GOA COLLEGE OF ENGINEERING

Farmagudi, Ponda- Goa Pin- 403401, Ph: 91-832-2336301, Email:ppl@gec.ac.in

2011-2012

M.E. PROSPECTUS

PRICE Rs 600/-

INTRODUCTION

Part 1

Location:

Goa College of Engineering, Goa was established in the year 1967. The college is situated at Farmagudi plateau, which is 4 kilometers from Ponda city, and about 26 kilometers from Panaji.

Aims and Objectives of the Institution:

The College of Engineering has been established to meet the growing needs of the technical manpower required at different levels of management by industry and the Government departments in Goa and elsewhere in the country by imparting rigorous course-work and training at the under-graduate and post-graduate level.

Facilities Available:

The College has its own campus at Farmagudi where the main college buildings, laboratories, workshops, gymkhana building, staff residential quarters, lecture halls, hostel buildings with mess etc. are situated. The total area of the College campus is around 100 hectares. The general amenities like Post Office, medical facilities, Power gymkhana, water supply, electricity, transport facilities, Co-operative societies, and canteens are provided to the students, as well as staff.

The College has got Training and Placement cell to look after the training and employment. Every year leading firms conduct interviews in the campus for employment of out going students.

Teaching Staff:

The teaching staffs have been recruited through the Goa Public Service Commission on All India basis as per the qualifications laid down by All India Council for Technical Education, New Delhi.

The faculty members are deputed for M.E., Ph.D. and Post Doctoral programs. The faculty members have also been publishing many research papers in national/international journals. The College has facilities for continuing education programs. Many research projects have been carried out in the past. Also, refresher courses for practicing engineers are organized on regular basis.

Management:

The college is managed by the Government of Goa and is affiliated to Goa University. The laboratories, workshop and library are provided with equipments, machines, books/journals as per the norms of AICTE. The staff pattern in the College follows AICTE norms.

The college offers several Post graduate courses with details as tabulated.

Sr. No	Name of course	Duration	Intake
1	M.E.(Foundation Engineering) Full Time	2 years	15
2	M.E.(Industrial Engineering) Part Time	3 years	15
3	M.E. in Electronics & Telecommunication (Micro Electronics) Full Time	2 years	15
4	M.E. in Electronics & Telecommunication (Electronic Communication & Instrumentation) Full Time	2 years	15
5	M.E. in Power & Energy Engineering Full Time	2 years	15
6	M.E. in Electronics & Telecommunication (Industrial Automation and RF Engineering) Full Time*	2 years	15
7	M.E. in Computer Science & Engineering Full time **	2 years	15

* *Subject to approval of AICTE and Goa University*
** *Subject to approval of Goa University*

THE LAST DATE OF RECEIPT OF APPLICATION FORM IS 15-07-2011

Details of Examinations:

Goa University conducts the examination twice in an academic year after the close of each term. The promotion to next higher semester is determined on the basis of students' performance at the semester examination and in terms of the requirements made applicable for the same under the semester rules of the Goa University. Students failing to obtain requisite standard of passing in any subject can appear in the concerned subject as per the provisions of the semester rules.

Details of Fees for Post Graduate courses:

On admission the students will have to pay the fees and other deposits as under:

Sr. No	Description	Rate per Year/Term
1	Admission Fees	Rs. 700/- (One time)
2	Tuition Fees	Rs 12,000/- per term
3	Gymkhana Subscription	Rs 100-/ per year
4	Annual Social Gathering	Rs 100-/ per year
5	Students Aid Fund	Rs 50-/ per year
6	Magazine Fees	Rs 100-/ per year
7	Identity Card	Rs 50/-(One time)
8	Library Deposits	Rs. 500/- Refundable
9	Caution Money Deposits	Rs 500/- Refundable
10	Hostel Deposits	Rs. 500/- Refundable
11	Hostel Maintenance Fees	Rs 600/- per term
12	Hostel Rent	Rs 800/- per term
13	Development Fees	Rs 2000/- per term
	Total	Rs. 18, 000/-

The students who have failed and want to repeat laboratory/practical should pay 50% of the tuition fees.

Examination Fees are to be paid as per the regulation of University from time to time.

Refund of Fees:

1. If the student cancels the admission, by written application addressed to Principal, within fifteen days from the date of commencement of the term or within fifteen days after payment of the fees whichever is earlier then all fees paid by a student at the time of admission shall be refunded to him/her after deducting Rs1000/- (One thousand only) as cancellation charges.

2. If the student cancels the admission, by written application addressed to Principal, after fifteen days from the date of commencement of the term or after fifteen days after payment of the fees whichever is earlier then all fees paid by a student at the time of admission shall be refunded to him/her after deducting Rs1000/- (One thousand only) as cancellation charges, provided the seat falling vacant due to the cancellation get filled.

3. If the student cancels the admission, by written application addressed to Principal, after fifteen days from the date of commencement of the term or after fifteen days after payment of the fees whichever is earlier 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.

   N.B. Examination fees and refund of the examination fees are subject to the rules stipulated by the Goa University from time to time.

Refund of Caution Money and deposits:

Caution money deposits, Hostel Deposits, Library deposits are refundable to a student subject to the recovery of dues for breakages, loss, damages etc of the College property provided a written application for refund is submitted within six months of leaving the college. The date of leaving the College is to be considered from the day next to the day of declaration of result of the respective examination by the University. The other fees collected are non refundable. The Hostel, Library deposits and College caution money are refundable when applied for within the stipulated time. The student will have to produce original Fee receipt while claiming the refund of deposits.

Refund of Hostel Fees:

The fees for the hostel are non-refundable. Hostel deposit can be refunded after deduction of claims, if any. Hostel accommodation is available to the M.E. students depending on the availability of accommodation.

Rules for the College Hostel:

The rules for the college Hostel are as under:

i) 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 he/she has paid the requisite fees and the Caution Money Deposit.

ii) 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. The Girl's hostel is out of bounds for male visitor.

iii) Residents are expected to maintain discipline 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 him/ her in the manner directed by the Principal.

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

v) The hostel terms shall be more or less the college terms. The students have to vacate their rooms as soon as possible after their university examination is over. The maintenance of hostels has to be carried out by PWD after students vacate their rooms.

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

vii) Each student staying in the hostel shall be required to join the hostel mess by paying a refundable mess deposit of Rs.800/-. Appropriate monthly establishment charges of the hostel mess shall be paid by each hostel resident even if he / she do not have food in the hostel mess.

viii) Ragging in any form will result in instant expulsion of students responsible for it.

Admission to hostel will be governed as per Hostel rules. Ex- Students will be admitted in the Hostel depending on the availability of seats during examination time only. The proportionate rent for hostel accommodation shall be payable in advance. They will have to vacate the accommodation immediately after the examinations are over. The allotments of hostel accommodation to the Ex- Students will be done by the Chairman of Councils of Warden / Principal only.

Students will have to vacate the hostel accommodation every year for maintenance work to be carried out, immediately after even semester examinations. The possession of the rooms shall be obtained. Re- allotment in fresh semester can be done only if a student has vacated the allotment in previous semester in time.

Attendance

University's ordinances regarding minimum attendances and keeping of terms by the students are to be followed.

Conduct rules

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

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

iii) Every student shall purchase at least one share of Rs. 10/- of the student Co-operative society, which amount shall be refundable.

Provisional Eligibility Certificate:

The candidates who have passed the qualifying examination from University other than the Goa University and seeking admission to M.E, course shall have to submit a provisional eligibility certificate from the Registrar, Goa University along with their applications for admission without which the application is liable to be rejected.

Detailed instructions regarding provisional statements of eligibility can be obtained from the Registrar, Goa University, Taleigao plateau, Santa Cruz, Goa.

Distribution of seats for the P.G. Courses

Group I	Students passing B.E. Exam from Goa University/ Goa College of Engineering	05 seats
Group II	Sponsored Candidates	02 seats
Group III	Students passing B.E. Exam of any University (General)	02 seats
Group IV	Candidates belonging to SC/ST of Goa	02 seats
Group V	Candidates belonging to OBC of Goa	03 seats
Group VI	Physically Handicapped from Goa	01 seats

Eligibility for admission to Master of Engineering

Nationality: The applicant must be a citizen of India.

Qualifications:

a. **For admission to M. E. (Industrial Engineering)**

   For admission to M.E. (Industrial Engineering) candidates are required to possess Bachelor's Degree in any branch of Engineering or equivalent from a AICTE recognized University/Institution.

b. **M.E. (Foundation Engineering)**

   For admission to M.E. (Foundation Engineering), candidates are required to possess Bachelor's Degree in Civil Engineering or equivalent from a recognized AICTE University/ Institution.

c. **Master of Engineering in Electronics & Telecommunication (Micro-Electronics)**

d. **Master of Engineering in Electronics & Telecommunication (Electronic Communication & Instrumentation)**

e. **M.E. in Electronics & Telecommunication (Industrial Automation and RF Engineering)**

   For admission to three courses in Master of Engineering in Electronics & Telecommunication listed as c), d) and e) candidates are required to possess Bachelor's Degree in Electronics & Telecommunication /Electronic/ Electrical / Electrical & Electronics / Information Technology / Computer /Instrumentation / Bio-medical Instrumentation /Bio-medical Electronics / Process Control / Industrial Electronics / Power Electronics or equivalent from a AICTE recognized University/ Institution.

f. M.E. in Power & Energy Engineering

For admission to M.E. in Power & Energy Engineering, candidates are required to possess Bachelor's Degree in Electrical / Electrical & Electronics/ Electronics & Telecommunication /Instrumentation / Industrial Electronics / Power Engineering / Power Electronics/ Power Systems / Control Engineering or equivalent from a AICTE recognized University/ Institution.

g. M.E. in Computer Science & Engineering

For admission to M.E. in Computer Science & Engineering, candidates are required to possess Bachelor's Degree in Electrical / Electrical & Electronics/ Electronics & Telecommunication /Computer/Information Technology or equivalent from an AICTE recognized University/ Institution.

Eligibility for individual Group

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

ii) The candidates applying for Group II should posses a certificate indicating that they are employed. The format of the sponsorship certificate is indicated in the application form.

iii) All the candidates with the qualifying degree from any other University are considered in Group III (General). The candidates eligible in Group I will not be considered in Group III.

iv) The candidates applying for Group IV should submit Caste Certificate (SC/ST) in format enclosed at Annexure A.

v) The candidates applying for Group V should submit Caste Certificate (OBC) in format enclosed at Annexure B.

vi) The candidates applying for Group VI must produce a certificate from the Medical Board of GMC regarding disability and ability/ fitness to undergo the syllabus for the course i.e. Theory and practical.

Note for all the M.E. courses:

i) Candidates with AMIE/AMIETE certificate are eligible for admission in all the Groups except Group I, provided they submit the appropriate certificate required for the respective Group.

ii) Any seat in M.E., in any group remaining unfilled shall be transferred to Group I. If there are no candidates remaining in Group I then remaining seats will transferred to Group III.

iii) Minimum of 50% in final year examinations (last two semesters) or equivalent CPI of 5.5 should be secured by the candidates. In case of candidates with AMIE/AMIETE certificate, minimum of 50% of marks should be secured in Section B.

iv) The merit list will be based on the GATE score.

    a. If GATE scores are equal, then candidates with higher aggregate marks in B.E. Degree (final year/last two semesters) will be placed higher in the merit list.

    b. If the marks in B.E. Degree (final year/last two semesters) are equal then the candidate with higher aggregate marks (i.e. 3yrs /4 yrs) will be placed higher in the merit list.

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

    a) If the marks in B.E. Degree (final year/last two semesters) are equal then the candidate with higher aggregate marks (i.e. 3yrs /4 yrs) will be placed higher in the merit list.

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

    c) Common merit list will be prepared for the three courses in M.E. in Electronics & Telecommunication namely Micro-Electronics, Electronic Communication & Instrumentation and Industrial Automation and RF Engineering.

Certified copies of testimonials and certificates to be attached

1. Bachelor Degree in Engineering or equivalent & passing certificate

2. Marks sheets of final year examinations (the last two semesters)

3. Provisional Eligibility for Goa University (if applicable)

4. Migration Certificate (if applicable)

5. **Sponsorship Certificate for Group II**

6. **Gate Score Card (if any)**

7. **Caste Certificate in format enclosed at Annexure A for Group IV**

8. **Caste Certificate in format enclosed at Annexure B for Group V**

9. **Certificate of Physically Handicapped from GMC for Group VI**

Rules of Admission

1. **All the applicants desirous of admission must comply with the provisions of this prospectus.**

2. **The application form for the admission is available in the prospectus.**

3. **The prospectus shall be available at Goa College of Engineering, Farmagudi, at a price of Rs 600/- (Six hundred only) drawn on any nationalized bank in favour of Principal, Goa College of Engineering, payable at Ponda.**

4. **The application form can also be down loaded from the college website www.gec.ac.in . The applicant using downloaded application form shall submit the same together with demand draft of Rs 600/- (Six hundred only)**

5. **The candidate applying for any one course of Master of Engineering in ETC will also be considered by default, for all the three courses of Master of Engineering in ETC namely Micro-Electronics, Electronic Communication & Instrumentation and Industrial Automation and RF Engineering.**

6. **The merit list shall be prepared group wise, for each of the M.E. course. Common merit list will be prepared for three courses of Master of Engineering in ETC namely Micro-Electronics, Electronic Communication & Instrumentation and Industrial Automation and RF Engineering.**

7. The merit list shall be displayed at 4.00 pm on the designated date.

8. The admission process will start at 10.am on the designated date.

9. All the candidates desirous of taking admission must remain present during the admission round together with acknowledgement card.

10. If number of eligible candidates for any course are less than five then Principal, Goa College of Engineering reserves the right to not to admit any students for that course for the year 2011-2012.

11. Principal, Goa College of Engineering reserves the right to modify the schedule of admission depending upon the exigency of the situation.

12. The selected candidates have to submit affidavits in the format provided in annexure I & II, at the time of admission.

Intimation of Provisional Selection/Waiting list of admission

1. The applications in the prescribed form received for admission will be scrutinized in terms of the provision in the prospectus and merit list of the eligible applicants, will be displayed on the college notice board.

2. The candidates may refer to schedule of admission process for all the important dates. Candidates must report in person during admission rounds.

3. If the candidate fails to report as per schedule or is found to be unsatisfactory as a result of scrutiny of their certificates, the offer of admission shall be cancelled and the same will be offered to the next candidate in the waiting list.

Cancellation of admission:

a) Applications not complete in all respects or not supported by all required certificates shall be summarily rejected.

b) Any candidate who is offered admission must pay the prescribed fees within the date specified, otherwise offer will be treated as cancelled and the seat will be offered to the next eligible candidate in the merit list of that group.

c) The admission offered to the candidate shall be cancelled if later on the Goa University declares that the candidate is not eligible for the admission.

d) Even if candidate pays the tuition fees but fails to join the college within fifteen days from the date of payment of tuition fees or remains absent for more than fifteen days without intimation or prior permission, Principal may at his discretion cancel the admission of such candidate.

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

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

Enclosures:

1. **Application Form**

2. **Acknowledgement Card**

3. **Annexure 'A' -CASTE CERTIFICATE (SC / ST)**

4. **Annexure 'B'- CASTE CERTIFICATE (OBC)**

5. **Annexure 'I' (Affidavit of the student)**

6. **Annexure 'II'(Affidavit of the guardian)**

Schedule of Admission Process

Activity	Date
1) Start of sale of prospectus and acceptance of application	11-07-2011 (Monday)
2) Last date for sale of prospectus and submission of application	22-07-2011(Friday)
3) Display of merit list	26-07-2011(Tuesday)
4) Last date for objection, if any	27--07-2011(Wednesday)
5) First round of admission	01--08-2011(Monday)
6) Second round of admission	05--08-2011(Friday)

Note:

1. All applicants shall refer to the above schedule and attend round of admission <u>in person</u>, together with documents in originals and fees.

2. Principal, Goa College of Engineering, reserves the right to modify the above schedule, depending on exigency of the schedule.

3. Admission rounds shall be carried out group wise, in each branch, in following order.

     i) Foundation Engineering

     ii) Industrial Engineering

     iii) ETC: Micro Electronics, ECI, Industrial Automaton & RF Engineering

     iv) Power & Energy Engineering

     v) Computer Science and Engineering

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GOVERNMENT OF GOA
GOA COLLEGE OF ENGINEERING,
FARMAGUDI – GOA
APPLICATION FOR ADMISSION TO M.E. PROGRAMME 2011-12

REGISTRATION NO. [   ]

Courses: **Industrial Engineering**./ **Foundation Engineering**./

ETC (Micro-Electronics) / ETC(Electronic Communication & Instrumentation) / ETC(Industrial Automation & RF Engg)

Power & Energy Engg. / **Computer Science & Engineering**

(**Cancel the courses not applied for**)

Passport
Size
Photograph

GROUP: | **I** | **II** | **III** | **IV** | **V** | **VI** | (Tick all groups eligible)

1. Full Name (Block letters)_____

2. Address:

   For communication   Residential

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   3. Telephone (mobile) number:
                Landline   :

4. Date of Birth : _____

5. Nationality :_____

6. SC./ST/OBC: Yes / No

7. Is GATE score present? : Yes/ No   Gate Score:

8. Details of qualifying examination
    Branch: _____ Year of passing: _____

    University:_____

Details of last two semesters of qualifying examination :

Semester	Total Marks	Marks Secured	
			Percentage
Total of last two semesters			

9. Name and address of institution/ organization where presently working
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    _____

10. Declaration:

   I declare that all the information furnished by me is correct to the best of my knowledge and belief. If I am admitted to the institute, I shall abide by the rules and regulations of the institute which may be applicable from time to time.

Date: Signature _____
                                         Name: _____

11 Sponsorship certificate from the employer:

   We, _____ hereby sponsor
   Shri/Kum _____ , who is employed
   with us for M.E. programme. He/She will be permitted to attend the course work/ lectures for the entire duration of the programme.

   Name of the organization:

                                    Signature of employer with stamp

Annexure A

CASTE CERTIFICATE (SC / ST)

1. This is to certify that Shri/Kum. _____
son/daughter of _____of village / town
_____ of the state of Goa belongs to the _____
Caste / Tribe which is recognised as a Scheduled Caste under:
The Constitution (Goa, Daman and Diu) Scheduled Caste order, 1968
The Constitution (Goa, Daman and Diu) Scheduled Tribes order, 1968

2. Shri/Kum. _____ and or his/her
family ordinarily resides in village/town _____ of Goa and is
non-migrant / migrant (from the State of _____) as per the Presidential
Order dated 19th February, 1968.

Signature: _____

Place: _____

Designation: Deputy Collector
(with seal of Office)

Date: _____

NOTE: The Term "Ordinarily reside" used here will have the same meaning as in section 20 of the Representation of the Peoples Act, 1950.

Reg No.: _____

GOA COLLEGE OF ENGINEERING,
FARMAGUDI – GOA
Acknowledgement Card 2011-12

COURSE: Industrial Engg./ Foundation Engg./ ETC (Micro-Electronics) / ETC(Electronic Communication & Instrumentation) / ETC (Industrial Automation & RF Engineering) / Power & Energy Engg. / Computer Science & Engineering

Your application for the admission to M.E. in above stated course under Group ____ has been received in this office and allotted Registration No._____

Farmagudi:
Date:

Goa College of Engineering,
Farmagudi -Goa

ANNEXURE B

CASTE CERTIFICATE (OBC)

FORM OF BACKWARD CLASS CERTIFICATE
OFFICE OF DISTRICT MAGISTRATE /SUB-DIVISIONAL MAGISTRATE/
MAMLATDAR

This is to certify that Shri/Kum. _____son /daughter of _____ of village / town _____ of the State of Goa belongs to the _____ caste/ community, which is recognised as a backward class under the Government of India, Ministry of Welfare, resolution No.12011/68/93-BCC (C) dated 10th September, 1993 and resolution No. 12011/44/96-BCC (C) dated 6th December, 1996, published in Gazette of India, Extraordinary, Part I, Section I,dated 13th Sept, 1993 and dated 11th December, 1996 respectively, as also mentioned under Govt. of Goa notification No. 13/3/84-LAWD/OBC dated 12.6.1987, No. 13 /25/ 92-SWDPart dated 4.10.1995, No. 13/1/97-SWD dated 3.3.1997, No. dated 13.5.1997, No. dated 12.12.1997, No. dated 23.9.1998, No. dated 30.6.2000 as amended.

Shri/Kum. _____ _____ _____and or his/her family ordinarily   resides at House No. _____in village / town _____ Taluka _____ of Goa.   It is certified that he/she as on the date of issue of this certificate belongs to persons/sections   of non-creamy / creamy layer mentioned in column 3 of the schedule of the Government of India, Department of Personnel & Training O.M. No. 36012/22/93/Est)SCT) of 1993.

Shri/Kum. _____ and or his/her family ordinarily resides in village/town _____ of Goa and is non-migrant / migrant (from the state of _____) as per the presidential order dated 19th February, 1968.

Signature:

Place: _____

Designation:

Date: _____   (with seal of Office)

NOTE: The Term "Ordinarily reside" used here will have the same meaning as in section 20 of the Representation of the Peoples Act, 1950.