date.
- Multinational companies from other countries are also adding to our list.

6. Problems Encountered and Resources Required:

The academic year 2020-21, was a unique year. Classes happen at the comfort of home and so did the placements. A lot of companies conducted Virtual Interviews. Students had to adjust with the new normal and adapt fast with online mode. Students had to make arrangements like strong and stable internet connection, a well-functioning laptop with a web camera, an audible mic and microphone, a quiet corner in the house. Apart from physical barriers, students also suffered from psychological ones like lack of motivation and clarity. The college has appointed a counsellor for the wellbeing of students. Students were also assigned mentors so as to be guided and supported by them in difficult times.

Best Practice 2

1. Hands on Learning Approach

One of the remarkable best practices of Fr. Conceicao Rodrigues College of Engineering has been Hands on Learning Approach

2. Objectives of the Practice

The institute is dedicated in providing a comprehensive learning environment that goes beyond prescribed syllabus through various co-curricular activities and skill-based learning. The objectives and underlying principles are as follows:

- To provide immersive learning environment allowing students to gain knowledge by experience
- To get students engaged with subject matter thereby increasing retention
- To give opportunities to learners to be an active participant in learning process
- To enhance cognitive, creative and critical thinking skills
- To inculcate a sense of curiosity, team spirit and growth mindset amongst learners

3. The Context

With rapid development and active changes in field of science and technology, it has become pertinent to go beyond the standard curriculum and explore the latest advancements in field of engineering. Students are given opportunity and wide exposure to the dynamic practical world by enrolling themselves in various technical councils. Here, students get hands on learning experience by getting engaged in different projects, activities and events. The gap that exists in traditional education system is filled through additional design-based experiments, lab work and projects. Students inculcate not just technical skill but also soft skills in the process by working together in a team, communicating with others, following the deadline (time management), critical thinking, creative thinking, problem solving skills amongst many others. Thereby ameliorating their individuality and character. Student's interest, passion and curiosity for their subject is refined through such councils, as they sprout into active learners.

4. The Practice

The College believes in imparting learning through diverse methodology. In addition to attending regular classes and practicals, students are part of different technical and non-technical councils. They are encouraged to attend different events like Hackathon, Robotics, Project Competition, Automobile design and Manufacturing , Workshops, Guest Lectures by Industrial experts and eminent professors, , Industrial Visits etc.

The student chapters from our college are listed below:

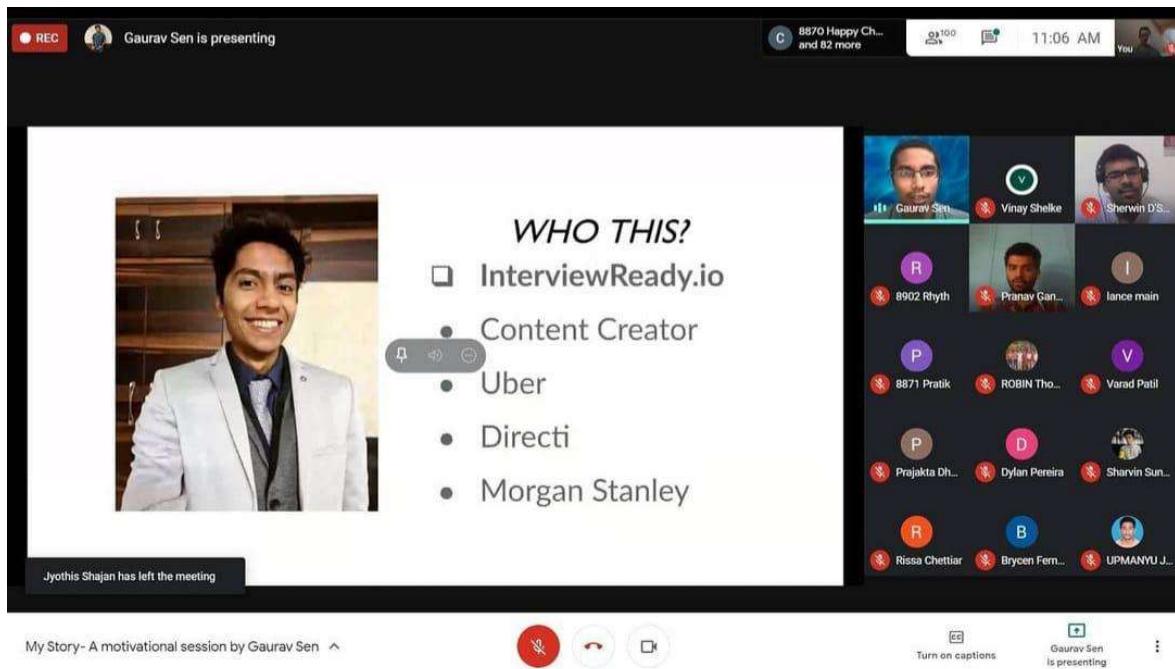
1. American Society of Mechanical Engineers (ASME)

2. Association of Computing Machinery (ACM CRCE)
3. Society of Manufacturing Engineers (SME CRCE)
4. Institute of Electrical and Electronics Engineering (IEEE CRCE)
5. CodeLabsCRCE
6. Team Abadha
7. Team Vaayushastra
8. CRCE Formula Racing (Team CFR)
9. Team Robocon

5. Evidence of Success

Association of Computing Machinery CRCE (ACM CRCE)

ACM CRCE conducted a motivational virtual session with Mr. Gaurav Sen, founder of InterviewReady, Ex. SDE Uber, Ex. Platform Engineer, Directi, Ex. IT Analyst, Morgan Stanley attended by 100 participants on 5th November 2020.



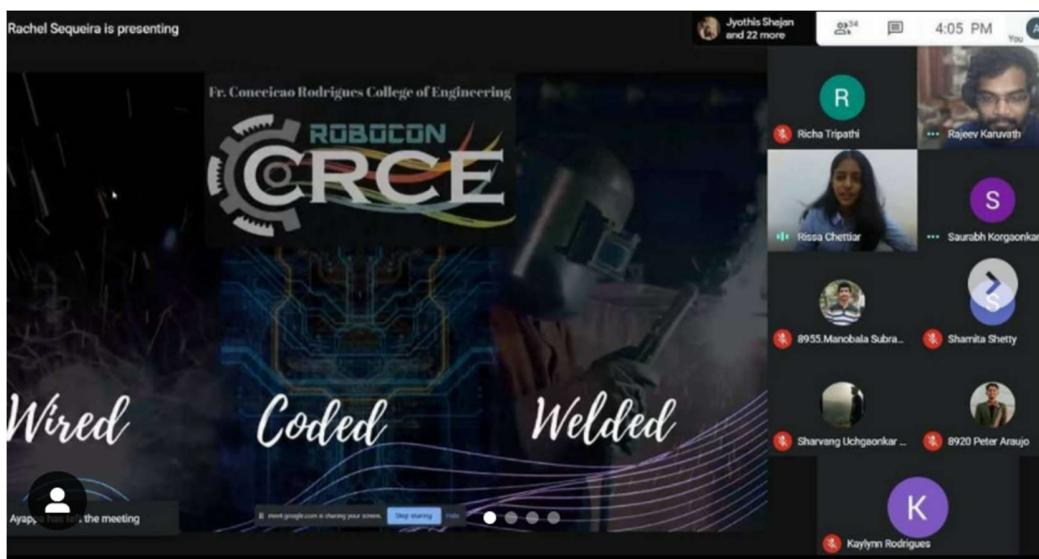
Codelabs CRCE

Codelabscrce conducted Fr. Conceicao Rodrigues Memorial Hackathon Unscript 2k20, a National Level virtual hackathon on 21st and 22nd November 2020.



Robocon CRCE

Robocon CRCE organised a webinar on “Enterprise Web Development” held on 28th November 2020 by Mr. Rajeev Karuvath, alumnus of FRCRCE attended by 34 students.



CRCE Formula Racing– TEAM CFR

Adapting to changing times and rising up to the occasion is what institute decided to do in the academic year 2020-21. Team CFR collaborated with Chaitanya Welfare Foundation in fight against covid. They helped with collecting plasma donations, ventilator beds and lifesaving injections.



Team ABADHA

Team Abadha CRCE participated in the Electric category of BAJA SAE INDIA and acquired All India Rank 17. Won prizes in several categories.

E-BAJA SAE INDIA 2021 RESULTS

ABADHA CRCE

OVERALL ALL INDIA RANK 17

- ★ AIR 5TH IN SALES PRESENTATION
- ★ AIR 5TH CAE PRESENTATION
- ★ AIR 7TH COST PRESENTATION
- ★ AIR 16TH DESIGN PRESENTATION
- ★ OVERALL STATISTICS- AIR 14TH
- ★ AIR 9TH GRADEABILITY
- ★ AIR 15TH MANEUVERABILITY
- ★ AIR 19TH ALL TERRAIN
- ★ AIR 21ST S&T
- ★ OVERALL DYNAMICS- AIR 20TH

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Team Vaayushastra CRCE

For the academic year 2020-21, Team Vaayushastra CRCE received sponsorship from Dassault Solidworks.



6. Problems Encountered and Resources Required:

The academic year 2020-21, came with its own set of challenges and problems. With lockdown limitations and restrictions, it was decided that the activities of councils and teams will be carried online for safety and wellbeing of students and faculty. The use of online medium, though not easy for everyone, was continued and was used optimally. Virtual platforms like Google Meet and Zoom were brought by the institute to conduct online workshops, events and webinars. This ensured that students learn to adapt to the rapid changes and needs of the time and accordingly adjust with the new normal.