



2023 ADMISSION



www.gec.ac.in

INFORMATION Brochure

for new student registration at GEC

↓ B.E. programs ↓



Goa College of Engineering

Affiliated to Goa University

"Bhausahab Bandodkar Technical Education Complex"
Farmagudi, - Ponda - Goa. 403401

2023 Admission

B.E. programs
Affiliated to Goa University

To our new **Students**

Dear Students,

I am glad to share with you that the B.E programs in Civil, Mechanical, Electrical & Electronics, Electronics & Telecommunication, Information Technology, Computer Engineering of Goa College of Engineering have been accredited by the National Board of Accreditation (NBA). GEC is the only engineering institution in Goa with such an achievement.

Engineering education in the past few years is undergoing a gradual change for the better. Moving from marks based assessment to credit based assessment, opportunity to study inter-disciplinary courses, on-line and additional credit based courses leading to 'honors' and 'minor' degrees. Industrial internship and soft skill training provides students with life-long learning.

Nearly 60+ companies from different parts of India, visit GEC, and more than 250+ on-campus job-offers are made and accepted by final year students.

Committed and highly qualified faculty and staff of the college combined with well-equipped laboratories ensure overall growth of the students (academic, co-curricular and extra-curricular activities).

The large campus and hostel facilities for both boys and girls ensure less travel and more on-campus life. Government, Industries and NGOs offer scholarships for students. Large alumni network provides opportunity for students to seek on-line / off-line guidance from seniors.

Overall, students of GEC have an 'enriching' experience.
Welcome to Goa College of Engineering.....



Dr. M. S. Krupashankara
Principal

Goa College of Engineering
Farmagudi, Ponda-Goa 403 401
Ph. : 0832-2336301 / 306
Email : ppl@gec.ac.in

VISION

A TECHNICAL INSTITUTE WITH A FOCUS ON EXCELLENCE IN ACADEMICS, RESEARCH, INDUSTRY COLLABORATION AND NURTURING HUMAN VALUES IN STUDENTS.

MISSION

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



STRATEGIC HIGHLIGHTS

We feel very happy to be known as an Institution that is gearing to become one of the finest in the Country, in the field of Engineering. While we are aware of our social responsibility as educators, we also aim at instilling the same spirit of service in our students.



INFRASTRUCTURE & FACILITIES

To achieve our goals of excellence in technical education, we are equipped with the state-of-the art infrastructure facilities furnished class rooms, computer labs and other laboratories. On-campus facilities such as Hostels, Bank, Playground, Canteen, Shopping Complex, Post-Office, Students Co-operative Society are also available. GEC-Library was awarded the "Best Library" for the year 2020-2021 in the State of Goa.



OPERATING HIGHLIGHTS

At Goa College of Engineering, students are encouraged to participate in an extensive array of opportunities which exist beyond the classroom. Our excellent team ensure that every student is guided and cared. The College conducts a range of event from social awareness to national cultural exchange programs to impact life skill and global competencies to students. GEC is the nodal center for the national programs on 'Ek Bharat Shreshtha Bharat' Our students have visited Jamshedpur and Mandi as part of this program.

Registration Procedure

After admission at Directorate of Technical Education, Goa visit the following website <https://gecis.gec.ac.in> Kindly follow the instructions mentioned on the web page. Students shall signup, fill the student information form, generate the acknowledgment card and carry the same for registration at College. The schedule for registration will be notified by Directorate of Technical Education, Goa.

Also visit <https://www.antiragging.in> and complete online anti ragging undertaking and print the undertaking form. You need to submit above forms to Goa College of Engineering for enrolment to first semester of Engineering. Also you need to submit all the relevant marks cards & documents mentioned in the online application form.

Documents required at registration counter for enrolment

1. Printed acknowledgment card generated from <https://gecis.gec.ac.in>
2. Copy of admit card issued by DTE.
3. Copies of SSC & XII Mark sheets.
4. Copy of the anti ragging undertaking form generated and submitted online by the student duly signed by the student.
5. Copy of the anti ragging undertaking form generated and submitted online by parent/gaurdian and duly signed by parent/gaurdian and concerned student.
6. Two colored recent passport size photographs.
7. Original Eligibility certificate issued by Goa University (only for students passing 12th std. from other than Goa Board).

The New Identity Card with ROLL NUMBER will be issued to the students by the Academic Section only after the final round of admission

When you visit GEC

For new student registration please follow these sequence of steps

- 1 Please collect token for registration at Academic Section, GEC. & visit payment counter for payment.
- 2 Visit document checking counter at Academic Section for verifying documents & new student registration forms
- 3 At registration counter check your data being entered correctly in the database and obtain registration slip.
- 4 To complete the registration process, enter your details in the register and sign.

Contact for Admission Related Clarifications

Dr. Anant Naik

Prof. In-charge (Academic)
0832 - 2336306

Mr. Ketan Naik

Assistant Registrar (Academic)
0832 - 2336506
e-mail : acad@gec.ac.in

GEC HELP LINE FOR ADMISSION

0832-2336306



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Attending Lectures

The students are required to attend lectures/practicals /tutorials regularly and obtain a minimum of 75 % cumulative attendance, which is an essential condition for appearing in the semester end examinations. Those who fail to obtain 75% attendance have to repeat the whole semester again in the next academic year. The completion of prescribed WORKSHOP practices/ PRACTICALS is an essential condition for promoting Students to higher semester. For any examination and academic related matters you can visit Goa University Website and in particular ordinance OC10b(BE) and OC 11a (ME).

The REGISTRATION NUMBER issued to students during enrolment will be used to record attendance by the faculty members till permanent roll numbers are issued. The class time table will be displayed on main building NOTICE BOARD/GEC Website www.gec.ac.in Please update yourself by regularly visiting the GEC website.



Important Notices to Students and Parents

- All the financial transactions e.g semester fee, examination fee, hostel mess fee and registration fees are being done online.
- All Students while on GEC campus are insured under group insurance scheme (New India Assurance Co. Ltd. & Union Bank of India) for Rs.2,00,000/-
- Obtaining 75% cumulative attendance is compulsory for appearing in semester end examinations.
- Possession and use of alcohol and illegal drugs and smoking products are prohibited in the campus.

DETAILS OF FEES

FEES FOR COURSES

Fees Payable in Govt. Institutions (Indian Rupees)

1. Admission Fee (one time only)	Rs. 1700/-
2. Tuition Fee (Per Semester)	Rs. 36000/-
3. Development Fee (Per Semester)	Rs. 8000/-
4. Gymkhana Fees (Per Term)	Rs. 100/-
5. Annual Social Gathering (Yearly)	Rs. 100/-
6. Student Aid Fund (Yearly)	Rs. 50/-
7. Magazine Fee (Yearly)	Rs. 100/-
8. Identity Card (One Time)	Rs. 50/-
9. Insurance Fee	Rs. 100/-
10. Bus Fare (Per Semester)	Rs. 300/-

1. Library Fee / Deposit (Refundable)	Rs, 750/-
2. Caution Money (Refundable)	Rs. 750/-



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Uniform Details

Boys:

Aqua Green Shirt - Full sleeve/half sleeve
and Dark Peacock Green pant.

Girls:

Aqua Green Shirt - Full sleeve/half sleeve
and Dark Peacock Green pant or chudidar with
Aqua Green top and Dark Peacock Green pant
and Dark Peacock Green dupatta.

All first year students are hereby
informed to wear uniform while
in the college campus.

GO AHEAD,

Help for filling online anti ragging form

For filling the online anti-ragging form, students are required to visit the website <https://www.antiragging.in> and submit anti-ragging undertaking form online.

After submission student gets email with attachment of duly submitted undertaking form of both student and parent. The student need to carry all the relevant marks sheets card along with duly filled anti-ragging undertaking forms of both student and parent to the registration counter at GEC

1. Visit <https://www.antiragging.in>
2. Fill online undertaking form.

Data for online form filling

1. State in which college is : Goa
2. Is it a professional college : Yes
3. Name of the college : Goa College of Engineering
4. Name of the affiliated university : Goa University
5. Is it deemed university : No
6. Director/Principal family Name : Mysore
7. Director/Principal first Name : Dr. Krupashankara
8. Director/Principal gender : Male
9. College phone number 0832-2336301
0832-2336302
10. Nearest police station : Ponda, Near SBI, Ponda-Goa.

Don't "Rag" Don't be mute witness to "RAGGING"

What is "Ragging" ?

- Mental/Physical/Sexual Abuse
- Verbal abuse
- Indecent behavior
- Criminal intimidation/wrongful restraint
- Undermining human dignity
- Financial exploitation/Extortion
- Use of force

Each of the above is criminal offense

Student indulging in ragging can be

- Expelled from the Institution
- Banned from the mess/hostel
- His/her scholarship can be withdrawn
- Debarred from the examinations
- Denied admission to any Institution
- Prosecuted for criminal action
- Institution have been asked to file FIR with the local police against those who RAG/ABET ragging

Data for student details

- Undergraduate /Post Graduate : For BE it is undergraduate, for ME it is post graduate.
- Name of the Course : WRITE YOUR admitted BRANCH e.g. Civil Engg., Mechanical Engg. etc.
- Your Registration /Enrolment No. : Registration Number you received after registering online at www.gec.ac.in
- How many students are in your class - 60
Year of study - 01

**"Ragging is a punishable offence"
with imprisonment & Fine as per Act !**

REPORT RAGGING

FIRST YEAR ENGINEERING COURSE (Common to all the branches)

SCHEME OF INSTRUCTION AND EXAMINATION (REVISED COURSE 2019-2020)

SEMESTER - I

Course Code	Nomenclature of the Course	Scheme of Instruction Hrs/Week			Scheme of Examination						
		L	T	P#	Duration (Hrs)	Marks					CREDIT
						Th	IA	TW	P/O	TOTAL	
FE110	Mathematics-I	3	1	-	3	100	25	25	-	150	4
FE120	Physics/Chemistry	3	-	-	3	100	25	-	-	125	3
FE130	Basic Electrical & Electronics Engineering	3	-	-	3	100	25	-	-	125	3
FE140	Basics of Mechanical Engineering	3	-	-	3	100	25	-	-	125	3
FE150	Physics/Chemistry Laboratory	-	-	2	-	-	-	25	-	25	1
FE160	Electrical & Electronics Laboratory	-	-	2	-	-	-	25	-	25	1
FE170	Workshop-I	-	-	2	-	-	-	50	-	50	1
AC180	Environmental Science	2	-	-	-	-	-	-	-	-	-
TOTAL		14	1	6	--	400	100	125	--	625	16

A candidate is considered to have successfully fulfilled the requirement of a semester, provided he/ she submits to the department a certified journal reporting the experiments conducted during the semester.

LEGEND

Abbreviation	Description
L	Lecture
T	Tutorial
P	Practical
O	Oral
Th	Theory
TW	Term Work
IA	Internal Assessment

FIRST YEAR ENGINEERING COURSE (Common to all the branches)
SCHEME OF INSTRUCTION AND EXAMINATION (REVISED COURSE 2019-2020)

SEMESTER - II

Course Code	Nomenclature of the Course	Scheme of Instruction Hrs/Week			Scheme of Examination							
		L	T	P#	Duration (Hrs)	Marks					CREDIT	
						Th	IA	TW	P/O	TOTAL		
FE210	Mathematics-II	3	1	-	3	100	25	25	-	150	4	
FE220	Physics/Chemistry	3	-	-	3	100	25	-	-	125	3	
FE230	Computer Programming	3	-	-	3	100	25	-	-	125	3	
FE240	Introduction to Civil Engineering	3	-	-	3	100	25	-	-	125	3	
FE250	Physics/Chemistry Laboratory	-	-	2	-	-	-	25	-	25	1	
FE260	Programming Laboratory	-	-	2	-	-	-	25	-	25	1	
FE270	Engineering Graphics	1	-	2	-	-	-	100	-	100	2	
FE280	Workshop-II	-	-	2	-	-	-	50	-	50	1	
TOTAL		14	1	8	--	400	100	125	--	625	18	

A candidate is considered to have successfully fulfilled the requirement of a semester, provided he/ she submits to the department a certified journal reporting the experiments conducted during the semester.

LEGEND

Abbreviation	Description
L	Lecture
T	Tutorial
P	Practical
O	Oral
Th	Theory
TW	Term Work
IA	Internal Assessment

Academic Term for the Academic Year 2023-24

Programme	Academic Calendar /Terms for the Academic Year 2023-24										
	FIRST SEMESTER/TERM			Date of Declaration of Result	SECOND SEMESTER/TERM			Date of Declaration of Result	VACATION / BREAK		
	Commencement	End	Commencement of Examination		Commencement	End	Commencement of Examination		Type of Vacation/break	From	To
B.E. (Sem I to Sem VIII Courses)	31.07.2023	25.11.2023	05.12.2023	05.02.2024	22.01.2024	11.05.2024	20.05.2024	20.07.2024	Chaturthi Break	18.09.2023	23.09.2023
									Christmas Break	23.12.2023	30.12.2023
M.E. (First Year Sem I)	04.09.2023	13.01.2024	22.01.2024	22.03.2024	12.02.2024	01.06.2024	19.06.2024	19.08.2024	Chaturthi Break	18.09.2023	23.09.2023
									Christmas Break	23.12.2023	30.12.2023
M.E. (Second Year Sem III Onwards)	31.07.2023	25.11.2023	05.12.2023	05.02.2024	22.01.2024	11.05.2024	20.05.2024	20.07.2024	Chaturthi Break	18.09.2023	23.09.2023
									Christmas Break	23.12.2023	30.12.2023

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B.E. programs
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COURSES & PROGRAMS



B.E. Degree

Bachelor of Engineering programs

Name of courses	Duration	Intake
1. Civil Engineering	4 years	60
2. Mechanical Engineering	4 years	60
3. Electrical & Electronics Engineering	4 years	60
4. Computer Engineering	4 years	60
5. Electronics & Telecommunication Engineering	4 years	60
6. Information Technology	4 years	60
7. Mining Engineering	4 years	30
8. Electronics (VLSI Design & Technology)	4 years	60

****Additional intake of Govt. of India quota, AICTE- TFWS & PMSSS, EWS**

Ph.D. Degree

Doctor of Philosophy in Engineering

Goa College of Engineering is recognized as Research Center under Goa University. The affiliation to Ph.D programs in Civil, Mechanical, Electrical & Electronics and Electronics & Telecommunication Engineering are recognized from the academic year 2014-15 onwards.

A candidate interested to join Ph.D program is required to attend entrance examination conducted by the Goa University. The selection process is completely managed by Goa University.

In addition to above courses training programs & short term certificate courses are conducted by all departments.

M.E. Degree

Master of Engineering programs

Name of courses	Dept.	Duration	Intake
1. Foundation Engineering	Civil Engg.	2 years	18
2. Industrial Engineering (Part Time)	Mech. Engg.	3 years	18
3. Power & Energy Engineering	E&E Engg.	2 years	18
4. Computer Science Engineering	Comp. Scie	2 years	18
5. Electronic Communication & Instrumentation Engineering	ETC Engg.	2 years	15
6. Industrial Automation & Radio Frequency Engineering	ETC Engg.	2 years	18
7. Microelectronics	ETC Engg.	2 years	15
8. Structural Engineering	Civil Engg.	2 years	18
9. Information Technology and Engineering	Info. tech.	2 years	18

Refer www.gec.ac.in for Course scheme & syllabus for B.E. & M.E. Programs

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NBA accredited DEPARTMENT OF Civil Engineering

The Civil Engineering Department of Goa College of Engineering was established in the year 1967. The journey of 55 years of the department has added a lot more to the history of the college. The department is accredited by NBA. The department runs 4 years UG program in Civil Engg., Two PG programmes in Foundation and Structural Engg, and Ph. D program. The department is an approved research centre of Goa University. Around 72 students are admitted to UG program through GCET merit as per admission criteria approved by Government. 20 PG students in Foundation Engg and 20 in Structural Engg are admitted every year. The department has highest number of approved PhD's guides. Around 20 research scholars are working in the department.



Special Features and Facilities

- AICTE approved courses, Goa university recognised Research centre for PhD programs
- Testing and consultancy services
- Department has signed 13 MOU's with industry which includes Indian Plumbing Association (IPA), Water Resource Department (WRD), National Highway Authority of India (NHA).
- Department is also active in having student chapters of ICI, FSAI, IGS, BIS, and other professional bodies.
- Department provides platform to showcase all activities related to students, faculty, alumni, industry, invited resource personnel and several other interactive programmes.

VISION

To impart high quality knowledge and skills to students in the field of Civil Engineering, encourage research, industry collaboration, consultancy and nurture human values and life skills.

MISSION

M1: Impart knowledge and skill based training in Civil Engineering and allied fields.

M2: Promote research and industrial collaboration and consultancy

M3: Inculcate leadership qualities, human values, concerns for environment and society

M4: Nurture innovation, smart concepts, entrepreneurship and resource management and life skills

Laboratories

1. Surveying and Geomatics Lab
2. Concrete Technology Lab
3. Highway Engineering Lab
4. Hydraulics and Fluid Mechanics Lab
5. Geology
6. Advanced Geology Technical Lab
7. Rock Mechanics
8. Environmental Engineering Lab
9. Building Material Lab
10. Structural Engineering Lab





ASSOCIATION OF CIVIL ENGINEERING STUDENTS (ACES)

Association of Civil Engineering Students (ACES) is completing its long journey of 30 years in Goa Engineering College, Farmagudi. ACES was the first of its kind technical students association formed in the State with the aim to provide a platform for the students to organize technical events and keep them abreast with the latest developments in the industry and establish a solid industry-institute interaction. ACES lived up to this expectation and came up with flying colors adding feathers after feathers in its cap, finally culminating into the well known, most popular and highly successful technical extravaganza "Pratikriya" and "Alumni Nite". The ACES flagship event of inviting popular book author to deliver keynote and interact with our students.



Events

INSTALLATION OF GEC STANDARDS CLUB

GEC has formed Standards Clubs in association with BIS to provide learning opportunities for students on standardisation and appreciate the significance of quality consciousness. The objective is to impart knowledge to the mentors who would sensitize students on the impact of standards in life. The installation ceremony of the GEC Standards Club - BIS was set up at Goa College of Engineering, Farmagudi on 29th June 2022.

INSTALLATION OF THE IGS-GOIA STUDENT CHAPTER

The IGS-Goia student chapter was installed on 18th June 2022 at the Civil Engineering Department, Goa college of Engineering. The IGS - Goa Chapter is very active since 2016 and is constantly organizing various events like the victor De Mello Goa lecture series, the women Symposium in Geotechnics, and seminar series on geotechnical Engineering for Infrastructure development, and many more.

Faculty

Dr. K.G. Gupta
Professor & HOD

Dr. A. K. S. Bhaduria
Professor

Dr. Purnanand Savoikar
Professor

Dr. Ulhas G. Sawaiker
Professor

Dr. Ganesh Hegde
Professor

Dr. Nisha Naik
Professor

Dr. Sumitra S. Kandolkar
Professor

Prof. Wilma Fernandes
Assoc. Professor

Prof. Vikas Chodankar
Assoc. Professor

Prof. H.S.Prasanna Kumar
Assoc. Professor

Prof. Smita Aldonkar
Asst. Professor

Prof. Gurusvendra Velip
Asst. Professor

Prof. Madhuraj Naik
Asst. Professor

HOD : Dr. K. G. Gupta

Ph: 0832-2336311/310 | email:kgg@gec.ac.in

DEPARTMENT OF Mechanical Engineering

The Department of Mechanical Engineering at Goa Engineering College was established in the year 1967. The department offers full time four-year undergraduate programme (B. E. in Mechanical Engineering) and part time three-year postgraduate programme (M. E. in Industrial Engineering). Department is the only recognised PhD research centre in Mechanical Engineering under Goa University. The department of Mechanical Engineering was accredited by National Board of Accreditation in Sept. 2022 for a period of 3 years. Department has 15 faculty members with 12 possessing PhD degree and one is pursuing PhD. Distinguished alumni of the department occupy senior positions in leading firms, both within India and abroad. Students of Mechanical Engineering have also successfully competed and brought laurels to institute in various examinations at national and international levels including GATE, GRE, etc. The department regularly organizes workshops in various domains of engineering under the banner of ATAL-FDP, ISTE, IIIE, ISHRAE for faculty, students as well as industry.

VISION

Impart high quality knowledge & skills to students in the field of mechanical engineering, encourage research, industry based projects leading to consultancy & nurture human values and life skills

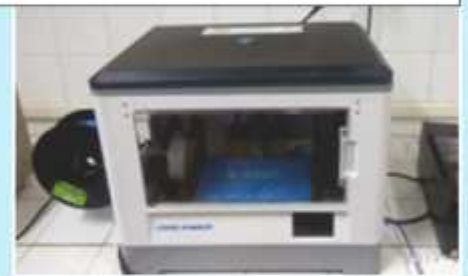
MISSION

M1: Impart knowledge and skill based training in mechanical engineering and allied fields

M2: Promote research and industry based projects

M3: Inculcate leadership qualities, human values, concern for environment and society

M4: Nurture innovation, entrepreneurship and resource management and life skills



SPECIAL EQUIPMENT

- Refrigeration Test Rig, Air-conditioning Test Rig, Thermoelectric Heat pump, Vortex tube Refrigerator, Ice Plant setup.
- Universal Testing Machine, Rockwell cum Brinell hardness testing Machine, Torsion Testing Machine, Impact Testing Machine, Fatigue Testing Machine, Erichsen Cupping Tester.
- Losses in pipe friction apparatus, Losses in pipe fitting apparatus, Calibration of nozzle meter apparatus, Determination of metacentric height of ship model apparatus, Determination of centre of pressure apparatus.
- Pin on Disc Friction & Wear Tester, Surface Roughness Tester, Vernier Calipers, Micrometer screw gauges, Optical Bevel Protractor, Surface plate, Sine bar, Load cells setup, Strain gauge, Pressure gauge, Dial gauges with magnetic stand.
- Softwares: MINITAB, MATLAB, ISOGRAPH, GPSS
- Vickers Hydraulic Trainer, Siemens PLC, Electro hydraulics setup, Electro pneumatics setup, PID control setup, Control valve setup, Automation studio.
- Four-cylinder four stroke diesel engine, Four cylinder four stroke petrol engine, Single cylinder four stroke diesel engine, Exhaust gas analyzer.
- Universal vibration apparatus, Cam analysis machine, Universal governor apparatus, Epicyclic gear train, Motorised gyroscope, Journal bearing apparatus, Static and dynamic balancing machine, Coriolis component of acceleration, Vibration Testing Setup.
- Pelton Wheel Turbine Test Rig, Francis Turbine Test Rig, Kaplan Turbine Test Rig, Reciprocating Pump Test Rig, Centrifugal Pump Test Rig, Gear Pump Test Rig, Vane Pump Test Rig, Air Compressor Test Rig, Air Blower Test Rig.
- Critical Heat Flux Apparatus, Heat Transfer in Forced Convection, Thermal Conductivity Apparatus, Sigma Heat Transfer from a Pin-Fin, Parallel Flow Counter Flow Heat Exchanger, Heat Transfer in Natural Convection, Emissivity Measurement Apparatus.

Student Chapters

- Mechanical Engineering Students' Association (MESA)
- ISHRAE Students Chapter
- Association of Industrial Engineering



Laboratories

1. Automobile Engineering
2. Heat and Mass Transfer
3. Material Testing
4. Dynamics of Machinery
5. Fluid Mechanics
6. CAD/CAM
7. Gas Dynamics & Turbomachinery
8. IC Engines
9. Refrigeration & Air Conditioning
10. Industrial Engineering
11. Metrology
12. Mechatronics
13. Computer Centre

Highlights of the department

- Availability of spacious classrooms, laboratories, auditorium, etc
- Students and faculty have secured many project grants from Department of Science and Technology, Government of Goa.
- Faculty are on the review panel of many publishers of reputed International Journals.
- Students and Faculty have published research articles in various International journals that are indexed in Scopus, SCImago, Web of Science, etc.
- Four candidates have successfully defended their PhD work and 13 PhD scholars are currently registered with the department.
- Department has signed MOU with five Industries to promote Industry Institute Interactions.
- Alumni of the department are occupying senior positions in major Industries/Government offices.



Faculty

Dr. Suraj S. Rane

Professor and Head

Dr. Rajesh Prabhu Gaonkar

Professor (On deputation to IIT Goa)

Dr. Vinay A. Shirodkar

Professor

Dr. Akshay V. Nigalve

Professor

Dr. Mahesh Dhawalikar

Professor

Dr. Jagannath Hirkude

Professor

Flt. Lt. B. R. Kulkarni

Associate Professor

Dr. Milind J. Sakhardande

Associate Professor

Dr. B S Manohar Shankar

Associate Professor

Prof. Vivek Belokar

Associate Professor

Prof. Gajesh G. S. Usgaonkar

Associate Professor

Dr. Shridhar D. Mhalsekar

Associate Professor

Dr. Mahesh Caisucar

Associate Professor

Dr. Raghavendra D. Naik

Asst. Professor

Dr. Hari Chandekar

Asst. Professor

WORKSHOP SECTION

Dr. Akshay V. Nigalve,

Additional charge of
Workshop Superintendent

Prof. Balkrishna M. Chodankar

Assistant Workshop Superintendent

HOD: Dr. Suraj S. Rane

Ph: 0832-2336429 | email: ssr@gec.ac.in

2023 Admission

B.E. programs
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NBA accredited DEPARTMENT OF Electrical & Electronics Engineering

ABOUT

Electrical Engineering Department was established in the year 1967 with the inception of the institute with intake strength of 30 which was increased to 60 in the year 2001 considering the growth prospects and preference from the student community. It is one of the highly sorted courses among the student community of Goa and other states. Electrical Engineering Department was renamed as Electrical & Electronics Engineering in 2001. It is approved by AICTE and permanently affiliated to Goa University and is the only department in state of Goa to offer Undergraduate (B.E.), Postgraduate (M.E. in Power and Energy Systems) and P.hD Program in Electrical and Electronics Engineering. The enrollment of the students for the UG course is exemplary over the years. The students from this department tops the university rankings in academics as well as extracurricular activities.

The department has a strong industry linkage with various reputed companies offers Placements, Internships and apprenticeship to the students. Students are always encouraged to do research-oriented project works which involves analysis, design, development and investigation using modern tools which benefits the research community, society, environment and promotes sustainability. Department organizes various activities so as to foster the holistic growth in domains such as startups, entrepreneurship, ethical community living and to be a job creator so as to serve the society. Our students have won the awards and accolades for the projects at the national level organized by the reputed institutes.

Department has eminent Entrepreneurs in the various domains as its alumni. Our alumni have served and are serving at senior most positions in Central and State Governments. Our alumni have represented the country in sports and has won the laurels at the international level.

As a give back to the Alma matter, our Alumni has donated state of art VFD kit for hands on laboratory experience for academic and research avenues. The department has an excellent infrastructure with independent spacious building equipped with sufficient classrooms, tutorial rooms, seminar room, and faculty cabins.

VISION

Impart high quality knowledge and skills to students in the field of Electrical & Electronics Engineering, encourage research, industry interaction & nurture human values and life skills

MISSION

- M1: Impart knowledge and skill based training in Electrical & Electronics Engineering.
- M2: Promote research and industrial interaction.
- M3: Inculcate leadership qualities, human values, concerns for environment and society.
- M4: Nurture innovation, entrepreneurship and resource management and life skills.

It has well equipped laboratory facilities in Electrical Machines, Power Electronics, Control Engineering, Embedded systems, Power & Energy Simulations. Government of Goa under the aegis of department of Science and Technology provides financial support for the developmental activities. The Department has well qualified, experienced and dedicated faculty with active research involvement. It has excellent faculty retention with average teaching experience of 22 years and the average age of faculty in the department is around 45 years. The faculties are involved at various institute level and state level activities. Faculties takes up various activities related to awareness in areas of energy conservation, electrical safety, and promotion of renewable energy resources as a part of giving back to the community.

The E& E department was accredited for 2 years w.e.f. 18-09-2013 by National Board of Accreditation. Furthermore, the NBA committee had visited in first week of July 2022, and the department is accredited by NBA for three years. Department encourages the field visits for practical oriented subjects, industrial tours for better understanding of the concepts. The Department has a student association ENEXSA which organizes various State level technical competitions, workshops and seminars.



ENEXSA is the students council of the Electrical and Electronics Department of Goa College of Engineering, Farmagudi - Goa. The association is formed in the year 2012, the council aims at the betterment of the students as well as the department.

ENEXSA aims to arrange quality workshops and seminar for the benefit and awareness of the students. It also organizes field trips and industrial visits to provide exposure to the students for future projects.

Faculty

Dr. Vinayak N. Shet

Professor

Dr. Govind R. Kunkolienker

HOD & Professor

Dr. Anant J. Naik

Professor

Dr. Sangeeta L. Mahaddalkar

Assoc. Professor

Dr. Suneeta Sadanand Raykar

Assoc. Professor

Prof. Nilesh Waman Shenvi Borkar

Assoc. Professor

Dr. Sonali Dattatraya Pandit

Assoc. Professor

Prof. Jayeshkumar G. Priolkar

Assoc. Professor

Dr. Naraina Avudayappan

Assoc. Professor

Dr. Samarth B. Borker

Assoc. Professor

Prof. Noah Dias

Asst. Professor

Prof. Aditi Atul Desai

Asst. Professor

Prof. Ankita Kanekar

Asst. Professor

Prof. Sneha Phadate

Asst. Professor

HOD Dr. G. R. Kunkolienkar

Ph: 0832-2336330/331 | email: grk@gec.ac.in

2023 Admission

B.E. programs
Affiliated to Goa University

NBA accredited

DEPARTMENT OF Electronics & Telecommunication Engineering

Electronics and Telecommunication Engineering Department was established in the year 1983. The Department offers full-fledged Under-Graduate programs in **Electronics & Telecommunication (E&TC) Engineering, and Electronics Engineering (VLSI Design & Technology)** with emphasis on Robotics, Embedded Systems, Wireless Communications, Microwave & RF Engineering, VLSI Technology, Artificial Neural Networks and Signal Processing.

It also offers three Post-Graduate programs in Microelectronics, Electronic Communication & Instrumentation, and Industrial Automation & Radio Frequency Engg. The department also hosts professional bodies including the IEEE Student Branch, IETE Goa Sub-Center and the Association of E&TC Engineering Students.

Important Equipment & Special Apparatus

- Kuka Industrial Robot
- Software Defined Radio
- Modular type PLC Trainer
- Vector Network Analyzer
- Optical Network Analysis System
- Cisco Networking System
- D-Link ISDN Training System
- Microprocessor Development System with modules (8085,8086,8088,6502,68000)
- OTDR, Splicing Machine & Fiber Characterization Kit
- IX INFINITI PRO BL1200, Logic Analyzer
- Universal Electronics Test Bench
- XILINX & ALTERA FPGA Boards (Zed Board, Micro Zed)
- Bio-medical Electronics Trainer Kits
- Consumer Electronics Systems
- Analog & Digital Communication Trainer Systems
- Tesla, Nvidia GPU Systems
- Intel Neural Compute Sticks
- Optical Spectrum Analyzer
- MATLAB Software
- Netsim Software
- Optisystem Software
- IE3D Antenna Design Suite
- FEKO EM Simulation Software

VISION

To set high academic standards in the field of Electronics & Telecommunication Engineering, encourage research, industry collaborations & nurture human values and life skills.

MISSION

- M1: Impart knowledge and skill based training in Electronic & Telecommunication engineering and allied fields
- M2: Promote research and industrial collaborations
- M3: Inculcate leadership qualities, human values, concerns for environment and society.
- M4: Nurture innovation, entrepreneurship, resource management and life skills and a strong partnership with Engineering community



Laboratories

1. Integrated Electronics Laboratory
2. Communication Engineering Laboratory
3. Signal Processing Laboratory
4. Project Laboratory
5. Computer Center
6. Microprocessor and Embedded Systems Lab.
7. Electronics Devices & Circuits Laboratory
8. Microwave and RF Engineering Laboratory
9. Industrial Automation Laboratory
10. Robotics Laboratory
11. Advanced Communication Engineering Lab.
12. VLSI Laboratory
13. Basic Electronics Laboratory
14. Biomedical Instrumentation Laboratory
15. Computer Networks and IoT Lab.
16. Industrial Robotics Laboratory

IEEE Students Branch

The IEEE Student Branch was started in 2012 and is housed in the Electronics & Telecommunication Engineering Department. The members of the student branch are actively involved in organizing various workshops, field visits, conferences and seminars regularly.

IETE Sub-Center

The E&TC Department at Goa Engineering College is the sub-center of IETE, Goa Chapter. The Department has its own IETE Students Forum. This chapter organises technical talks, workshops, competitions for facilitating co-curricular and skill development of students



Association of Electronics & Telecommunications Engineering Students

ASSETS is a non-profit organization managed by students of the E&TC Engineering Department. It aims at holistic development of students, and provides a platform for promoting technology through training, showcasing creativity and nurturing soft skills for lifelong learning.

Faculty

Dr. Hasanali G. Virani,
HOD & Professor

Dr. Rajesh B. Lohani
Professor

Dr. Ameeta G. Sinai Amonkar
Professor

Dr. Nitesh B. Guinde
Professor

Prof. Nayana Shenvi
Assoc. Professor

Prof. Chetan Desai
Assoc. Professor

Dr. Shajahan Kutty
Assoc. Professor

Prof. Amita Dessai
Assoc. Professor

Prof. Sonia Kuwelkar
Assoc. Professor

Prof. Milind Fernandes
Asst. Professor

Prof. Devendra Sutar
Asst. Professor

Prof. Sangam Borkar
Asst. Professor

Prof. Purni Savardekar
Asst. Professor

Prof. Geeta Shet
Asst. Professor

Prof. Palhavi Kerkar
Asst. Professor



HOD. Dr. Hasanali G. Virani

Ph.: 0832-2336341 | E-mail: virani@gec.ac.in

2023 Admission

B.E. programs
Affiliated to Goa University

NBA accredited

DEPARTMENT OF Computer Engineering

The Department of Computer Engineering was started in the year 1988 and committed to providing a rigorous educational experience that prepares students for further study and successful careers. The department aims at producing qualified engineers in the areas of Programming, System software, embedded systems and Machine Learning. Summer training, industrial visits and projects are carefully planned for the students to remain updated with the technology trends. The department offers a four-year Bachelor's Degree Program in Computer Engineering and Post Graduate degree in Computer Science and Engineering. The department has a blend of experienced and young faculty members who also work as mentors to equally diligent, hardworking and intelligent students.

VISION

Impart high quality knowledge & skills to students in the field of Computer engineering, encourage research, innovation to cater industrial demands and societal needs & nurture human values and life skills.

MISSION

- M1: Impart knowledge and skill based training in both theoretical and applied foundations of Computer engineering and allied fields.
- M2: Create highly skilled computer engineers, capable of doing research and develop solutions for the betterment of the nation.
- M3: Inculcate leadership qualities, human values, concerns for environment and society
- M4: Nurture innovation, entrepreneurship and resource management and life skills.

LABORATORIES

1. Computer Centre Lab
2. Systems Software Lab
3. Fundamentals Lab
4. Linux Lab
5. Network Lab
6. Microprocessor Lab
7. Image Processing Lab
8. Post Graduation Lab
9. Analog Digital Lab
10. Computer Graphics Lab
11. Research & Development Lab

SPECIAL EQUIPMENT

The Department provides state of the art computing facilities to the students. Some of the major research areas which the faculty members and students working on are Networks, Database, Theoretical Computer Science, Multimedia, Image Processing, Software Engineering and Data Mining

1. Wireless Sensor Network development Boards
2. Benchmark I Securit Experimental Platform
3. Digital / Analog Trainers and accessories
4. Dell Optiplex 9020 Computers
5. Dell Optiplex 330 Core 2 Duo Computers
6. HP 280 G3 MT I5 7th Generation Computers
7. HOR 21P Digital HD camera
8. HP 280 G3 MT I5 7th Generation Computers
9. Managed/Unmanaged Network Switches, Routers
10. Digital Storage Oscilloscope and Fun Generators



ASSOCIATION OF COMPUTER ENGINEERING STUDENTS CURSOR: STUDENT COUNCIL OF COMPUTER ENGINEERING DEPARTMENT

The Computer Engineering Students Organization (CURSOR) was formed with the aim to further enhance the knowledge and awareness in the field of Computers through meetings, discussions, seminars, technical events, quizzes and the like, to create a spirit of brotherhood and cooperation amongst the members of the Association, also to develop leadership and to inculcate a sense of responsibility amongst the members of the Association. The Association organizes several workshops and invites talks on trending topics in the field of Computer Engineering. The students participate in technical events at inter-department, Inter-college, state and national level as well as the annual inter-department cultural competition TANDAV and have won laurels for the department.

GEC COMPUTER SOCIETY OF INDIA (CSI) –STUDENTS CHAPTER

The Computer Society of India(CSI) student branch started in the 2012-2013 academic year. It has been organizing technical workshops on various areas in Computer Engineering viz. Workshop on Conversational AI with RASA and Workshop on Serverless Computing and Google cloud Function.

IEEE GEC STUDENT BRANCH(CS)

IEEE GEC Student Branch(CS) started in 2012 and has actively participated in various events organized by the IEEE student branch namely, the All India Computer Society students and Young Professionals Congress.

GEC FOSS COMMUNITY

GEC FOSS(Free open source software) Community was started in 2019 by a group of FOSS enthusiasts to nurture the Open Source community in Goa College of Engineering and encourage students across Goa to contribute to Open Source software projects and adopt the FOSS philosophy.

GOA ANDROID USER GROUP (GAUG) –GEC CHAPTER

Goa Android User Group (GAUG) –GEC Chapter started in 2017. The Goa Android User Group (GAUG) is a prolific community of Android developers whose aim is to train and teach students about Google technologies. A GAUG chapter can take many forms – from just a few people getting together to discuss something about technology, to large gatherings with demos and technical talks or larger events teaching people to code. However at its core, GAUG is focused on developers skills and technical content.

CODERS CLUB

GEC Coders Club is a group of student technology enthusiasts within Goa College Of Engineering. Started with the aim to bridge the gap between college requirements and industry need, this club also conducts various events to bring up caliber of the programmers graduating from our college. The club conducts various training, hands-on sessions, competitive coding competitions etc, to encourage students and give them confidence to participate in such competition on larger scale.

TECH FESTIVAL - TECHNIX 2023

TECHNIX is a technical festival which includes Technical Competitions such as 24 hours hackathon, 16 hours UI/UX design challenge, coding competitions,

sharing of innovative ideas with events like Ideathon, interaction with Alumni, Industry experts and fun activities. The event was also graced by the presence of Shri. Rohan Khaunte, Honorable Minister of Information Technology, Tourism, Printing and Stationery, Govt of Goa. Students showcased their Projects to the Honorable Minister. The Talks involved Industry Experts such as Mr. Prajyot Mainkar, Mr. Aniket Khorjuvekar (Microsoft), Dr. Kunal Korgaonkar (BITS Goa) and Mr. Durgadas Kamat (Persistent Systems).

Faculty

Dr. J. A. Laxminarayana

Professor & HOD

Prof. Umesh A. Bapat

Assoc. Professor

Prof. Maruska Mascarenhas

Assoc. Professor

Prof. Vineet Jain

Assoc. Professor

Prof. Nagraj K.Vernekar

Assoc. Professor

Dr. Gajanan Gawde

Assoc. Professor

Prof. Manisha B. Naik Gaonkar

Assoc. Professor

Prof. Nitesh Naik

Asst. Professor

Prof. Rachel Dhanaraj

Asst. Professor

Prof. Melina Afonso

Asst. Professor

Prof. Sherica Menezes

Asst. Professor

Prof. Amit Patil

Asst. Professor

Prof. Teslin J. Jacob

Asst. Professor

Prof. Shruti Nitin Pednekar

Asst. Professor



HOD: Dr. J. A. Laxminarayana

Ph: 0832-2336350/351 | email: jal@gec.ac.in

2023 Admission

B.E. programs
Affiliated to Goa University

NBA accredited

DEPARTMENT OF Information Technology

The Department of Information Technology was established in the year 2001, the department offers a UG-Program in Information Technology and PG-Program in Information Technology Engineering. Till date 18 UG Batches and 04 PG Batches have graduated from I.T. Department.

The department is well equipped with 11 professional laboratories, wifi connectivity, Auditorium and conference room, Incubation centre and an independent departmental library. Various workshops, lectures, industry visits are conducted with an aim to stay updated with the latest trends in Information Technology. The department aims to take research and consultancy projects to have research tie-ups with reputed Industry / Institutions and to motivate high standard and quality of education.

The Department has 14 well qualified faculty members with expertise in various fields of Information Technology and specialized in the fields of Language Technologies, Cryptography and Security, Soft Computing, Data Analytics, Image Processing, Networking, Internet of things, Programing & Algorithms, Software Engineering

Important Equipment

1. Dell Intel Core i5 PCs
2. UPS (10 KVA)
3. CRO's, 8051 kits, ARM Controller Kits, Frequency Generator
4. HP Intel Core i5 PCs
5. IOT Kits
6. NEX Robotic kits
7. Interactive Board, Projectors, Printers
8. Raspberry Pi Kits.

VISION

Impart high quality knowledge & skills to students in the field of information technology, motivate research, encourage industry consultancy projects & nurture human values and life skills

MISSION

- M1:- Impart knowledge and skill based training Information Technology and allied fields.
- M2:- Promote research and industrial consultancy projects and establish a linkage with Industry and Alumni.
- M3:- Inculcate leadership qualities, human values, concern for environment and society.
- M4:- Nurture innovation, entrepreneurship and resource management and life skills.



INTENSA - INFORMATION TECHNOLOGY STUDENTS ASSOCIATION



The Information Technology Engineering Students Association (INTENSA) of the Information Technology Department of Goa College of Engineering was established in the year 2003. Since its inception, it has been actively involved in organizing various technical and cultural events for students and faculty. These range from workshops to seminars to other extracurricular activities. Our students enthusiastically participated in different inter departmental and inter college competitions which won them accolades. TECHFLUENCE is a two-day programme organized by INTENSA comprising of various events in areas ranging from coding competitions, UI replication, quizzes, and many more.

Expert Lectures & Workshops

- * Seminar on Cyber Security essentials by Dr. Rakshit Tandon
- * Tech talks on "Emerging Trends in IT"
- * Workshop on "Hands-on session in PHP & MySQL"
- * Technical session on "Understanding Web 3.0 and its Career opportunities"
- * Seminar on "Investor awareness essentials"
- * Technical session on "Understanding UI/UX"

Laboratories

1. Fundamentals Lab
2. Communication Lab
3. Web Technology Lab
4. Analog/Digital Lab
5. Soft Computing Lab
6. Mobile Computing Lab
7. Ideating Lab
8. Computer Graphics Lab
9. Embedded/VLSI Lab
10. TechZone Lab
11. Incubation Centre



Faculty

Dr. Nilesh B. Fal Dessai
Professor & HOD

Dr. Aisha Fernandes
Associate Professor

Prof. Vaishali Shirodkar
Asst. Professor

Prof. Ganesh V. Manerkar
Asst. Professor

Prof. Deepali M. Raikar
Asst. Professor

Prof. Siddhi P. Naik
Asst. Professor

Prof. Mario Pinto
Asst. Professor

Prof. Megha Nayak
Asst. Professor

Prof. Nadine Dias
Asst. Professor

Prof. Amogh Sanzgiri
Asst. Professor

Prof. Soniya Usgaonkar
Asst. Professor

Prof. Diana Miranda
Asst. Professor

Prof. Aparna Rane
Asst. Professor

Prof. Bipin Naik
Asst. Professor

HOD: Dr. Nilesh B. Fal Dessai

Ph: 0832-2336360/361 | email: nfd@gec.ac.in

2023 Admission

B.E. programs
Affiliated to Goa University

DEPARTMENT OF Mining Engineering

The Department of Mining Engineering at Goa College of Engineering, Farmagudi was initially established under Memorandum of Understanding with Government of Goa and M/s. Sesa Goa Ltd. In the year 2011 to create State of art facilities for the degree program in Mining Engineering within the sprawling campus of Goa College of Engineering at Farmagudi. In addition, Sesa Goa has financed the recurring expenditure for initial period of five years six months till December 2016. Thereafter till date, Government of Goa has taken over all the affairs of the department. Most of the students are employed by mining companies and are working at various part of the country. The Academic guidance and support is sourced from National institutes. It is planned to tie up with best Mining Institutes in the world with a view to maintain high standards and professionalism.



Mining Engineering is the exclusive branch and mining operations are gaining momentum as such there will be many job opportunities in the years to come. Department of Mining Engineering is in constant touch with various top mining companies for unique sponsorship scheme, where the expenses of students interested to join Mining Engineering programme from academic year 2022-23 might be taken care by some of these mining companies. The expert faculty of the department also extend consultancy in the field of mining to the local mines. The department actively collaborates with premier professional bodies such as IEI, MEAI, AICTE etc.

LABORATORIES

1. General Mining Laboratory
2. Rock Mechanics Laboratory
3. Mining Machinery Laboratory
4. Mine Environment Laboratory
5. Mineral Beneficiation Laboratory
6. Geology Laboratory
7. Computer Centre Laboratory

IMPORTANT EQUIPMENT

- Mining Models, Tools, Total Station
- Minerals & Rock samples, Polarising Microscope, clinometers Compass, GPS
- Uniaxial Compression Testing, Rock Coring, Rock Cutting, Brazilian Tensile strength apparatus, Point load testing Machine,
- Los Angles Abrasion testing drum, Slake durability apparatus, Permeability measuring apparatus, Strain Gauges, Sieve Shaker Rock lapping and polishing Machine, Schmidt Hammer
- Test Rigs, Tools and Equipments, Light, Vibration, Dust monitors
- Laboratory Beneficiation Equipments



SPECIAL FEATURES

- Computer Centre, Department Library, Meeting room
- Seminar hall of 120 seat capacity
- Consultancy services to Industry
- Conducting seminars & workshops
- MINESCO Student association
- Technical talks to industry personnel
- First Aid classes & Field visits
- Association with reputed Professional bodies viz., IEI & MEAI
- Opportunities of Jobs in Coal India, NTPC, Tata Steel, JSW etc.,





Computer Centre



Seminar Hall



Department Library

Faculty

Dr. Ulhas G. Sawaiker
Professor & HOD

Shri. E. Hymakar Reddy
Asst. Professor

Shri. Vijay Kumar
Asst. Professor



Hon'ble CM Dr. Pramod Sawant
gracing State level Function



GEC – IEI - MEAI NATIONAL SEMINAR



AICTE FDP Organized by
Mining Engineering Department, GEC



Talk by Dr. Ulhas G. Sawaiker, HoD Mining, GEC
on World Environment Day



2023 Admission

B.E. programs
Affiliated to Goa University

DEPARTMENT OF Science & Humanities

The Department was established in the year 2005. This department consists of faculty from the disciplines of Physics, Chemistry, Mathematics, Economics, English, etc. The aim of the department is to broadly educate aspiring Engineering students in the basics of Mathematics, Physics, Chemistry, Economics and technical communication skills which serve as a platform for the growth of students in their further study of technical subjects.

Events organised by Science and Humanities Department

21/02/2023 : International Mother language day celebration wherein Poems, Songs were presented in different Indian Languages. One on One Conversation with the Chief Guest Dr. Rajay Pawar and Guest of Honour, Mr. Deepraj Satordekar. The Conversation dealt with the Konkani language, highlighting the resilience of the language, its use in different parts of the Country, its dialects, the role of drama in preservation of language and the formal education to enrich the language.

25/02/2023 : Student Parliament Competition: The Institute participated in the Student's Parliament competition organized by Goa State Legislative Assembly in Feb 2023.

28/02/2023 : National Science day celebration with activities including Essay Competition, Quiz competition, Paper presentation competition and key Note address on the topic "Global Science for Global Wellbeing" by Dr. M. S. Krupashankara, Principal, GEC followed by Valedictory function.

05/03/2023 : Engico Connect Installation Ceremony of First year students.

21/03/2023 : Campus Visit by First Year Engineering students to BITS Pilani, Goa on 21st March 2023 as part of their Founder's Day & Science Day celebrations.

24/03/2023 : Charity Visit: Students of the institute did a fundraising project in the form of a donation drive for Bethesda Children's Home Colva under the banner of 5 well recognised clubs and societies of GEC.

28/04/2023 : Release of Second Issue of ENGICO FIRST YEAR CONNECT NEWSLETTER and Orientation for Gate Exam Preparation for first year students.

19/04/2023 & 25/04/2025 : Financial Literacy Quiz for students Financial Literacy talk by Dr. Celso Fernandes, Founder, Nave Marg Foundation.

25/05/2023 : Aptitude and Mathematics Test for First Year students to motivate them to prepare for GATE Examination.



Laboratories

1. Physics Lab
2. Chemistry Lab
3. Language Lab



Faculty

Dr. Sebastian Mesquita
HOD., Professor

Dr. Manoj Choukuse
Professor

Prof. Ujwala Phadke
Associate Professor

Prof. Shilpa Amonkar
Associate Professor

Prof. Minaz Sheikh
Asst. Professor

Dr. Adlete Mascarenhas
Associate Professor

Prof. Sayeesh D. Habbu
Asst. Professor

Prof. Ashmita Kerkar
Asst. Professor

2023 Admission

B.E. programs
Affiliated to Goa University

LIBRARY

The Fully Computerized College Library is housed in a spacious separate building located to the left side of main building. Library can accommodate more than 300 students in the reference and reading room sections. The library currently holds more than 90,000 books and a number of periodicals, magazines and journals. Underprivileged students are provided with Book Bank facility whereby the students can borrow 25 to 30 prescribed books up to a period of one year. The library also has multimedia section with a large collection of resources. The library facilities are extended to students from 9:00 A.M. to 6:00 P.M. The students should register at library and obtain library card to avail the library facility. GEC Library was awarded the 'Best Library' in Goa for the year 2020-2021.

Mrs. Smita Dessai

Librarian

Tel.: 0832 - 2336390/391

E-mail : librarian@gec.ac.in



Hostel Accommodation

The Institute provides on-campus residential accommodation facilities for students who are admitted to the UG and PG programs. There are five boys hostels and two girls hostels with independent mess facilities fully managed by students. All the hostels are provided with Wi-Fi Internet.

Requests form for availing on-campus hostel accommodation is to be submitted separately along with medical certificate.

Dr. Ganesh Hegde

Chief Warden

Professor, Civil Engineering Department

Mob.: 9420978458

E-mail : gh@gec.ac.in



2023 Admission

B.E. programs
Affiliated to Goa University

Transport

The Institute provides transport facilities to the staff and students of the College between Farmagudi campus and Ponda at regular intervals. Nominal fare is collected from the students and staff for the transport facility. KTC and other private bus operators also supplements transport facilities by running their buses from important cities of Goa to College campus.

Central Computing Facility

The entire campus is connected by fiber optic network providing EPABX and Internet connectivity through 1Gbps and 140Mbps leased lines. The centre is housed in library building and has around 100 computers. The centre is also used for conducting online campus recruitment tests and the other competitive examinations. The first year computer programming practicals are also conducted at this centre.

Canteen & Food Corners

The institute has a full-fledged canteen with sufficient seating arrangement. Another cafeteria is located at the shopping complex near the main gate of the college. There are variety of food stalls located nearby around the campus.

Medical & Counseling

GEC is equipped with a first aid room, for minor medical treatment. For serious medical requirements ambulance service are engaged to take patients to Ponda District Hospital, which is 5km away. On Campus mental health counseling facility is available at the Counseling center, in the Administrative Block.

Bank, ATM & Post Office

A full fledged Bank branch and ATM of Union Bank of India is functioning in the campus. The bank is located near main gate in the shopping complex building. The Goa University examination fees are accepted at this branch. Post office facilities are available in campus.

Students Co-operative Society

A Co-operative Society is in operation in the College campus for more than 35 years to cater to the needs of the students and staff which include photocopying facility, stationary, instruments etc. Different application forms for applying to various scholarship and certificates are also available here.



Sports and Gymkhana

The Institute has facilities for recreation with outdoor playing fields like basketball court, football & cricket ground, indoor playing facilities like badminton and table tennis. The Institute has been successful at the various inter-collegiate University level sports like cricket, badminton, swimming, judo, body building etc.

SPORTS ACHIEVEMENTS – 2022 - 2023

GYMKHANA FACILITIES

Sr. No.	Facilities	Nos.
1.	Cricket Ground	03
2.	Football Ground	01
3.	Volleyball Court	01
4.	Basketball Court	01
5.	Badminton Court	01
6.	Table Tennis Table	04
7.	Carrom Board & Coin Set	03
8.	Body Building Gym	01
9.	Cricket Practice Pitches	02



BADMINTON MENS WINNER



SWIMMING – GOLD MEDAL Team Championship



ATHLETICS MEN & WOMEN



POWER LIFTING & WEIGHT LIFTING - 03 BRONZE



1ST WOMEN FOOTBALL TEAM FROM GEC - QUATERFINALIST



TAEKWONDO MEN - RUNNERS UP



BADMINTON WOMEN



FOOTBALL MEN



POWER LIFTING WOMEN - GOLD



LONG JUMP - GOLD
TRIPLE JUMP - SILVER



SWIMMING MEN - WINNERS



CHESS MEN



TABLE TENNIS MEN



BADMINTON NATIONAL PLAYER



WOMEN CRICKET TEAM

Dr. MAHESH CAISUCAR

Sports Incharge

Associate Professor, Mech. Engg. Dept.

Mob.: 9922732822

E-mail : maheshc@gec.ac.in

Mr. SAGAR NAIK

Physical Training

Instructor (PTI)

Mob.: 9822060172

2023 Admission

B.E. programs
Affiliated to Goa University



NATIONAL SERVICE SCHEME (NSS)

About NSS

The National Service Scheme (NSS) is a Central Sector Scheme of Government of India, Ministry of Youth Affairs & Sports. The sole aim of the NSS is to provide hands on experience to young students in delivering community service.

Since inception of the NSS in the year 1969, the number of students strength increased from 40,000 to over 4 million up to the end of 2021 students in various universities, colleges and Institutions of higher learning have volunteered to take part in various community service programs.

NSS at +2 Stage (College Level)

The scheme at +2 stage was introduced in 1985 on an experimental basis in states of Karnataka, Kerala, Tamil Nadu, Goa, Gujarat, West Bengal and Union Territory of Daman and Diu.

The Motto: 'NOT ME BUT YOU'

This reflects selfless service and appreciation of the other person's point of view and also to show consideration for fellow human beings. It underlines that the welfare of an individual is ultimately dependent on the welfare of society on the whole. Therefore, it should be the aim of the NSS to demonstrate this motto in its day-to-day program.

GEC - NSS unit: Procedure for Enrollment

- Students Enrollment (Limited enrollment up to 100 students only per academic year)
- Induction Programme to Introduce you to NSS.
- Whole hearted Participation & 100% attendance in all the activities conducted By NSS at Institution level.
- Registration is for an academic year.
- Completion of 60 work hours/semester (120 hours/year) is a must for benefit of NSS grace marks.
- Completion of two years of work hours (240 hours) will make you eligible for a Certificate from Sports Authority of India, Goa State.



Prof. Ganesh V. Manerkar

NSS Chief, PO-GEC

Ph.: 0832 - 2336366

E-mail: gvm@gec.ac.in

2023 Admission

B.E. programs
Affiliated to Goa University



NATIONAL CADET CORPS (NCC)

ABOUT NCC

The National Cadet Corps (NCC) is the youth wing of the Indian Armed Forces with its headquarters in New Delhi, India. Its Motto is "Unity and Discipline" and It is open to school and college students on voluntary basis as a Tri-Services Organization, comprising the Army, Navy and Air Wing, engaged in grooming the youth of the country into disciplined and patriotic citizens

The 'Aims' of the NCC laid out in 1988 have stood the test of time and continue to meet the requirements expected of it in the current socio-economic scenario of the country.

The NCC Aims:

- 1) To develop character, comradeship, discipline, leadership, secular outlook, spirit of adventure and the ideals of selfless service amongst the youth of the country.
- 2) To create a human resource of organized, trained and motivated youth, to provide leadership in all walks of life and be always available for the service of the nation.
- 3) To provide a suitable environment to motivate the youth to take up a career in the Armed Forces

NCC 1-Goa Battalion Army Wing unit of Goa College of Engineering was started in year 2019 and has been actively involved in various activities. GCE NCC wing has enrollment strength of 52 cadets. There is a Boys SD division and a Girls SW division.



Lt. Anand S. Naik
(Associate NCC Officer)
Coy - D3, 1 Goa Battalion NCC
E-mail: anandnccgce@gmail.com

STUDENTS CLUB

ASTRONOMY CLUB



Founded in 2018, GEC Astronomy Club is a platform for students to explore the Universe. The motto of the club is, 'From Where We Have Come to Where We Are Going'. This hints at the purpose of Astronomy, and gives an opportunity to explore careers in both types of scientific careers, looking at the past as well as looking towards the future of our Earth & Universe.

The Club has organized many events ranging from Talks, Competitions and Online Interactive Activities for the students. The Club has also undertaken out-of-station tours twice, once to witness the launch of the Chandrayaan-II at ISRO Sriharikota in August, 2019 and the second time to witness the Annular Solar Eclipse - Ring of Fire at St. Alloysius College, Mangalore at December, 2019.

The Club is equipped with our own 6" Reflector Telescope of GSO (Taiwan) which comes with a Go-To Automatic Equatorial Mount from Bresser (Germany). Apart from this instrument, all the required accessories to perform DeepSky Astrophotography and click images of Nebulae, Galaxies and Cluster is also present. All the required accessories for solar photography are also present.

MUSIC CLUB



At the music club, we strive to ensure that everyone including people with and without musical background come together to learn and enjoy various forms of music. We conduct regular jams and open mics and of late regular catch-up meets online to ensure that everyone is up to speed with the latest trends in the music industry. As far as the achievements of our club are concerned, we've won many inter-college events at state level and have participated in national-level events. The music club which started off as small group of music lovers who would jam at any spot in the college, now has a full equipped music room with several instruments including a drum kit, a keyboard and guitars. The music club is open to everyone whether or not you possess a skill or two in music, however, we have an inner circle which comprises of the core club members who are skilled/experienced and have shown a lot of engagement and fondness for the club.

ART & LITERARY CLUB



The purpose of the club on campus is to provide students with an opportunity to unleash their potential for creativity and talent. While it gives students a chance to meet their fellow mates with diverse interests and background for every activity conducted, it also helps in expanding the horizon of their thinking. It helps them hone their social and leadership skills and entertain plurality of opinions and thought. Participating in the activities of the club is fun and relatively stress free. It also aims at inculcating reading habits, participating in informal discussions, formal activities like debate and essay writing. At the core of the club's interest is the flowering of the overall personality development of the student.

RED RIBBON CLUB (RRC)



The Red Ribbon Club (RRC) is a Voluntary on-campus intervention program for students in educational Institutions. It is initiated and supported by the Goa State AIDS Control Society and implemented through multi-sectoral collaboration, particularly, using the services of cadre officers of the State's National Service Scheme (NSS).

DRAMA CLUB



A The drama club of GEC was formally established in August 2018, but the students have been carrying the essence of it for a long time. We provide a platform for any student who wants to express themselves through performing arts and everything that accompanies it. We work closely with the student council to ensure that our students get a chance to participate in various activities such as college fests, competitions, street plays, one-act plays, short films and more. The drama club has its independent council and a faculty advisor to ensure flawless functioning which does not compromise our core values- creativity, equal opportunity, growth and teamwork.

QUIZ CLUB



Founded in 2014, this is GEC's own Quiz Club. We are a bunch of quizzing enthusiasts in GEC who love random trivia. This club is for all those quizzers out there who want to enjoy the experience of quizzing.

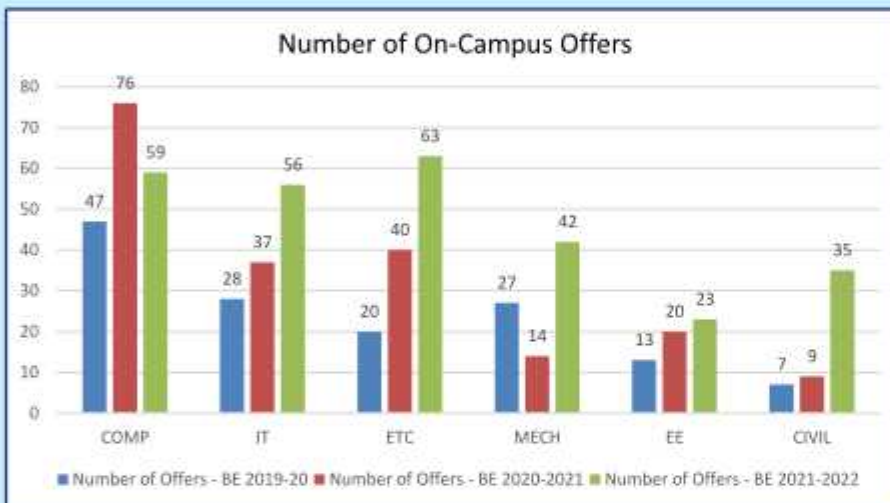
Career Guidance, Training and Placement Office

Goa College of Engineering (GEC) is well known for its academic excellence and is often considered as the 'first stop' for a large number of industries and other organizations for recruiting undergraduate and postgraduate students. We truly appreciate the faith bestowed on us from several organizations and we look forward to continuing our relationship with them.

GEC's Career Guidance, Training & Placement Cell contacts companies and arranges pre-placement talks & campus recruitments. The institute has a well-organized placement team and centrally handles all aspects of placements at GEC. The hospitality and the functioning of Placement Office is applauded and well received by the visiting recruiters every year. With over 60 companies visiting GEC every year, Placement Office has maintained a prolific placement record among Engineering Colleges in Goa.

Prof.: Teslin Jacob

Assistant Professor, Computer Engg.
Training & Placement Officer
E-mail: apt@gec.ac.in



Year	Number of Companies Visited
2019 - 2020	38
2020-2021	57
2021-2022	62
Year	Number of Offers
2019 - 2020	142
2020-2021	196
2021-2022	286



How to **REACH** campus

Goa College of Engineering is located Off National Highway 748, on lush hilltop in Farmagudi, Ponda. It is easily accessible by multiple modes of transport at almost all times of the day. The distances from other important cities and locations are as below:

PANAJI - 28 Kms (Connected By NH-748)

MARGAO - 19 Kms

VASCO - 40 Kms

PONDA BUS STATION - 1.5 Kms

KARMALI RAILWAY STATION - 17 Kms

GOVT OF GOA

GOA COLLEGE OF ENGINEERING

**Bhausahab Bandodkar Technical Education Complex,
Farmagudi, Ponda- Goa**

Ph: 0832-2336306, Fax: 0832-2336301,

E-mail: ppf@gec.ac.in

OTHER USEFUL CONTACTS

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Mr. Sumit S. Komarpant

GS (Student Council)
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