



# GOA COLLEGE OF AGRICULTURE

STUDENT'S  
PROSPECTUS & HANDBOOK  
Academic year 2026-27

**B. Sc. (Hons.) Agriculture**  
Four years Professional Degree Program

*Aspire for a  
Career in Agriculture*



**Goa College of Agriculture**  
Ela Farm, Old Goa

## **Published by**

Dr Suresh Kunkalika  
Principal and Dean

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## **Prospectus Committee**

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## *Foreword by Principal and Dean Dr Suresh Kunkalikar*

We are enthusiastic about welcoming students who aspire to enroll in the B. Sc. (Hons.) Agriculture program, a professional four-year degree course provided by Goa College of Agriculture, which is affiliated with Goa University and supported by the Government of Goa. The college has implemented the Vth Dean and VIth syllabus as prescribed by the Indian Council of Agricultural Research, New Delhi, Government of India. The expansive 40-acre college campus is adjacent to the ICAR CCARI campus, Krishi Vigyan Kendra, a government veterinary farm, and at the foot of the Lord Gomanteshwar temple.

The college boasts a team of qualified educators supported by non-teaching personnel. It comprises ten departments that offer a variety of agricultural subjects aimed at the comprehensive development of students who are preparing for higher education, civil service, research, agriprenurship, and more. The college engages in collaborative projects with both national and international organizations.

The college is equipped with meteorological stations that collect weather data, which is utilized for planning agricultural activities and forecasting pest and disease occurrences to provide farmers with integrated management advice in the field. Additionally, there are three poly houses designated for vegetable cultivation and seed production. The experimental plots serve for various field experiments and the cultivation of different crops and vegetables. Facilities include bio-formulation, vermicomposting, mushroom production, food processing training center, and honeybee rearing units.

The Rural Agricultural Work Experience (RAWE) program, available to final-year students, aims to offer insights into rural conditions related to agriculture and allied activities, as well as facilitate the transfer of technology from the laboratory to the field. This experiential learning initiative prepares students to plan projects, assess their viability, undergo training, and implement projects to earn while they learn.

The college's placement cell organizes campus interviews for student recruitment across various organizations and provides guidance for agriprenurship, promoting self-employment and the establishment of agro-industries.

I convey my heartfelt wishes to all our students as they pursue their academic goals, engage in extracurricular activities, and develop into responsible citizens of our nation.



**GOA COLLEGE OF AGRICULTURE**  
Ela Farm, Old Goa, Goa



Announces  
**ACCREDITATION**

of  
**B. Sc. (Hons.) Agriculture programme**

by  
**INDIAN COUNCIL OF AGRICULTURAL  
RESEARCH (ICAR), NEW DELHI**

A true validation of standards of  
education in  
Agriculture



**B. Sc. (Hons.) Agriculture**

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## **INTRODUCTION**

### **Goa College of Agriculture**

#### **Vision**

NURTURE THE YOUNG MINDS FOR AGRICULTURE

#### **Mission**

- Focus on continuous improvement of agriculture education.
- Establish Training and R & D centre for Goa and neighbouring states.
- Develop entrepreneurship skills in youth.
- Technological intervention for agriculture growth.

#### **Directorate of Agriculture**

Directorate of Agriculture, Government of Goa located at Krishi Bhavan, Tonca, Caranzalem, Goa is the pivot for the agricultural activities for the development of the state of Goa. It aims at self sufficiency or *Atmanirbhar* Goa in the field of agriculture and production to improve economic status of farmers of the state.

It provides online services to farmers for Krishi card, Irrigation, Soil nutrition, Trade and business, Infrastructure, Seeds, Machinery, Horticulture etc.

DOA has Agriculture Technology Management Agency (ATMA), a society of key stakeholders involved in agricultural activities for sustainable agricultural development. It is a focal point for integrating Research and Extension activities and decentralizing day to day management of the public Agricultural Technology System. The objectives of ATMA include identification of specific needs of farming community for farming system based agricultural development, draw plans for production-based system activities to be undertaken by farmers/ultimate users, execute plans through line departments, training institutions, NGOs, farmer's organizations and allied institutions.

To coordinate efforts being made by various line departments, NGOs, farmers organizations and allied institutions to strengthen research extension-farmers linkages in the district and to promote collaboration and coordination between various State funded technical departments, empowerment of farmers and facilitate market interventions for value addition to farm produce.

## **SAMETI**

State Agricultural Management & Extension Training Institute (SAMETI) established under the Directorate of Agriculture is located at Ela farm, old Goa. It aims at capacity building programmes on Agricultural Technology, Extension Management, Extension Reforms and Information Technology.

Apart from conducting training programmes, SAMETI facilitates infrastructure to conduct workshops and reviews.

It further aims at providing consultancy in the areas of project planning, appraisal, implementation, monitoring & evaluation, etc, Develop and promote application of management tools for improving the effectiveness of Agricultural Extension services, Organize need based training programmes for middle level extension functionaries, Develop modules on Management, Communication, Participatory Methodologies etc, Organize Annual Workshop involving all the agricultural related training Institutes in the State to achieve complementarity in training and capacity building for functionaries of agriculture and allied departments.

## **Geographical Location**

Goa College of Agriculture is located in Ela farm complex, which also includes the Zonal Agriculture Office. It is located along Old Goa – Pilar Road in Tiswadi Taluka of North Goa District and comes under Old Goa village panchayat jurisdiction. The nearest city is Panjim situated at a distance of about 10 kilometers from the college.

The major economic activities in Old Goa and neighbouring villages are agriculture and pisciculture. Most of the population in village is engaged in agriculture either working in their own land or as daily wage earners in village and nearby cities. Some people are engaged in their traditional pisciculture mainly catching prawns and fishes entering sluice gates through sea water.

The people in the village are very amiable and are willing to engage in various activities with proper guidance.

## **Goa**

Goa encompassing an area of 3702 sq km is a small state on the south-western coast of India within the region known as Konkan, which is geographically separated from the Deccan highlands by the Western Ghats. It is surrounded by the Indian states of Maharashtra to the north and Karnataka to the east and south, with the Arabian Sea forming its western coast. It is a rich treasure of biodiversity with different flora and fauna. The Goa has about 60% of forest cover, the highest among states of India.

- Total geographical area: 3,702 Sq. Km (370200 ha)
- Total reported area according to village papers for land utilization: 36,1,113 ha
- Area under forest: 1,25,473 ha
- Net area sown: 1,29,131 ha
- Area sown more than once: 22,826 ha
- The gross cropped area: 1,51,957 ha

Agriculture is one of the important economic activities in the state. The weather in Goa is mostly suitable for horticultural crops. Rice and fish being the staple diet of the people, paddy becomes the major crop of Goa. The important crops, apart from paddy, ragi, pulses and vegetables are cash crops coconut, cashew-nut, areca nut, mango, jackfruit, banana, pineapple grown in abundance.

### **STATUS OF GOA COLLEGE OF AGRICULTURE**

The Goa College of Agriculture inaugurated by the Chief Minister of Goa Dr Pramod Sawant on 27<sup>th</sup> Sep 2022 and offering professional B. Sc. (Hons.) Agriculture degree is the first government Agriculture college affiliated to the Goa University, Govt of Goa. It is established to provide agriculture education to students from Goa and other states of India. The college adopts VIth Deans Committee syllabus provided by Indian Council of Agricultural Research, New Delhi, Govt of India. Its campus has spread to over 40 acres area comprising college building, laboratories, girls hostel, poly houses, experimental fields, has bio-formulation unit, vermicomposting, mushroom production, food processing training center, and honeybee rearing unit.

The students are provided with many facilities, which include library, wi-fi connectivity, common rooms, canteen, study room, playground etc.

The college organizes various hands-on trainings for students, entrepreneurs and youth from the state of Goa to develop technical skills for self-employment.

## **Future line of action**

1. Organic farming – organic cultivation of field crops, vegetables, horticulture crops.
2. Agriculture entrepreneurship – Food processing, honey production, dairy processing, mushroom cultivation, goatery, bio-formulations, nursery management and hydroponics.
3. MoU with different education institutes and industries.
4. Collaborative projects with NABARD and Directorate of Agriculture, Goa – Polyhouse cultivation, seed production, lab to land programs.

## **College Regulations**

### **CODE OF CONDUCT FOR STUDENTS**

1. Goa College of Agriculture always expects its students to conduct themselves with dignity, decency and decorum; they are expected to keep up to a very high moral and social behavior even outside the college campus to keep up the name of the college.
2. All the students are responsible to their conduct in the College premises. Students of this college shall abide by the rules that may be made by the Principal or by the persons authorized by him from time to time. Disobedience, misconduct, misbehavior, sexual harassment or failure to comply with any of the rules will entail punishment including expulsion from the college.
3. Every student must wear the College Identity Card during college hours, college and University examination. Failure to do so will entail a fine of Rs.100/- per violation. The Identity Card shall be returned to the College Office without fail for cancellation when the students leave the college.
4. No student should invite any outsider to attend classes, functions or for any other purpose without the prior permission of the Principal.
5. Students applying for certificates, testimonials, letters of reference or any other document requiring the Principal's signature should apply for the same in writing and claim them from the office after three days. No papers should be brought by the students directly to the Principal or Vice-Principal for signature.
6. Students should take particular care to be punctual at all lectures & practicals. Absence from a single lecture must be justified in writing and if the prolonged illness is the cause, a medical certificate must be submitted on the day of resuming class. On duty, record for absence due to participation in activities to be submitted on the following day of the activity.
7. Students are required to adhere to the Ordinance of Goa University. Please refer to the Goa University Ordinance.

8. Students are required to have a minimum attendance of 85% per course to be eligible to appear for the SEA.
9. Any student having grievance about his attendance should notify the college Principal in writing within three days from the date of declaration of attendance on the College Notice Board.
10. Students should read the notices displayed on the College notice board from time to time. However, some urgent notices may be read out in the classrooms.
11. Ragging is a cognizable offence and is banned in the institution. Anyone found indulging in 'ragging' is likely to be punished appropriately, which may include expulsion from the college by the principal.
12. Students will form no association and will arrange no meetings in the College, without prior permission of the principal.
13. Students should not loiter in the college corridor or cause disturbance on the College premises while the classes are in progress or at any other time.
14. Smoking on college premises is strictly prohibited.
15. Students are expected to take proper care of the college property and to help in keeping the premises neat and tidy; the damage done to the college property is a breach of discipline and will be dealt with severely.
16. Students will refrain from selling tickets or coupons of outside organizations in the college without the prior permission of the principal.
17. Letters received by day scholars, will not be delivered to them. Students are requested not to give the college address for their personal mail.
18. Students are not allowed to use cell phones in the classrooms. Violation of this rule would result in confiscation. The decision of the Principal in all matters shall be final and binding on all students.

## **ORDINANCE**

The Goa College of Agriculture is governed by Ordinance of the Goa University.

### **Ordinance governing the Bachelor of Science (Hons) Agriculture - B. Sc. (Hons.) Agriculture degree programme (Students admitted from Academic year 2025-26)**

#### **General**

The B. Sc. (Hons.) Agriculture degree curriculum has been developed under the ICAR Sixth Deans Committee Report-2024 in view of the National Education Policy 2020 (NEP-2020) to equip students with greater practical and entrepreneurship skills with multiple entry and exit options to facilitate students to pursue their degree in agriculture.

#### **Objectives**

1. To generate manpower in agriculture sector by training and developing technical skills.
2. To broaden students' knowledge, skills, and attitudes, and to adapt to a changing, complex and interdependent world.

#### **Duration of the Programme**

- (i) The duration of the UG Programme shall be of Four Years/Eight Semesters with multiple entry and exit options.
- (ii) The total duration for completion of the UG Programme shall not exceed seven years from the date of initial registration.
- (iii) Every Academic Year shall consist of two Semesters.
- (iv) A student shall be required to complete a minimum of 177 credits, comprising 167 credits of coursework and 10 credits of SWAYAM (MOOC) courses.
- (v) The number of credits for calculating CGPA shall exclude non-graded Courses such as Induction cum foundation course, SWAYAM (MOOC) Courses, Introductory mathematics (need based).

A student shall be required to complete a minimum of 181 Credits for the award of the Degree. The number of credits for calculating CGPA shall exclude non-graded Courses for Education Tour, Heritage, Human Values and Ethics, Forestry, Physical Education, NCC/NSS.

### Exit options

1. UG-Certificate in Agriculture (NEP-NHEQF Level 4.5) - exit after first year and completion of 10 weeks internship. Internship should be preferably arranged outside of the parent institution at any assigned organization/ industry/ research institution/ project or with a progressive farmer/ agri enterprise, etc.
2. UG-Diploma in Agriculture (NEP-NHEQF Level 5) - exit after second year and completion of 10 weeks' internship. Internship should be preferably arranged outside of the parent institution at any assigned organization/ industry/ research institution/ project or with a progressive farmer/ agri enterprise, etc.
3. B.Sc. (Hons) Agriculture (NEP-NHEQF Level 6) - on successful completion of four-year degree requirements.

### Types of courses and learning outcomes for the restructured undergraduate programs for the HAEIs

Year	Types of courses	Learning outcome	Exit option
YEAR 1 NHEQF Level 4.5	Foundation courses, introductory courses and skills enhancement training/ training in the chosen area, ability enhancement courses	Students will acquire the basic knowledge in respective disciplines and adequate skill in some selected areas, to enable them for employment/ entrepreneurship	A student must complete 10 weeks of internship (10 credits) after 1st year if exit with UG-Certificate is opted
YEAR-2 NHEQF Level 5	Basic core courses and additional skill enhancement in chosen areas/ courses	Students will acquire the higher level knowledge in respective disciplines and adequate skill in some selected areas, to enable them for employment at middle level/ supervisory level or for entrepreneurship	A student must complete 10 weeks of internship (10 credits) after 2nd year if exit with UG-Diploma is opted

A student shall be required to complete a minimum of 181 Credits for the award of the Degree. The number of credits for calculating CGPA shall exclude non-graded Courses for Education Tour, Heritage, Human Values and Ethics, Forestry, Physical Education, NCC/NSS.

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YEAR-3	Advanced core subjects and their practical applications	Students will have deeper understanding of the subjects and their major application areas	No exit after 3rd year
YEAR-4 NHEQF Level 6	Specialization/ Elective courses and advanced skill enhancement through project and internship	Students will acquire advanced knowledge and skill in different areas so as to meet the higher order requirements of the society and industry as well as other prospective employers. It will also enable the graduates to become a job provider rather than being a job seeker through establishment of enterprises in concerned fields.	UG degree in concerned discipline

### **Admission criteria**

- a. A candidate who has passed the HSSC Examination or its equivalent, with Physics, Chemistry, Biology/Vocational Horticulture/Floriculture, and Mathematics and obtained minimum 50% marks in aggregate, shall be eligible for admission (XIIth Science with Physics, Chemistry, Biology or Physics, Chemistry, Maths or Physics, Chemistry, Biology, Maths or Vocational Horticulture/floriculture with Chemistry, Biology).
- b. A candidate who does not have Mathematics at the HSSC Examination shall be eligible for admission but shall have to complete a Bridge Course in Mathematics in Semester I.
- c. A candidate who does not have Biology at the HSSC Examination shall be eligible for admission but shall have to complete a Bridge Course in Biology in Semester I.
- d. Students for admission to B. Sc. (Hons.) Agriculture will be selected based on percentage of marks scored in XIIth Science.

- e. Totally 60 students will be admitted to the first year B. Sc. (Hons.) Agriculture on merit considering Reservation Policy of the Government.
- f. Reservation for two seats each for the candidate with UG-Certificate in Agriculture and UG-Diploma in Agriculture.
- g. The lateral entry at 3rd semester will be for the candidates having UG-certificate in Agriculture or those having a Diploma from polytechnics (after completion of 3 years course after 10th in related disciplines) will be entitled to take admission in the 2nd year (3rd semester) program.
- h. The lateral entry in 5th semester will be for candidates who have completed UG-Diploma in Agriculture.
- i. Admission on lateral entry shall be subject to availability of seats and fulfilment of eligibility conditions decided by the Equivalence committee appointed by the Vice-Chancellor.
- j. The college may admit students either by holding its own admission test or as per the ICAR guidelines notified from time to time.

### **Reservation Policy**

The College follows the Reservation Policy of the Government of Goa

<b>OBC</b>	<b>ST</b>	<b>SC</b>	<b>PD</b>	<b>EWS</b>
27%	12%	2%	5%	10%

## **Course duration and Attendance**

Students who exit with a UG- Certificate or UG- Diploma are permitted to re-enter within three academic years and complete the degree programme.

Students are permitted to take a break from the study during the period of study but the total duration for completing the programme shall not exceed 7 years.

Every student shall attend all lectures and practicals and fulfil 80% attendance. If a student fails to attend 80% of the total number of scheduled lectures, and practical held during a semester, he/she shall not be eligible to appear at the semester end examination and shall repeat the course (s) when offered.

Absence on medical grounds for more than four continuous working days is required to be supported with a Medical Certificate which should be submitted within seven days after rejoining classes.

Absence beyond 25% maybe condoned on medical grounds.

Students participating in sports at the Inter-collegiate Championship level may be given up to 15% relaxation in attendance. Further, a student who participates in two or more Inter-collegiate Championships may be given an additional 10% relaxation in attendance.

A student representing the University at Inter University Championships or the State at National level Championships or higher levels, may be given relaxation of up to 50% in attendance.

However, the maximum relaxation permissible to a student on all accounts shall not be more than 50%.

A student who has fulfilled the 80% attendance, appeared for examination and failed/not appeared for examination will be exempted from attending the classes again.

## **Class/Division strength**

The number of students in a class/division shall be 60.

## **Academic Programme Structure**

- a. Totally 177 credits, comprising 167 credits of coursework and 10 credits of SWAYAM (MOOC) courses are required to complete the degree program.
- b. The structure for the four-year Degree Programme in B. Sc. (Hons.) Agriculture comprises eight Semesters consisting of courses, which are assigned course number, title and a number of credits.
- c. The maximum number of Credits per Semester shall be twenty-five.
- d. One credit of a theory course shall be equivalent to 16 contact hours including lectures, learning, seminars, group discussions, problem solving, assignments and related activities.
- e. Each credit of theory and tutorial class shall consist of 1 hour and practical shall be of 2 contact hours.
- f. One credit of practicum or laboratory work, community engagement and services, and field work shall comprise of 32 hours.

## **Types of courses**

### **a. Induction cum Foundation course**

An induction cum foundation course, a non-gradual course is offered at the beginning of the first semester for a duration of two weeks. This will create a platform for students to learn from each other's life experiences, help for cultural Integration of students from different backgrounds, know about the operational framework of academic process in university, instilling life and social skills, social awareness, ethics and values, teamwork, leadership, creativity, etc. It will also help in identifying the traditional values and indigenous cultures along with diverse potentialities both in indigenous and developed scenario. There will be sessions by alumni, business leaders, outstanding achievers in related fields, people with inspiring life experiences as well as the University academic and research managers.

### **b. Core courses (Major & Minor/s)**

Students will acquire the higher level knowledge in respective disciplines and adequate skill in some selected areas, to enable them for employment at middle level/ supervisory level or for entrepreneurship

### **c. Common courses (MDC+VAC+AEC)**

These courses, in addition to giving the students a broader view of agriculture and allied sectors, will enable them for better communication skills and personality development. Besides, this will also help them to look beyond the boundaries of their own subject/discipline, and collaborate in future with other sectors to face the next generation challenges from a holistic point of view.

### **d. Entrepreneurship development program**

Entrepreneurship is a key driver of the economy of a nation, which has been encouraged through NEP-2020. Expectation is that an early orientation of the young minds towards skill enhancement and entrepreneurship will inculcate entrepreneurial mind set, allowing them to have first-hand experience of working with institutions, organizations, companies, industrial setup and investors so as to understand their dynamics in the real-world setting.

#### **1. Skill Enhancement Courses (SEC)**

The skill enhancement programs will be choice based; student can choose the areas of skill enhancement from a bouquet of skill enhancement modules offered by the institution. The institutions will develop capabilities for offering such courses.

#### **2. Internship/ Student READY**

The internship proposed under NEP-2020 have been an integral part of agricultural education under the broad category of Student READY programs. It includes various activities such as Experiential Learning/ Hands-on Training, Skill Development Training, Rural Agriculture Work Experience (RAWE), In-Plant Training/ Industrial Attachment and Students' Projects.

#### **3. Projects**

This will enable the students to develop required competencies and skill in either research or entrepreneurship or potential employment avenues rather than having only mere qualifications, choose appropriate career in research or employment/ entrepreneurship, discover their interests, aptitudes and potentialities and maximise his/her potentialities and self-confidence. It will also add to creativity and critical thinking of the students. This will also help the students gain research skills and be more innovative in planning, executing, reporting and presenting the things.

#### **4. Study Tour**

There will be a study tour of 10-14 days' duration during the 5th semester of the UG programme. The students will preferably visit the leading industries/ enterprises/ institutions/ organisations and other places of academic interest outside the state (of location of the institution). This, in addition to exposing the students to the indigenous as well as the latest technologies in their related fields, will also help the students to know about the socio-economic-cultural variations within the country. The course will be of 0+2 credits, non-gradual.

#### **5. Online SWAYAM (MOOC) courses**

The students will have to take a minimum of 10 credits of online SWAYAM (MOOC) courses, comprising one or more courses, as a partial requirement for the UG programme. The online courses can be from any field such as Basic Sciences, Humanities, Psychology, Anthropology, Economics, Engineering, Business Management, Languages including foreign language, Communication skills/ Music, etc. and can be taken from any online portal.

(As per UGC guideline, a 1- to 3- credit SWAYAM (MOOC) course is expected to be covered in 4-12 weeks' duration including the assessment component, in which it should be 40 hours for 3- credit courses to 80 hours for a 6-credit course for the learning from e-content, reading references material, discussion forum posting and assignment.)

The objective is to allow the students to groom their passion or strengthen their knowledge and competency in any field beyond prescribed courses. The courses will be non-gradual as separate certificates would be issued by institutes offering the courses. These can be taken any time during the duration of UG program, but preferably during the 3rd and 4th years.

The SWAYAM (MOOC) courses shall be approved by BoS in Agriculture.

## 6. Elective courses

The institutions will offer a bouquet of Elective courses to be offered to the students. The students will have the freedom to choose a subject among these courses. The institutions should develop capabilities to offer maximum of the Elective courses proposed in this report. The institutions will also have the liberty to develop and offer more Elective courses relevant to the subject as per local/ regional needs and available expertise. The elective courses can be offered from other disciplines in a Universality/HAEI.

## 7. Imparting Traditional Knowledge, Values and Ethics

Due emphasis has been given for imbibing the traditional knowledge, values and ethics among the students through different courses like the Deeksharambh, NCC and NSS.

### Credit Hours Allocation

Totally 177 credits, comprising 167 credits of coursework and 10 credits of SWAYAM (MOOC) courses are recommended for the B. Sc. (Hons.) Agriculture degree program as per the details provided in Table - A.

**Table-A: Summary of credit distributions among different categories of courses (Credit hours)**

Semester	Core Courses (Major and Minor)	Multi-Disciplinary Course (MDC)	Value Added Course (VAC)	Ability Enhancement Course (AEC)	Skill Enhancement Course (SEC)	Internship/ Project/ Student READY	Total Credits	Non gradial	Internship	Online course / SWAYAM (MOOC)
I	11	3(3)	---	1(4)+2(5)	4		21	2(1)+ 1/2(2)	----	10(15)
II	11	---	3(6)	1(4)+2(7)	4		21		10(13)	
III	14	3(8)	---	2(9)	2		21		---	
IV	16	---	3(10)	----	2		21		10(14)	
V	19	3(11)	----	----	----		22	2(12)	----	
VI	21	—	---	---	---		21		---	
VII	20	--	--	---	--		20		--	
VIII		--	--	---	--	20	20			
<b>Total</b>	<b>112</b>	<b>9</b>	<b>6</b>	<b>8</b>	<b>12</b>	<b>20</b>	<b>167</b>	<b>5/6</b>	<b>20</b>	<b>10</b>

- (1) Deeksharambh (Induction-cum-Foundation Course) of 2 credits (2 weeks duration).
- (2) Remedial Course: Mathematics of 1 credit/Biology of 2 credits.
- (3) Farming based Livelihood systems.
- (4) NCC/NSS.
- (5) Communication Skills
- (6) Environmental Studies and Disaster management
- (7) Personality development
- (8) Entrepreneurship Development and Business Management
- (9) Physical Education, First Aid and Yoga Practices
- (10) Agricultural Informatics and Artificial Intelligence
- (11) Agricultural Marketing and Trade
- (12) Study tour (10-14 days)
- (13) Only for those opting for an exit with UG-Certificate and
- (14) Only for those opting for an exit with UG-Diploma
- (15) Online course: student will make his own planning and execution of online courses with intimation to the Dean.

### Summary of Credit Distributions

Type of courses	Credits
Core courses (Major & Minor/s)	112
Common courses (MDC+VAC+AEC)	23
Skill Enhancement Courses (SEC)	12
Internship/ Student READY	20
**MOOCS/SWAYAM	10 non-gradual
<b>Total</b>	<b>167+10**</b>

## Scheme of Examination

The uniform system of evaluation and grading with Grade point average (GPA) system will be adopted. The pattern of examination and evaluation is recommended as per Table – B.

**Table – B. Examination and Evaluation system**

Type of courses	Quiz/ Progressive assessment (ISA)	Internal theory (Mid- term) (ISA)	External theory (SEA)	Final Practical (SEA)
For courses having both Theory and Practical components	20%	20%	40%	20%
For courses with Theory only	20%	30%	50%	-
Courses with Practical only	20%	30%	-	50% (Internal)

- i. The University shall conduct External theory examination of Semester I to VII as per Ordinance OB-4. The question paper shall be obtained from External experts. The senior faculty member in the subject shall be appointed as the Convenor during OB-4 meeting. The Convenor of the respective department shall ensure due coverage of the syllabus with the provision of moderation, if necessary. Paper evaluation to be done by a faculty other than the course instructor(s).
- ii. The external theory examinations should be of 2 to 2.5 hours' duration and the mid- term examinations should be normally of 1-hour duration. The format of assessment and duration of quizzes/ progressive assessment duration will depend upon the course teacher.
- iii. For courses having both theory and practical components, practical examination to be conducted by the course instructor and one faculty nominated by the Principal/HoD of the concerned Department.
- iv. For courses with only practical component, final practical examination shall be conducted by the Course instructor and one external faculty nominated by the Principal/HoD of the concerned Department.

- v. The evaluation of the skill enhancement courses shall be done as courses with practical only.
- vi. Usually for any subject, there will be two quizzes within the semester, one before the mid-term and one after. There will be provision of corrections in between, i.e. the students scoring lower than 50% marks in any one quiz can opt for appearing for a third quiz to improve their grades. The assessment of the students through quizzes should focus on their critical thinking and creativity rather than rote reading.
- vii. The quiz and progressive assessment can also be considered in form of group assignments.
- viii. The evaluation of internship shall be done both by the parent institute and the host industry/organisation. It should be 50% weightage for each. The student shall submit a report to the parent institute and present the learnings before the other students and faculty after the internship programme. The format of evaluation may be developed by the parent institute.
- ix. The online/SWAYAM (MOOC) courses, successfully completed by the student, will be indicated in the transcript with 'Satisfactory' remark.
- x. When students take deficiency course(s), they will be assessed as 'Satisfactory' or 'Un- satisfactory' without any grade points.
- xi. The evaluation will be done on a 10-point scale - 10 point = 100 marks
- xii. The per cent of marks in a subject will be divided by 10 to obtain the grade point.
- xiii. The grade point average for a semester will be calculated as follows.

$$\text{GPA} = \frac{\Sigma (\text{Grade point} \times \text{credit hours}) \text{ in one semester}}{\text{Total credit hours in the semester}}$$

- xiv. The Cumulative grade point earned at any stage of the course will be calculated as cumulative grade point average (CGPA) as follows.

$$\text{CGPA} = \frac{\Sigma (\text{Grade point} \times \text{credit hours}) \text{ until last semester}}{\text{Total credit hours until last semester}}$$

- xv. If a student passes in a subject in a second attempt, for calculation of CGPA, the grade point for the subject in the second attempt will only be considered. The final CGPA will be named as overall grade point average (OGPA), which will be mentioned in the final transcript of the students.

## **Award of Divisions**

The award of the divisions will be as follows:

### **Award of the divisions**

<b>OGPA</b>	<b>Division</b>
5 to <6	Pass
6 to <7	II division
7 to <8	I Division
>=8	1st division and distinction

## **Revaluation**

There shall be revaluation as per the Ordinance OA-5.15.

## **Standard of Passing**

- i. A student is required to score a minimum of 50% of the combined marks in ISA and SEA in each Course.
- ii. There shall be a combined head of passing for theory and practical for the courses having theory as well as practical components.

## **Declaration of Results**

- a. The statement of marks or Grade Card on the ten-point scale for Semesters I to VIII of B. Sc. (Hons.) Agriculture shall be issued by Goa University.
- b. The statement of marks or Grade Card on the ten-point scale for UG-Certificate in Agriculture, UG-Diploma in Agriculture shall be issued by Goa University.

## **Repeat Examination**

- a. A student failing in a course shall be entitled for the second attempt in examination in subsequent academic years. The marks scored by student in Quiz/Progressive Assessment (ISA) and Internal theory (Mid-term) (ISA) during the first attempt shall be carried forward.
- b. If a student is not able to pass the course in the second attempt in examination, then s/he shall have to repeat the course in subsequent academic years.

## **Eligibility for admission to subsequent Semesters**

- i. A student admitted for semester I shall be deemed eligible for admission to semesters II, III and IV.
- ii. A student has no backlogs of semesters I and II to be eligible for admission to semester V.
- iii. A student has no backlogs of semesters I and IV to be eligible for admission to semester VII.

## **College Examination Committee**

College Examination Committee shall consist of:

- i) A senior teacher who shall be the Chairperson
- ii) Two to four regular teachers (In addition to the Chairperson)

There shall be no remission in work-load.

- a. This Committee shall be in-charge of all matters pertaining to all the Semester examinations in the College.
- b. The Committee shall prepare the examination time-table, arrange to get the question paper sets printed, answer books assessed, results tabulated and announced, and individual statement of marks prepared and issued to the candidates.

## **College Unfair Means Inquiry Committee (CUMIC)**

College Unfair Means Inquiry Committee (CUMIC) shall be constituted with the following members.

- i) Vice-Principal or a senior teacher as Chairperson
  - ii) Two members of the College Examination Committee
- (a) This Committee shall investigate into the cases of unfair means and malpractices reported in a manner prescribed below and shall recommend to the Principal a course of action.
- (b) The following procedure shall be followed for investigating the cases of candidates alleged to have used unfair means at the internal and external examinations.
- (i) The candidate shall be served with a show cause notice and made aware of the charges/ allegations reported against him/her so as to enable him/her to prepare his/her defence at the time of appearance before the CUMIC and informing him/her thereby of the proposed action to be taken in his/her case, with a request to bring a written reply at the hearing as to why the action proposed should not be taken against him/her.
  - (ii) The reply received by the Committee from the candidate when he appears before it shall be considered by the Committee and the final recommendation in the matter be taken and reported to the Principal for his approval.
  - (iii) The punishment finally awarded shall be equal to or less than what is mentioned in the show cause notice, but not more than what is mentioned therein.

- (iv) The CUMIC is a recommendatory body. The Principal has to exercise his/her power under Statute SB-13(iv) of the University and issue a final order.
- (v) The category of malpractice and the quantum of punishment for each category there of shall be as given in Ordinance OA-5.14.19.
- (vi) In addition to these guidelines, each case be examined in detail and punishment awarded on the merit of each case.

### **College Grievance Committee (CGC)**

College Grievance Committee (CGC) shall be constituted as under

- i) Vice-Principal/Senior member of teaching staff as Chairperson, provided that he is not the Chairperson of CUMIC.
- ii) Two regular teachers, who are not members on CUMIC or the College Examination Committee.
  - (a) In case the grievance concerns any member of the committee, the Principal shall reconstitute the committee, excluding the concerned member.
  - (b) This committee shall investigate into written complaints from the students referred to them by the Principal in the conduct of examinations in a manner as prescribed below, and recommend a course of action to the Principal as prescribed in OA- 5.14.
    - (i) The Committee shall consider the written complaint of a student on the conduct of examination provided that (i) the complaint is submitted within 15 days after the declaration of results;
    - (ii) the complaint is accompanied with a prescribed fee of Rs.200/- or as notified from time to time, which shall be refundable if the complaint is found genuine; and(iii) the matter is referred to the Committee by the Principal.
    - (ii) The Committee shall seek necessary explanation in connection with allegations made by the student, from the concerned party.
    - (iii) After considering the explanation from the concerned party, the committee shall recommend a course of action in writing to the Principal.
    - (iv) The Principal shall inform the student about the findings of the Committee and shall take appropriate action including reassessment of the said answer book.

However, if the marks are reduced after revaluation of the said answer book the original marks shall be retained and the student informed that there is no changes in his/her result.
    - (v) A fine as per OA - 5.2.6, shall be imposed on the student complainant, if the said allegation(s) is/ are found to be a deliberate attempt at casting aspersions on the teacher(s) concerned. If the allegations are found to be genuine and the same is recorded giving reasons, the action shall be taken as provided under OA-5.2.6.

## Fee Structure

Directorate of Higher Education will collect the fee in an online mode  
Fee structure is subject to changes as per the guidelines of the DHE

### Fee Structure (Students with Domicile)

Sr. No.	Fee Head	First Year	Second Year	Third Year	Fourth Year
1	Tuition Fees (I & II Semesters)	20,000	20,000	20,000	20,000
2	Registration fees	695	-	-	-
3	Library Fee	800	800	800	800
4	Gymkhana Fee	500	500	500	500
5	Cultural/Other fee	500	500	500	500
6	Student Aid Fund	130	130	130	130
7	Library Deposit	2,000	-	-	-
8	Laboratory Deposit	2,000	-	-	-
9	Caution money Deposit	1,750	-	-	-
10	Laboratory Fee	2,200	2,500	2,500	2,500
11	IT Charges	900	900	900	900
12	IAIMS	225	225	225	225
13	ID Card	150	150	150	150
14	PTA	500	500	500	500
15	Magazine/ Acad. Diary/ Placement Brochure	500	500	500	500
16	Field trips	1,800	1,000	1,000	1,000
17	Academic restructuring	1500	1500	1500	1500
	<b>Total Fee</b>	<b>36,150</b>	<b>29,205</b>	<b>29,205</b>	<b>29,205</b>

Separate Examination fee will be charged as per the Goa University guidelines

### FEE Structure (Students without Domicile)

Sr. No.	Fee Head	First Year	Second Year	Third Year	Fourth Year
1	Tuition Fees (I & II Semesters)	80,000	80,000	80,000	80,000
2	Registration fees	695	-	-	-
3	Library Fee	800	800	800	800
4	Gymkhana Fee	500	500	500	500
5	Cultural/Other fee	500	500	500	500
6	Student Aid Fund	130	130	130	130
7	Library Deposit	2,000	-	-	-
8	Laboratory Deposit	2,000	-	-	-
9	Caution money Deposit	1,750	-	-	-
10	Laboratory Fee	2,200	2,500	2,500	2,500
11	IT Charges	900	900	900	900
12	IAIMS	225	225	225	225
13	ID Card	150	150	150	150
14	PTA	500	500	500	500
15	Magazine/ Acad. Diary/ Placement Brochure	500	500	500	500
16	Field trips	1,800	1,000	1,000	1,000
17	Academic restructure & development	1500	1500	1500	1500
	<b>Total Fee</b>	<b>96,150</b>	<b>89,205</b>	<b>89,205</b>	<b>89,205</b>

**Separate Examination fee will be charged as per the Goa University guidelines**

### **Refund of tuition and other fees:**

- a. Fee deposited by a student will be refunded as per below guidelines provided by Goa University vide letter no. GU/130/Acad-PG/Refund-of-fees/327 dated 23/11/2019

<b>Sl. No.</b>	<b>Point of time when notice of withdrawal of admission is served to College/University</b>	<b>% Refund of Aggregate fees*</b>
1.	15 days or more before the formally notified last date of admission	100%
2.	Less than 15 days before the formally notified last date of admission	90%
3.	15 days or less after the formally notified last date of admission	80%
4.	More than 15 days but less than 30 days after formally notified last date of admission from the last date of admission	50%
5.	More than 30 days after formally notified last date of admission	00%

*\*(Inclusive of tuition fees and non-tuition fees but exclusive of Caution Deposit and Security Deposit)*

- b. Caution Deposit and Security Deposit shall be refunded in full.
- c. In case of (1) in the table above, 5% of the fees paid by the student, subject to a maximum of Rs. 5000/- shall be deducted as processing charges from the refundable amount.

**Mentoring:**

Each student admitted to college will be mentored by staff members on their academic and co-curricular development.

**College Uniform:**

Each student should wear uniform in college and white lab coat during practicals.

**College Library:**

The college library has a collection of textbooks, reference books, journals, e-books and magazines for the benefit of students. The students are allowed to take 3 books at a time for the duration of 7 days. Book Bank Scheme facility is available for students belonging to ST/SC/OBC where students are issued 5 textbooks for one Semester.

**Hostel Facility:**

Hostel facility for boys and girls is available for students preferably staying at distant places. The students desirous of staying in hostel should submit the application to hostel authority.

**Canteen Facility:**

Canteen facility is provided in college campus for the benefit of students and staff members.

**Student Requirements**

- 1) Uniform
- 2) Lap top
- 3) Android Mobile
- 4) Lab coats
- 5) "T" shirts for field work (*as suggested by the college*)
- 6) Gardening and field kits

**Academic Calendar:**

The academic year will commence from June 2026-27.

## Departments

Sl no	Departments/Subjects
1	Agronomy
2	Horticulture
3	Soil Science and Agricultural Chemistry
4	Agricultural Entomology
5	Plant Pathology + Agricultural Microbiology
6	Agricultural Botany/Genetics and Plant Breeding + Crop Physiology + Biochemistry/Biotechnology
7	Agricultural Economics
8	Agricultural Statistics
9	Agricultural Engineering
10	Animal Husbandry and Dairy Science
11	Agricultural Extension
12	Comprehension & Communication Skills in English
13	Student's welfare – NSS and Physical Education

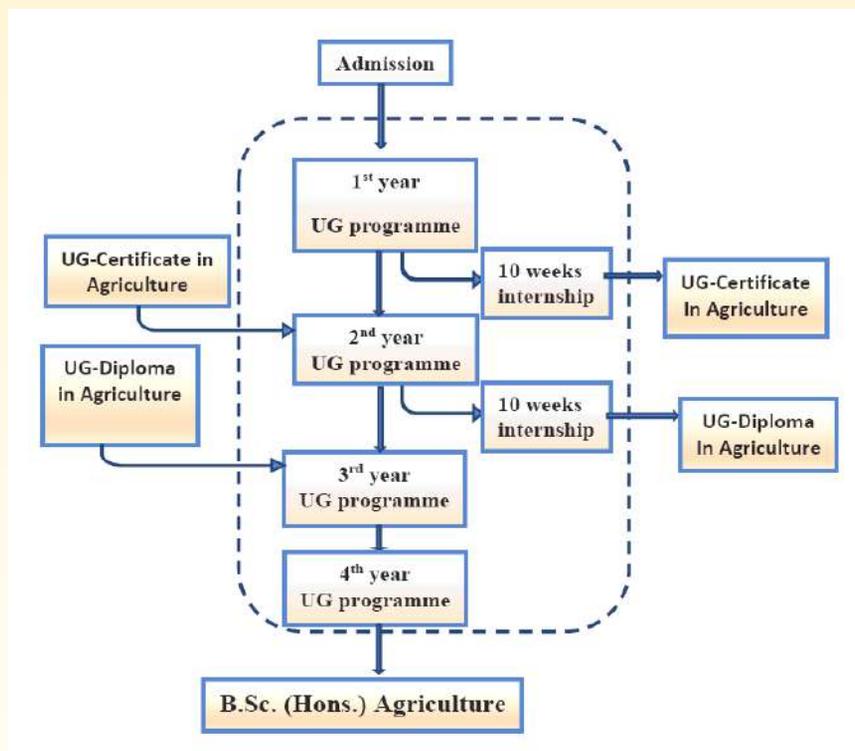
## SYLLABUS

### **Bachelor of Science (Hons) in Agriculture - B. Sc. (Hons.) Agriculture**

Bachelor of Science (Hons) in Agriculture - B. Sc. (Hons.) Agriculture is a four-year degree program comprising eight semesters. The program is of 177 credits, which will have 167 credits offered by the parent university and 10 credits of online courses taken by the student as per choice in consultation with university/HAEIs.

### **Entry and Exit options for students for the UG programme in Agriculture**

#### **SEMESTER-WISE COURSES FOR B. Sc. (Hons.) AGRICULTURE FIRST YEAR - SEMESTER - I**



### **Entry and Exit options for students**

1. UG-Certificate in Agriculture (Exit after the first year and completion of 10 weeks' Internship).
2. UG-Diploma in Agriculture (Exit after second year and completion of 10 weeks' Internship).
3. B. Sc. (Hons.) Agriculture (On successful completion of four-year degree requirements).

S. No	Course Title	Credit Hours	Total credit hours
<b>First year</b>			
<b>I Semester</b>			
1	<i>Deeksharambh</i> (Induction cum Foundation course)	1 week (NG) Non-gradual	<b>21(11+10)</b>
2	Skill Enhancement course-I*	2(0+2)	
3	Skill Enhancement course-II*	2(0+2)	
4	Communication Skills	2(1+1)	
5	Farming based livelihood systems	3(2+1)	
6	Rural Sociology and Educational Psychology	2 (2+0)	
7	Fundamentals of Agronomy	3(2+1)	
8	Fundamentals of Soil Science	3(2+1)	
9	Fundamentals of Horticulture	3(2+1)	
10	National Service Scheme (NSS-I)/ National Cadet Corps (NCC-I)	1(0+1)	
11	Introductory mathematics (need based)	1(1+0) Non-gradual	

<b>II Semester</b>			
1	Skill Enhancement course-III*	2(0+2)	<b>21(10+11)</b>
2	Skill Enhancement course-IV*	2(0+2)	
3	Personality Development	2(1+1)	
4	Environmental Studies and Disaster Management	3(2+1)	
5	Soil Fertility Management	3(2+1)	
6	Fundamentals of Entomology	3(2+1)	
7	Livestock and Poultry Management	2(1+1)	
8	Fundamentals of Plant Pathology	3(2+1)	
9	NCC-II/NSS-II	1(0+1)	

<b>Second year</b>			
<b>III Semester</b>			
1	Skill Enhancement course-V*	2(0+2)	<b>21(9+12)</b>
2	Entrepreneurship Development and Business Communication	3 (2+1)	
3	Physical Education, First Aid, Yoga Practices and Meditation	2(0+2)	
4	Principles of Genetics	3(2+1)	
5	Crop Production Technology-I ( <i>Kharif</i> crops)	3(1+2)	
6	Production Technology of Fruit and Plantation Crops	2 (1+1)	
7	Fundamentals of Extension Education	2(1+1)	
8	Fundamentals of Nematology	2(1+1)	
9	Principles and Practices of Natural Farming	2(1+1)	

<b>IV Semester</b>			
1	Skill Enhancement course-VI*	2(0+2)	<b>21(11+10)</b>
2	Agricultural Informatics and Artificial Intelligence	3(2+1)	
3	Production Technology of Vegetables and Spices	2(1+1)	
4	Principles of Agricultural Economics and Farm Management	2(2+0)	
5	Crop Production Technology-II ( <i>Rabi</i> Crops)	3(1+2)	
6	Farm Machinery and Power	2 (1+1)	
7	Water Management	2 (1+1)	
8	Problematic Soils and their management	2(1+1)	
9	Basics of Plant Breeding	3(2+1)	

<b>Third year</b>			
<b>V Semester</b>			
1	Agricultural Marketing and Trade	3 (2+1)	<b>22(13+9)</b>
2	Introduction to Agro-meteorology	2(1+1)	
3	Fundamentals of Crop Physiology	3(2+1)	
4	Pest management in Crops and Stored Grains	3 (2+1)	
5	Diseases of Field & Horticultural Crops & their Management	3(2+1)	
6	Crop Improvement ( <i>kharif</i> crops) - I	2 (1+1)	
7	Weed Management	2(1+1)	
8	Ornamental Crops, MAPs and Landscaping	2 (1+1)	
9	Introductory Agro forestry	2 (1+1)	

<b>VI Semester</b>			
1	Fundamentals of Agri Biotechnology	3(2+1)	<b>21(12+9)</b>
2	Basic and Applied Agril Statistics	3(2+1)	
3	Crop Improvement ( <i>Rabi</i> crops) - II	2(1+1)	
4	Renewable energy in Agriculture and Allied Sector	2(1+1)	
5	Dryland agriculture/ Rainfed agriculture and watershed management	2(1+1)	
6	Agricultural Microbiology and Phyto -remediation	2(1+1)	
7	Agricultural Finance & Cooperation	2(1+1)	
8	Essentials of Plant Biochemistry	3 (2+1)	
9	Fundamentals of Seed Science & Technology	2(1+1)	

<b>Fourth year</b>			
<b>VII Semester</b>			
<b>1</b>	5 Elective Courses (major or minor) each of 4 (3+1) credits for B.Sc. (Hons) Agriculture degree		<b>20(15+5)</b>
<b>VIII Semester</b>			
<b>1</b>	For B.Sc. (Hons)Agriculture Degree Student READY :RAWE/ Industrial Attachment /Experiential Learning / Hands-on Training/ Project Work / Internship		<b>20 Credits</b>
		<b>Total</b>	<b>167</b>
	<b>*Online courses</b>	10	<b>10</b>
		<b>Grand Total</b>	<b>167+10*</b>

\* From the bouquet of Skill Enhancement Course (SEC) modules

### Department/section wise course breakup

S. No	Course title	Credit Hours	Total
<b>Agronomy</b>			
1	Fundamentals of Agronomy	3 (2+1)	<b>22 (11+11)</b>
2	Farming based livelihood systems	3 (2+1)	
3	Crop Production Technology-I ( <i>Kharif</i> Crops)	3 (1+2)	
4	Crop Production Technology-II ( <i>Rabi</i> Crops)	3(1+2)	
5	Water Management	2 (1+1)	
6	Weed Management	2 (1+1)	
7	Introductory Agro forestry	2 (1+1)	
8	Dryland agriculture/ Rainfed agriculture and watershed management	2 (1+1)	
9	Principles and Practices of Natural Farming	2 (1+1)	
<b>Soil Science:</b>			
1	Fundamentals of Soil Science	3 (2+1)	<b>8 (5+3)</b>
2	Soil Fertility Management	3 (2+1)	
2	Problematic Soils and their management	2 (1+1)	
<b>Horticulture</b>			
1.	Fundamentals of Horticulture	3 (2+1)	<b>9 (5+4)</b>
2.	Production Technology of Fruit and Plantation Crops	2 (1+1)	
3.	Production Technology of Vegetables and Spices	2 (1+1)	
4.	Ornamental Crops, MAPs, and Landscaping	2 (1+1)	
<b>Genetics and Plant Breeding</b>			
1.	Principles of Genetics	3 (2+1)	<b>12 (7+5)</b>
2.	Basics of Plant Breeding	3 (2+1)	
3.	Crop Improvement ( <i>Kharif</i> crops) - I	2 (1+1)	
4.	Crop Improvement ( <i>Rabi</i> crops)- II	2 (1+1)	
5.	Fundamentals of Seed Science and Technology	2 (1+1)	
<b>Entomology</b>			
1.	Fundamentals of Entomology	3 (2+1)	<b>6 (4+2)</b>
2.	Pest management in Crops and Stored Grains	3 (2+1)	
<b>Plant Pathology</b>			
1.	Fundamentals of Plant Pathology	3 (2+1)	<b>8 (5+3)</b>
2.	Diseases of Field & Horticultural Crops & their Management	3 (2+1)	
3.	Agricultural Microbiology and Phyto-remediation	2 (1+1)	

<b>Extension Education</b>			
1.	Rural Sociology and Educational Psychology	2 (2+0)	<b>8 (5+3)</b>
2.	Fundamentals of Extension Education	2 (1+1)	
3.	Communication skills	2 (1+1)	
4.	Personality development	2 (1+1)	
<b>Agricultural Meteorology</b>			
1.	Environmental Studies and Disaster mgt.	3 (2+1)	<b>5 (3+2)</b>
2.	Introduction to Agro-meteorology	2 (1+1)	
<b>Agricultural Economics</b>			
1.	Principles of Agricultural Economics and Farm Management	2 (2+0)	<b>9 (6+3)</b>
2.	Entrepreneurship Development and Business Communication	3 (2+1)	
3.	Agricultural Marketing and Trade	2 (1+1)	
4.	Agricultural Finance & Cooperation	2 (1+1)	
<b>Agricultural Statistics</b>			
1.	Agricultural Informatics and Artificial Intelligence	3 (2+1)	<b>6 (4+2)</b>
2.	Basic and Applied Agril Statistics	3 (2+1)	
3.	Introductory Mathematics	1 (1+0)	
<b>Agricultural Engineering</b>			
1.	Farm Machinery and Power	2 (1+1)	<b>4 (2+2)</b>
2.	Renewable energy in Agriculture and Allied Sector	2 (1+1)	
<b>Nematology</b>			
1.	Fundamentals of Nematology	2 (1+1)	<b>2 (1+1)</b>
<b>Biochemistry</b>			
1.	Essentials of Plant Biochemistry	3 (2+1)	<b>3 (2+1)</b>
<b>Crop Physiology</b>			
1.	Fundamentals of Crop Physiology	3 (2+1)	<b>3 (2+1)</b>
<b>Animal Husbandry</b>			
1.	Livestock and poultry Management	2 (1+1)	<b>2 (1+1)</b>
<b>Agricultural Bio-technology</b>			
1.	Fundamentals of Agri Biotechnology	3 (2+1)	<b>3 (2+1)</b>
<b>Students' Welfare</b>			
1.	NCC/NSS	1 (0+1)	<b>1 (0+1)</b>
2.	NCC/NSS	1 (0+1)	<b>1 (0+1)</b>
3.	Physical Education, First Aid and Yoga Practices	2 (0+2)	<b>2 (0+2)</b>
4.	Study Tour	2 (0+2)	<b>2 (0+2)</b> Non gradial

<b>*Elective Courses (Indicative)</b>			
1	Agri-Business Management	4 (3+1)	<b>20*(15+5)</b> 5* Elective Courses
2	Management of natural resources	4 (3+1)	
3	Agrochemicals	4 (3+1)	
4	Agricultural Journalism	4 (3+1)	
5	Landscaping	4 (3+1)	
6	Commercial Plant breeding	4 (3+1)	
7	Food safety and standards	4 (3+1)	
8	Bioformulation and Nano formulation	4 (3+1)	
9	Biopesticides and Biofertilizers	4 (3+1)	
10	System Simulation and Agro advisory	4 (3+1)	
11	Hi-tech Horticulture	4 (3+1)	
12	Protected cultivation	4 (3+1)	
13	Climate Resilient Agriculture	4 (3+1)	
14	Biotechnology of Crop Improvement	4 (3+1)	
15	Geoinformatics and Remote Sensing, precision farming	4 (3+1)	
16	Micro-propagation Technologies	4 (3+1)	
17	Commercial Seed Production	4 (3+1)	
18	Principles and Practices of Organic Farming/ Conservation Agriculture	4 (3+1)	
19	Food Science and Nutrition	4 (3+1)	
20	Post-Harvest Technology and Value Addition		
<b>**Skill enhancement courses (SECs)</b>			
1.	SEC-I	2 (0+2)	<b>12 (0+12)</b>
2.	SEC-II	2 (0+2)	
3.	SEC-III	2 (0+2)	
4.	SEC-IV	2 (0+2)	
5.	SEC-V	2 (0+2)	
6.	SEC-VI	2 (0+2)	

**\*Host institution may add more courses into this list**

**\*\* SEC will be decided by host institution depending on strength**

## **HUMAN RESOURCES**

### **TEACHING STAFF**

The college staff is recruited as per the guidelines of the Goa University. The teaching staff is experienced, dedicated to teaching and has degrees from Agriculture Universities – M. Sc. (Agriculture) or Ph. D. in Agriculture. The teachers undergo Orientation/Refresher Courses under Faculty Improvement programs conducted by various institutions. Many teachers are the members of Statutory Bodies, Boards of Studies of the Goa University, Agriculture universities and national and international organizations.

Teachers regularly attend State/National/International seminars, conferences and symposia. They are invited as Guest Speakers, Resource persons by Educational and Socio-Cultural Institutions. Several teachers have published research articles in National and International Journals. They are also involved with overseas organizations for collaborative research projects on pests and diseases.

Our teachers are also involved in co-curricular activities as part of collegiate education. They are actively involved in conducting training for farmers, public, women SHG on agriculture, food processing, bio-formulations, mushroom cultivation, honey bees rearing for honey production, kitchen garden, hydroponics, organic farming, landscaping, butterfly gardens, pest and disease management etc.

### **TEACHING FACULTY**

<b>Sr no</b>	<b>Teacher Name</b>	<b>Designation</b>	<b>Department</b>	<b>Qualification</b>
1	Dr. Suresh Kunkaliker	Principal	Plant Pathology	Ph.D. Plant Pathology
2	Dr. Gourish Karanjalker	Asst Professor	Horticulture	Ph.D. Horticulture, NET
3	Dr Govind Parab	Asst Professor	”	Ph. D. Botany
4	Mr Arjun Parab	Asst Professor	”	M.Sc. Horticulture, NET
5	Dr. Rachana Kolambkar	Asst Professor	Agril Economics	Ph.D. Agril Economics
6	Dr Shreyas Jadhav	Asst Professor	Agril Extension Education	Ph.D. Agril Extension Education
7	Ms. Pragati Dessai	Asst Professor	Agril Extension Education	M.Sc. Agril Extension Education

8	Dr Upasana Ratnakaran	Asst Professor	Animal Science & Dairy Science	Ph.D. Veterinary Science, NET
9	Ms. Vaishali Dhangada	Asst Professor	Animal Science & Dairy Science	M.Sc. Animal Science
10	Mr Rajan Shelke	Asst Professor	Agril Entomology	M.Sc. Agril Entomology, NET
11	Mr. Shashank Naik	Asst Professor	Agril Entomology	M.Sc. Agril Entomology, NET
12	Ms. Aarti Gauns	Asst Professor	Plant Pathology	M.Sc. Plant Pathology, NET
13	Mr. Pankaj Mapari	Asst Professor	Plant Pathology	M.Sc. Plant Pathology
14	Dr Dhanashree Gawas	Asst Professor	Genetics and Plant Breeding	Ph.D. Crop Physiology, NET
15	Dr Prashant Patil	Asst Professor	Genetics and Plant Breeding	Ph.D. Genetics & Plant Breeding, NET
16	Ms. Kruti Prabhu	Asst Professor	Genetics and Plant Breeding	M.Sc. Genetics & Plant Breeding
17	Mr. Bhushan Sawant Dessai	Asst Professor	Soil Science & Agril Chemistry	M.Sc. Soil Science & Agril. Chemistry, NET
18	Mrs. Shubhangini Thakre	Asst Professor	Soil Science & Agril Chemistry	M.Sc. Soil Science & Agril. Chemistry
19	Mr. Sanjay Nitave	Asst Professor	Agronomy	M.Sc. Agronomy, NET
20	Ms. Alisha Peter	Asst Professor	Agronomy	M.Sc. Agronomy
21	Mr Vinod Atkari	Asst Professor	Agril Engineering	M. Tech. Agricultural Engineering, NET
22	Ms. Sulochana Xete Dessai	College Librarian	Library	M.L.I.Sc., NET, SET
23	Mr. Sagar Palconda	Dir of Physical Education	Physical Education	M.P.Ed., NET
24	Ms. Pranjal Parab	Farm Manager (Asst Professor)	Agril Engineering	M.Tech Engineering

## NON-TEACHING STAFF

Sr. No.	Staff Name	Designation
1	Mr. Kisan Fal Dessai	Head Clerk
2	Mr. Manthan Bhatt	Accountant
3	Mr. Kailas Naik	Upper Division Clerk (UDC)
4	Mrs. Siya Gad	Lower Division Clerk (LDC)
5	Mrs. Daphny Picardo	Lower Division Clerk (LDC)
6	Ms. Asmita Gaunker	Lower Division Clerk (LDC)
6	Ms. Natasha Kamat	Junior Stenographer
8	Ms. Padma Sinai Kunkolienker	System Administrator
9	Mr. Satish Patil	Storekeeper (Chemistry Lab)
10	Mrs. Jovina Fernandes	Laboratory Assistant
11	Mrs. Mamta Udpikar	Laboratory Assistant
12	Mrs. Deepashree Naik	Laboratory Assistant
13	Mr. Shambhu Gaonkar	Laboratory Assistant
14	Mr. Geetesh Velip	Laboratory Assistant
15	Ms. Vaibhavi Dessai	Librarian Grade-I
16	Mr. Sandesh Velip	Instructor in Physical Education
17	Mr. Deepak Bhavdan	MTS
18	Mr. Dinesh Bhavdan	MTS
19	Mr. Mahadev Naik	MTS
20	Mr. Suraj Naik	MTS
21	Mr. Sanit Gaude	MTS
22	Mr. Omkar Silker	MTS
23	Mr. Avid Gaude	MTS
24	Mrs. Suvarna Ghadi	MTS
25	Mr. Vithal Korgaonkar	MTS
26	Mr. Pundalik Naik	MTS
27	Mrs. Nikita Rao	Counsellor

## COMMITTEES

Sr. No.	Committee	Remark
1	Anti-Ragging Squad	College
2	Anti-Ragging Committee	University
3	College Examination Committee	University
4	College Grievance Committee (CGC)	University
5	Collegiate Student Grievance Redressal Committee (CSGRC)	UGC
6	College Unfair Means Inquiry Committee (CUMIC)	University
7	Internal Complaints Committee (ICC)	University
8	Internal Quality Assurance Committee (IQAC)	University
9	Local Management Committee	College
10	Advisory committee for RAWE program	College
11	Subject Matter Specialist (SMS) for RAWEP	College
12	Constitution of Subject Matter Specialist (SMS) Committee for GCA & CSR	College
13	Publication and Social Media Committee	College
14	Purchase and Sale Committee	College

## SUMMARY OF UGC REGULATIONS ON CURBING THE MENACE OF RAGGING IN HIGHER EDUCATIONAL INSTITUTIONS, 2009.

1. PREAMBLE: In view of the directions of the Hon'ble Supreme Court dated 8.05.2009 and in consideration of the determination of the Central Government and the University Grants Commission to prohibit, prevent and eliminate the scourge of ragging.

2. OBJECTIVE: To eliminate ragging in all its forms from universities, deemed universities and other higher educational institutions in the country by prohibiting it under these Regulations, preventing its occurrence and punishing those who indulge in ragging as provided for in these Regulations and the appropriate law in force.

3. WHAT CONSTITUTES RAGGING: Ragging constitutes one or more of any of the following acts:

- a) Any conduct by any student or students whether by words spoken or written or by an act which has the effect of teasing, treating or handling with rudeness a fresher or any other student.

- b) Indulging in rowdy or undisciplined activities by any student or students which causes or is likely to cause annoyance, hardship, physical or psychological harm or to raise fear or apprehension thereof in any fresher or any other student.
- c) Asking any student to do any act which such student will not in the ordinary course do and which has the effect of causing or generating a sense of shame, or torment or embarrassment so as to adversely affect the physique or psyche of such fresher or any other student.
- d) Any act by a senior student that prevents, disrupts or disturbs the regular academic activity of any other student or a fresher.
- e) Exploiting the services of a fresher or any other student for completing the academic tasks assigned to an individual or a group of students.
- f) Any act of financial extortion or forceful expenditure burden put on a fresher or any other student by students
- g) Any act of physical abuse including all variants of it: sexual abuse, homosexual assaults, stripping, forcing obscene and lewd acts, gestures, causing bodily harm or any other danger to health or person;
- h) Any act or abuse by spoken words, emails, post, public insults which would also include deriving perverted pleasure, vicarious or sadistic thrill from actively or passively participating in the discomfiture to fresher or any other student.
- i) Any act that affects the mental health and self-confidence of a fresher or any other student with or without an intent to derive a sadistic pleasure or showing off power, authority or superiority by a student over any fresher or any other student.

4. MEASURES FOR PROHIBITION OF RAGGING: There are a number of such measures at institution level, University Level, District level etc. Some of them that are important for students to know are as follows:

- No institution shall permit or condone any reported incident of ragging in any form; and all institutions shall take all necessary and required measures, including but not limited to the provisions of these Regulations, to achieve the objective of eliminating ragging, within the institution or outside.
- All institutions shall take action in accordance with these Regulations against those found guilty of ragging and/or abetting ragging, actively or passively, or being part of a conspiracy to promote ragging.

- Every public declaration of intent by any institution, in any electronic, audiovisual or print or any other media, for admission of students to any course of study shall expressly provide that ragging is totally prohibited in the institution, and anyone found guilty of ragging and/or abetting ragging, whether actively or passively, or being a part of a conspiracy to promote ragging, is liable to be punished in accordance with these Regulations as well as under the provisions of any penal law for the time being in force.
- The telephone numbers of the Anti-Ragging Helpline and all the important functionaries in the institution, including but not limited to the Head of the institution, faculty members, members of the Anti-Ragging Committees and Anti-Ragging Squads, District and Sub Divisional authorities, Wardens of hostels, and other functionaries or authorities where relevant, shall be published in the brochure of admission/instruction booklet or the prospectus.
- The application for admission, enrolment or registration must be accompanied by an Anti Ragging affidavit signed by a student in a prescribed format and another Anti Ragging Affidavit signed by a Parent/Guardian. (Both these Affidavits are attached to admission form).
- Any distress message received at the Anti-Ragging Helpline shall be simultaneously relayed to the Head of the Institution, the Warden of the Hostels, the Nodal Officer of the affiliating University, if the incident reported has taken place in an institution affiliated to a University, the concerned District authorities and if so required, the District Magistrate, and the Superintendent of Police, and shall also be web enabled so as to be in the public domain simultaneously for the media and citizens to access it.
- On receipt of the recommendation of the Anti-Ragging Squad or on receipt of any information concerning any reported incident of ragging, the Head of institution shall immediately determine if a case under the penal laws is made out and if so, either on his own or through a member of the Anti-Ragging Committee authorised by him in this behalf, proceed to file a First Information Report (FIR), within twenty four hours of receipt of such information or recommendations, with police and local authorities, under the appropriate penal provisions.
- The Commission shall maintain an appropriate data base to be created out of affidavits, affirmed by each student and his/her parents/guardians and stored electronically by the institution, either on its or through an agency to be designated by it; and such database shall also function as a record of ragging complaints received, and the status of the action taken thereon.

- The Commission shall include a specific condition in the Utilization Certificate, in respect of any financial assistance or grants-in-aid to any institution under any of the general or special schemes of the Commission that the institution has complied with the anti-ragging measures.
- Any incident of ragging in an institution shall adversely affect its accreditation, ranking or grading by NAAC or by any other authorised accreditation agencies while assessing the institution for accreditation, ranking or grading purposes.
- The Commission may accord priority in financial grants-in-aid to those institutions, otherwise eligible to receive grants under section 12B of the Act, which report blemishes in terms of there being no reported incident of ragging.

### **5. ADMINISTRATIVE ACTION IN THE EVENT OF RAGGING:**

The institution shall punish a student found guilty of ragging after following the procedure and in the manner prescribed here in under:

The Anti-Ragging Committee of the institution shall take an appropriate decision, in regard to punishment or otherwise, depending on the facts of each incident of ragging and nature and gravity of the incident of ragging established in the recommendations of the Anti-Ragging Squad. The Anti-Ragging Committee may, depending on the nature and gravity of the guilt established by the Anti-Ragging Squad, award, to those found guilty, one or more of the following punishments, namely;

- a) Suspension from attending classes and academic privileges.
- b) Withholding/ withdrawing scholarship/ fellowship and other benefits.
- c) Debarring from appearing in any test/ examination or other evaluation process.
- d) Withholding results.
- e) Debarring from representing the institution in any regional, national or international meet, tournament, youth festival, etc.
- f) Suspension/ expulsion from the hostel.
- g) Cancellation of admission.
- h) Rustication from the institution for period ranging from one to four semesters.
- i) Expulsion from the institution and consequent debarring from admission to any other institution for a specified period. Provided that where the persons committing or abetting the act of ragging are not identified, the institution shall resort to collective punishment.

An appeal against the order of punishment by the Anti-Ragging Committee shall lie,

- (i) in case of an order of an institution, affiliated to or constituent part, of a university, to the Vice-Chancellor of the University;
- (ii) in case of an order of a university, to its Chancellor.
- (iii) in case of an institution of national importance created by an Act of Parliament, to the Chairman or Chancellor of the institution, as the case may be. Where in the opinion of the appointing authority, a lapse is attributable to any member of the faculty or staff of the institution, in the matter of reporting or taking prompt action to prevent an incident of ragging or who display an apathetic or insensitive attitude towards complaints of ragging, or who fail to take timely steps, whether required under these Regulations or otherwise, to prevent an incident or incidents of ragging, then such authority shall initiate departmental disciplinary action, in accordance with the prescribed procedure of the institution, against such member of the faculty or staff. Provided that where such lapse is attributable to the Head of the institution, the authority designated to appoint such Head shall take such departmental disciplinary action; and such action shall be without prejudice to any action that may be taken under the penal laws for abetment of ragging for failure to take timely steps in the prevention of ragging or punishing any student found guilty of ragging.

## **Scope for Agriculture Graduates**

**Agriculture graduates have ample job opportunities in Government and private sectors, which include the following:**

- Agriculture Research Scientist
- Extension Officer
- Agriculture Officer
- Plantation Manager
- Quality Assurance officer
- Production Manager
- Business Development Manager
- Agri-preneurship
- Subject Matter Specialist in different Krishi Vigyan Kendras
- Field Officer
- Farm Manager
- Bank Manager
- Research Officer
- Agriculture officer in Banks
- Operations Manager in Fertilizer Units
- Food Processing Units in Government
- Seed Technologist
- Marketing officer
- Agriculture Development Officers (ADO)
- Block Development Officers (BDO)
- Teacher in higher secondary colleges
- Agri-clinics
- Agri-consultant
- IAS, IFS, IPS

## **Scope in Academics**

- M. Sc. program in different subjects
- Agri. MBA

## **Scope for Postgraduates**

- Ph. D. in different subjects



# GOA COLLEGE OF AGRICULTURE

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