GOA COLLEGE OF ENGINEERING, FARMAGUDI, PONDA GOA
Prospectus for Admissions to Master of Engineering (M.E.) 2021-22
CONTENTS

1. **Admission Schedule**

Sr. No	Description	Date
1)	Start date for online submission of application	20-08-2021 (Friday)
2)	Last date for online submission of application	20-09-2021 (Monday)
3)	Display of Provisional Merit List	24-09-2021 (Friday)
4)	Last date for objection/queries, if any	25-09-2021 (Saturday)
5)	Display of Final Merit List	27-09-2021(Monday)
6)	First Round of Admission	29-09-2021 (Wednesday)
7)	Second Round of Admission	08-10-2021 (Friday)
8)	Third Round of Admission	20-10-2021 (Wednesday)
9)	Spot Round of Admission	20-10-2021 (Wednesday)

Note:
a) Principal, Goa College of Engineering, reserves the right to modify the above schedule depending on prevailing exigency, if any.
b) Seats will be allotted based on the merit and as per preferences given by the candidates.
c) For confirmation of admission to the allotted program, the candidate has to mandatorily pay the fees within two days of seat allotment.

2. Introduction

Goa Engineering College(GEC), Government of Goa, is the oldest Engineering College in Goa and was established in 1967 and is affiliated to Goa University.

The campus houses 7 departments namely Civil Engineering, Mechanical Engineering, Electrical & Electronics Engineering, Electronics & Telecommunication Engineering, Computer Engineering, Information Technology and Mining Engineering. The campus also houses Student Hostels and Staff Quarters and has general amenities like Bank, Post Office, Medical facilities, Gymkhana, Transport facilities, Co-operative Society, Canteen, Central Computing and high speed Internet connectivity.

The College is situated on a nearly 264-acre campus at Farmagudi plateau which is at a distance of 4 kms from Ponda city, 26 kms from Panaji city, 21 kms from Madgaon Railway station and 33 kms from Dabolim International Airport.

Vision
A Technical Institute with a focus on excellence in Academics, Research, Industry Collaboration, and nurturing human values in students.

Mission
1. Formulate & implement curriculum that ensures high academic standards.
2. Provide infrastructure that meets academic & advanced research requirements.
3. Collaborate with national, international institutions, laboratories and industries through student and faculty exchange programs and internships.
4. Undertake consultancy projects that are relevant to the state & nation.
5. Impart human values, awareness of environment and sustainable solutions in students and faculty.
6. Nurture innovation, entrepreneurship, leadership & resource management skills.

Governing Committee
Government of Goa has set up a Governing Committee (GC) headed by the Director of Indian Institute of Technology, Bombay (IITB).The Governing Committee is responsible for overseeing the College activities, guiding the future direction, and fostering an environment in which the College Vision and Mission is achieved thereby ensuring full confidence of the stakeholders. The members of the Governing Committee with their rich experience and background guide the Goa College of Engineering from time to time to accomplish a place of eminence in the field of Technical Education.

Faculty

The faculty members are recruited through the Goa Public Service Commission as per the qualifications laid down by All India Council for Technical Education (AICTE), New Delhi. In addition to teaching, faculty members are engaged in research and consultancy activities. The College facilitates continuing education programmes, research projects and refresher & MOOCS courses. Faculty members are also encouraged to pursue higher studies. The details of the departments and the Faculty members is as given at Annexure –A and Annexure - B respectively.

3. Distribution of Seats

Sr. No	Name of course	Duration	Intake
1)	M.E. (Foundation Engineering)-*Full Time*	2 years	18*
2)	M.E. (Structural Engineering) - *Full time*	2 years	18*
3)	M.E. (Industrial Engineering) –*Part Time*	3 years	18*
4)	M.E. (Power & Energy Engineering)- *Full time*	2 years	18*
5)	M.E. (Microelectronics) – *Full Time*	2 years	15*
6)	M.E. (Electronics Communication & Instrumentation)-*Full Time*	2 years	15*
7)	M.E. (Industrial Automation & Radio Frequency Engineering)- *Full Time*	2 years	18*
8)	M.E. (Computer Science & Engineering)- *Full time*	2 years	18*
9)	M.E. (Information Technology & Engineering)-*Full time*	2 years	18*

Supernumerary quota of additional two seats in each Program for the Economically Weaker Section (EWS) students.

Last date for online submission of Application Form along with the application fee is 20-09-2021.

4. Eligibility for Admission

Nationality

The applicant must be a citizen of India.

Qualifications

i) Bachelor of Engineering of minimum 4 years duration of Goa University or any other degree of University/Institution recognized as equivalent to the Bachelor of Engineering degree of Goa University (including AMIE, AMICE and IETE subject to notification by AICTE vide Advt. no. P&AP/10(04)/2017). The eligibility for appropriate ME Program is as per the table below:

Sr. No.	Master of Engineering Degree	Qualifying Bachelor of Engineering Degree
1)	Foundation Engineering / Structural Engineering	Civil Engineering
2)	Industrial Engineering	Any branch of Engineering
3)	Power & Energy Engineering	Electrical Engineering / Electrical & Electronics Engineering / Electronics & Telecommunication Engineering / Electronics & Communication Engineering/ Electronic Communication Engineering /Electronic Engineering / Instrumentation & Control Engineering/Control Engineering/ Instrumentation Engineering / Bio-medical Electronics/ Process Control/ Industrial Electronics/ Power Electronics/Power System Engineering / Power Engineering
4)	Microelectronics/ Electronic Communication & Instrumentation/ Industrial Automation & Radio Frequency Engineering	Electronics & Telecommunication Engineering / Electronics & Communication Engineering/ Electronic Communication/Electronic Engineering /Electrical Engineering / Electrical & Electronics Engineering / Information Technology/ Computer Engineering /Computer Science & Engineering/ Instrumentation Engineering / Electronic

		Instrumentation/ Instrumentation &Control/Bio-medical Electronics/ Process Control Engineering / Instrumentation & Control Engineering/Control Engineering/ Industrial Electronics/ Power Electronics /Biomedical Engineering
5)	Computer Science & Engineering	Computer Engineering/Computer Science & Engineering/Electronic & Telecommunication Engineering/ Electrical & Electronic Engineering/ Information Technology/Information Science & Engineering
6)	Information Technology & Engineering	Computer Engineering/Computer Science & Engineering/Electronic & Telecommunication Engineering/ Electrical & Electronic Engineering/ Information Technology

ii) Candidates with qualifying degrees other than Goa University shall be provisionally admitted to the respective ME program subject to submission of Provisional Eligibility Certificate issued by the Goa University.

iii) Candidates having any other degree not specified in the above list shall apply for issue of Provisional Eligibility Certificate to the Goa University. Such cases shall be decided by Goa University. Such candidate(s) shall be provisionally admitted to the respective ME program, subject to submission of Provisional Eligibility Certificate.

5. General Rules of Admission

Following are the general rules of admission for the M.E. Programs

i)   The applicants desirous of admission must comply with the provisions of this prospectus.

ii)   The application form for the admission is available on the college website www.gec.ac.in.

iii)   Candidates shall submit online application form together with scanned copies of all required documents and fees on or before 20/09/2021.

iv)   The candidate applying for more than one P.G. Course (Foundation Engineering, Structural Engineering, Industrial Engineering, Power & Energy Engineering, Microelectronics, Electronic Communication and Instrumentation, Industrial Automation and Radio Frequency Engineering, Computer Science & Engineering, Information Technology & Engineering) shall select appropriate choices in the online form.

v)   Merit list shall be prepared for admissions to all M.E. programs, in all Groups.

vi)   The merit list / seat allotment list shall be displayed at 4.30 pm on the designated date.

vii)   After the first round of admission, the candidate may change the order of preference if desired.

viii)   For seats remaining vacant after the 3rd round of admission, a spot round of admission may be conducted.

ix)   If the number of candidates allotted for any program is less than five, then the Principal, Goa College of Engineering reserves the right to decide whether to admit any students for that program for that year or not. In circumstances when the mandatory number of students are not admitted for a particular program, their all fees shall be returned.

x)   Principal, Goa College of Engineering, reserves the right to modify the schedule of admission, depending upon the prevailing exigency if any.

xi)   No correspondence shall be entertained from the candidates regarding the selection.

xii)   The selected candidates shall file affidavits online on Anti- Ragging atwww.amanmovement.org/ *or* www.antiragging.in/ *and submit signed* ANTI RAGGING undertaking by Students and Parents in the Institute.

Intimation of Provisional Selection/Waiting list of Admission

i) The applications in the prescribed form received for admission will be scrutinized in terms of the provisions in the prospectus. The Merit list of the eligible candidates shall be displayed on the College website (www.gec.ac.in).

ii) The candidates are advised to refer to the schedule of admission process as notified on the College website (www.gec.ac.in) from time to time.

iii) If a candidate fails to confirm her/his seat as per the schedule, or is found to be ineligible as a result of scrutiny of her/ his certificates, the allotted seat shall be cancelled and the same will be allotted to the next eligible candidate in the waiting list.

Cancellation of Admission

i) Incomplete Applications or applications without supporting documents (as required) shall be summarily rejected.

ii) Any candidate who is allotted a seat must pay the prescribed fees in time. The admission shall be treated complete only after the submission of original documents and payment of full fees, failing which the admission shall be cancelled.

iii) Admission offered to a candidate shall be cancelled at any time if Goa University declares that the candidate is not eligible for the admission.

iv) If a candidate fails to join the college within fifteen days from the date of commencement of academic term, or remains absent for more than fifteen days, without prior permission, the Principal reserves the right to cancel her/his admission.

v) If any information furnished by the candidate in connection with her/his admission is found to be incorrect, at any point in time, the admission of such candidate will be cancelled and fees paid by the candidate shall be forfeited. The decision of the college in this matter shall be final.

Provisional Eligibility Certificate/ Migration Certificate

The candidates who have passed the qualifying examination from University other than the Goa University and seeking admission to M.E. Program shall have to submit a provisional eligibility certificate from the Registrar, Goa University along with their online application for admission, without which the application is liable to be rejected. Such candidates are also required to submit Migration Certificate.

Detailed instructions regarding provisional eligibility certificate can be obtained from the Registrar, Goa University, Taleigao plateau, Goa.

Documents and Certificates

Candidates are required to upload scanned copies of the following documents along with the online application:

i)   Bachelor's Degree in engineering or equivalent Passing certificate.

ii)   Marks sheets of final year examinations.

iii)   Provisional Eligibility Certificate from Goa University (if applicable).

iv)   Migration Certificate (if applicable).

v)   Valid Gate Score Card (if any).

vi)   SC/ST Certificate for Group IV (Annexure – 1)

vii)   OBC Certificate for Group V (Annexure – 2)

viii)   Person with disability Certificate from GMC for Group VI

ix)   Sponsorship Certificate for Group II (Annexure – 3)

x)   Experience Certificate for part time course (Annexure – 4)

xi)   EWS Certificate (if applicable) (Annexure – 5)

xii)   Undertaking by Student (Annexure - 6)

xiii)   Undertaking by Parent/Guardian (Annexure - 7)

6. Group Wise Seat Allotment

Sr. No.	Group	Details	No. of Seats
1)	Group I	Students passing B. E. Exam under Goa University#	04/05* seats
2)	Group II	Sponsored Candidates	02 seats
3)	Group III	Students passing B.E. Exam of any University (General)	02 seats
4)	Group IV	Candidates belonging to SC/ST of Goa	02/03* seats
5)	Group V	Candidates belonging to OBC of Goa	04/05* seats
6)	Group VI	Persons with disabilities from Goa	01 seats

For courses with intake of 18
Students passing B. E. Exam from Goa college of Engineering (under Bombay University) prior to establishment of Goa University.

Supernumerary quota of additional two seats in each Program for the Economically Weaker Section (EWS) students.

Rules for Group Wise allotment

i) The candidates applying for Group I, IV, V and VI should possess B.E. Degree from Goa University#.

ii) The candidates applying for Group II should possess a certificate indicating that they are employed for a minimum period of six months (Annexure - 3).

iii) All the candidates with the qualifying Degree from any other University are considered in Group III (General).

iv) The candidates applying for Group IV should submit SC/ST Certificate (Annexure - 1).

v) The candidates applying for Group V should submit OBC Certificate (Annexure - 2).

vi) The candidates applying for Group VI must produce a certificate from the Medical Board of GMC regarding disability.

vii) The Formats for the respective certificates / undertaking as per Annexure -1 to Annexure – 7.

viii) Candidates with AMIE/AMICE / IETE certificate are eligible for admission in all the Groups except Group I, provided they submit the appropriate certificate required for the respective Group & subject to notification by AICTE vide Advt. no. P&AP/10(04)/2017.

ix) Any seat remaining unfilled in any Group, shall be first transferred to Group I. If there are no eligible candidates remaining in Group I, then seats remaining shall be transferred to Group III.

x) Minimum of 50% at Qualifying examinations (last two semesters) (45% in case of reserved category, ST/SC/OBC) or equivalent CPI of 5.5 should be secured by the candidates. In case of candidates with AMIE/AMICE certificate, minimum of 50% of marks should be secured in Section B.

xi) Certificate of Minimum two years full time work experience in a registered firm/Company or Government/Autonomous/ Aided / Private Organisation or Institution in the relevant field is required to be submitted for admission to part time course.

xii) The merit list will be based on the valid GATE score.
   a) If GATE scores are equal, then candidates with higher percentage of aggregate marks in the final year (last two semesters) of B.E. Degree shall be placed higher in the merit list.
   b) If the percentages of aggregate marks in the final year (last two semesters) of B.E. Degree are equal, then the candidate with a higher percentage of aggregate marks of all semesters of B.E. Degree shall be placed higher in the merit list.

xiii) If any seats remain vacant in any of the category after considering the candidates with GATE score, merit for the remaining seats shall be decided based on the percentage of aggregate marks secured in the final year (last two semesters) of B.E. Degree. In case of candidates with AMIE/AMICE certificate, the percentage of marks secured in Section B shall be considered for deciding the merit.

a) If the percentages of aggregate marks in the final year (last two semesters) of B.E. Degree are equal, then the candidate with a higher percentage of aggregate marks of all semesters of B.E. Degree shall be placed higher in the merit list.

b) In case of candidates with AMIE/AMICE certificate, the percentage of marks secured in Section B are equal, then the candidate with higher percentage of marks secured in Section A shall be placed higher in the merit list.

xiv) In all the above cases, for candidates possessing valid GATE Score and B.E. results are not declared as on date of admission, the admission of such candidates shall be purely provisional. Such candidates shall be allowed only to attend the classes, till the time their results are declared. The provisional admission will be confirmed only when such candidates are declared to have passed their BE Exams.

xv) At the time of such provisional admissions, the candidate will have to pay full fees, as applicable. If a candidate becomes ineligible after the declaration of BE results, the refund of fees shall be made as per the prescribed rules.

xvi) Seats remaining vacant in any of the category shall be allotted to candidates whose final year BE result were awaited. Merit for such seats shall be decided based on the percentage of aggregate marks secured in the final year (last two semesters) of B.E. Degree once declared.

xvii) Seats still remaining vacant after considering B.E./AMIE candidates as per point (a) to (j) shall be allotted to the candidates having Degree from Open Universities, subject to recognition of the Degree by the AICTE for post graduate studies.

xviii) When the final year B.E. marks are provided in Grade points, then they shall be converted to percentage by the formula provided by concerned University. The following formula shall be used to compute the percentage when the formula is not provided by concerned University:

Average Percentage of Marks: (CGPA – 0.5) x 10.

Reservation for Economically Weaker Sections (EWS)

Government has approved implementation of reservation for Economically Weaker Sections (EWS) for admissions to Professional courses.

These seats can be availed by candidates not covered under scheme of reservation for SC, ST and OBC, and whose family has gross annual income below Rs. 8.00 lakhs, and fulfil other specified criteria in O.M. No. 36039/1/2019-Estt.(Res) dated 31/01/2019, issued by DOPT, Ministry of Personnel, Public Grievances and Pensions, Govt. of India, as follows:

i)   The term 'family' for this purpose will include the person (applicant) who seeks the benefit of reservation, his/her parents and siblings below the age of 18 years, as also his/her spouse and children below age of 18.

ii)   The income shall include income from all sources i.e. salary, agriculture, business, profession etc. for the financial year prior to the year of application i.e. for the year20-21.

iii) Persons, whose family owns or possesses any of the following assets shall be excluded from being identified as EWS, irrespective of family income:
      a)   05 acres of agricultural land and above.
      b)   Residential flat of 1000 sq. ft. and above.
      c)   Residential plot of 100 sq. yards and above in notified Municipalities.
      d)   Residential plot of 200 sq. yards and above in areas other than the notified Municipalities.

iv)   The property held by a family in different locations or different places/cities would be clubbed while applying the land or property holding criteria to determine EWS status.

Applicants wishing to avail admissions to seats reserved for EWS are required to produce Income and Assets Certificate in specified format(Annexure - 5), issued by Mamlatdar of concerned Taluka along with the online application.

Seats reserved for EWS shall be offered to eligible candidates from General Category Merit lists, not covered by SC, ST and OBC reservation.

7. Details of Fees* and Refund

Prescribed fees as shown in the following Table shall be deposited in the college by the student to confirm admission after the seat allotment.

Sr. No.	Description	Amount Per Year/Semester	Total Amount
1)	Admission Fee (one time only)	Rs. 2500/-(Non - refundable)	**Rs. 2500/-**
College Fees			
2)	Tuition Fee	Rs 20000/- per semester	**Rs. 28500/-**
3)	Development Fee	Rs 6225/- per semester	
4)	Gymkhana Fee	Rs 150/- per semester	
5)	Annual Social Gathering	Rs 100/- per year	
6)	Students Aid Fund	Rs 150/- per year	
7)	Magazine Fee	Rs 150/- per year	
8)	Group Insurance Fee	Rs 125/- per year	
9)	Identity Card	Rs 100/-(One time)	
Deposits			
10)	Library Deposit	Rs. 750/- Refundable	
11)	Caution Money Deposit	Rs 750/- Refundable	
Hostel fees			
1)	Hostel Rent	Rs. 3000/- per semester	**Rs. 6500/-**
2)	Hostel Maintenance Fee	Rs. 2500/- per semester	
3)	Hostel Deposit	Rs. 1000/- Refundable	

*College fees and deposits are indicative in nature considering the present Covid-19 pandemic. The regulatory authorities and Govt. of Goa may revise the same from time to time.

Students requiring hostel accommodation need to apply to Hostel Warden in the specified format. Students need to pay the Hostel fees to confirm accommodation.

All Fees will have to be paid online.

Account details and online payment link will be provided by the college at the time of admission rounds

Refund of Fees

a) If a student cancels the admission by written application addressed to the Principal on or before 19th October 2021, then all fees paid by a student at the time of admission shall be refunded to her/him after deducting Rs 1000/- (One thousand only) as processing charges.

b) If a student cancels the admission by written application addressed to Principal, after 19th October 2021 and the vacated seat is consequently filled by another student by the last date of admission, i.e.20th October 2021, then all fees paid by a student at the time of admission shall be refunded to her/him after deducting Rs 1000/- (One thousand only) as processing charges.

c) If a student cancels the admission by written application addressed to Principal, after 19th October 2021 and the seat falling vacant due to the cancellation of the admission does not get filled, then Caution Money Deposits, Library Deposits, Hostel Deposits if paid, will be refunded to the candidate. No other fees shall be refunded.

d) There shall be no refund of fees for cancellation of admission, for those students who have taken admission during last round of admission. i.e. on 20th October 2021

e) Admission fee of Rs. 2500/- shall not be refunded under any circumstances.

NOTE:

a) Due to prevailing Covid-19 pandemic situation, cancellation of admission & refund of fees shall be governed by the provisions of the circular issued by AICTE/regulatory authorities/Government of Goa, from time to time.

b) No additional fees are applicable in case of change of program within the College.

c) Prescribed examination fees and its refund are subject to the rules of Goa University from time to time.

Refund of Deposits

Caution money deposit, Hostel deposit and Library deposit shall be refundable to a student on receipt of an application along with original fee receipt within six months of declaration of result of the respective examination by the University. The refund will be subject to the recovery of dues towards breakage, loss, damage, etc of the College property. All other fees are non-refundable.

8. Academic Term and Examinations

The duration of all full time ME Programs is 2 Years (4 Semesters) and the only Part time M.E. in Industrial Engineering is 3 Years (6 Semesters). The academic term will be announced as and when notified by the Goa University.

Goa University conducts examinations at the end of every semester as per its rules and regulations. Students appearing for the examinations have to pay the prescribed examination fees.

9. Conduct Rules

Goa University Ordinances regarding attendance, conduct, discipline, and rules for keeping of terms by the students shall be followed.

i) Class work such as laboratory journals, workshop practices are also counted towards the University results. Principal of the college shall be the competent authority not to forward the candidate's application for the University Examination, in case her/ his performance is not found to be satisfactory.

ii) Principal reserves the right to remove the name of any student from the rolls for failure to pay the College or hostel dues in time.

iii) Use of mobile phones in the Academic Area (class rooms, corridors of Main Building and Departmental buildings, laboratories, library, Academic section and offices) is restricted. Phones will be confiscated if rules are violated.

Hostel Rules

i) Hostel accommodation to PG students is subject to availability. Currently due to the COVID -19pandemic situations, hostel facility is restricted.

ii) Admission to the hostel and allocation of rooms is left to the discretion of the Chairman of Councils of Warden /Hostel Superintendent. No student shall be admitted to the Hostel, unless she/he has paid the hostel fees, and deposit.

iii) Outsiders are not allowed to stay in the hostels except for social visits during the day time and under no circumstance after 7:00 pm.

iv) Residents shall maintain discipline and cleanliness in the hostel premises and shall be held responsible for any damage to the hostel property and appropriate cost towards the same, shall be recovered from her/him in the manner as directed by the Principal.

v) Any student not showing satisfactory progress at the College examination is liable to forfeit the place in the hostel.

vi) The Hostel facility will be provided only for two years of the academic term of ME program. Students shall vacate and hand over the possession of the allotted rooms every year at the end of even semester examinations in view of the maintenance works of the hostels to be carried out by PWD.

vii) Any contravention to these rules shall render student concerned to be expelled from the hostel and Principal's decision in this regard shall be final.

viii) **Ragging in any form will result in instant expulsion of student /s responsible.**

ix) Re- allotment of hostel accommodation for a fresh term shall be done only if a student has vacated the allotment in previous term in time and eligible to attend semester.

Annexure – A

Details of the Departments

Civil Engineering Department
The Department of Civil Engineering (CED), Goa College of Engineering provides a broad-based educational experience in the various arrays of civil engineering that is firmly founded upon science, mathematics, and the humanities. The CED encourages basic learning, research, and the contemporary problems of technology and civil engineering society at large. The Department emphasizes the skills of problem-solving, ethics, teamwork, communications, and management while providing multidisciplinary design experiences to prepare graduates for the challenges of the profession. The department encourage service to the engineering profession and society by all faculty and students. The Department promotes sustainability and embraces technology by encompassing technology as per the AICTE syllabus.

The CED offers degree programs in civil engineering and PG programs in Structural Engg. and Foundation Engg. The Department's research programs focus on the areas of environmental and water resources engineering, geotechnical engineering, structural engineering,

The Department's ICI, IEI, IGBC, IGS students Chapters, and IPA- institutional Memberships are active. Students' projects are mostly industry oriented. We dedicate a semester as an internship with local consultants and Govt. organizations at the PG level. The PG course runs with its fullest capacity right from its inception.

Civil engineering students pursuing an educational program at CED have a great opportunity to learn from a spectacular well-rounded faculty, interact with a wonderful student body, and prepare for an exciting professional career.

Mechanical Engineering Department
Mechanical Engineering Department was established in the year 1967.It is approved by AICTE and affiliated to Goa University. The Department offers a full-fledged Under-Graduate program in Mechanical Engineering. It offers a Post Graduate Program in Industrial Engineering affiliated to University. It is also recognised as a PhD research centre. The department is well equipped with spacious lecture halls, seminar hall, laboratories, computer centre and a full-fledged workshop. The department has well qualified, experienced and dedicated faculty with active research involvement. The department has local chapter of Indian Institution of Industrial Engineering, Mechanical Engineering Students' Association and ISHRAE students' chapter which are actively involved in organising and participating in various international and national level technical events. This department owing to its strength of state-of-the-art infrastructure, experienced teachers, effective

teaching–learning process and good placement record becomes obvious choice for top-ranking students.

- Highly qualified and experienced faculty.
- Alumni have been working at senior positions
  - ➢ in industries in Goa such as Goa Shipyard Ltd.-Vasco, Mormugao Port Trust- Mormugao, Zuari Industries Ltd. -Sancoale, Deccan Fine Chemicals - Corlim, Siemens-Verna, MacBrout Engg. Pvt. Ltd.- Margao, MRF ltd. -Usgao, CommScope-Verna, CG Power and Industrial Solutions Limited-Bethora and Kundaim, Lift Controls Private Limited-Khandepar, Godrej & Boyce Mfg Co. Ltd.-Madkai., Pentair Water India Pvt. Ltd., Verna.
  - ➢ in various departments under Government of Goa.
  - ➢ in Engineering colleges and Polytechnics in the state.
- Alumni also successfully run their own business enterprises.
- The Post Graduate degree is eligible for PhD admissions in Centrally Funded Institutions like IISC, IIT, NIT, Central and State Universities.
- Well equipped laboratories with software's like Isograph, Minitab, MATLAB.
- Seminar, Project and Dissertation work involves application of state-of-the-art Industrial Engineering techniques at the work place of the student.
- Research outcomes are published in International journals or presented in International conferences.

Electrical & Electronics Engineering Department
Electrical & Electronics Department is one of the oldest departments in the college established in the year 1967. It is approved by AICTE and affiliated to Goa University. The Department offers a full-fledged Under-Graduate program in Electrical & Electronics Engineering. It also offers a Post Graduate Program in Power & Energy Systems affiliated to Goa University. It is also recognised as a PhD research centre. The department has its spacious building housing lecture halls, seminar hall, laboratories, and computer centre. The department has well qualified, experienced and dedicated faculty with active research involvement.
 The following are key features of the department.
- Highly qualified, experienced and motivated faculty.
- Well equipped Laboratories having state of art equipment's like Power Analysers,   variable frequency drives, Thermal Camera, Matrix Convertor to mention a few.
- Alumni are holding key positions in Goa Electricity Department and other Government institutions and various major Industries in Goa like, Zuari Agro chemicals, Siemens, Bosch, Lupin Laboratories, Nestle etc
- Faculties and research scholars publish research outcomes in International journals and conferences.

Electronics & Telecommunication Engineering Department

Established in the year 1983 , the department offers a full-fledged Under-Graduate program in E&TC Engineering and 3 Post Graduate Programs in Microelectronics ,Electronics Communication & Instrumentation and Industrial Automation & RF approved by AICTE and affiliated to Goa University.

The following are the salient features of the department

- Recognised as a PhD research centre in 2014.
- 8 PhD scholars presently registered.
- A strong Industry linkage with over 20 companies offering Placements, Internships and apprenticeship to Students.
- Highly Qualified and Experienced Faculty.
- Well equipped facilities in VLSI design, Embedded systems, Parallel Processing & GPGPU's, Communication Engineering, Microwave, RF, EMI/EMC, Antenna Design & Instrumentation.
- Research Paper Publications in Reputed SCI/SCOPUS Journals & International Conferences by Faculty & Students like IEEE communications surveys & tutorials, IEEE Transactions on Vehicular Technology, IET Communications, IEEE Transactions on Electron Devices, Elsevier Optik, IETE Journal of Research, Springer Optical and Quantum Electronics.
- Faculty Development Programs under ATAL Academy, Workshops & Seminars organised regularly
- Association of E&TC Students (ASSETS) for Co-curricular & Extra Curricular Activities
- IEEE students Chapter & IETE students forum .
- Active Subscription to IEEE Xplore & ScienceDirect Elsevier Journals

Computer Engineering Department

The Department of Computer Engineering was established in 1989 and currently offers an undergraduate programme for Degree in Computer Engineering and a postgraduate programme in Computer Science and Engineering (2011). It is recognized as a research centre by Goa University (2015). The Department is housed in an independent spacious ground plus one building on G.E.C campus at Farmagudi, Goa. Recently an annexure building is added with state of art facility.

- State-of-the-art facilities
- Well-equipped Laboratories
- Adequate classrooms
- Department library
- Research areas: Networks, Databases, Theoretical Computer Science, Machine Learning, Artificial Intelligence, Image processing, Software Engineering, Data Mining
- Innovative practices like Student Counselling, Mini Project Exhibition, Visiting Village Schools, Promotion of Internship, Encouraging

Entrepreneurship, Organizing National level Conference, Organizing Workshops, Seminars, Talks and Involving alumni in curriculum development, project selection, industry internship and examination yielded very good results.

Information Technology Department

The Information Technology department was established in the year 2001 with an intake of 60 students with a goal to impart high quality knowledge and skills to students in the field of Information Technology, motivate research, encourage industry consultancy projects and nurture human values and life skills. Till date we have 17 successful batches graduated from our department.

The following are the key features of the department

- The department is well equipped with 11 professional laboratories, high tech seminar/ conference room, Incubation Centre and an independent department library.
- The department has 14 well qualified faculty members with expertise in various fields of Information Technology and specialized in the fields of Natural Language Processing, Cryptography, Artificial Intelligence, Data Mining, Image Processing, Networking, Cloud Computing, etc.
- The department also offers a Post Graduate program in Information Technology and Engineering. We have 02 successful batches that have post graduated from our department and are being placed.
- The department organizes various technical events under ITCEP (Information Technology Continuing education Programme).

Annexure – B

Details of College Faculty Members

Department of Civil Engineering

Sr. No.	Names of Faculty	Areas of Interest
1	Dr. K. G. Guptha, HOD	Environmental, Geotechnical Engg. & Concrete Technology
2	Dr. Purnanand Savoikar	Geotechnical Engg.
3	Dr. A. K. S Bhaduria	Environmental Engg.
4	Dr. Ulhas G. Sawaikar	Environmental Engg.
5	Dr. Ganesh Narayan Hegde	Structural Engg. Earthquake Engg. Structural Health Monitoring
6	Prof. Wilma Fernandes	Geotechnical Engg.
7	Prof. H.S. Prassanakumar	Geotechnical Engg.
8	Dr. NishaNaik	Geotechnical Engg.
9	Prof. Vikas Chodankar	Structural Engineering
10	Dr. Sumitra Khandolkar	Geotechnical Engg.
11	Prof. Smita Aldonkar	Geotechnical Engg.
12	Prof. Guruvendra Velip	Structural Engineering
13	Prof. Madhuraj Naik	Structural Engineering

Department of Mechanical Engineering

Sr. No.	Names of Faculty	Areas of Interest
1.	Dr. Vinay A. Shirodkar, HOD	Operations Research, Engineering. Statistics, Industrial Engineering.
2.	Dr. Rajesh Prabhu Gaonkar	Industrial Engineering, CAD/CAM, Reliability Engineering, Multi attribute Decision Making
3.	Dr. Akshay Vithal Nigalye	Design Engineering., FEM
4	Dr. Suraj S. Rane	Quality & Reliability Engineering, Six Sigma Management, Maintenance Engineering, Industrial Engineering
5	Flt. Lt. Bindurao R. Kulkarni	Thermal Engineering
6	Prof. Milind Sakhardande	Industrial Engineering, Reliability Engineering., supply Chain Mgt
7	Dr. Mahesh Dhawalikar	Industrial Engineering, Operations Management
8	Dr. B. S. Manohar	Fluid Mechanics Mechatronics
9	Prof. Vivek Belokar	Thermal Engineering, Industrial Engineering
10	Prof. Gajesh G. S. Usgaonkar	Engineering Graphics, Hydraulics, Industrial Engineering, Engineering Measurements and Metrology
11	Dr. Shridhar Mhalsekar	Industrial Engineering, Fluid Mechanics
12	Dr. Jagannath Hirkude	Thermal Engineering
13	Prof. Balkrishna Chodankar	Thermal Energy & Energy Conversion
14	Prof. Mahesh Caisucar	Theory of Machines, Engineering Graphics, Fluid Power Control Mechatronics, Operations Research, Industrial Engineering
15	Dr. Raghavendra Naik,	Design Engineering, FEM, Applied Thermodynamics
16	Prof. Harichandra U. Chandekar	CAD/CAE, Composite Materials

Department of Electrical & Electronics Engineering

Sr. No	Name of the faculty	Areas of Interest
1	Dr. G. R. Kunkolienkar, HOD	Electromagnetics
2	Dr. V. N. Shet	Power Factor Correction, Power Quality
3	Dr. Anant J. Naik	Renewable Energy, Power electronics Applications in Renewable energy, Power Quality
4	Prof. Sangeeta Mahadalkar	Microelectronics
5	Prof. Suneeta Raykar	Microprocessor, Microcontroller, Neural and Fuzzy Logic, Basic Electronics, DIC, LIC
6	Dr. Naraina A.	Power Electronics, Renewable energy, Power Systems
7	Prof. Jayeshkumar Priolkar	Energy Management, Renewable Energy
8	Prof. Sonali Pandit	Control systems
9	Prof. Noah Dias	Electrical Power system, Energy Management, Electrical Machines
10	Prof. Aditi Desai	Renewable energy
11	Prof. Nilesh Borkar	Control system Engineering, Illumination Engineering, Energy conservation techniques
12	Prof. Ankita A Kanekar	Microelectronics, Electrical Machines, VLSI, FPGA, Electrical Power systems
13	Prof. Sneha Phadte	Microelectronics, Electrical Machines, VLSI, FPGA, Electrical Power systems

Department of Electronics & Telecommunication Engineering

Sr.No.	Names of Faculty	Areas of Interest
1.	Dr. Hassanali G. Virani, HOD	Micro-Electronics
2.	Dr. Rajesh B. Lohani	Electronic Devices
3.	Dr. Ameeta G. Sinai Amonkar	VLSI
4.	Dr. Nitesh B. Guinde	Micro-Electronics & Parallel Processing
5.	Prof. NayanaShenvi	Embedded System& Parallel Processing
6.	Prof. Chetan Desai	RF & Microwave Engineering, Parallel Processing
7.	Dr. Shajahan Kutty	Communication Engineering
8.	Prof. Amita Dessai	Communication & Instrumentation
9.	Prof. Sonia Kuwelkar	Micro-Electronics
10.	Dr. Samarth Borker	Signal & Image Processing
11	Prof. Milind Fernandes	Robotics, RF and Communication
12.	Prof. Devendra Sutar	Micro-Electronics, Embedded System & Instrumentation
13.	Prof. Sangam Borkar	Speech Processing, RF and Microwave Engineering
14.	Prof. Purti Savardekar	Communication & Instrumentation
15.	Prof. Geeta Shet	Microelectronics
16.	Prof. Palhavi Kerkar	Microelectronics

Department of Computer Engineering

Sr. No.	Name of Faculty	Areas of Specialization
1	Dr.Jayapura Ananthiah Laxminarayana , HOD	Machine Learning, Pattern Recognition
2	Prof. Umesh A. Bapat	Software Engineering, DBMS, Data Mining
3	Prof. Maruska F.C Mascarenhas	Algorithms, Distributed System, Theory of Computation, Web Technologies
4	Prof. Vineet Jain	Computer Networking, Web Technology, DBMS
5	Prof. Manisha Babuso NaikGaonkar	Databases, Data Structures, Web Technologies, Architectures
6	Prof. Nagraj S Vernekar	Networking, Architectures
7	Prof. NiteshNaik	Cloud Computing, Web Security, Service Oriented Architecture, Computer Graphics, Computer Architecture and Security
8	Prof. Rachel Dhanaraj	Computer Graphics and Database System
9	Dr. Gajanan Gawde	Data Mining, Machine Learning
10	Prof. Melina Afonso	Database Systems & Data Networks
11	Prof. Sherica Menezes	Data Science and knowledge Discovery, Data Structures and Algorithms, Web Technology, Programming Languages; C, C++ and Java
12	Prof. Amit Patil	Natural language processing, Data Mining & Soft Computing
13	Prof. Teslin J. Jacob	Software Engineering & Data Structures
14	Prof. Shruti Gurudas Naik	Data Mining, Operating System

Department of Information Technology

Sr. No.	Name of Faculty	Areas of Specialization
1.	Dr. Nilesh B. FalDessai, HOD	Speech Technology, Natural Language Processing, Soft Computing, Genetic Algorithm
2.	Dr. Aisha Fernandes	Software Engineering and Security
3.	Prof. Vaishali Shirodkar	Database Management Systems, Data Mining
3.	Prof. Ganesh V. Manerkar	Computer Networks
4.	Prof. Deepali M. Raikar	Compilers, Operation Research
5.	Prof. Siddhi P. Naik	Data Mining, Image Processing, Cryptography
6.	Prof. Mario Pinto	Data Mining, Operating System
7.	Prof. Megha Nayak	Cloud Computing, Cryptography
8.	Prof. Nadine Dias	Database Systems, Web Technology
9.	Prof. Amogh Sanzgiri	Intelligent Agent, Data Mining, Soft Computing
10.	Prof. Soniya Usgaonkar	Computer Graphics, Data Mining
11	Mr. Bipin Naik	Web Technology, Data structures
12	Ms. Aparna Rane	Compilers, Databases, computer organization
13	Ms. Diana Miranda	Machine Learning, Natural Language Processing

Annexure – C
Important Contacts

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23.	Sexual Harassment at workplace	**Prof. Maruska F.C. Mascarenhas** Computer Engineering Dept. GEC. Ph:2336358/9822135943 Email:- maruskha@gec.ac.in

M. E Admission Committee- 2021-22

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Dr. Aisha Fernandes	Member
Prof. Hari Chandekar	Member
Dr. Gajanan Gawde	Member
Prof. Jayesh Priolker	Member
Prof. Dr. Ganesh Hegde	Member Secretary
Mr. Ketan Naik	Asst. Member Secretary