#### 6.5.3. Quality assurance initiatives of the institution:

Sr. No.	Title	Page No.
1	Circular for meeting	1-3
2	Minutes of the Meeting	4-5
3	Action Taken Report	6-11
4	Department and Academic Audit Format and sample copy	12-15
5	Events Contented by IQAC	16-26
6	Feedback collected and its analysis	27-35
7	Collaborative quality initiatives with other institution(s)/ membership ofinternational networks	35-43
8	NBA Certificate	44-45
9	NAAC Certificate	46
10	NIRF Certificate	47-49

#### Contents

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

Ref. : CRCE / 2022 / 264A

Date : July 20, 2022.

#### CIRCULAR

An Internal Quality Assessment Cell (IQAC) has been constituted with the following members as per NAAC guidelines :

1.	Chairman	Principal -	Dr. Surendrasingh S. Rathod
2.	Member of Management	Director -	Fr. Valerian D'Souza
3.	Co-ordinator	Professor -	Dr . Sunil Surve
4.	Senior Administrative Officer	HoD (Comp) -	Dr. Sujata Deshmukh
5.	Senior Administrative Officer	HoD(AI & DS)-	Dr. Jagruti Save
6.	Senior Administrative Officer	HoD (ECS) -	Dr. Sapna Prabhu
7.	Senior Administrative Officer	HoD (Mech) -	Dr. Bhushan Patil
8.	Senior Administrative Officer	HoD (H&S) -	Prof. Dileep Chandra Nair
9.	Member – Programme Co-ordi	nator (Comp) -	Prof. Monika Khanore
10.	Member – Programme Co-ordi	nator (AI& DS) -	Prof. Garima Thripathi
11.	Member – Programme Co-ordi	nator (ECS) -	Prof. Shilpa Patil
12.	Member – Programme Co-ordi	nator (Mech) -	Dr. Vasim Sheikh
13.	Member – Programme Co-ordi	nator (H&S) -	Prof. Prasad Lalit
14.	Nominee of the Student - Gene	eral Secretary -	Mr. Anthony Benno
15.	Alumni	1 10 10 10 10 10 10 10 10 10 10 10 10 10	Mr. Mihir Karkare
16.	Employer's Nominee	-	Mr. James Maslamani
17.	Nominee from Industry	-	Mr. Lester Fernandes
18.	Stakeholder's Nominee (Parent	.) -	Ms. Vishakha Fernandes
19.	NAAC and NBA Convener		Prof. Prashvi Shah
20.	NIRF Co-ordinator	-	Prof. Supriya Kamoji

All concerned are requested to note the above.

(DR. S.S. RATHOD) PRINCIPAL



### FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING Fr. Agnel Ashram, Bandra, Mumbai 400 050

Ref: CRCE/IQAC/2022-23/M1

Date: 26/09/2022

#### CIRCULAR

Meeting of internal members of IQAC is scheduled on Tuesday, September 27, 2022 at 2.00pm in the Conference Room. All are requested to attend the same.

Agenda: 1. NIRF Ranking

2. Finalization of Process Manual

18cm Dr. Sunil K. Surve

IQAC Co-Ordinator

Dr. Surendrasingh S. Rathod
 Dr. Sujata Deshmukh
 Dr. Jagruti Save
 Dr. Jagruti Save
 Dr. Sapna Prabhu Duodue
 Dr. Bhushan Patil Amm
 Prof. Dileep Chandra Nair
 Prof. Dileep Chandra Nair
 Prof. Monica Khanore
 Prof. Garima Tripathi
 Prof. Shilpa Patil 3.1 Patul
 Prof. Parshvi Shah
 Prof. Supriya Kamoji Amm

## IQAC Internal MembersMeeting 27 September 2022 Attendance

Sr. No.	Name of the IQAC Member	Sign
1	Dr. Surendrasingh S. Rathod	- pur
2	Dr. Sunil Surve	Buller
3	Dr. Sujata Deshmukh	BY
4	Dr. Jagruti Save	
5	Dr. Sapna Prabhu	Alrabe
6	Dr. Bhushan Patil	min
7	Prof. Dileep Chandra Nair	Win 2
8	Dr. Vasim Shaikh	Am
9	Prof. Monica Khanore	1140
10	Prof. Garima Tripathi	
11	Prof. Shilpa Patil	S. 2 Patul
12	Prof. Prasad Lalit	- Juco
13	Prof. Parshvi Shah	tr.
14	Prof. Supriya Kamoji	1

# FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING

### Fr. Agnel Ashram, Bandra, Mumbai 400 050

#### Minutes of the IQAC Meeting

Minutes of the IQAC Meeting held on September 27, 2022 at 2.00 pm in conference Room Following staff members have attended the meeting:

- 1. Dr. Surendra Singh Rathod
- 2. Dr. Sunil Surve
- 3. Dr. Sujata Deshmukh
- 4. Dr. Sapna Prabhu
- 5. Dr. Bhushan Patil
- 6. Prof. Monica Khanore
- 7. Prof. Supriya Kamoji
- 8. Prof. Shilpa Patil
- 9. Dr. Vasim Shaikh
- 10. Prof. Prasad Lalit
- 11. Prof. Deelip Chandra

Dr. Sunil Surve welcomed all the staff members.

#### Agenda 1: Insights and Analytics of NIRF

Prof. Supriya Kamoji started the presentation with the importance of NIRF and continued with the parameters used for evaluation of NIRF ranking. It was followed by detailed analysis of 3 years. Institute performance was compared with the peer institutes. Some interesting facts were revealed such as 4 NITs were scoring less in one of the parameters the NIRF. Finally, SWOT analysis was discussed and discussion was held on improving the ranking next year.

Following the areas of improvement were noted down and Principal sir suggested to work upon:

- Improving Perception
  - o Institute website needs urgent attention
  - o Presence on social media- Mainly through various student bodies
  - o Branding CRCE- Sign Board with Advertisement Board (Revenue generation)
- Placement & Higher Studies
  - o Data collection mechanism for off-campus placements & higher studies
- Research & IPR

- Immediate action to be taken to increase faculty/student publication- One publication per year indexed in scopus/ UGC care/ WoS journal
- Funding for research projects (AICTE, DST, ISRO, UGC etc)
- Incentives for patents publishing/granted.
- Quality publication: citation
- Motivate students to file patent publication

### Institutional Reforms

- Outreach Initiatives
  - Organize CEP (Continuing Education Programs) courses Live stream on youtube publicity to increase the visibility
  - Content writing, media reach
  - Managing brand on social media
  - Hostel facility to attract students(girls) from other states for PG
- Research & Consultancy Cell
  - Facilitating research, consultancy, IPR activities
  - Conducting workshops on research grant proposal and follow up

# Agenda 2: Finalization of process Manual

Due to lack of time, it was decided to discuss it in the next meeting. The meeting ended with thanks to the chair.

Soulever

#### Circular

#### Date: 17 December 2022

All Head of the Departments are requested to assure that following files to maintained in the department and updated till current date. This is essential for NAAC visit which likely to be happened in February/March 2023.

Inter department will be scheduled in third week of January 2023. The detailed schedule of the audit will be informed in second week of January 2022. List of the files is given below.

Department Level Files

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- 1. Vision, mission, PEOs statements, PEO-mission mapping with justification
- Minutes of meetings: DAB, DQAC (Vision, mission, PEO Formulation, verification (CO, Test Papers, Assignments, PO attainment, program level gaps, etc.), Faculty meetings, circulars, etc.
- 3. Academic calendar, Time table, Personal time table, work load distribution for five years
- 4. Course files consisting Lesson plans, course material, test papers, assignments, co attainment calculations, content beyond syllabus, course level gaps, etc.
- 5. Weak and bright learner report and analysis
- 6. PO Attainment and action taken for past five years
- Project: List of reports for five years, grading report of projects (including project selection, mid-term presentation, end semester presentation, term work, etc.), circulars, etc.
- 8. Industry interaction related initiatives and its impact (All with proofs)
- 9. Internship relative initiatives, Internship data in NAAC format (All with proofs)
- 10. Certificate Courses attended by students (with proof) Use NAAC Template)
- 11. Faculty data in NAAC format for past five years (All with proofs), cadre ratio, retention ratio, faculty participation in development and training activities (with proofs)
- 12. FDP attended by faculty members with certificates and sponsorship if any
- 13. Students on roll for past five years, admission list in given format, enrollment calculation (All with proofs)
- 14. Results and analysis for past five years including analysis in NBA formats (All with proofs)
- 15. Placement data in NNAC format, higher education in NAAC format, analysis, entrance test data in given format (All with proofs)
- 16. Student's academic feedback, student's feedback on facilities, Graduate exit surveys, alumni surveys, parent's feedback, parent feedback, faculty member's feedback, etc.
- 17. Professional societies managed by department (for past five years) for every society: list of council members, list of events organized, report of each event, list of participants with attendance, certificates etc.
- 18. Newsletters published by department/councils Copies of all newsletter published in past five years
- 19. Paper publications by faculty members: List in NAAC format, Copy of publication, ORCHID ID, Vidwan id, etc.
- 20. Paper publications by students: List in NAAC format, Copy of publication, etc.
- 21. Student Faculty ratio for past five years
- 22. List of PhD students, status, publications, etc.
- 23. Project developed, consultancy, funded projects, etc.
- 24. Faculty appraisal for past five years
- 25. Academic audit for past five years

- 26. Summary of departmental infrastructure classrooms, labs, facilities in classrooms, area, major equipment/facility in labs, etc.
- 27. MoUs and relevant activities
- 28. Mentoring: circular regarding mentor allocation, mentoring report (For past five years)

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- 29. List of open source software used
- 30. Asset registers for all lab and common (departmental level if any)

Request all to assure that files will be kept ready for department audit.

Bille

Dr. Sunil Surve

IQAC Coordinator

Following files to be verified:

11-7

File	-	
Vision, mission, PEOs	Content	Remark
	Vision, Mission, PEO	
and the second second second	statements	
have been an in the second	Versions of all statements	
Minutes of meetings:	Stakeholder feedback if any	
0	Faculty meetings	
and the second second	DQAC Meetings (Vision,	
	mission, PEO Formulation,	
	verification (CO, Test Papers, Assignments, PO attainment,	
and the second second	program level gaps, etc.)	
	DAB Meetings	
	Circulars	
Academic calendar, Time	Academic calendar -	
table, Personal time table,	department	
work load distribution (5	Time table	
years)	Personal time table	
	Work load distribution	
Course files	Lesson plans	
	test papers	
	assignments	
	course level gaps	
	content beyond syllabus	
	content beyond syllabus	
	co attainment calculations	
Weak and bright learner	course material	
report and analysis		
PO Attainment		
Project	List of reports for five years, ,	
	circulars	
	grading report of projects	
	(including project selection,	
	mid-term presentation, end	
	semester presentation,	
	term work, etc.)	
ndustry interaction related	Communication	
nitiatives and its impact	MoU if any	
	Any other proof	
nternship	List of the students	
	Certificates	
	One page internship report	
	from each student	
	Impact analysis	
ertificate Courses	List	
	Certificate	
	One page report from each	
	student	
	Impact analysis	

Faculty	List	
	Qualification and experience	
	certificates	
	Faculty profiles	
	Faculty requirement, cadre	
	ratio, etc.	
Faculty participation in development and training	List	
activities	Certificates	
Students on roll	List for five years	
	Admitted student list	
	Admission analysis	
Results	Results of all semester	
124	Analysis	
Placement (For 5 years)	List – Placement	
	List – Higher education	
	Offer letters	
	Score and Admit card	
	Analysis – Placement and	
	higher education	
Feedback	Academic feedback from	
	students (midterm and end	
	semester)	
	Feedback on facilities	
	(students)	
	Feedback from Parents	
	Feedback from alumni	
	Graduate exit surveys	
	Feedback from Employers	
Professional societies	List of councils	
managed by department (for	List of council members	
5 years)	List of events	
5 400.01	Report of events - report,	
	participant list and attendance	
	Summary	
(Letters (for 5 years)	List of newsletters	
Newsletters (for 5 years)	Copy of newsletters	
Litera by Eaculty	List of faculty members with	
Paper publications by Faculty	ORCHID id, Vidvan ID and	
members	number of publications	
	List of publications	
	Copy of publications	
and the loss	List of publications	
Paper publications by	Copy of publications	
students	COP/	
Student Faculty ratio for past		
five years	List of PhD students, status,	and the second
PhD students	publications	
Project developed,		
consultancy, funded projects		

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culty appraisal for past five		
ears academic audit for past five		
ears summary of departmental		
infrastructure	List of MoUs and copy of MoU	
Infrastructure MoUs and relevant activities	List of activities and report of activities	
Mentoring	circular regarding mentor allocation	
	mentoring report	
List of open source software used		
Asset registers for all lab	About department	
Department Web Pages - verify all pages are up to date	Vision, mission, PEO, PO, PSO	
verity all pages are op a	1 LUG GATE A	
	Supporting staff	
	Infrastructure	
	Publications (as per NAAC form)	

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Specific remarks:

Remedial Measures:

Auditor 1:

Signature:

Auditor 2: Signature:



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Fr. Conceicao Rodrigues College of Engineering Father Agnel Ashram, Bandstand, Bandra-west, Mumbai-50

Department of Computer Engineering

# Academic and Department Audit Report

Minutes of the Academic and Department Audit held on July 20, 2022 from 10 am

Following staff members have attended the audit:

- 1. Dr. Sujata Deshmukh (Head of the Department (HoD))
- 2. Dr. Sunil surve
- 3. Dr. Brijmohan Daga
- 4. Prof. Merly Thomas
- 5. Prof. Swati Ringe
- 6. Prof. Roshni Padate
- 7. Prof. Kalpana Deorukhkar
- 8. Prof. Ashwini Pansare
- 9. Prof. Dipali Koshti
- 10. Prof. Surpiya Kamoji
- 11. Prof. Monali Shetty

Dr. Sujata Deshmukh welcomed Dr. Narendra Shekokar from D. J. Sanghvi college of Engineering, Vile Parle (W), External expert for the Academic Audit.

Dr. Shekokar meticulously examined the course files of the faculty. He observed most of the course files to be appropriate and having good course contents. He gave the following suggestions to make the course delivery more efficient:

- Provide additional resources to the students
- Need improvement in the content beyond syllabus
- CO-PO mapping justification needs refinement
- Incorporate more innovative teaching-learning methods .
- Invite industry expert for mini-project evaluation .
- Include End Semester Exam paper solution in course file .
- Include innovative experiments .

The academic Audit was followed by the Department Audit. Dr. Shekokar did scrupulous examination of the department related files, and was satisfied with the records maintained in the files.

The Audit ended with thanks to Dr. Shekokar for his valuable inputs and suggestions

Program Coordinator

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# Fr. Conceicao Rodrigues College of Engineering

Father Agnel Ashram, Bandstand, Bandra -west, Mumbai-50

## Department of Computer Engineering

Name of department: Computer Engineering

: Chairperson- Dr. Sujata P. Deshmukh
: Member Secretary- Prof. Monica Khanore
: Dr. B.S. Daga,
Prof. Merly Thomas,
Prof. Roshni Padate,
Prof. Kalpana Deorukhkar
: Prof. Narendra Shekokar, Professor,
D. J. Sangavi, COE, Vile Parle, Mumbai

No of meetings conducted : 7

**Evaluation of CO** : Done between 17<sup>th</sup> August to 22<sup>nd</sup> August, 2022 **Evaluation of Attainments of CO/PO** 

### Summary of PO attainment:

The PO attainment for the academic year 2021-22 is follows:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
Average of direct PO and PSO attainment	2.69	2.68	2.70	2.86	2.87	2.96	3.00	2.59	2.68	2.67	2.57	2.76	2.60	2.54
Indirect PO Attainment (graduate & alumni survey)	3	3	3	3	2	3	3	3	2	3	3	2	2	2
Indirect PO attainment (Events)	2.83	2.3	2,45	2.13	1.9	2.06	1.99	1.99	2.14	2.07	2.04	2.09	1.41	1.78
Average Indirect PO attainment	2.92	2.65	3.00	2.57	1.95	2.53	2.49	2.50	2.07	2.54	2.52	2.05	1.71	1,89
Average PO Attainment (Direct + Indirect)	2.74	2.68	2.76	2.80	2.69	2.88	2.90	2.57	2.56	2.64	2.56	2.62	2.42	2
Total Subjects: 79									-		-			
Subjects Mapped to each PO	67	62	60	23	46	11	3	15	39	34	28	47	61	46

Academic audit date Summary report : 20<sup>th</sup> July, 2022 : See attachment

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# Society of St. Francis Xavier, Pilar's Fr. Agnel Technical Education Complex Bandstand,

Bandra Mumbai -400 050

Department of

Engineering

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Note:				5 1
Sr. No	r arameters to be verified	pro	Remarks by Dept.	Justification
1	Academic Plan (Calendar, Timetable, Schedule of examinations) and Executio	n	- J Dept	
2	Lecture Plan and Execution			
3	Faculty Course Files.			
4	Upkeeping of laboratory resources Teaching and learning process			
5	(Innovative teaching and evaluation met	hod).		
6	Attendance Monitoring			
7	Record of visiting / expert Lectures			
8	Students counseling and mentoring			
9	Feedback from students			
10	Industrial visits			
11	Faculty achievements			
12	PTI (parents feedback)			
1		as ren	tive Analysis hark with proj 3 -	s perjustification → Good 4→ Excellent
13*	Remedial measures to improve academic performance of weak students.	SE TE BE		
14*	Students' participation in co- curricular (including professional societies) and e curricular activities.	xtra-		
15*	Student achievements			
16*	Result analysis	SE		
		TE		
		BE		

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# **Objectives of Department Academic Audit:**

- To verify consistency of Vision and Mission of the Departments with Vision and Mission of the Institute.
- To check appropriate implementation of the concept of Outcome Based Education model.
- . To verify the proper academic planning and execution of programmes.
- To carry out SWOT analysis of programmes.
- To evaluate efforts made to produce practicing engineer.
- To evaluate students' performance in curricular, co-curricular, extra-curricular, placement and higher studies activities.
- To evaluate faculty performance.
- To verify proper upgradation and utilization of laboratory resources.
- To verify budget utilization.
- To verify mechanism for incorporating feedback from various stake holders.
- To verify the process of continuous improvement.

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

Ref : CRCE / 2022 / 287

Date : August 18, 2022.

### CIRCULAR

IQAC has organized a one-day workshop on "Teaching Learning Practices and Examination Reforms" on Saturday, 20<sup>th</sup> August 2022 in Seminar Hall. It is mandatory for all faculty members to attend the workshop. Please refer the schedule attached herewith.

(DR. S.S. RATHOD) PRINCIPAL

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# Fr. Conceicao Rodrigues College of Engineering

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

# WORKSHOP ON 'TEACHING LEARNING PRACTICES AND EXAMINATION REFORMS' ORGANISED BY IQAC (20<sup>TH</sup> Aug 2022, Venue: Seminar Hall)

Activity	
Introduction to IQAC Processes and	Speaker Dr. Sunil Surve
Do's and Don'ts	Dr. Surendra Rathod
Learning Outcomes	
Short Break	
Outcome Based Assessment Considering Competencies and Performance Indices	Dr. Surendra Rathod
Group Activity: Rubrics Development for Innovative-Teaching Learning Methodologies	
Lunch Break	
Group Activity: Drafting Question Paper as per Competencies and PI	Dr. Surendra Rathod
Take Away from Workshop	IQAC Team
	Practices         Do's and Don'ts         Learning Outcomes         Short Break         Outcome Based Assessment Considering Competencies and Performance Indices         Group Activity: Rubrics Development for Innovative-Teaching Learning Methodologies         Lunch Break         Group Activity: Drafting Question Paper as per Competencies and PI

One-day Workshop on "Teaching hearing Practices and Examination Reforme Organized by IRAC 20 08 2022. Venue: Seminar Hall 1) Sund Sune 20 2) V.S. Bilolikar Boshikar 3) AKShay P. Save APSar 4) B-S. Daja - \_\_\_\_h. 5) D.V. Bhoir There 6) Do- Bhyshan T- Patri Thus 7) D.S.S. Sudnakan Sternighed 8. Sapna Prabha. Pluabh g. Swapnali Makdey - B ... 4 . 2 . 4 38 Dr. Sunt 10. Jagruti Nagaonkar Jory H JAN 11. Kranti Wagle Poluzeph 12. Heenakausal Penchani Hudlen 13. Garima Tripathi gannal 14. Projahua Dhamanshar Chur 15. Prach: Patil Prach 16. Supriya Kamiji I 17. Prajakta Bhangale Dipuli tooshi dhoshb 18. Sujate Destimuter mal 19 20 Roshni Padate 118 21 Nerly Thomas. 22. Kalpang Deomethod ) allow

23. Binsy Joseph 24. Monali Shetty 25. Ashedini Pansare

26. Archana Lopes 27. Langeeta Parshiemikar 28. Dr. Varim A. Shaikh

29. Deepika Singh S.

30. Dr. Ketali N. Joshi 31. Anant Namdeo Tarase

Navayaran K 32 V.S.Josepur 32. Saurabh Kulkarni 33. Jaibhar Godbole 34+ 39. AB-S-K- 795. Dr. Sunil Yadav 36. Singh Pradeepv. 37. M. VeeraBhadrahas 38 Dilecp Chandra. C 29. Prasad Lair 40 Hemant Khanolkar 41 Dr. Joseph Rodrigues 42 43 Monica Khamore 44. J.K. Save

45. Shilpa Patil

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# FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING Fr. Agnel Ashram, Bandra, Mumbai 400 050

# One -day workshop on "Teaching-Learning Practices and Examination Reforms" Organized by IQAC, Fr. CRCE, Bandra(W)

A one-day One -day workshop on "Teaching-Learning Practices and Examination Reforms" was organized by IQAC on 20<sup>th</sup> August, 2022 in Seminar Hall. 47 faculty members attended the workshop.

The workshop started with the introduction to IQAC Processes and Practices by Dr. Sunil Surve. He deliberated on topics like Defining Processes, Defining Benchmarks, Creating portal for document uploading etc. necessary for streamlining important processes in the institute. He further emphasized on the measures to improve the NIRF ranking of the institute.

Our Principal Dr. Surendra Singh Rathod then explained the Index of Learning Style, Digital Taxonomy, and Affective Domain of Bloom's taxonomy to the staff members. He further elaborated on the Do's and Don'ts for the smooth conduct of the staff and student activities as well as for the improving the admissions and placement of students. He opined that maximum student activities should be conducted during the first two weeks of the term. Dr. Rathod further emphasized on the importance of social empathy, quest for quality, and sustainability. He encouraged the faculty to register for the NITTT courses.

It has become mandatory for engineering institutes to adapt to the Examination Reform Policy proposed by AICTE. To facilitate the improvement in the structure and quality of assessment, Dr. Rathod conducted a session on "Outcome Based Assessment Considering Competencies and Performance Indices". In the brainstorming session, he explained the revised Bloom's Taxonomy, and solved the doubts of faculty members about the Competencies and performance Indicators (PI) for the assessment of the Programme Outcomes (POs).



Norme IMG20220820124207

Time 8/20/22 12:42:07

Location Couple Park, Bandra West, Mumbai, Mumbai Suburban, Maharashtra



Name IMG20220820124036

Time 8/20/22 12:40:36

Couple Park, Bandra West, Mumbai, Mumbai Suburban, Maharashtra



8/20/22 12:41:11

2RVC+R28, Bandra West, Mumbai, Mumbai Suburban, Maharashtra

Dimensions 4080 × 3072 Pixels

Size



Time 8/20/22 12:41:55

Couple Park, Bandra West, Mumbai, Mumbai Suburban, Maharashtra

Dimensions 4080 × 3072 Pixels

In the next session on "Drafting Question Paper as per Competencies and PI", Dr. Rathod explained the format of the test paper as per the reforms. He briefed the faculty on the rubrics for final year projects and Mini projects.

The workshop provided the faculty a very good insight into the Teaching-Learning practices and also in the Examination Reforms.

The workshop concluded with the take aways by Dr. Sapna Prabhu and thanks to Dr. Rathod.

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C. Contractor



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

# Report of Seminar by Mathworks on 'MATLAB and Simulink for Interactive Teaching and Research

Speaker	: Dr Pranav Lad
Date of Event	:17/09/2022
Duration	: 5 Hours
Organised by	: IQAC and R&D Committee
Total Number of Participants	: 48
Venue	: Seminar Hall

**Objective of Program** 

Objective of the program was to create awareness about various modules available in MATLAB and Simulink which can be useful for the faculty members for interactive teaching and research.

### Contents of the Program

The speaker for the session was Dr. Pranav Lad, Customer Success Engineer at MathWorks.

The morning session was intended for the faculty members from all branches covering AI and machine learning tools in MATLAB. Whereas, afternoon session was mainly dedicated Simulink and Simscape for mechanical and electronics engineering domain problems.

In the morning session, Dr. Pranav Lad provided an overview of data science, AI and machine learning and demonstrated exploratory factor analysis, curve fitting, classification and regression analysis using MATLAB. He also explained how the programs can be developed to collect realtime data from sensors using hardware supported for MATLAB. He also explained that LabJack can be an economic option for collecting the sensors data in the .dat files which can then be processed using MATLAB.

He also demonstrated a feature MATLAB Grader which allows the teachers to scale assessments and automatically grade MATLAB coding assignments in any learning environment. The tool can be used for formative assessment with automated feedback and summative assessments such

In the afternoon session, Dr. Pranav demonstrated modelling of Spring-Mass-Damper System, lectronic circuits, thermal and fluid systems using Simulink and Simscape. He demonstrated how Simscape enables rapid development of physical systems within Simulink environment. He how to develop physical component models using components available in the library and integrate with block diagrams and other modelling paradigms.



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

He also shared information about various self-paced courses made available by Mathworks which can be used to get acquainted with MATLAB, Simulink and Simscape. He also explained their Mathworks excellence in innovation portal which aids students to select their capstone projects based on real industrial problems.

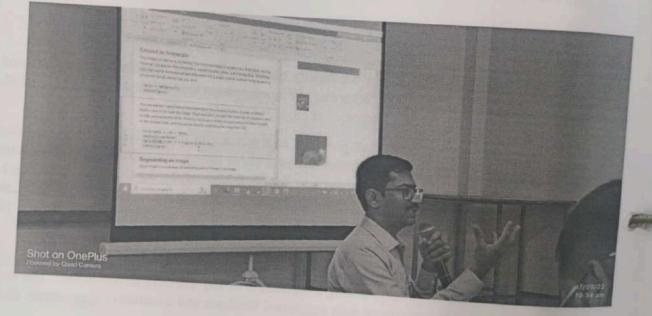
The session was truly informative and interactive in nature. The participants asked various queries related to hardware support, matlab and Simulink features.

The program was successful in developing an understanding of various modules and add-on toolboxes available with the latest version of MATLAB.

#### Outcomes

Participants were made aware of latest modules and add-on toolboxes provided by Mathworks to the users and got their queries specific to MATLAB, Simulink and Simscape resolved by Mathworks customer success engineer.

## Photographs of Event





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

Proved by Canadiana





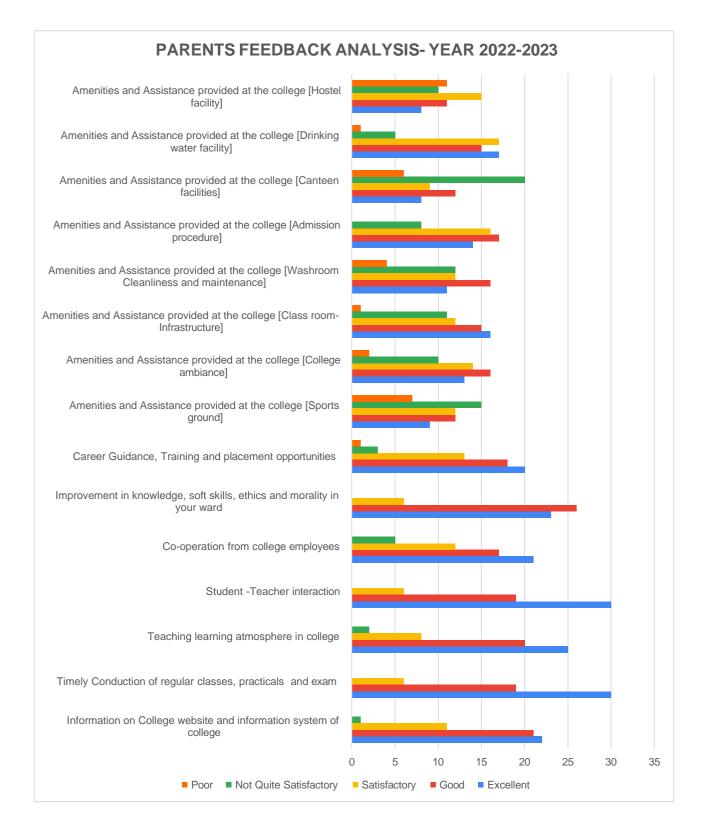
CONCEICAO RODRIGUES COLLEGE OF ENGINEERING Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai – 400 050





#### PARENTS FEEDBACK - YEAR 2022-2023

Sr.No	Торіс	Excellent	Good	Satisfa ctory	Not Quite Satisfa ctory	Poor	Total
1	Information on College website and information system of college	22	21	11	1	C	55
2	Timely Conduction of regular classes, practicals and exam	30	19	6	0	C	55
3	Teaching learning atmosphere in college	25	20	8	2	C	55
4	Student -Teacher interaction	30	19	6	0	C	55
5	Co-operation from college employees	21	17	12	5	C	55
6	Improvement in knowledge, soft skills, ethics and morality in your ward	23	26	6	0	C	55
7	Career Guidance, Training and placement opportunities	20	18	13	3	1	55
8	Amenities and Assistance provided at the college [Sports ground]	9	12	12	15	7	55
g	Amenities and Assistance provided at the college [College ambiance]	13	16	14	10	2	55
10	Amenities and Assistance provided at the college [Class room-Infrastructure]	16	15	12	11	1	55
11	Amenities and Assistance provided at the college [Washroom Cleanliness and maintenance]	11	16	12	12	4	55
12	Amenities and Assistance provided at the college [Admission procedure]	14	17	16	8	C	55
13	Amenities and Assistance provided at the college [Canteen facilities]	8	12	9	20	6	55
14	Amenities and Assistance provided at the college [Drinking water facility]	17	15	17	5	1	55
15	Amenities and Assistance provided at the college [Hostel facility]	8	11	15	10	11	55

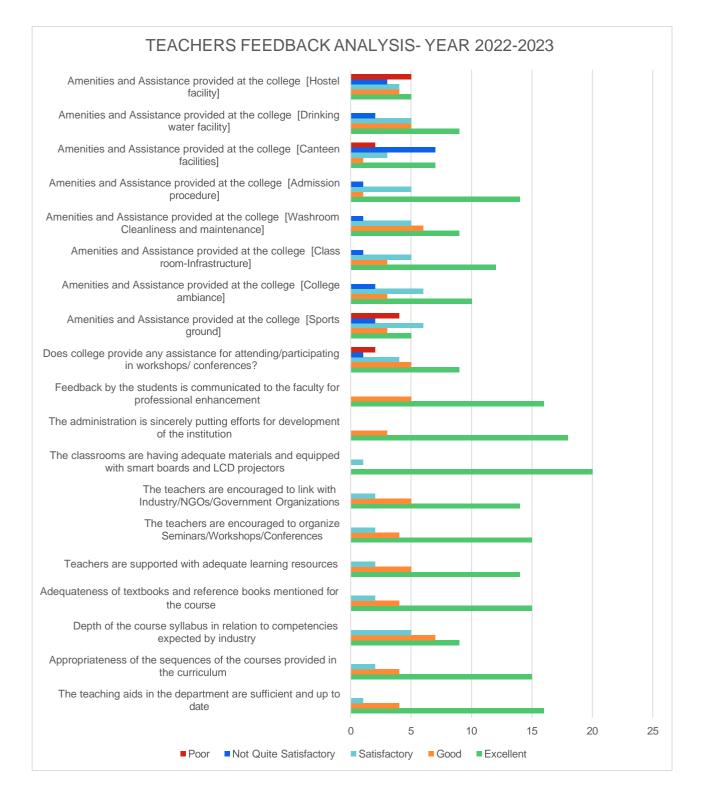


#### STUDENTS FEEDBACK - YEAR 2022-2023

Sr.No	Торіс	Excellent	Good	Satisfac tory	Not Quite Satisfac tory		Total
	Curriculum covers different subject areas of						
	your degree discipline to prepare a sound						
	knowledge and foundation (Subjects including						
	Basic sciences, Humanities, Discipline Core,						
	Departmental Level Elective, Institute Level						
1	Elective, Project Work, Internships etc.	40	69	30	7	0	146
	Planning and execution of academic calendar						
	to prepare you for End Semester exams and						
2	internal/external assessments.	44	60	38	2	2	146
	Course Coverage by the faculty members in						
3	the class	55	62	25	4	0	146
	Usage of Interactive tool such as PPTs,						
	MOOCs, video lectures, online tutorials. etc.						
4	to facilitate teaching-learning process	74	48	22	2	0	146
	Opportunities for out of class room learning						
	(Guest lectures, Seminars, workshops, value-						
	added programs, competitions,						
5	Industrial/Field visit etc.	45	55	37	7	2	146
	Adequacy of laboratory facilities, computer						
	resources, laboratory manuals etc. to conduct						
	practical experiments/ exercises as per						
6	syllabus prescribed by university	62	60	21	2	1	146
	Facilities for aptitude classes, personal and						
	professional grooming and preparation for						
7	placement process	52	54	29	10	1	146
	Teaching and mentoring process in the						
_	institution to facilitate your cognitive and			_			
8	emotional growth	44	56	35	8	3	146
	Academic support facilities like Library,						
	Seminar Halls, Auditorium, Internet, Wi-Fi,						
-	Computer Center, Communication Skill Labs				_		
ç	etc.	60	53	24	7	2	146
	Amenities and Assistance provided at the						
10	college [Sports ground]	26	30	42	33	15	146
	Amenities and Assistance provided at the						
11	college [College ambiance]	32	35	44	27	8	146
10	Amenities and Assistance provided at the						
12	college [Class room-Infrastructure]	29	38	49	21	9	146
	Amenities and Assistance provided at the						
40	college [Washroom Cleanliness and						
13	maintenance]	29	34	35	33	15	146
	Amenities and Assistance provided at the	20					4.40
14	college [Admission procedure]	39	42	42	20	3	146
4 5	Amenities and Assistance provided at the	40				40	4.40
15	college [Canteen facilities]	18	31	39	40	18	146
40	Amenities and Assistance provided at the						4.40
16	college [Drinking water facility]	46	39	38	21	2	146
4 -	Amenities and Assistance provided at the						
17	college [Hostel facility]	25	26	42	22	31	140

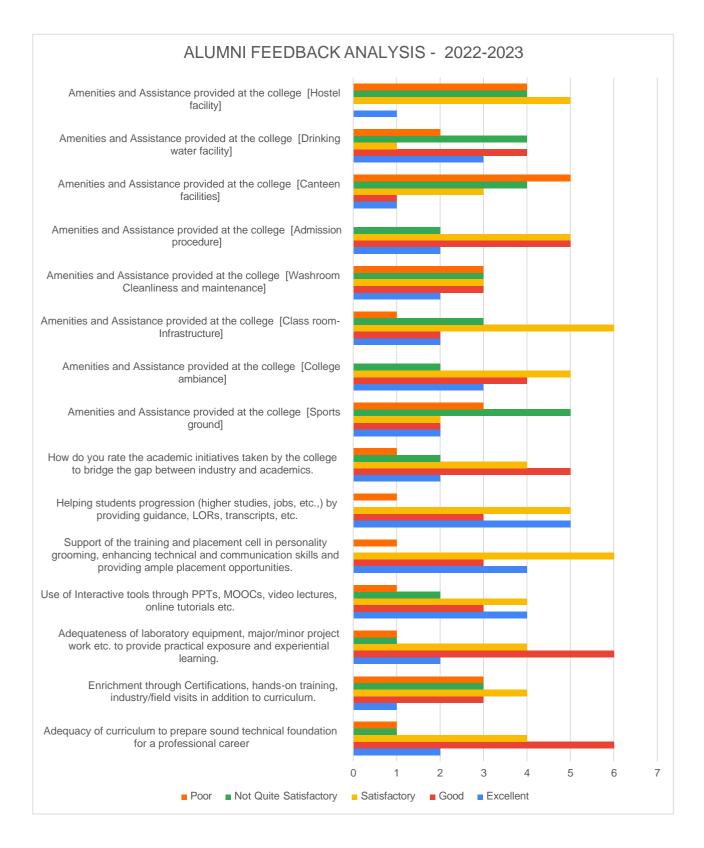


Sr.No	Торіс	Excellent		Satisfact	Not Quite Satisfact ory	Poor	Total
	The teaching aids in the department are sufficient and up to date	16	Л	1	0	0	21
	Appropriateness of the sequences of the	10	4	· ·	0	- 0	21
	courses provided in the curriculum	15	4	2	0	0	21
	Depth of the course syllabus in relation to						
3	competencies expected by industry	9	7	5	0	0	21
	Adequateness of textbooks and reference						
4	books mentioned for the course	15	4	2	0	0	21
	Teachers are supported with adequate						
Ę	learning resources	14	5	2	0	0	21
	The teachers are encouraged to organize						
6	Seminars/Workshops/Conferences The teachers are encouraged to link with	15	4	2	0	0	21
-	Industry/NGOs/Government Organizations	14	5		0	0	21
	The classrooms are having adequate	14	J		0	0	21
	materials and equipped with smart boards						
8	and LCD projectors	20	0	1	0	0	21
	The administration is sincerely putting efforts			-	-		
ç	for development of the institution	18	3	0	0	0	21
	Feedback by the students is communicated						
10	to the faculty for professional enhancement	16	5	0	0	0	21
	Does college provide any assistance for						
	attending/participating in workshops/						
11	conferences?	9	5	4	1	2	21
	Amenities and Assistance provided at the						
12	college [Sports ground]	5	4	6	2	4	21
	Amenities and Assistance provided at the						
13	college [College ambiance]	10	3	6	2	0	21
1/	Amenities and Assistance provided at the college [Class room-Infrastructure]	10	2		4		21
12	Amenities and Assistance provided at the	12	3		· · ·	0	21
	college [Washroom Cleanliness and						
15	maintenance]	9	6	5	1	0	21
	Amenities and Assistance provided at the				· · · ·		
16	college [Admission procedure]	14	1	5	1	0	21
	Amenities and Assistance provided at the						
17	college [Canteen facilities]	7	2	3	7	2	21
	Amenities and Assistance provided at the						
18	college [Drinking water facility]	9	5	5	2	0	21
	Amenities and Assistance provided at the						
19	college [Hostel facility]	5	4	4	3	5	21



#### ALUMNI FEEDBACK - YEAR 2022-2023

Sr.No	Торіс	Excellent	Good	Satisfa ctory	Not Quite Satisfa ctory	Poor	Total
1	Adequacy of curriculum to prepare sound technical foundation for a professional career	2	6	4	1	1	14
2	Enrichment through Certifications, hands-on training, industry/field visits in addition to curriculum.	1	3	4	3	3	14
	Adequateness of laboratory equipment, major/minor project work etc. to provide practical exposure and experiential learning.	2	6	4	1	1	14
4	Use of Interactive tools through PPTs, MOOCs, video lectures, online tutorials etc.	4	3	4	2	1	14
5	Support of the training and placement cell in personality grooming, enhancing technical and communication skills and providing ample placement opportunities.	4	3	6	C	1	14
6	Helping students progression (higher studies, jobs, etc.,) by providing guidance, LORs, transcripts, etc.	5	3	5	C	1	14
7	How do you rate the academic initiatives taken by the college to bridge the gap between industry and academics.	2	5	4	2	1	14
в	Amenities and Assistance provided at the college [Sports ground]	2	2	2	5	3	14
c	Amenities and Assistance provided at the college [College ambiance]	3	4	5	2	0	14
10	Amenities and Assistance provided at the college [Class room-Infrastructure]	2	2	6	3	1	14
11	Amenities and Assistance provided at the college [Washroom Cleanliness and maintenance]	2	3	3	3	3	14
12	Amenities and Assistance provided at the college [Admission procedure]	2	5	5	2	0	14
	Amenities and Assistance provided at the college [Canteen facilities]	1	1	3	4	5	14
14	Amenities and Assistance provided at the college [Drinking water facility]	3	4	1	4	2	14
15	Amenities and Assistance provided at the college [Hostel facility]	1	0	5	4	4	14



The feedback obtained from the stakeholders was carefully studied and the following amendments are done in the infrastructure:

- Classrooms are converted into smart classrooms with Interactive display to facilitate a better teaching- learning experience.
- Wi-Fi is installed in the staffrooms, library, the internet center, office floor and in some of the labs.
- A contact is made with a house-keeping agency for regular cleaning and maintenance of washrooms and classrooms.

Collaborative quality initiatives with other institution(s)/ membership of international networks

The document containing all MoU's can be found on the following link:

A sample MoU is shown here:

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August 20, 2021	Accredited in August 20, 2024	Region Region	EACD43718

Institute Membership of IEEE digital Library:

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E/22-23/ 902				Date	6-Jan-23
Passived with thanks from	Fr. Conceicao Rodrigues	college of Eng	ineering		-
Sum of Rupees Eight Lakh	EightyEight Thousand Four	Hundred Fiv	e Only		5 los 2
By Cash/WireTrf/DD/Cheque* No.	Wire Trf			Dated	5-Jan-2
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For the Period	1-Jan-23	То	<u>31-Dec-23</u>	-	11
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## IEEE-WIE Membership:

# Receipt

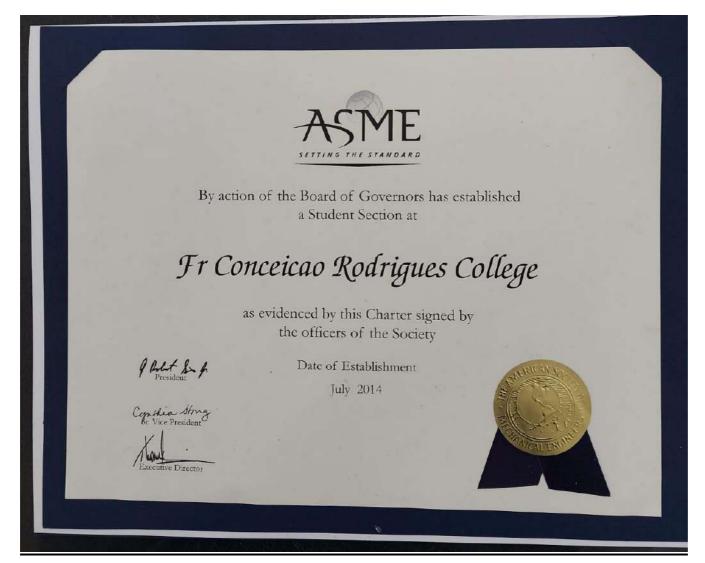
Name: Sushma Nagdeote Customer/Member number: 95441094 Order number: 1-17224595087 Order date: 11-Nov-2021 Order status: Complete Order type: Renewal

Shipping address: Fr. Conceicao Rodrigues College of Engg., Fr. Agnel Ashram, Bandstand, Mumbai, Maharashtra 400050 India

Payment: UMESH NAGDEOTE MasterCard ending in 9122 Fr. Conceicao Rodrigues College of Engg., Mumbai, 400050 India

Description	Quantity	Shipping	Product Price	Tax Rate	Tax Amount	Product Total
IEEE Women in Engineering Membership Included products - Women in Engineering Electronic Directory, IEEE Format:Electronic - Women in Engineering Magazine, IEEE Format:Print, Digital	1	N/A	\$25.00			\$25.00
IEEE Membership (electronic) Included products - Spectrum, IEEE Format:Electronic - Spectrum, IEEE Format:Digital - Potentials Magazine, IEEE Format:Electronic	1	N/A	\$55.00 (Discount applied: \$30.00)			\$55.00

## ASME MEMBERSHIP



#### **SAE MEMBERSHIP**

2/24/23, 3:53 PM



Receipt - Checkout Process - SAE International

## **Registration Confirmation**

Registration Confirmation for Sanat Pednekar participating in SAE Aero Design East .

Sanat Pednekar from Fr Conceicao Rodrigues College of Engrg has registered to participate in SAE International's SAE Aero Design East competition organized for 03/10/2023 - 03/12/2023 at Lockheed Martin Aeronautics CoLakeland, Florida, United States.

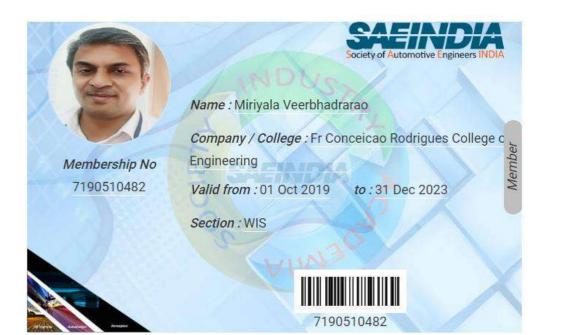
This event is part of the Official SAE Aero Design Series® which SAE International has been organizing since 1986. The competition is intended to provide undergraduate and graduate engineering students with a real-life engineering challenge. The competition has been designed to provide exposure to the kinds of situations that engineers face in their real-life work environment. It is a design competition with focus on fundamental understanding of flight where students will find themselves performing trade studies and making compromises to arrive at a design solution that will optimally meet the mission requirements while still conforming to the configuration limitations.

The cost of attending this SAE International Collegiate Design Series event, including transportation, hotel accommodations and related expenses, is entirely the responsibility of the team.

Sincerely,

Collegiate Design Series Staff in SAE International's Education Relations Department.

400 Commonwealth Drive	0	+1.724.776.4841
Warrendale, PA 15096	f	+1.724.776.0790
www.sae.org	е	customerservice@sae.org



CSI Membership:

	Education Directoral Cross Road, Taramani		
No: 7636 Date: 11   11 2032 Received with thanks from F.R.	RECEIPT	PAN : A	AATC1710F 33AAATC1710F1ZJ
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of Engineering. Mumbe a sum of Rupees Seven thou on account of New / Renewa by Gheque / DD / NEFT	Academic Instit	utional Me	AMOUNT (Rs.)

Dear Professor,

Greetings from CSI-ED.

We have processed your Application Form (Institutional Membership).

Your Institutional Membership No – M10908

CSI Current Nominating Authority							
NA - Name	Mobile No.	Email ID					
Dr.Surendra Singh Rathod	99202 28275	principal.crce@fragnel.edu.in					

CSI (	CSI Current Nominee Membership Details											
S.No	Member ID	Nominee Name	Mobile No.	Email Id	Validity							
1	F8004538	Prof.Ashwini Pansare	98215 30672	<u>ashwinip@fragnel.edu.in</u>	31.10.2023							
2	F8004539	Prof.Parshvi Zankesh Shah	97695 55662	<u>pshah@fragnel.edu.in</u>	31.10.2023							
3	F8004540	Prof.Monali Nitesh Shetty	79777 26911	<u>monali shetty@fragnel.edu.in</u>	31.10.2023							

# NATIONAL BOARD OF ACCREDITATION

NBCC Place, East Tower, 4<sup>th</sup> Floor, Bhisham Pitamah Marg, Pragati Vihar, New Delhi-110 003 Tel: +91 11 2436 0620-22, 2436 0654 ; Telefax: +91 11 4308 4903 Website: www.nbaind.org



Date: 05-03-2020

File No. 28-40-2010-NBA

To,

The Principal Fr. Conceicao Rodrigues College of Engineering, Fr. Agnel Ashram Bandstand, Bandra (W), Maharashtra-400050

Subject: Further accreditation status on the basis of Compliance Report of the program in Tier-II offered by Fr. Conceicao Rodrigues College of Engineering, Fr. Agnel Ashram Bandstand, Bandra (W), Maharashtra-400050.

Sir,

This is regarding Compliance Report submitted by Fr. Conceicao Rodrigues College of Engineering, Fr. Agnel Ashram Bandstand, Bandra (W), Maharashtra-400050 for the UG Engineering programs which were accredited by NBA in Tier-II for academic years 2017-18 to 2019-20 whose validity is expiring on 30.06.2020.

2. An Expert Team conducted data verification of the programs on 7<sup>th</sup> February, 2020. The report submitted by the Expert Team was considered by the concerned Committees constituted for the purpose in NBA. The competent authority in NBA has approved the following accreditation status to the programs as given in the table below:

SI. No.	Name of the Program(s) (UG)	Program(s) Basis of Accreditation validity		Period of validity	Remarks		
(1) (2)		(3)	(4)	(5)	(6)		
1.	Computer Engineering		Accredited	Academic Years	Accreditation status granted is valid for the period indicated in Col or till the program has approval of the		
2.	Electronics Engineering	Tier-II Document	Accredited	2020-2021 to 2022-2023 i.e. upto 30-06-2023			
3. Production Engineering			Accredited		competent authority, whichever is earlier.		

3. It may be noted that only students who graduate during the validity period of accreditation, will be deemed to have graduated with an NBA accredited degree.

4. The accreditation status awarded to the programs as indicated in the above table does not imply that the accreditation has been granted to Fr. Conceicao Rodrigues College of Engineering, Fr. Agnel Ashram Bandstand, Bandra (W), Maharashtra-400050 as a whole. As such the Institution should nowhere along with its name including on its letter head etc. write that it is accredited by NBA because it is program accreditation and not Institution accreditation. If such an instance comes to NBA's notice, this will be viewed seriously. Complete name of the program(s) accredited, level of program(s) and the period of validity of accreditation, as well as the Academic Year from which the accreditation is effective should be mentioned unambiguously whenever and wherever it is required to indicate the status of accreditation by NBA.

5. The accreditation status of the above programs is subject to change on periodic review, if needed by the NBA. It is desired that the relevant information in respect of accredited programs as indicated in the table in paragraph 2, appears on the website and information bulletin of the Institute.

6. The accreditation status awarded to the programs as indicated in table in paragraph 2 above is subject to maintenance of the current standards during the period of accreditation. If there are any changes in the status (major changes of faculty strength, organizational structure etc.), the same are required to be communicated to the NBA, with an appropriate explanatory note.

7. A copy each of Report of the Visiting Team in respect of the above programs is enclosed.

Yours faithfully,

(Dr. Anil Kumar Nassa) Member Secretary

Encls.: 1. Copy each of Report of the Visiting Team in respect of the programs.

Copy to:

- The Director of Technical Education, 3, Mahapalika Marg, Opp. Metro Cinema, Chhatrapati Shivaji Terminus Area, Mumbai, Maharashtra 400001
- The Registrar, University of Mumbai M.G. Road, Fort Mumbai-400 032,

3. Accreditation File.

4. Master Accreditation file of the State.





विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL An Autonomous Institution of the University Grants Commission

Certificate of Accreditation

The Executive Committee of the National Assessment and Accreditation Council is pleased to declare Tr. Conceicao Rodrigues College of Engineering Bandra (W), Mumbai, Dist. Mumbai Suburban, affiliated to University of Mumbai, Maharashtra as Accredited with CSPA of 3.18 on four point scale at A grade valid up to June 01, 2028

Date : June 02, 2023



Director

EC(SC)/156/1" Cycle/MHCOGN104679

#### National Institutional Ranking Framework Ministry of Education Government of India Welcome to Data Capturing System: ENGINEERING

#### Submitted Institute Data for NIRF'2023'

#### Institute Name: Fr. Conceicao Rodrigues College of Engineering [IR-E-C-33981]

#### Sanctioned (Approved) Intake

Academic Year	2021-22	2020-21	2019-20	2018-19	2017-18	2016-17
UG [4 Years Program(s)]	300	300	300	240	-	-
PG [2 Year Program(s)]	18	18	-	-	-	-

#### Total Actual Student Strength (Program(s) Offered by Your Institution)

(All programs of all years)	No. of Male Students	No. of Female Students	Total Students	Within State (Including male & female)	Outside State (Including male & female)	Outside Country (Including male & female)	Economically Backward (Including male & female)	Socially Challenged (SC+ST+OBC Including male & female)	No. of students receiving full tuition fee reimbursement from the State and Central Government	No. of students receiving full tuition fee reimbursement from Institution Funds	No. of students receiving full tuition fee reimbursement from the Private Bodies	No. of students who are not receiving full tuition fee reimbursement
UG [4 Years Program(s)]	1001	270	1271	1250	21	0	21	112	88	0	0	45
PG [2 Year Program(s)]	2	1	3	3	0	0	0	0	0	0	0	0

#### Placement & Higher Studies

#### UG [4 Years Program(s)]: Placement & higher studies for previous 3 years

Academic Year	No. of first year students intake in the year	No. of first year students admitted in the year	Academic Year	No. of students admitted through Lateral entry	Academic Year	No. of students graduating in minimum stipulated time	No. of students placed	Median salary of placed graduates(Amount in Rs.)	No. of students selected for Higher Studies
2016-17	240	259	2017-18	55	2019-20	255	123	500000(Five lakhs)	36
2017-18	240	255	2018-19	50	2020-21	282	157	450000(For Lakhs Fifty Thousand )	28
2018-19	240	223	2019-20	60	2021-22	275	162	650000(Six Lakhs Fifty Thousand)	23

#### PG [2 Years Program(s)]: Placement & higher studies for previous 3 years

Academic Year	No. of first year students intake in the year	No. of first year students admitted in the year	Academic Year	No. of students graduating in minimum stipulated time	No. of students placed	Median salary of placed graduates(Amount in Rs.)	No. of students selected for Higher Studies
2018-19	36	10	2019-20	0	0	0(Zero)	0
2019-20	18	1	2020-21	0	0	0(Zero)	0
2020-21	18	2	2021-22	0	0	0(Zero)	0

Ph.D (Student pursuing doctoral program till 2021-22 Students admitted in the academic year 2022-23 should not be entered here.)						
	Total Students					
Full Time		17				
Part Time		0				
	No. of Ph.D students graduate	ed (including Integrated Ph.D)				
	2021-22	2020-21	2019-20			
Full Time		1	0			
Part Time		0	0			

#### Financial Resources: Utilised Amount for the Capital expenditure for previous 3 years

Academic Year	2021-22	2020-21	2019-20				
	Utilised Amount	Utilised Amount	Utilised Amount				
Annual Capital Expenditure on Academic Activities and Resources (excluding expenditure on buildings)							
Library ( Books, Journals and e-Resources only)	1652165 (Sixteen lakhs Fifty Two Thousand One Hundred and Sixty Five )	1597964 (Fifteen Lakhs Ninety Seven Thousand Nine Hundred and Sixty Four )	563754 (Five Lakhs Sixty Three Thousand Seven Hundred and Fifty Four)				
New Equipment and software for Laboratories	2962565 (Twenty Nine Lakhs Sixty Two Thousand Five Hundred and Sixty Five)	322137 (Three Lakhs Twenty Two Thousand One Hundred and Thirty seven )	1115617 (Eleven Lakhs Fifteen Thousand Six Hundred and Seventeen Only)				
Engineering Workshops	1775134 (Seventeen Lakhs Seventy Five Thousand One Hundred and Thirty Four )	398524 (Three Lakhs Ninety Eight Thousand Five Hundred and Twenty four )	1399213 (Thirteen Lakhs Ninety Nine Thousand Two hundred and Thirteen Only)				
Other expenditure on creation of Capital Assets (For setting up classrooms, seminar hall, conference hall, library, Lab, Engg workshops excluding expenditure on Land and Building)	0 (Zero)	0 (Zero)	1548398 (Fifteen Lakhs Forty Eight Thousand Three Hundred and Nighty Eight)				

#### Financial Resources: Utilised Amount for the Operational expenditure for previous 3 years

Academic Year	2021-22	2020-21	2019-20					
	Utilised Amount	Utilised Amount	Utilised Amount					
Annual Operational Expenditure								
Salaries (Teaching and Non Teaching staff)	131812792 (Thirteen Crore Eighteen Lakhs Twelve Thousand Seven Hundred and Ninety Two )	112522200 (Eleven Crore Twenty Five Lakhs Twenty Two Thousand and Two Hundred )	107253986 (Ten Crore Seventy Two Lakhs Fifty Three Thousand Nine Hundred And Eighty six )					
Maintenance of Academic Infrastructure or consumables and other running expenditures(excluding maintenance of hostels and allied services,rent of the building, depreciation cost, etc)	12697582 (One Core Twenty Six Lakhs Ninety Seven Thousand Five Hundred and Eighty Two)	3983535 (Thirty Nine Lakhs Eighty Three Thousand Five Hundred and Thirty Five)	11771140 (One Crore Seventeen Lakhs Seventy One Thousand One Hundred and Forty)					
Seminars/Conferences/Workshops	358754 (Three Lakhs Fifty Eight Thousand Seven Hundred and Fifty Four )	13227 (Thirteen Thousand Two Hundred and Twenty Seven)	593520 (Five Lakh Ninety Three Thousand Five Hundred and Twenty )					

IPR

Calendar year	2021	2020	2019		
No. of Patents Published	0	1	1		
No. of Patents Granted	0	1	1		

#### Sponsored Research Details

Financial Year	2021-22	2020-21	2019-20
Total no. of Sponsored Projects	3	2	18
Total no. of Funding Agencies	33	7	19
Total Amount Received (Amount in Rupees)	1284962	189500	2871933
Amount Received in Words	Twelve Lakhs Eighty Four Thousand Nine hundred and Sixty Two Only	One Lakh Eighty Nine Thousand Five Hundred	Twenty Eight Lakhs Seventy one Thousand Nine Hundred and Thirty Three

#### **Consultancy Project Details**

Financial Year	2021-22	2020-21	2019-20	
Total no. of Consultancy Projects	0	0	4	
Total no. of Client Organizations	0	0	4	
Total Amount Received (Amount in Rupees)	0	0	911395	
Amount Received in Words	Zero	Zero	Nine Lac Elven Thousand Three Hundred and Ninety Five	

#### PCS Facilities: Facilities of physically challenged students

1. Do your institution buildings have Lifts/Ramps?	Yes, more than 80% of the buildings
2. Do your institution have provision for walking aids, including wheelchairs and transportation from one building to another for handicapped students?	Yes
3. Do your institution buildings have specially designed toilets for handicapped students?	Yes, more than 80% of the buildings

### Faculty Details

Srno	Name	Age	Designation	Gender	Qualification	Experience (In Months)	Currently working with institution?	Joining Date	Leaving Date	Association type
1	Unnikrishnan Srija	62	Professor	Female	Ph.D	478	Yes	01-03-1991		Regular
2	Lalit Prasad Narahar	43	Assistant Professor	Male	M.Sc.	238	Yes	01-07-2004		Regular
3	Miriyala Veerabhadrarao	46	Assistant Professor	Male	M.E.	278	Yes	02-01-2013		Regular
4	Nagaonkar Jagruti Santosh	41	Assistant Professor	Female	M.E.	250	Yes	28-07-2004		Regular
5	Patil Bhushan Tryambak	47	Professor	Male	Ph.D	310	Yes	01-04-2014		Regular
6	Singh Pradeep Virendra	40	Assistant Professor	Male	M.Sc.	214	Yes	17-07-2006		Regular
7	Bhangale Prajakta Kaustubh	36	Assistant Professor	Female	M.E.	154	Yes	01-04-2016		Regular
8	Bilolikar Vijay Santukrao	51	Professor	Male	Ph.D	346	Yes	14-08-1995		Regular
9	Joshi Ketaki Narendra	37	Assistant Professor	Female	Ph.D	178	Yes	02-01-2015		Regular

							1	r		11
10	Khanore Monica Tushar	50	Associate Professor	Female	M.E.	322	Yes	12-08-1997		Regular
11	Prabhu Sapna Uday	51	Professor	Female	Ph.D	354	Yes	28-12-1992		Regular
12	Parshionikar Sangeeta Ashish	44	Assistant Professor	Female	M.E.	240	Yes	09-07-2007		Regular
13	Shaikh Vasim Abdul Majid	39	Assistant Professor	Male	Ph.D	154	Yes	01-10-2015		Regular
14	Das Sunil Kumar	54	Associate Professor	Male	Ph.D	322	Yes	27-07-1999		Regular
15	Save Jagruti Ketan	49	Professor	Female	Ph.D	298	Yes	07-10-2005		Regular
16	Chaudhari Sunil Dilip	38	Assistant Professor	Male	M.Tech	154	No	20-07-2009	26-05-2022	Regular
17	Makdey Swapnali Ashish	43	Assistant Professor	Female	M.E.	274	Yes	02-01-2001		Regular
18	Pendhari Heenakausar Yusuf	49	Assistant Professor	Female	M.E.	238	Yes	22-08-2013		Regular
19	Pansare Ashwini Amit	40	Assistant Professor	Female	M.E.	214	Yes	05-07-2005		Regular
20	Hitendra Vaishnav	31	Assistant Professor	Male	M.E.	96	No	02-05-2016	01-06-2022	Regular
21	Koshti Dipali Yogesh	43	Assistant Professor	Female	M.E.	238	Yes	05-07-2005		Regular
22	Nagdeote Sushma Fattuji	44	Assistant Professor	Female	M.E.	238	Yes	05-07-2005		Regular
23	Yadav Sunil Shripat	39	Assistant Professor	Male	Ph.D	178	Yes	01-04-2013		Regular
24	Shetty Monali Nitesh	42	Assistant Professor	Female	M.Tech	238	Yes	20-02-2006		Regular
25	Singraur Deepika Singh	38	Assistant Professor	Female	M.E.	142	Yes	01-04-2014		Regular
26	Jorapur Vedavyasrao Srinivasrao	58	Associate Professor	Male	Ph.D	351	Yes	01-08-1995		Regular
27	Joseph Binsy	46	Assistant Professor	Female	M.E.	262	Yes	27-02-2006		Regular
28	Kulkarni Saurabh Keshav	34	Assistant Professor	Male	M.Tech	130	Yes	02-01-2013		Regular
29	Rane Arun Bhiva	60	Associate Professor	Male	Ph.D	466	Yes	15-02-2006		Regular
30	Bhise Dipali Kisan	37	Assistant Professor	Female	M.E.	166	Yes	02-01-2016		Regular
31	Patil Prachi Kunal	37	Assistant Professor	Female	M.E.	190	Yes	10-07-2006		Regular
32	Kallingal Narayanan	58	Associate Professor	Male	M.E.	418	Yes	27-08-1987		Regular
33	Shah Parshvi Zankesh	37	Assistant Professor	Female	M.E.	190	Yes	18-09-2006		Regular
34	Daga Brijmohan Satyanarayan	54	Associate Professor	Male	Ph.D	382	Yes	18-08-2003		Regular
35	Nair Dileep Chandra	49	Assistant Professor	Male	M.Sc.	178	Yes	22-12-1997		Regular
36	Devarakonda Sudhakar Satyasundara	58	Associate Professor	Male	M.Tech	406	Yes	01-09-1994		Regular

37	Godbole Vaibhav Vasant	45	Assistant Professor	Male	M.E.	214	Yes	26-05-1998		Regular
38	Puthiyadom Merly Thomas	53	Associate Professor	Female	M.E.	370	Yes	21-08-1996		Regular
39	Lopes Archana Pascal	41	Assistant Professor	Female	M.E.	190	Yes	07-08-2009		Regular
40	Karandikar Archana Prasad	46	Assistant Professor	Female	M.Sc.	286	No	01-08-2003	04-07-2022	Regular
41	Korgaonkar Saurabh Abhay	34	Assistant Professor	Male	M.E.	130	Yes	02-07-2012		Regular
42	Surve Sunil Krishnaji	57	Professor	Male	Ph.D	310	Yes	01-12-1986		Regular
43	Davare Sarika Manoj	44	Assistant Professor	Female	M.Tech	214	Yes	15-07-2010		Regular
44	Modi Jayen Sunil	38	Assistant Professor	Male	M.Tech	214	Yes	01-04-2014		Regular
45	Patil Shilpa Jitendra	49	Associate Professor	Female	M.E.	322	Yes	16-01-1996		Regular
46	Bhoir Deepak Vishnu	55	Professor	Male	Ph.D	394	Yes	02-05-1992		Regular
47	Khanolkar Hemant Madhav	51	Assistant Professor	Male	Ph.D	298	Yes	21-12-2000		Regular
48	Padate Roshni Suresh	44	Assistant Professor	Female	M.E.	274	Yes	05-01-2001		Regular
49	Dhamanskar Prajakta Mandar	39	Assistant Professor	Female	M.E.	166	Yes	09-07-2012		Regular
50	Deorukhkar Kalpana Prasanna	43	Assistant Professor	Female	M.E.	238	Yes	01-08-2003		Regular
51	Tarase Anant Namdeo	51	Assistant Professor	Male	M.E.	370	Yes	16-01-2012		Regular
52	Ringe Swati Mukul	51	Assistant Professor	Female	M.E.	334	Yes	11-03-2004		Regular
53	Tripathi Garima Biranchimuni	40	Assistant Professor	Female	M.E.	214	Yes	19-07-2004		Regular
54	Kamoji Supriya Shivanath	43	Assistant Professor	Female	M.E.	250	Yes	05-07-2005		Regular
55	Joseph Rodrigues	48	Assistant Professor	Male	Ph.D	272	Yes	02-05-2016		Regular
56	Wagle Kranti Kiran	44	Assistant Professor	Female	M.Tech	222	Yes	19-07-2004		Regular
57	Sujata Deshmukh	47	Associate Professor	Female	Ph.D	234	Yes	16-07-2016		Regular
58	Dipak Bauskar	37	Assistant Professor	Male	Ph.D	164	Yes	01-08-2018		Regular
59	Unik Lokhande	36	Assistant Professor	Male	M.E.	104	Yes	16-07-2018		Regular