

SELF STUDY REPORT

2018-19 to 2023-24

of

GOA COLLEGE OF AGRICULTURE

ELA FARM, OLD GOA, GOA

for

ACCREDITATION OF HIGHER AGRICULTURAL EDUCATIONAL
INSTITUTION IN INDIA



Submitted to

National Agricultural Education Accreditation Board
Indian Council of Agricultural Research
New Delhi

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6.4. Self-Study Report for the Programme

6.4.1. Brief History of the Degree Programme:

Name of the Institution	Goa College of Agriculture
Address	Goa College of Agriculture, Ela Farm, Old Goa. Goa
Telephone	0832 2917498
Fax	NA
Email	goaagricollege@gmail.com
Name of the Head of the College	Dr. Suresh Kunkalika Principal and Dean
College Website	https://goacollegeofagriculture.edu.in/
Date of establishment of the Institution	3 rd August, 2015

Note: Directorate of Higher Education, Govt of Goa ordered academic merger of Don Bosco College of Agriculture with Goa College of Agriculture on 14th December 2022.

Historical background

Goa encompassing an area of 3702 sq km is a small state on the southwestern coast of India within the region known as the Konkan, and 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.

Agriculture in Goa is one of the important economic activities in the state. Rice and fish being the staple diet of the people, paddy becomes the major crop in the scenario of agriculture in Goa. The important crops, apart from paddy, ragi, pulses and vegetables there are cash crops like coconut, cashew-nut, areca nut, mango, jackfruit, banana, pineapple grown in abundance. There are food processing industries in the state that include virgin coconut oil production and export, vegetables and fruit processing, small scale processing of agriculture products by SHG etc. The weather in Goa is mostly suitable for horticultural crops.

LOCATION OF COLLEGE

The Goa College of Agriculture is located at 15^o49'17"N and 73^o74'58"E, and is 12 km away from capital city Panjim. It is well connected by air, rail and road transport. The college abuts ICAR-CCARI complex, Krishi Vigyan Kendra- North Goa and government poultry farm.

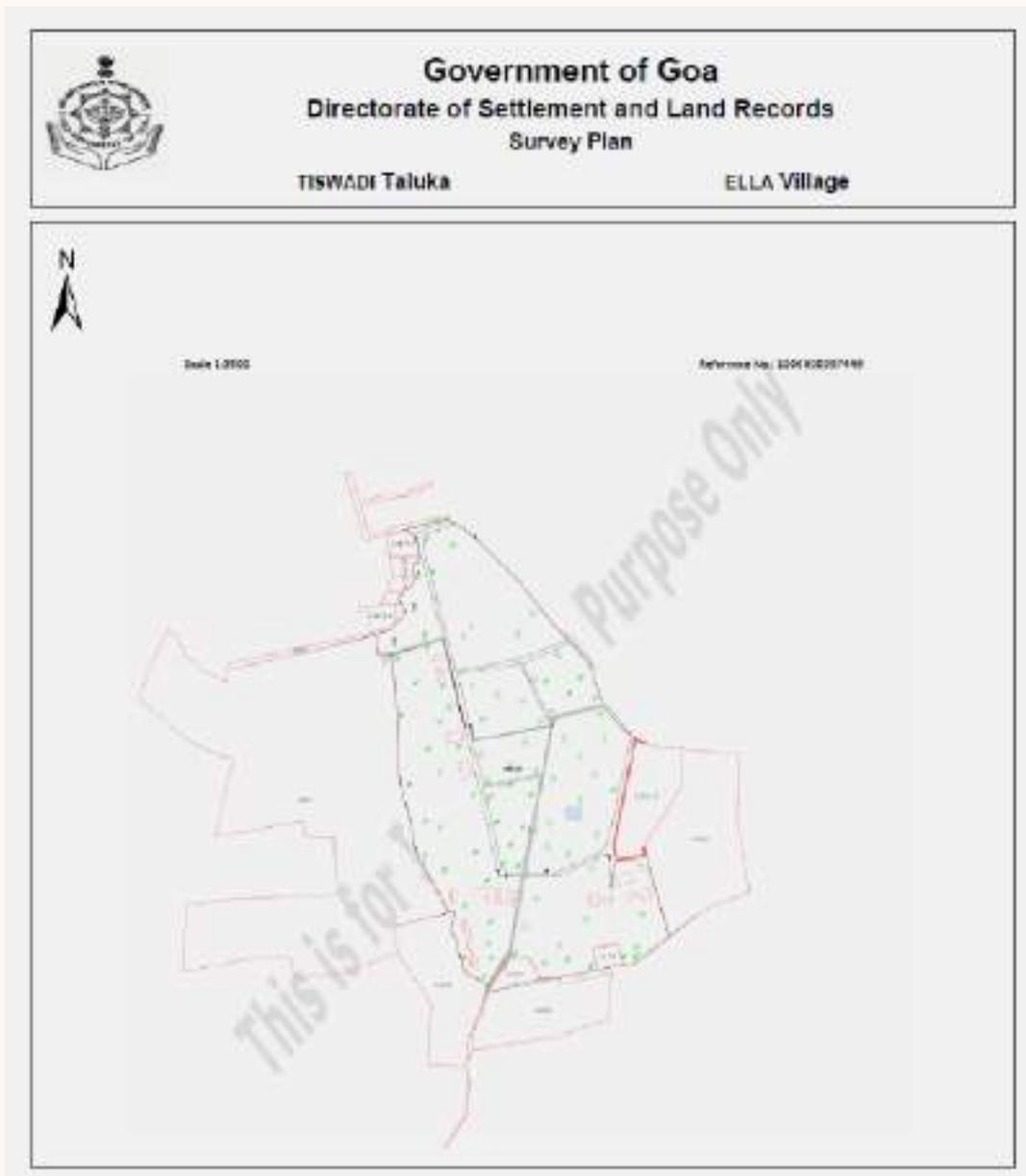
The major economic activities in Old Goa and neighbouring villages are agriculture and pisciculture. The majority of the population in village is engaged in agriculture either working in their own land or as daily wage earners in village and nearby cities. Some people are engaged in their traditional pisciculture mainly catching prawns, crabs and fishes entering sluice gates through sea water. They also own cashew cultivation and process cashew apple for extraction of *feni*, a local liquor produced by fermentation and distillation of cashew apple juice and cashew nuts for sale.

The people in the villages are very amiable and are willing to adopt advance agriculture practices.

College Campus



Map of Survey no 125/0 comprising Goa College of Agriculture campus



STATUS OF GOA COLLEGE OF AGRICULTURE

The Don Bosco College of Agriculture, Sulcorna, Goa, affiliated to Goa University and established in the year 2015-16 has been academically merged with the Goa College of Agriculture in Dec,2022. The college offers a professional four years B. Sc. (Hons.) Agriculture degree for the students from Goa and different states of India. The college adopts Vth Deans' syllabus provided by Indian Council of Agricultural Research, Govt of India.

The campus has sprawled to over 50 acres area comprising college building, laboratories, boys and girls hostels, poly houses and experimental fields. There are sports facilities including cricket and football ground, volleyball court, indoor games and nature walking track. There is cultivation of horticultural crops, vegetables, millet and field crops. The college has projects on production of mushroom, spawn, biocontrol agents, composting, vermicomposting, apiary, seed production, bakery, organic farming and, scientific research etc.

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

Collaborative programmes

The college has collaborative projects with private and government organizations.

Governing Committee of Goa College of Agriculture

1. Chief Secretary, Government of Goa, Chairman
2. Secretary (Agriculture), Government of Goa, Member
3. Director of Agriculture, Member
4. Director of Fisheries, Member
5. Directorate of Animal Husbandry & Veterinary Services, Member
6. Managing Director, Goa State Horticultural Corporation Ltd, Member
7. Director, SAMETI, Goa, Member Secretary

Head of faculty Dr. Suresh Kunkalika
 Name Principal and Dean
 Designation Goa College of Agriculture, Ela Farm, Old Goa

Teaching Staff members at Goa College of Agriculture

Sl no	Departments/ Subjects	Staff members	Designa tion	Type of Appointment		
				Regul ar	Contra ct	Lectu re
1	Agronomy	Mr. Sanjay Nitave,	Assistant Professor	Regular		
		Miss. Akshaya Kalangutkar,	"		Contract	
	Farm Manager	Miss. Saloni Patil,	"		Contract	
2	Horticulture	Dr Gourish Karanjalker	"	Regular		
		Dr Govind Parab,	"	Regular		
		Mr Arjun Parab	"	Regular		
3	Soil Science and Agricultural Chemistry	Mr. Bhushan Sawantdessai		Regular		
		Mr Satish Patil,	"			Lecture basis
4	Agricultural Entomology	Mr. Rajan Shelke,	"	Regular		
		Mr Shashank Naik,	"	Regular		
5	Plant Pathology + Agri Microbiology	Dr Suresh Kunkalika,	Principal & Dean	Regular		
		Ms. Aarti Gauns	"	Regular		

6	Agricultural Botany/Genetics and Plant Breeding + Crop Physiology + Biochemistry/Biotechnology	Dr. Dhanashri Gawas	"	Regular			
		Dr. Prashant P. Patil	"	Regular			
		Ms. Kruti Prabhu	"			Lecture basis	
7	Agricultural Economics	Dr. Kolambkar Rachana	"	Regular			
		Mr. Tanveer Attar	"			Lecture basis	
8	Agricultural Engineering	Er. Vinod Atkari,	"	Regular			
		Dr. Krantidip Pawar	"		Contract		
9	Animal Husbandry and Dairy Science	Dr. Upasana Ratnakaran,	"	Regular			
10	Agricultural Extension	Dr. Jadhav S. Shreyas, Regular basis	"	Regular			
		Miss. Pragati Dessai,	"		Contract		
11	Agroforestry	Mrs Avni Karanjalker	„			Lecture basis	
12	Comprehension & Communication Skills in English	Mrs. Priyanka Pandit	"			Lecture basis	
				15	4	5	24
13	Student's welfare – NSS and Physical Education	Mr Sagar Palconda,	Director of Phyl Edn	Regular			
14	Library	Ms Sulochana XeteDessai,	Librarian	Regular			
15	Counsellor	Mrs. Nikita Rao	Counsellor		Contract		
				17	5	5	27

Sr no	Teacher Name	Designation	Department	Qualification
1	Dr. Suresh Kunkaliker	Principal & Dean	Plant Pathology	Ph.D. Plant Pathology NET
2	Ms. Aarti Gauns	Asst. Professor	Plant Pathology	ASRB NET
3	Dr. GourishKaranjalker	Asst Professor	Horticulture	Ph.D. Horticulture, NET
4	Dr Govind Parab	Asst Professor	”	M.Sc. Horticulture, Ph. D. Botany
5	Mr Arjun Parab	Asst Professor	”	M.Sc. Horticulture, NET
6	Dr. Rachana Kolambkar	Asst Professor	Agril Economics	Ph.D. Agril Economics
7	Mr. Tanveer Attar	Asst Professor	Agril Economics	M.Sc. Agril Economics
8	Dr Shreyas Jadhav	Asst Professor	Agril Extension Education	Ph.D. Agril Extension Education NET
9	Miss. Pragati Dessai	Asst Professor	Agril Extension Education	M. Sc. Agril Extension Education
10	Dr Upasana Ratnakaran	Asst Professor	Animal Science & Dairy Science	Ph.D. Animal reproduction and Gynaecology, NET
11	Mr Rajan Shelke	Asst Professor	Agril Entomology	M.Sc. Agri. Entomology, NET
12	Mr. Shashank Naik	Asst Professor	Agril Entomology	M.Sc. Agri. Entomology, NET
13	Dr Dhanashree Gawas	Asst Professor	Crop physiology	Ph.D. Agril Botany, NET
14	Dr Prashant Patil	Asst Professor	Genetics and Plant Breeding”	Ph.D. Genetics and Plant breeding NET
15	Kruti Prabhu	Asst Professor	Genetics and Plant Breeding”	M. Sc. Genetics and Plant breeding
16	Mr. Bhushan Sawant Dessai	Asst Professor	Soil Science & Agril Chemistry	M.Sc. Soil Science, NET
17	Mr. Satish Patil	Asst Professor	Soil Science & Agril Chemistry	M.Sc. Soil Science
18	Mr. Sanjay Nitave	Asst Professor	Agronomy	M.Sc. Agronomy, NET
19	Ms. Saloni Patil	Asst Professor	Farm Manager	M.Sc. Agronomy,

20	Ms. Akshaya Kalangutkar	Asst Professor	Agronomy	M.Sc. Agronomy,
21	Mr Vinod Atkari	Asst Professor	Agri Engineering	M. Tech. Agricultural Engineering, NET
22	Dr. Krantidip Pawar	Asst Professor	Agri Engineering	Ph. D. Agricultural Engineering, NET
23	Ms Avni Karanjalker	Assistant Professor	Introduction to Agroforestry	M.Sc. Agroforestry,
24	Mrs. Priyanka Pandit	Assistant Professor	English	M. A. English
25	Mr. Sagar Palconda	Dir of Physical Education	Physical Education	M.P.Ed., NET
26	Ms. Sulochana XeteDessai	Librarian	Library	M.L.I.Sc., NET, SET
27	Ms Nikita Rao	Counsellor	Counselling	M A, Psychology

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.

6.4.2 Faculty Strength:

Faculty Strength at Goa College of Agriculture

Sr. No	Designation	Post			Faculty Recommended by ICAR
		Sanctioned	Filed	Vacant	
1.	Principal & Dean	Regular 1	1	0	1
2.	Professor	1	0	1	3
3.	Associate Professor	2	0	2	8
4.	Assistant Professor	Regular - 14	14	0	31
		Contract - 04	04	0	
		Lecture basis - 05	05	0	
		Total sanctioned - 27	24		
5.	Librarian	1	1	0	
6.	College Dir. of Sports and Physical Edu.	1	1	0	

6.4.3 Technical and Supporting staff:

Technical and Supporting staff at Goa College of Agriculture

Sr. No.	Designation	Post		
		Sanct ioned	Filled	Vacant
1.	Lab Assistant	10	5	5
2.	Field and Plant collector	1	1	0
3.	College Counsellor	1	1	0
4.	Head Clerk	1	1	0
5.	UDC	1	1	0
6.	LDC	3	3	0
7.	Accountant	1	1	0
8.	Store Keeper	1	1	0
9.	Instructor in Phy. EDN.	1	1	0
10.	Librarian grade 1	1	1	0
11.	Jr. Stenographer	1	1	0
12.	System Administrator	1	1	0
13.	Multi-Tasking Staff	12	12	0
14.	Sweeper (Daily wages)	2	2	0
15.	Mali (Daily wages)	2	2	0
		39	34	5

6.4.4 Classroom and Laboratories:

Classroom

Classroom		
1	Total Classrooms	3
2	No. of classrooms with LCD Projector	3
3	No. of classrooms with Interactive Board	3

Laboratories

Name of Department	Name of Laboratory	Space (m ²)	Seating Capacity	Description
Agronomy	Laboratory	50 m ²	20	Practical laboratory for UG courses
Agril. Chemistry and Soil Science	Laboratory	88.45 m ²	20	Conduct of UG practical's
Plant Pathology and Microbiology	Laboratory	60 m ²	20	Conduct of UG practical's
Agril. Entomology	Laboratory	82.96 m ²	20	Photos of different pests, Plant protection equipment.
				Charts of different systems, mouth

				parts, antennae etc.
Agril. Botany	Laboratory	85.84 m ²	20	Conduct UG practical's
Animal Husbandry & Dairy Science	Laboratory	25.08 m ²	20	Preparation of value-added milk products and analysis of quality of milk and milk products.
				Chemical analysis of feed, fodder, dung, urine etc.
Agril. Engineering	Laboratory	52.25 m ²	20	Conduct UG practicals
Agril. Economics	Laboratory	50 m ²	20	Conduct UG practicals
Agril. Extension Education	Laboratory	50 m ²	20	Conduct UG practicals
Horticulture	Laboratory	117 m ²	20	Conduct UG practicals

Instructional Farms

Division/Department/Section-wise land allocations (hectares)

As Per V Dean	As per V Dean Report (ha)	Actualy Allotted (ha)	As per ICAR-Model Act-2023 (ha) NEP-2020 Components
Agronomy & Farm Forestry	3.2	3.22	Crop cafeteria (0.5), Farm house/threshing floor/processing centre (1.0), ELP- vermicomposting, Agronomy-local crops, Organic/Natural farming (0.5)
Entomology	0.2	0.29	ELP-Beekeeping
Genetics & Plant Breeding + (Seed Science & Technology)	1.6	1.3	Genetics and Plant Breeding, Soil Science, Physiology, Other departments
Horticulture	3.6	4.09	Field classroom 2 (0.1), ELP-Nursery Polyhouse/Green house/any other for skill development or Entrepreneurial mode (0.5), Horticulture-orchard (1.0), UG practical demonstration

Soil Science and Associated Departments	0.2	0.25	Organic Farming/natural farming
Plant Pathology	0.2	0.23	Plant Protection practical (0.5)
Animal Sciences	1.2	0.68	UG practical demonstration
Biochemistry and Physiology	0.2	0.28	UG practical demonstration
Agricultural Engineering	0.4	0.6	UG practical demonstration
Total	10.8 ha	10.94	

Major Equipments available with departments

Sr. No.	Departments wise laboratories	Major Equipment
A.	Dept. of Agronomy	Digital Brix Refractometer, Luxemeter, farm implements.
B.	Animal Husbandry and Dairy Science	Rain-gun, Hot air oven, Rotary shaker, Weighing balance, Hot plate
C.	Dept. of Agril. Botany	Digital screen microscope and compound microscope, Student microscope, Seed germinator, moisture meter.
D	Dept. of Agril. Engineering	All survey equipments, Models of different types of greenhouses, Models of different cooling system used in greenhouse, LSU Dryer model, Models of grain handling equipment. i) Belt Conveyor, Model of fixed drum biogas plant, Model of different types of gasifiers, Biodiesel plant model, Ethanol production plant model.
E.	Dept. of Agril. Economics	Statistical tool in Microsoft Excel, Display boards
F	Dept. of Agril. Entomology	Honey boxes, Insect collection boxes, nets, Rickor mounts, traps, Corcyra rearing cages, Beekeeping equipment, refrigerator, Desiccator, Oven, Binocular microscope, Permanent slides
G.	Dept. of Agril. Extension Education	Sound system with mike, display boards, Audio recorder, Projector
H.	Dept. of Horticulture	ERMA hand refractometer 0-32% B, ERMA hand refractometer 28-62%, Turmeric Polisher, Jackfruit Processing Machine, Foil sealing machine, Refrigerator, Microwave oven, juice extractor, Crown corking machine, Gas induction.
I.	Dept. of Plant Pathology	Laminar airflow, Vertical autoclave, Incubator, Refrigerator, Microscopes, Distillation Unit, Cooler, Rotary shaker, Analytical balance and Mixer grinder, Water bath, PCR machine, Gel electrophoresis system.

J.	Dept. of Soil Sci. & Agril. Chemistry	Spectrophotometer, Flame photometer, Desiccator, Muffle furnace, Hot Air Oven, pH Meter, EC Meter, Cone Penetrometer, Digital Hot Air Oven, Pocket PH Meter, Digestion block, Rotary shaker, Refrigerator.
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6.4.5 Conduction of Practical and Hands-on-Training:

The practical and hands on training are organized as per the syllabus. The students are equally distributed in two/three batches for individual attention.

The students work in experimental field plots, crop museums, nursery, fields, horticulture area and in entrepreneurship modules.

6.4.6. Supervision of students in PG/Ph D Programmes: NA

6.4.7. Feedback of stakeholders (Students, parents, industries, employers, farmers etc.):

Stakeholders involved in feedback

Sl no	Stakeholders	Feedback activities
1.	Students	Student monthly mentorship and counselling meet.
2.	Parents	Annual student parents meet and grade cards distribution.
3.	Industries	Industrial visits - dairy processing, food processing, progressive farms, industrial manufacturing units.
4.	Employee	Campus placement by various industries.
5.	Farmers	Training programme, visit of farmers, exhibition on agriculture and animal husbandry, Nursery visits, Organic farming etc.

(Feedback is also received through postal communication and e-mails. The feedback register is also maintained.)

6.4.8. Student intake and attrition in the programme for last five years

Student intake and attrition in the programme for last five years:

Name of the Degree Program	Actual student admitted in the last five years						Attrition (%)					
	Y1	Y2	Y3	Y4	Y5	Y6	Y1	Y2	Y3	Y4	Y5	Y6
	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
B. Sc (Agri.)	43						0					
B. Sc. (Hons.) Agriculture	-	37	25	21	60	60	-	0	0	0	6.66	20

Note: Initially 60 students out of 175 applicants were admitted as per the guidelines of the Directorate of Higher Education (DHE). Later, 11 students migrated to other colleges. Since the admission process was closed by the DHE, the college was not able to admit students from the waiting list.

6.4.9. ICT Application in Curricula Delivery:

- Interaction with students by questions and answers.
- Teaching with aids such as Interactive boards, LCD projectors, LED Screen, internet, educational video clips, posting of teaching material on website for online teaching, agro based advisory through apps, information on Agri-preneurship opportunities.
- Visit to Progressive farmers farm, agriculture food processing centers, dairy, solar energy units etc.
- Study tours to South and North India.
- DISHTAVO- Digital Integrated System for Holistic teaching and virtual orientation: An initiative of Directorate of Higher Education, Govt of Goa. Under this, All the presentations on topics of each course as per the fifth Dean syllabus were digitally recorded in the studio of the Goa University and are accessible to students, teachers etc online. The recordings of these topics in local Konkani language is under process.

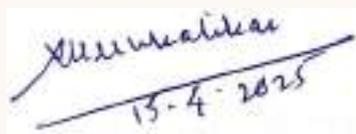
6.4.10. The information pertaining to 6.4.1 to 6.4.9 shall be provided for each one for UG, PG and Ph D degree programmes, separately, and to be presented college wise.

The information pertaining to 6.4.1 to 6.4.9 is provided pertaining to only UG program as herein above (college does not have any PG programmes).

6.4.11. Since the accreditation of Programmes is related to All India Admission from ICAR and also having weightage for College accreditation, therefore the data presented in the section 6.4 is liable to the verification at any stage.

6.4.12. Certificate

I, the Principal, Goa College of Agriculture, Ela Farm, Old Goa hereby certify that the information contained in the section 6.4.1 to 6.4.9 is furnished as per the records available in the college, and degree awarding university.



**Signature of the Principal
Goa College of Agriculture, Ela, Old Goa**



SELF STUDY REPORT
of
GOA COLLEGE OF AGRICULTURE
Ela farm, Old Goa

6.5 Self Study Report:

The Goa College of Agriculture was established with sole intention of imparting agricultural education to students from Goa and other states of India and also to meet specific demands of the agricultural community of Goa. Agriculture in Goa is one of the important economic activities in the state. Rice and fish being the staple diet of the people, paddy becomes the major crop in the scenario of agriculture in Goa. The important crops, apart from paddy, ragi, pulses and vegetables there are cash crops like coconut, cashew-nut, areca nut, mango, jackfruit, banana, pineapple grown in abundance. The weather in Goa is mostly suitable for horticultural crops.

6.5.1 College Administration

The Principal of Goa College of Agriculture is the Head of the Institute as per the Goa University Act, 1984 and is responsible for providing quality education in agriculture prescribed by various government authorities. He is also responsible for implementation of research and extension activities in college and co-ordinating financial and administrative activities along with the Director.

6.5.1.1 College Dean's office Establishment:

1.	Name of the College	Goa College of Agriculture
2.	Name of the Principal	Dr. Suresh Kunkalikal
3.	Address of correspondence	Goa College of Agriculture, Ela farm, Old Goa. Goa, 403402
4.	Appointing Authority	Director of Higher Education, Government of Goa
5.	Date of Appointment	19 th March, 2019
6.	Tenure	5 Years
7.	Type of Appointment	Regular

Staff and Infrastructure facilities available:

Staff

Academic Staff	Administrative	Hostel	Student Activities
Assistant Professors	Upper Division Clerk	Rector	Sports committee
Librarian	Accountant	Warden	NSS students In-Charge

Laboratory Assistants	System Administrator	Secretary	Cultural committee
Field & Plant Collector	Lower Division Clerk	Attendants (MTS)	Publication committee
Attendants (MTS)	Stenographer	Medical officer	
Placement officer	Attendants (MTS)	-	-
College Counsellor			

Infrastructure Facilities Available:

Following facilities are available in the college under the establishment of Principal

1. Principal Office
2. Admin office
3. Wi-Fi Facility
4. Girls Common room
5. Boys Common room
6. Canteen
7. Class rooms
8. Playgrounds
9. Xerox facility

6.5.1.2. Monitoring Mechanism for Quality Education (on – line)

The college has Internal Quality Assurance System with processes to monitor the quality of education, research and extension across departments.

The Principal is responsible for monitoring the quality of education with the support of faculty/staff, which mainly involves following:

- Monthly attendance report, Student Counsellor's report, is maintained by each staff. The Key Result Area (KRA's) have been defined for each staff at the beginning of academic year.
- WhatsApp is used to communicate lecture schedules, assignments, submission deadlines etc., to students groups.
- A separate WhatsApp group is formed to communicate job opportunities, information on higher studies, seminars to all the students. Further, separate portal is created on college website.
- A college Facebook page is created to inform and create awareness on seminars, conferences, trainings organized by college.

Flexibility in the structures

The flexibility in structure is provided to meet diverse needs of the stakeholders especially students to assure quality in education under the frame work of statute OC-64 and OC-64A of Goa University.

The Flexibility is provided in terms of:

1. Choice of Elective courses offered to students.
2. Choice of experiential learning modules.
3. Choice of RAWE centers.
4. Participation in various cultural programmes, sports and extra-curricular activities.
5. Participation in different Entrepreneurship development programmes and incubating new ideas.

6.5.1.3. CC/ Board of Studies (BoS) in Agriculture constituted by Goa University

Date of Meeting - 05/02/2018

The fifth dean committee syllabus was put before BoS, which recommended that the Vth Dean's syllabus be implemented from 2018-19 with the approval of Academic & Executive Council. Finally, the Vice Chancellor in EC meeting suggested that the Vth Dean's syllabus can be implemented from the Academic year 2019-20 after first batch of B Sc (Agriculture) students passes out.

Date of Meeting - 14/01/2019

BoS meeting was held to discuss on implementation of Vth Dean Syllabus and the recommendations were sent to EC for approval.

Date of Meeting - 21/04/2019

BoS meeting was held to discuss about the formats of examination results, Grade Cards, Exam Ordinance/Amendment to get result declared according to ICAR format.

Finally, an Amendment of Exam & New Syllabus Ordinance OC 64 was approved and amended to OC-64 A.

Vth Dean Syllabus approved in academic council in its meeting held on 10.05.2019 and 24.5.2019.

Composition of BoS in Agriculture in 2019 constituted by Goa University

In accordance with the provision under Ordinance OA -14, the vice –chancellor is pleased to reconstitute the board of Studies in Agriculture with the following members.

Sr. No.	Name	Designation
1.	Dr. Suresh Kunkalikal Principal	Chairperson
2.	Dr. Rakesh Kawale Assistant Professor	Member
3.	Dr. Cassie Rodrigues Assistant Professor	Member
4.	Prof. S.S. Dollu Professor, Dept of Extension Education University of Agricultural Science, Dharwad, Karnataka – 580005	Member
5.	Dr. M. Thangam Principal Scientist Lab F-10, Section of Horticulture ICAR –CCARI, Old Goa, Goa 403402	Member
6.	Prof. B.F. Rodrigues Head, Department of Botany Goa University, Goa	Member

Date: 22 nd Mar, 2021, Time: 10.30 am

Agenda

- 1) Matter related to B Sc (Agriculture) as a Professional Degree Course.
- 2) Any other Business with the permission of the Chair.

Composition of BoS in Agriculture in 2023 by Goa University

Sr. No.	Name	Designation
1.	Dr. Suresh Kunkalikal Principal, Goa College of Agriculture	Chairperson

	Ela, Old Goa	
2.	Dr. Goursih R. Karanjalkar, Assistant Professor Goa College of Agriculture Ela Farm, Vela Goa, Goa.	Member
3.	Dr. Rachana Ashok Kolambkar, Assistant Professor, Goa College of Agriculture, Ela, Old Goa, Goa	Member
4.	Dr. Kiran Shankarrao Thorat, Assistant Professor, Govt. College of Agriculture, Vasanttrao Naik Marathwada Krishi Vidhyapeeth, Parbhani Osmanabad, Maharashtra	Member
5.	Prof. S.S. Dolli, Professor Department of Extension Education University of Agricultural Science, Dharwad, Karnataka – 580005	Member
6.	Ms. Priyanka Parab, Entrepreneur Rasraj Farms Dharbandora, Goa.	Member

Date of BoS Meeting – 7.4.2023

The agenda of the meeting is given below:

1. To review the changes in the syllabus of courses in Animal Science and Dairy Science, Agricultural Extension Education, and Agricultural Economics of B. Sc. (Hons.) Agriculture.
2. Any other Business (AOB).

Date of BoS Meeting – 21.8.2024

Agenda

1. To review the Proforma of mid-term examination.
2. Any other Business (AOB).

6.5.1.4. Anti-Ragging

The Goa College of Agriculture keenly follows the judgment of the Hon'ble Supreme Court of India dated 08.05.2009 in civil Appeal No.8872009 to implement UGC's regulations to curb the menace of ragging in higher educational institutes. The college administration has taken the following steps to make the campus free from ragging and thus create secured atmosphere among students.

- The anti-ragging committee is formulated during each academic year as per the guidelines of UGC and includes external members from civil society holding respectable positions in society, NGO's etc.
- An undertaking is taken from each newly admitted student and his parents at the time of admission to college mentioning he/she will not engage in any ragging activities.
- The student Class Representative, College Counsellor and Anti- ragging squad keenly observe for any ragging activities in the college premises.
- Awareness on anti-ragging is made in college by displaying boards in campus, hostels and periodic meetings.
- A monthly anti-ragging report of the committee is sent to Directorate of Higher Education, Government of Goa.

Thus, the strict measures as suggested by ‘UGC Regulations on curbing the menace of ragging in higher educational institutions, 2009 and subsequent amendments of 2013, 2016 are implemented in the College to eliminate ragging. The periodic inspections by Rector, Hostel warden and Principal as well as Anti-ragging squad have kept the college free from ragging.

6.5.1.5 Biological waste disposal facility

The different types of waste are generated in various departments and hostels, which is disposed using following local disposal mechanisms:

- The recyclable waste is disposed using land filling mechanism in the fields.
- The biological waste generated in hostel and college is disposed using incinerators installed in hostel and college premises.
- The chemical wastes generated in the laboratories are disposed as per the standard operating practices prescribed by the chemical manuals in the respective department.
- The waste generated in canteen is fed to animals or dumped in soil pit.

6.5.1.6. Institutional Ethics Committee for Experiment on Animals.

The department of Animal Husbandry and Dairy Science is responsible for experiments on animals to check fodder requirement, milk production etc under the supervision of the Committee constituted as per the rules and guidelines of The Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA) section 15 of PCA Act, 1960.

6.5.1.7. Committee for Prevention of Sexual Harassment of Women at Work Places:

The college strictly adheres to all the laws spelt out by the committee for preventing sexual harassment of women at workplace (**Prevention, Prohibition and Redressal Act, 2013**) (Act No. 14 of 2013) and Office Memorandum dated 21.07.2009 in F. No. 11013/3/2009-Esst. (A) issued by the Department of Personnel & Training, Govt. of India. The college has constituted the Internal Complaints Committee (ICC) to enquire into the complaints of Sexual harassment of female employees and female students of the college on the campus and such other places covered under the said Act. There are no such cases reported ever since the commencement of college in the year 2015-16.

Prevention of Sexual Harassment (POSH) Committee Members for year 2023-26		
1.	Dr. Sulaxana Vernekar, Assoc. Professor Dept of Computer science, GVM's College of Commerce	Chairperson
2.	Ms. Prachi Khandeparker, Psychologist, Sangath, Porvorim	NGO
3.	Dr. Upasana Ratnakaran, Asst.Professor Goa College of Agriculture, Old Goa	Faculty Member
4.	Mrs. Sulochana XeteDessai, Librarian Goa College of agriculture, Old Goa	Faculty Member
5.	Mr. Kisan Pramod Fal Dessai, Head Clerk Goa College of Agriculture, Old Goa	Staff Member
6.	Mr. Tushar Prakash Sawant, Jr. Stenographer Goa College of Agriculture, Old Goa	Staff Member

7.	Ms. Vidhya Vinayan, Student Goa College of Agriculture, Old Goa	UG Student
List of Committees		
Sr. No.	Committees	UGC/University/College
1.	College Student Grievance Redressal Committee (CSGRC)	UGC
2.	Internal Quality Assurance Committee (IQAC)	University
3.	College Grievance Committee (CGC)	University
4.	College unfair means committee	University
5.	Internal Committee (ICC)/Posh for prevention of Sexual harassment of women at work place.	University
6.	College Anti Ragging Committee	University
7.	College Anti ragging Squad (ARS)	College
8.	College Examination Committee	College
9.	Hostel committee	College
10.	Canteen Committee	College
11.	Team of subject Matter Specialist (SMS) for RAWEP	College
12.	Subject Matter Specialist for college and ISR	College Colle
13.	Publication and Social Media Committee	College
14.	RTI Committee	College
15.	Purchase and Sale Committee	College
16.	Local Management Committee	College
17.	College Accounts Committee	
18.	Placement Cell	College
19.	Academic Incharge	College
20.	Recruitment/ Selection Committee	College
21.	Research, Development and Innovation (RDI) Cell	College
22.	Teaching, Learning and educational Technology Cell	College

6.5.2.

Faculty

6.5.2. Faculty

6.5.2.1. Faculty Strength:

Faculty position (both in sanctioned and in-position) at the College.

Sr. No.	Designation	Pay Scale	Post		
			Sanctioned	Filled	Vacant
A) Technical Staff:					
1.	Principal	₹ 37400-67000	1	1	0
2.	Professor	₹ 37400-67000	1	0	1
3.	Associate professor	₹ 37400-67000	2	0	2
4.	Assistant Professor (Permanent basis)	₹ 15600-39000	14	14	0
5.	Assistant Professor (Full time Contract basis)	₹ 50,000 per month	04	04	0
6.	Assistant Professor (Lecture basis)	₹ 750/hr.	05	05	0
7.	Librarian	₹ 15600-39000	1	1	0
8.	College Dir. of Sports and Physical Education	₹ 15600-39000	1	1	0
	Sub-total (A)		29	26	03

B) Supporting Staff:					
1.	Lab Assistant	₹ 5200 – 20200	10	5	5
2.	Field and Plant collector	₹ 5200 – 20200	1	1	0
3.	College Counselor	₹ 40,000/- per Month	1	1	0
4.	Instructor in Phy. EDN.	₹ 9300 - 34800	1	1	0
5.	Librarian Grade 1	₹ 9300 - 34800	1	1	0
6.	Multi-Tasking Staff	₹ 5200 – 20200	12	12	0
7.	Mali (Daily wages)		2	2	0
8.	Sweeper (Daily wages)		2	2	0
	Sub-total (B)		30	25	5
C) Administrative Staff :					

1.	Head Clerk	₹ 9300 - 34800	1	1	0
2.	UDC	₹ 5200 – 20200	1	1	0
3.	LDC	₹ 5200 – 20200	3	3	0
4.	Accountant	₹ 9300 - 34800	1	1	0
5.	Store Keeper	₹ 5200 – 20200	1	1	0
6.	Jr. Stenographer	₹ 5200 – 20200	1	1	0
7.	System Administrator	₹ 9300 - 34800	1	1	0
	Sub-total (C)		9	9	0
	Grand total (A+B+C)		68	60	8

6.5.2.2 Faculty profile

Faculty profile of college is given below:

Sr. No.	Name of Department	Assistant Professor			
		M.Sc.	M.Sc. NET	Ph.D.	M.Sc. NET, Ph.D.
1.	Principal and Dean	-	-	-	1
2.	Agronomy	2	1	-	-
3.	Agril. Botany	1		-	2
4.	Agril. Chemistry & Soil Science	1	1	-	-
5.	Animal Husbandry & Dairy Science	-	-	-	1
6.	Agril. Engineering	-	1	1	-
7.	Agril. Economics	1	-	1	
8.	Entomology		2	-	-
9.	Agril. Extension Education	1	-	-	1
10.	Horticulture	-	1	1	1
11.	Plant Pathology		1		1
12.	Comprehensive English Language	1	-		
13.	Agroforestry	-	1	-	

As per the recommendation of BSMA and Vth Dean's committee report, the college is temporarily managing the academic program and is waiting to fill sanctioned posts.

6.5.2.3. Credentials of the Faculty:

The institution has employed competent faculty members qualified to accomplish the mission and goals of the institution as per the qualifications and guideline prescribed by Goa University.

Name of faculty (Department wise)	Designation	Experience (Yrs)	Credentials / Achievements
Dr. Suresh Kunkalikal	Principal and Dean	25	<ul style="list-style-type: none"> - Goa State Biodiversity Award in an individual category – 2022. - Goa State Biodiversity Award 2021. - Biotechnology award by Maharashtra Hybrid Seeds Co Ltd for Discovery and publications on new viruses infecting cotton and vegetables. May, 2012. - Junior Fellowship - Indian Council of Agricultural Research for Post Graduate studies in Plant Pathology awarded by the Indian Council of Agricultural Research, New Delhi, India (1987 to 1989). - Merit Scholarship for Ph.D. program (2000 to 2001) awarded by University of Agricultural Sciences, Dharwad. - National Eligibility Test (NET) for Assistant professorship by Indian Council of Agricultural Research, New Delhi, India.
Dept. of Agronomy			
Mr. Sanjay Nitave	Assistant Professor	7	<ul style="list-style-type: none"> - Awarded by “Hexamar Gold Medal” of DBSKV, Dapoli stood first in the University in M.Sc. (Ag.) Agronomy for the year 2013-14. - Awarded as “ASPEE Fellow” for the academic year 2012-13 for M.Sc. studies in Agronomy by ASPEE Foundation.
Dept. of Agril. Botany			
Dr. Patil Prashant Pramod	Assistant Professor	7.6	<ol style="list-style-type: none"> 1. Qualified ICAR JRF. 2. Qualified ICAR ASRB NET 2010, 2011, 2012 3. Contribution in variety release proposal in Sugarcane GNS-7. 4. Contribution in recommended proposal of different packaging

			<p>materials on storage of cowpea, Dolichos Bean & Paddy seeds.</p> <p>5. Contribution in Breeder, Foundation, Truthful as well as Gram Bijotpadan Seed production programme. (Paddy, Nagli& Vegetables)</p>
Dr. Dhanashri Gawas	Assistant Professor	5	<p>1.Ph.D. with Distinction</p> <p>2.. Qualified ICAR-NET 2018 conducted by Agriculture Scientist Recruitment Board, New Delhi.</p> <p>3. Young Scientist Award in National conference on Doubling Farmers income for sustainable and Harmonious Agriculture, DISHA-2019, BAU, Ranchi, Jharkhand</p> <p>4. Successfully completed 5 training programme including FIP, Summer school etc.</p> <p>5. Participated in 15 days online training on climate smart practices in Agriculture and Allied science for sustainable development.</p> <p>6. National conference -09</p> <p>7. International conference-05</p> <p>8. State level quiz-04</p> <p>9. Marathi article-02</p> <p>10.Six research papers published in journals of NAAS rating between 4.0-6.0</p>
Dept. of Agril. Chemistry and Soil Science			
Mr. Satish R. Patil	Assistant Professor	10	<p>1. Attended national seminar on sesame crop improvement and future prospects at Annamalai University, Tamil Nadu.</p> <p>2. Conducted practical classes in vermicomposting organized by CCRT New Delhi in collaboration with Directorate of Art and Culture, Goa</p> <p>3. Participated in National Conference on Frontier in Biopesticides and Biofertilizer organized by P.E.S.R.S.N. College of Arts and Science, Farmagudi, Goa</p>

Dept. of Animal husbandry & Dairy Science			
Dr. Upasana Ratnakaran	Assistant Professor	6 years	<p><u>I. Achievements:</u></p> <ol style="list-style-type: none"> 1. Received the “Best oral presentation award” at the International Conference on "Recent Advances in Agriculture, Engineering and Biotechnology for Food Security, from Mahima Research Foundation and Social Welfare on 26th September 2021, Punjab 2. Received the “Mahima Best Thesis Award” at the International Conference on "Recent Advances in Agriculture, Engineering and Biotechnology for Food Security, from Mahima Research Foundation and Social Welfare on 26th September 2021, Punjab 3. Received the “Young Women Scientist Award” at the 3rd International Conference on “Global Initiative in Agricultural, Forestry and Applied Sciences For Food Security, Environmental Safety and Sustainable Development, from the Agricultural and Environmental Technology Development Society on 18th October 2021, Uttarakhand. 4. “Merit Certificate” awarded during post graduate studies. 5. Qualified ASRB NET exam held on 4th August 2016 6. Qualified all India PG entrance examination for Agriculture and Allied Sciences conducted by Indian Council of Agricultural Research (ICAR) 2010. 7. Qualified Joint Entrance Examination – 2005 (Puducherry, INDIA) and was sponsored by Govt. Of Goa for admission to B.V.Sc. and A.H. <p>II. Publications:</p> <ol style="list-style-type: none"> 1. Case articles: 4 2. Research articles: 4 3. Short communications: 2 4. Full paper in international conferences: 2

			<p>5. Abstracts in National conference/symposium: 9</p> <p>6. Review article: 1</p> <p>7. Popular article: 2</p> <p>8. Book chapter: 1</p> <p>9. Poster and oral presentation: 3</p> <p>III. Workshop/ Training/ Seminar/ Symposium/ MOOC's attended: 4/9/3/1/3 respectively</p> <p>IV. Trainings conducted:</p> <p>a. Farmer's training: 1</p> <p>b. Govt. Vocational HSS students training: 6</p>
Dept. of Agril. Engineering			
Er. Vinod Atkari	Assistant Professor	8	<ol style="list-style-type: none"> 1. Qualified ASRB NET-2016 2. First Prize in State Level Paper Presentation Competition "URJA-2008" 3. First Prize in inter university essay competition at Rahuri. 4. Second Prize Winner in State Level Essay Competition "AGRO VISION-2020" 5. Received Junior Research Fellowship (JRF) for M. Tech. studies from ASPEE Agricultural Research and Development Foundation, Mumbai. 6. Fellowship for M. Tech. Studies from Durga-Devi Charitable Trust, Pune. 7. Received University Level Merit Scholarship for M. Tech. studies. 8. Received Stipend for M.Tech. Research Project from Tetra Pak India Pvt. Ltd., Pune
Dept. of Agril. Economics			
Dr. Kolambkar A. Rachana	Assistant Professor	5.6	<ol style="list-style-type: none"> 1. Research paper in national and international Journals (26). 2. English Articles in Magazines (10). 3. Marathi Articles in Magazines (8). 4. Research Abstracts (13) 5. Oral presentation (4) 6. Paper presentation (2)

			<p>7. Participation in seminar and Conferences (5)</p> <p>8. Awarded fellowship from Directorate of Science and Technology, New Delhi. (Ph. D)</p> <p>9. Awarded Scholarship from Directorate of Agriculture, Panaji (B.Sc.& M.Sc.)</p> <p>10. Awarded Gold Medal (1st topper in University during M.Sc.)</p> <p>11. Awarded Gold Medal in Avishkar Competition.</p> <p>12. Winner in presenting research paper at BSKKV, Dapoli.</p> <p>13. 1st Topper in University (Ph. D) in all departments.</p> <p>14. Delivered Guest lecture to SHG's of Goa.</p> <p>15. Contribution in Academic, NSS, Cultural, Sports etc.</p>
Dept. of Agril. Entomology			
Mr. Rajan Shelke	Assistant Professor	6	<p>1. Awarded ASPEE Foundation Mumbai Medal for having stood first in the university in B. Sc. (Agri) Entomology and Plant pathology for the year 2012-2013.</p> <p>2. Awarded Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth Medal for having stood <i>first in the university in B.Sc.(Agri.)</i> for the year 2012-2013</p> <p>3. Awarded Sir Robert Allen Medal for having stood <i>first in the university in B.Sc.(Agri)</i> for the year 2012-2013.</p> <p>4. 86th rank in ICAR'S AIEEA-PG-2013.</p> <p>5. Awarded Gold Medal for standing <i>1st in the university in M.Sc. Agril. Entomology</i> for the year 2015.</p> <p>6. Awarded as <i>Best Student at M.Sc. Agri. for the year 2014 -</i></p>

			<p>15for meritorious Academic performance and participation in sports, NSS, Debate, Elocution, Youth festival and other co-curricular activities.</p> <p>7. Completed one year NABARD funded project on “Awareness and training program in Beekeeping for local farmers of Sanguem and Quepem talukas”.</p> <p>Published 10 Research Papers, Poster presentstions-02</p> <p>8. 9.Book-01with ISBN number, 01 book chapter, Folder publications-5,</p> <p>9. Research project-Lab testing of spotta’s smart monitoring technology for Red palm weevil.</p> <p>10. Organized international webinar “Advances in Red palm weevil Research and management.</p> <p>11. Developed e-content 99modules in the form of Recordings in <i>Dishtavo</i> for the Agricultural Entomolgy as imitative of DHE, Goa available on https://dishtavo.dhe.goa.gov.in/</p> <p>12. Held different positions in different committees in college.</p>
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Dept. Agril. Extension Education

Dr. Jadhav S. Shreyas	Assistant Professor	4	<ol style="list-style-type: none"> 1. Ph.D. with Distinction 2. Qualified ASRB NET-2015, 3. Qualified UGC NET-2016 4. Rajeev Gandhi National Fellowship for Ph.D.
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Dept. of Horticulture

Dr. GourishKaranj alker	Assistant Professor	7.5	<ol style="list-style-type: none"> 1. Qualified National Eligibility Test, 2010. 2. Recipient of ICAR’s Junior Research for persuing graduation 3. Fellowship (JRF) for Masters Degree program. 4. Recipient of GoI scholarship for under graduation studies.
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			<ol style="list-style-type: none"> 5. Recipient of UGC-Rajiv Gandhi National Fellowship for pursuing Ph.D.(horticulture) 6. Best Scientist Award in Horticulture 2023 by AEDS, Rampur during 7th Recent Advances in Agriculture, Animal Husbandry, sciences and Technology for sustainable Entrepreneurship from March 26-28, 2023 7. Best Oral presentation by AEDS, Rampur during 7th Recent Advances in Agriculture, Animal Husbandry, sciences and Technology for sustainable Entrepreneurship from March 26-28, 2023. 8. Attended 19 conference and 18 published 18 Abstracts in national and International conferences 9. Published Full length papers (16), Review papers (4), Short communications (4) in high impact factor and NAAS rated journals 10. Published 5 Book Chapters in Edited Books with ISBN 11. Published 8 popular articles and 5 extension publication 12. Editor of Souvenir of 2 international conference 13. Conducted 2 International Conference 14. Conducted 6 Webinars and 1 National Conference 15. Developed e-content 110 modules in the form of Recordings and quadrant updates in <i>Dishtavo</i> for the horticultural courses as imitative of DHE, Goa available on https://dishtavo.dhe.goa.gov.in/ 16. Held various position in college committees. 17. Held position of Principal In charge 18. Delivered various talk, participation in programmes, exhibitions, festivals for community services
Dept of Plant Pathology			

Ms. Aarti Gauns	Assistant Professor in Plant Pathology	2 Months	<ul style="list-style-type: none"> - National Eligibility Test (NET) by Indian Council of Agricultural Research, New Delhi 2023 - NCBI Gene Submission, Article, Research publication. - Qualified GPSC examination for the post of Assistant Agriculture Officer, Directorate of Agriculture, Govt of Goa 2022 - Best Poster Presentation Award at 8th International IPS Conference 2022, Jaipur. - Awarded with Goa Scholars under Manohar Parrikar Goa Scholars Scheme for the year 2021-22 - Qualified ICAR-AIEEE JRF entrance examination-2020.
Dept. of Agril. Botany			
Ms. Kruti Prabhu	Assistant Professor in Department of Agricultural Botany	10 Months	<ul style="list-style-type: none"> - Intern at Goa dairy, Curti Goa. - Intern at Goan cashews Sacorda Goa - Review Article in Scopus journal, Journal of Applied and Natural Sciences. - Assistant Professor in Department of agricultural botany in Kai. Rajaram College of Agriculture Phondaghat Kankavli Maharashtra - Assistant professor in Department of agricultural botany in Goa College of Agriculture Ela Old Goa.
Dept. of Agril. Engineering			
Dr. Krantidip R. Pawar	Assistant Professor in Agricultural Engineering	10 years +	<ul style="list-style-type: none"> - Highest Qualification: Ph.D. (Food Engineering) - Exams Qualified: - NET-2014 (APE) - GATE-2009 (Agril. Engineering) - ICAR-SRF- AIR 12 - ICAR-JRF- AIR 54 - Research Publications -10 - Book/Book Chapters: 5 - Patent-1 - International conferences: 3 - National Seminar- 2 - National Workshop-3

			<ul style="list-style-type: none"> - Training- 10+ - Professional Society Member - - Life Member ISAE (The Indian Society of Agricultural Engineers)- LM-11809
Dept. of Agril. Extension			
Ms. Pragati P Dessai	Assistant Professor in Agriculture Extension	1	<ul style="list-style-type: none"> - Published research paper on “Adoption of Improved Coconut Production Technology by the Farmers in South Goa District of Goa” - Published research paper on “Extension & Technological Needs of South Goa District Vegetable Growers to Accomplish Socio Economic Development” - Published article on “Role of Digital Technology in Enhancing Agricultural Extension” - Published article on “Market-Led Extension: A New Role of Agricultural Extension”
Dept. of Agril. Entomology			
Mr. Shashank G. Naik	Assistant Professor in Agricultural Entomology	1 Year & 3 months	<p>- ASRB Net Qualified in discipline Agricultural Entomology 2023</p> <p><u>Publications:</u></p> <ol style="list-style-type: none"> 1. Shashank Gopal Naik and Ashwani Kumar (2023). Field efficacy and economics of certain chemicals and biopesticides against brinjal shoot and fruit borer [<i>Leucinodes orbonalis</i>(Guenee)]. Pharma Innovation 2023; 12(6):2937-2940. 2. Rajan Shelke and Shashank Naik (2024). Ovipositional Preference of <i>Rhynchophorus ferrugineus</i> (Olivier) in Palm Species in Goa. Indian Journal of Entomology, 1-3. DOI: https://doi.org/10.55446/IJE.2024.1910 3. A book chapter on “ENTOMOPATHOGENIC FUNGI IN PEST MANAGEMENT” in Recent Trends in Agricultural and

			<p>Horticultural Sciences ISBN: 978-81-963468-6-7</p> <p><u>Conference:</u></p> <ul style="list-style-type: none"> - Participated in National Conclave on Stingless Honeybees, Trivandrum Kerala 18-19 June 2024 - Participated National Training on Beneficial Insect of Apiculture, Sericulture, And Lac culture (Hybrid Mode) 24-26 April 2024 - Participated in International Conference on Plant Health Management, Hyderabad. 15-18 November 2023 - Participated in the National Symposium on “Frontiers in Entomology-2025 held at ICAR-Indian Agriculture Research Institute, New Delhi on 7th January, 2025.
Dept. of Forestry			
Mrs. Avni G. Karanjalker	Assistant Professor in Introduction to Forestry	6 yrs 9 Month	<ul style="list-style-type: none"> - National Eligibility Test (NET) by ICAR, New Delhi 2013 - ICAR JRF (Silviculture and Agroforestry) in 2008 - Gold medallist in Post-Graduation, 2010 - Maharashtra State - Certificate Information Technology, 2007 (MSCIT) - Experienced one-week training program in General Green House Management at National Institute of Post-Harvest Management, Pune during Feb, 2017. - Online Training on ‘Capacity Building Program’ conducted by SCERT, Goa, 13-24th July, 2020. - Research publications <ul style="list-style-type: none"> - Full-length research papers -5 - Review article -1 - Short commutation- 1 - Popular article- 5 - News article -5 - Book chapter contribution- 3

			- Conferences -5, - Webinar -4
Physical Education			
Mr. Sagar Palconda	Dir of Physical Education	1.5	1. Qualified UGC NET in the year 2018. 2. International Taekwondo medallist 3. NIS certified Coach
Library			
Ms. Sulochana P. XeteDessai	Librarian	4	1. Qualified SET 2017 2. Qualified UGC NET 2018 3. Evaluation of Collection development in Public Library: The Goan experience presented at Mangalore University Conference on 27th – 28th April 2017

6.5.2.4. Technical and Supporting Staff:

The Goa college of Agriculture has appointed required technical/laboratory/farm staff to cater the need of practical and field experiments.

Department wise distribution of technical, supporting and field staff

A) Supporting Staff:					
1.	Lab Assistant	₹ 5200 – 20200	10	5	5
2.	Field and Plant collector	₹ 5200 – 20200	1	1	0
3.	College Counsellor	₹ 40,000/- per Month	1	1	0
4.	Instructor in Phy. EDN.	₹ 9300 - 34800	1	1	0
5.	Librarian Grade 1	₹ 9300 - 34800	1	1	0
6.	Multi-Tasking Staff	₹ 5200 – 20200	12	12	0
7.	Mali (Daily wages)	-	2	2	0
8.	Sweeper (Daily wages)	-	2	2	0
	Sub-total (B)	-	30	25	5
B) Administrative Staff:					
1.	Head Clerk	₹ 9300 - 34800	1	1	0
2.	UDC	₹ 5200 – 20200	1	1	0
3.	LDC	₹ 5200 – 20200	3	3	0
4.	Accountant	₹ 9300 - 34800	1	1	0
5.	Store Keeper	₹ 5200 – 20200	1	1	0
6.	Jr. Stenographer	₹ 5200 – 20200	1	1	0

7.	System Administrator	₹ 9300 - 34800	1	1	0
	Sub-total (C)		9	9	0
	Grand total (A+B+C)		68	60	8

6.5.3.

Learning Resources

6.5.3. Learning resources:

The College has provided students and staff learning and teaching resources such as text books, reference books, journals, magazines, e-books and videos to meet their academic requirements. They are also provided with LCD projectors, desktops, laptops and interactive board.

6.5.3.1 College Library (digital):

The College Library was started from the date of inception of the college. It is playing an important role in providing reading materials to students and staff members to update their knowledge and communication skills. The Librarian and System administrator have created necessary platform (Internet facility) to access e-resource like International Journals and Open Access Journals. A separate book category is created for students who wish to study for competitive exams such as ICAR, JRF, GPSC, CET and others.

Information about library:

Total Area: length 8.20m width 6.5m

Availability of Wi-Fi:

Wi-Fi facility is provided in library to access information.

Department wise books

Department	Total No. of Books
Agronomy	196
Agricultural Entomology	80
Agricultural Engineering	105
Agricultural Botany	169
Horticulture	106
Animal Science and Dairy Science	83
Soil Science	60
Plant Pathology	81
Agricultural Economics	44
Agricultural Extension	83
Textbooks/BBS	138
General Agriculture	77
Physical Education & NSS	19
English	44

Free E-Resources on Website:

- Open access E- Journals: Directory of Open Access Journals (DOAJ).
- Free E-Books: Directory of Open Access Books (DOAB).
- National Digital Library: Registered for open access to resources provided by National Digital Library.
- E-Learning Portal on Agricultural Education (e-KrishiShiksha).

Employing the latest technology in library:

Barcode scanning facility is provided to Issue/Return books.

Stocking Arrangements:

Books are classified according to DDC (Dewey decimal classification) and stacked department wise. The students and faculty can access bibliographic details of books in OPAC (Online Public Access Catalogue).

Automation and User Services through Computer:

- Koha Software is used to circulate the books.
- OPAC (Online Public Access Catalogue) facility is given to students and faculty/staff through Koha Software in order to search the bibliographic details of the books.

Library Hours:

- The library timing is 9.00 AM to 5.00 PM.

Subscription of Journals of National and International repute:

- Current Science: It is a Fortnightly Journal subscribed
- Resonance: It is a Monthly Journal subscribed

Magazines:

- **Agriculture Today**
This is a monthly Magazine.
- **Down to Earth**
This is a fortnightly Magazine which is published by CSE.

E-Database

- DELNET: In order to Access E-Books, E-Journals and Resource Sharing

National dailies:

- The Navhind Times
- O'Herald
- Times of India
- Gomantak
- Dainik Herald
- Bhangarbhui
- Tarun Bharat

6.5.3.2. Laboratories, Instructional farm, Workshops, Dairy Plant, Veterinary Clinic, Hatchery, Ponds etc.:

The Goa college of Agriculture has well equipped laboratories and instructional farms to meet educational and research needs of students. It is the only agriculture college in the state with an annual intake of 60 students.

Name of Department	Name of Laboratory	Space (m²)	Seating Capacity	Description
Agronomy	Laboratory	50 m ²	20	Practical laboratory for UG courses
Agril. Chemistry and Soil Science	Laboratory	88.45 m ²	20	Conduct of UG practical's
Plant Pathology and Microbiology	Laboratory	60 m ²	20	To conduct UG practicals
Agril. Entomology	Laboratory	82.96 m ²	20	Photos of different pests, Plant protection equipment.
				Charts of different systems, mouth parts, antennae etc.
Agril. Botany	Laboratory	85.84 m ²	20	Conduct UG practical's
Animal Husbandry & Dairy Science	Laboratory	25.08 m ²	20	Preparation of value-added milk products and analysis of quality of milk and milk products.
				Chemical analysis of feed, fodder, dung, urine etc.
Agril. Engineering	Laboratory	52.25 m ²	20	Conduct UG practical's
Agril. Economics	Laboratory	50 m ²	20	Conduct UG practical's
Agril. Extension Education	Laboratory	50m ²	20	Conduct UG practical's
Horticulture	Laboratory	117 m ²	20	Conduct UG practical's

Instructional Farms

Division/Department/Section-wise land allocations (hectares)

As per V Dean	As per VDean Report (ha)	Actually Allotted (ha)	As per ICAR-Model Act-2023 (ha) NEP-2020 Components
Agronomy & Farm Forestry	3.2	3.22	Crop cafeteria (0.5), Farm house/threshing floor/processing centre (1.0), ELP-vermicomposting,

			Agronomy-local crops, Organic/Natural farming (0.5)
Entomology	0.2	0.29	ELP-Beekeeping
Genetics & Plant Breeding + (seed Science & Technology)	1.6	1.3	Genetics and Plant Breeding, soil Science, Physiology, Other departments
Horticulture	3.6	4.09	Field classroom 2 (0.1), ELP-Nursery Polyhouse/green house/ any other for skill development or Entrepreneurial mode (0.5), Horticulture-orchard (1.0), UG practical demonstration
Soil Science and Associated Departments	0.2	0.25	Organic Farming/natural farming
Plant pathology	0.2	0.23	Plant Protection practical (0.5)
Animal Sciences	1.2	0.68	UG practical demonstration
Biochemistry and Physiology	0.2	0.28	UG practical demonstration
Agricultural Engineering	0.4	0.6	UG practical demonstration
TOTAL	10.8ha	10.94	

6.5.3.3. Student READY/ in Plant Training/ internship/ Experiential Learning Programmes:

Rural Agricultural Work Experience Programme (RAWEP) and Experiential Learning Program (ELP) were implemented as per IVth Deans Committee syllabus during academic year 2018-19. The Vth Dean syllabus is implemented to second batch (2019-20) for Rural Agricultural Work Experience Programme (RAWEP) and Experiential Learning Program (ELP).

Courses undertaken during RAWEP:

Course No.	Course Title	Credits
RAWE 401	Crop Production.	0 + 5
RAWE 402	Plant Sciences.	0 + 3
RAWE 403	Crop Protection.	0 + 3
RAWE 404	Rural Economics.	0 + 2
RAWE 405	Practical Extension Work in Villages*	0 + 4
RAWE-ABI.406	Argo Based Institutions.	0 + 3
	Total	20

* 12 Weeks rural stay.

Details of villages and no. of student's placed for RAWEP in the Academic year 2018-19:

Sr.No.	Name of Village	No. of Student
1.	Malkarnem	12 (6 students in each Group)
2.	Netravali	6
3.	Zambaulim	5
4.	Rivona	7
5.	Pirla	7

Details of villages and no. of student's placed for RAWEP in the Academic year 2019-20:

Sr.No	Name of Village	No. of Student
1.	Panchwadi	9
2.	Narve	6
3.	Dabhal	7
4.	Sancordem	7
5.	Aquem	5
6.	Fatorda	6

Details of villages and no. of student's placed for RAWEP in the Academic year 2020-21:

During this period the RAWAP program was implemented through online mode due to the prevailing covid situation as per the instruction/ directives from Government with same academic calendar and curriculum. Students were allowed to select their own farm or neighbours or relatives or any other depending on the resources, progressive farm nature, wealth of data, etc. The students were thoroughly monitored through online mode during initial stages and later through personal mode by visiting to their home.

Details of villages and no. of student's placed for RAWEP in the Academic year 2021-22:

During this 2021-22, RAWEP program was continued again with the online mode due to the prevailing covid situation as per the instruction/directives from Government with academic calendar and curriculum prescribed by the authorities. Students were allowed to select their own farm or neighbours or relatives or any other depending on the resources, progressive farm nature, wealth of data, etc. The students were thoroughly monitored through online mode (weekly/monthly meetings and follow-ups) and through personal mode by visiting to their home.

Details of villages and no. of student's placed for RAWEP in the Academic year 2022-23:

Sr.No	Name of Village	No. of Student
.		

1.	Cotigao	6
2.	Gaondongrim	8
3.	Shigao	5
4.	Ozarim	5
5.	Surla	8
6.	Neura	5

Details of villages and no. of student's placed for RAWEP in the Academic year 2023-24:

Sr.No	Name of Village	No. of Student
1.	Bramhakarmali	07
2.	Keri	07
3.	Dabhal	06
4.	Sanvordem	05

Experiential Learning/Hands on Training: ELP was implemented by Goa college of Agriculture comprising 37 students under following modules during the year 2018-19:

Course No.	Course Title	Course teachers	Credit	Benefit sharing		
				Total	80% students	20% Institutes
HRT. 401	Commercial Vegetable Production	i. Dr. Gourish Karanjalker ii. Dr. Pravin Chendge, iii. Mr. Rajan Shelke iv. Dr. Rachana Kolambkar	0+5	2000	1600	400
HRT. 402	Commercial Floriculture	i. Dr. Gourish Karanjalker ii. Dr. Rachana Kolambkar iii. Dr. Narayan Gurav	0+5	NA	NA	NA
HRT. 403	Nursery Management of Horticultural Crops	i. Dr. Gourish Karanjalker ii. Dr. Rachana Kolambkar iii. Dr. Shreyas Jadhav	0+5	NA	NA	NA

		iv. Miss Jovita Siqueira				
PHT. 401	Post-Harvest Technology and value addition of Fruit and Plantation Crops	i. Dr. Gourish Karanjalker ii. Dr. Harshal Wadatkar iii. Dr. Rachana Kolambkar iv. Er.(Mrs.) Sumati Chavan	0 + 5	2350	1880	470
CMA. 403	Commercial Mushroom Production	i. Dr. Narayan Gurav ii. Mr. Satish Patil iii. Dr. Rakesh Kawale	0 + 5	432	346	86
CMA. 406	Commercial Compost Production Technologies	i. Mr. Satish Patil ii. Dr. Rakesh Kawale iii. Dr. Prashant Patil iv. Dr. Harshal Wadatkar v. Dr. Pravin Chendge	0 + 5	NA	NA	NA

Experiential Learning/Hands on Training: ELP was implemented by Goa college of Agriculture comprising 37 students under following modules during the year 2019-20:

Sr. No.	Title of ELP Module	Department	In-charge	No. of Students registered
1.	Mushroom Production	Department of Plant Pathology	Dr. Narayan Gurav	20
2.	Organic Farming Production Technology	Department of Agril. Chemistry and Soil Science	Mr. Satish Patil Mr. Sanjay Nitave	20
3.	Processing of Milk and Milk Product	Department of Animal Husbandry and Dairy Sc.	Dr. Harshal Wadatkar	18
4.	Post-harvest Management and Value Additions of Horticultural Crops	Department of Horticulture	Dr. Gourish Karanjalker	22

Experiential Learning/Hands on Training: ELP was implemented by Goa college of Agriculture comprising 40 students under following modules during the year 2020-21:

Sr. No.	Title of ELP Module	Department	In-charge	No. of Students registered
1.	Mushroom Production	Department of Plant Pathology	Dr. Narayan Gurav	20
2.	Organic Farming Production Technology	Department of Agril. Chemistry and Soil Science	Mr. Satish Patil Mr. Sanjay Nitave	20
3.	Processing of Milk and Milk Product	Department of Animal Husbandry and Dairy Sc.	Dr. Harshal Wadatkar	18
4.	Post-harvest Management and Value Additions of Horticultural Crops	Department of Horticulture	Dr. Gourish Karanjalker	22

Experiential Learning/Hands on Training: ELP was implemented by Goa college of Agriculture comprising 43 students under following modules during the year 2021-22:

Sr. No.	Title of ELP Module	Department	In-charge	No. of Students registered
1.	Commercial Beekeeping	Department of Agril. Entomology	Mr. Rajan Shelke	26
2.	Poultry Production	Department of Animal Husbandry and Dairy Sc.	Dr. Haresh Agare	19
3.	Organic Farming Production Technology	Department of Agronomy	Mr. Sanjay Nitave	16
4.	Processing of Milk and Milk Product	Department of Animal Husbandry and Dairy Sc.	Dr. Harshal Wadatkar	13
5.	Post-harvest Management and value Additions of Horticultural Crops	Department of Horticulture	Dr. Gourish Karanjalker	8
6.	Commercial Horticulture	Department of Horticulture	Dr. Gourish Karanjalker	4

Experiential Learning/Hands on Training: ELP was implemented by Goa college of Agriculture comprising 37 students under following modules during the year 2022-23:

Sr. No.	Title of ELP Module	Department	In-charge	No. of Students registered
1.	Commercial Horticulture	Department of Horticulture	Dr. Gourish Karanjalkar	20
2.	Mushroom Cultivation Technology	Department of Plant pathology	Dr. Suresh Kunkalikal	20
3.	Processing of Milk and Milk Products	Department of Animal Husbandry and Dairy Science	Dr. Upasana Ratnakaran	17
4.	Post-harvest Management and Value Additions of Horticultural crops	Department of Horticulture	Dr. Gourish Karanjalkar	17

Experiential Learning/Hands on Training: ELP was implemented by Goa college of Agriculture comprising 37 students under following modules during the year 2023-24:

Sr. No.	Title of ELP Module	Department	In-charge	No. of Students registered
1.	Commercial Horticulture	Department of Horticulture	Mr. Arjun Parab	15
2.	Mushroom Cultivation Technology	Department of Plant pathology	Dr. Revati Nalavade	05
3.	Commercial Production of Organic inputs	Department of Agronomy	Mr. Sanjay Nitave	15
4.	Commercial Beekeeping	Department of Agril. Entomology	Mr. Rajn Shelke	05
5	Processing of Milk and Milk Products	Department Of Animal Husbandry and Dairy Science	Dr. Upasana Ratnakaran	10

6.5.3.4. Curricula Delivery through IT (smart class rooms/interactive board etc.):

The college Assistant Professor's and Lab Assistants deliver the approved curriculum using modern teaching aids like LCD projectors, and professional videos etc.

Total Classrooms	Smart Classrooms (LCD Projector)
3	3

6.5.4.

Student Development

6.5.4 Student Development:

The Goa College of Agriculture is imparting education in the field of Agriculture as per ICAR syllabus and guidelines from the government.

6.5.4.1 Student Intake and attrition

The college has maintained quality education management system. The students with good percentage of marks in HSSC examination mostly prefer taking admission to Agriculture College. Many meritorious students sought admission to UG programme, the details of which are given below:

Details on admission of students to UG Programme

SR. No.	HSSC Marks	Year					
		2017-18	2018-19	2019-20	2021-22	2022-23	2023-24
1.	Above 75%	14	13	11	02	02	12
2.	60-75%	18	16	16	16	35	41
3.	45-59%	11	11	15	06	20	07
4.	35-44%	--	04	02	00	00	00

Profile of Student Body Including their Domicile Status:

Students from Goa and other states of India seek admission to college on merit, the details of which are given below:

Profile of students according to their domicile status

Year	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Within State	30	30	34	45	22	56	60
Outside the State	13	14	10	03	02	01	00
Foreign	00	00	00	00	00	00	00
Total	43	44	44	48	24	57	60

Programme wise Students Intake, Attrition and Retention:

The details of intake and attrition of students is given below:

B. Sc. (Agri.)/ B. Sc. (Hons.) Agriculture Programme: Currently GCA has only B.Sc. (Agri.) programme.

Year	Intake	Attrition
2017-18	43	04
2018-19	44	01
2019-20	44	06
2020-21	48	23
2021-22	24	03
2022-23	57	01
2023-24	60	11

6.5.4.2 Average Number of Students in Theory and Practical Classes:

Sr. No.	Degree Programme	Batch of students in Theory class	Batch of Students in Practical class
1.	B. Sc. (Hons.) Agriculture	60	20

6.5.4.3 Admission Process

Students completing Standard XIIth in Science with Physics, Chemistry and Biology (PCB) or Vocational Horticulture/Floriculture with Chemistry and Biology in Std. XII in the two year Higher Secondary Course are entitled for admission to B. Sc. (Hons.) Agriculture on merit.

Admission procedure

Timeline for Admission

Important Dates	Schedule
April to May	Sale of Prospectus
First week of June	Last day of Submission of Application Form
First week of June	Written Entrance Test
Second week of June	Interview of Selected Candidates (Both parents need to compulsorily attend the interview)
Second week of June	Display of Merit List
Third week of June	Payment of Fees
End of June	College Begins

Mechanism of admission:

Students are admitted through the Directorate of Higher Education on merit in an online mode.

Course Fee:

The fee is collected as per the direction of the Directorate of Higher Education, Government of Goa.

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	Fieldtrips	1,800	1,000	1,000	1,000
17	Academic restructuring	1500	1500	1500	1500
	Total Fee	36,150	29,205	29,205	29,205

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	Fieldtrips	1,800	1,000	1,000	1,000
17	Academic restructure & development	1500	1500	1500	1500
	Total Fee	96,150	89,205	89,205	89,205

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

6.5.4.4 Conduct of Practical and hands on Training

Initially in the beginning of the college in the year 2015-16, the IVth Dean Committee syllabus was adopted, however in the year 2019-20 the Vth Dean Committee syllabus was adopted as per the guidelines from the Goa University.

The practicals for all courses are aimed at educating students with basic knowledge of the subject and its applicability. The practical's are conducted by the Department of Agronomy, Agricultural Botany, Horticulture emphasizing on production of vegetable, fruit crops, cereals, plantation crops, medicinal and aromatic plants, processing of produce, marketing of produce and protected cultivation of vegetable and flower crops and methods of propagation of plants.

The Department of Plant Pathology teach students the identification of diseases and their management and also production of mushrooms. They are also taught the techniques on bio-formulations of different products.

In Entomology students learn about identification of different pests and their damage on various crops. Further they learn on various chemical formulations of pesticides to manage these pests. Students are also provided hands on training on apiary for commercial bee keeping and honey production.

The Department of Horticulture exposes the students to cultivate various vegetable and horticultural crops mostly suitable for coastal areas and their processing to jam, pickles, ketchup, juice, syrup etc.

The department of Agril. Engineering teaches students land surveying, types of combustible engines, farm mechanization, irrigation, water management systems, different field implements and tools.

The department of Soil Science and Agril. Chemistry is involved in imparting knowledge on soil composition and analysis to prepare soil health cards, composting, vermi-composting, manuring, studying deficiency of soil nutrients, calculating dose of manures and their need-based application.

The Department of Agril. Extension education teaches student the skills involved in transferring novel technologies to farmers and also good communication skills. They are taught how to run lab to land programmes for the benefit of farmers through by using different media and extension teaching methods.

In Agril. Economics the students are taught the art of market survey to study the demand for agricultural commodities, marketing of produce, calculating the cost of cultivation, fix the price of agricultural commodities, loan proposals and other relevant topics.

The UG students of the VII and VIII Semester undergo Rural Agricultural Work experience (RAWWE) and Experiential Learning program respectively. In these semesters students learn to address the queries from farmers on scientific cultivation of different crops for better productivity and undergo trainings on value addition to agricultural produce, processing of fruits and vegetables and execution of entrepreneurship modules. In the process students learn various aspects of entrepreneurship and also earn money while they learn.

In Animal science and dairy science students learn about management of domestic animals such as cows, goats and poultry birds. They also learn various skills on processing of milk and milk products and their marketing.

6.5.4.5 Examination and Evaluation Process

OC-64.3 SCHEME OF EXAMINATION

(As per Goa University Ordinance)

- (a) There shall be a Mid-term Exam, Practical Exam and External Theory.
- (b) Each Course shall be evaluated for 100 marks.
- (c) Courses of Semesters I to VI with theory and/or practical components shall be evaluated as indicated below:

(i) Courses with theory and practical components	Maximum Marks
1. Mid-term Exam	30
2. External Theory (SEA)	50
3. Assignment	05
4. Practical Examination	15
Total	100
(ii) Courses with only theory Components	Maximum Marks

1. Mid-term Exam	40
2. External Theory (SEA)	50
3. Assignment	10
Total	100

(iii) Courses with only practical components	Maximum Marks
1. Practical Work	60
2. Record and Assignment (SEA)	10
3. Practical Examination (SEA)	30
Total	100

(iv) Courses with only practical components (Semester VII and VIII)	Maximum Marks
1. Practical Work	60
2. Project Report (SEA)	30
3. <i>Viva Voce</i> Examination (SEA)	10
Total	100

1. (e) The University shall conduct External theory examination of Semester I to VI. The external examiners appointed as per OB-4, shall set the question papers for external theory (SEA). The syllabus of the course shall be sent to the external examiner. The university shall also appoint a convenor paper setter for each course of semesters I to VI.

(f) The evaluation of answer sheets shall be carried out by the External examiners appointed as per OB-4.

(g) Practical examinations for Semester I to VI shall be conducted by the course instructor(s) and one teacher nominated by the HOD or Principal. 50% of the marks shall be assigned by the course instructor and the remaining 50% marks by the teacher nominated by the HOD/Principal.

(h) The University shall conduct Practical examination for Semester VII and VIII. The external examiners shall be appointed as per OB-4.
2. There shall be Mid Term Examination and External Theory Examination (SEA)
 - (a) The Mid Term Exam shall be conducted in a given Semester for the theory component of a course in written test mode.
 - (b) The Mid-term Exam shall not be conducted for the Practical component of a Course.
 - (c) Generally, the Mid-term Exam for a given Course shall be conducted by the College.
 - (d) The schedule for the Mid-term Exam component shall be notified at the beginning of the Semester.
 - (e) The marks of the Mid-term Exam shall be communicated to the students within two weeks of the examination.
 - (f) The test shall preferably be completed by mid of each Semester. Students who fail to appear for the test due to a genuine reason verified by the principal shall be given another opportunity on a date pre-determined by the College.
 - (g) The College shall appoint a three-member committee to monitor the Midterm exam in the College. There shall be no remission in workload or remuneration for carrying out this work.

- (h) A student who does not appear for a midterm exam shall not be eligible to answer the External Theory (SEA) of that paper.

3. The External Theory (SEA) shall be conducted at the end of a given semester. External Theory (SEA) shall cover the course of studies prescribed for the respective semester.

- (a) A candidate shall be considered to have successfully fulfilled the requirements of a Semester and shall be deemed eligible to appear for the External Theory and Practical Examination (SEA) provided he/she fulfils the minimum requirements as per OC-64 A 2.2.

- (b) The duration of the External Theory (SEA) paper shall be of two hours.

- (c) A tentative schedule of External Theory (SEA) examination, evaluation, and declaration of results shall be prepared by Goa University, preferably at the beginning of each academic year, and shall be notified to the students and college.

(d) The pattern of question paper(s) to be set for the Mid Term Exam, Practical examination, External Theory (SEA) in a given subject, and the scheme of marking shall be recommended by the Board of Studies (BOS) in that subject. For this Purpose, the Board of Studies shall frame specimen question paper(s) of the Midterm exam, Practical Examination, and External Theory (SEA) examination in the concerned subject for each Semester for the information of the students.

4. **Revaluation**

- (a) There shall be revaluation as per Goa University Ordinance OA 5.15.

5. **Standard of Passing**

- (a) A student is required to score a minimum of 50% of the marks in each course.
 (b) There shall be a combined head of passing for theory and practical components to be declared pass in a course.

6. **Grading system**

(Applicable for exams conducted from Academic year 2024-25 for all years)

- (a) Calculation of CGPA shall be as per OA-16,4.6.
 (b) % of Marks = CGPA or OGPA*10

Evaluation

Percentage of Marks Obtained	Conversion into Points
100	10 Points
90 to < 100	9 to <10
80 to < 90	8 to <9
70 to < 80	7 to <8
60 to < 70	6 to <7
50 to < 60	5 to <6
<50 (Fail)	<5

Percentage	OGPA	Division/Class
50% to 59.99%	5.000 to 5.999	Pass

60% to 69.99%	6.000 to 6.999	II division
70% to 79.99%	7.000 to 7.999	I division
80% and above	8.000 and above	I division with distinction

7. Declaration of results

- (a) The statement of marks or Grade Card on the ten-point scale for Semesters I to VIII shall be issued by Goa University.

8. Repeat Examination

(a) A candidate failing in a subject shall have to answer both External theory and practical examinations as a repeat course. For such repeat course, the midterm exam and record/assignment marks shall be carried forward.

(b) A student may re-register for a course with a regular batch.

(c) A student shall not register for more than 30 credits in any semester.

(d) 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 III and IV to be eligible for admission to Semester VII.

6.5.4.6. NSS Units:

The NSS Unit (National Service Scheme) started in college in the year 2015-16 is self-financed. The first-year students enroll for NSS as per the strength decided by the University and the Department of Youth Affairs and Sports, Govt. of Goa. The NSS activities are undertaken under two heads viz., Regular NSS activities and NSS special campaign programme, however the NSS Special Campaign Programmes shall commence after receiving the NSS Grants. Every year, regular activities are organized in campus, villages, schools and other organizations, which involve blood donation camps, tree plantation, sessions on prevention of AIDS, adult education, agriculture technology transfer programme, self-defence for girls etc. The details of programmes organized by NSS unit are given below:

Sr. no.	Particulars	Details
1	Name of Unit	NSS Unit
2	Programme Officer	Mr. Sagar Palconda
3	Total Intake Capacity	100
4	Regular Activities of NSS Unit	Cleaning campaign, tree plantation, seminar on personality development, observance of important days, celebration of yoga day, AIDS awareness campaign, blood donation camp, rally's on different social issues etc. in surroundings villages, college campus are conducted.

6.5.4.7 Comprehension English Language Laboratory:

The college has been making efforts in order to increase the efficiency of students in communication skills and to help them develop a good command on English language. This also involves various communication development programmes such as language skills, workshops and classroom activities. Currently, the college is planning to establish independent Language Laboratory. The details of the programmes organized in the past are given below:

Sr. No.	Type of Programmes	Number of Students
1	Phonetics and Pronunciation	No. of Students: 79
2	Team Building and Group Discussion	No. of Students: 40
3	Group building	No. of Students: 41
4	Resume Preparation, Body Language and Usage of Professional Words	Classroom Activity (Conducted for all four years)
5.	Body Language and Personality development	Classroom Activity (Conducted for all four years)

6.5.4.8. Cultural Centre:

The college has a magnificent antiquity of the cultural events performed by students. Various cultural events are regularly organized to encourage students to participate in cultural activities. The students regularly participate in the University and State level and inter college cultural competitions. At college level competition of various cultural events like dance, debate, elocution, quiz, one act play, fashion show, card making, painting, model making are conducted every year. The teacher and student committee, in-charge of college cultural activities look into day-to-day cultural accomplishments of the students. The college offers an inclusive and reflective space, multicultural programming and supports services for the cultural atmosphere in the college campus. It further encourages positive interaction, academic persistence and harmonious growth among students, faculty, and other staff of the college.

Mentioned below are some of the activities in which college participated and received accolades:

Particular	Level	Awards
Inter collegiate cultural youth festival Yuva Sangram -2018	State	General Championship-2019 along with 1. Winner - Fancy Dress 2. Winner – Wealth out of waste 3. Runner up – Group Dance 4. Third Place – Photography & Collage making.
Inter Collegiate cultural youth festival Meteora-2018	State	1. Winner as Miss Meteora 2. Runner up – Fashion Show

Inter Collegiate cultural youth festival Anantara-2018	State	1. Winner - Mime 2. Winner – Dodge Ball 3. Runner up – Ad mad show 4. Runner up - Debate 5. Third Place – Photography, Singing & power couple
College organised Inter class cultural youth festival Yuyutsa- 2019	College	24 cultural events accompanied by some sport events were organized at inter class level
Inter Collegiate cultural youth festival Bramhastra–2020	State	1. Runner up- Fashion Show 2. Winner – On the spot event
College organised Inter class cultural youth festival Green Glares-2020	College	15 cultural event accompanied by some sport events were organized at inter class level
Inter collegiate cultural youth festival Yuva Sangram -2020	State	Runner up Mr & Ms. Yuva Sangram
Inter Collegiate Cultural Fest K'OSS by SS Dempo College 2023	State	Participated
Intercollegiate Cultural Fest Trishul Organized by GPCOE 2024	State	Participated

6.5.4.9. Personality Development:

The college makes enormous efforts to develop the personality of students to face challenges in life and increase their employability. This includes training on development of functional grammar in standard English- and English-speaking skills, reasoning, group discussions, interview skills, personal interviews, quantitative ability, verbal ability, mock tests and some special sessions for personality development of the students.

Various programmes have been organised by the college to develop overall personality of the students. The college has also arranged guest lecturers of eminent personalities from time to time, the details of which are given below:

Sr. No.	Type of Programmes	Details (Date and number of students)
1.	Seminar on Team Building attributes Fr. Lawrence Monteiro, Fr. Ralin Desouza & Fr. Jason Coelho	19/09/2018 No. of Students- 115
2.	Workshop on Group building & development - Fr. Edison Fernandez	02/10/2018 No. of Students- 139

3.	Workshop on Entrepreneurship Development - Mr. Ramchandra Salgaonkar - Ms. Suvarna Surlekar - Mr. Sushant Surlekar - Mr. Sudip Faldesai	15-17/12/2018 No. of Students- 80
4.	Introduction of FIIRE for Faculty members - Mr. Revankar	6/12/2018 No. of Participants – 30
5.	Forum for Innovation Incubation & Research - Hackathon – Idea Generation Programme	1-2 /02/2019 No. of Students- 160
6.	Krishi Agri. Business Incubator - Dr. Vinayak Hosamani, Chief Operating Officer, University of Agriculture Science, Dharwad	5/12/2019 No. of Students- 80
7.	Opportunities in Agriculture - Mr. Satej Kamat Assistant Director of Agriculture Govt. of Goa	09/04/2019 No. of Students – 38
8.	One day workshop on Entrepreneurial opportunities in Bee-Keeping, Mushroom Cultivation and Grafting Techniques	10/08/2023 No. of Students - 37
9.	Session on Overseas Education by Maxcell Institute	25/08/2023 No. of Students - 19
10.	A motivational talk on Future prospects in Agriculture -Dr. P.G. Borkar	15/12/2023 No. of Participants – 86
11.	Seminar on Future of Artificial Intelligence -Dr. Roopa Praveen	13/01/2024 No. of Participants – 47
12.	Youth Development - Ketki Parab	16/01/2024 No. of Participants – 42
13.	Mera Yuva Bharat - Shri Rajesh Faldesai	16/01/2024 No. of Participants – 66
14.	A talk on emerging areas in Research - Dr. Siddhi Jalmi	29/01/2024 No. of Participants – 52
15.	Awareness Program under Honey Mission - Mr. Pramod Ambatkar - Melvin D'Souza	02/02/2024 No. of Participants – 87

16.	Signalling: A mode of communication in plants - Dr. Siddhi Jalmi	13/02/2024 No. of Participants – 92
17.	Hands on training on millets Recipes - Mrs. Sunetra Talaulikar	26/02/2024 No. of Participants – 45
18.	Talk on Administrative Procedures - Mr. Kisan Fal Dessai	29/02/2024 No. of Participants – 18
19.	Talk on Natural Farming - Shri Sanjay Patil	04/04/2024 No. of Participants – 121
20.	Hands on Training in Vermicomposting - Mr. Mandar Gawas - Ms. Saloni Patil	10/04/2024 No. of Participants – 30
21.	Guidance on preparation for ICAR-JRF Exam - Dr. Pramod Sawant	16/04/2024 No. of Participants – 89
22.	Talk on my experiences in Agricultural Extension Education - Dr. R. B. Belli	10/05/2024 No. of Participants – 25
23.	Cultivation of traditional & Salt tolerant paddy varieties in Goa - Mr. Nestor Rangel	13/05/2024 No. of Participants – 56
24.	Hands on training in Vermicomposting - Ms. Saloni Patil - Mr. Mandar Gawas	31/05/2024 No. of Participants – 23
25.	Hands on Training on Coco-peat - Mr. Sanjay Nitave - Er. Vinod Atkari	11/07/2024 No. of Participants – 18
26.	Expert talk on Agro ecological perspectives of Goa - Mr. Sujeetkumar Dongre	16/07/2024 No. of Participants – 40
27.	Hands on training on Turmeric cultivation - Dr. Gourish Karanjalker - Mr. Mandar Gawas	30/07/2024 No. of Participants – 19
28.	Hands on training on Marigold cultivation - Dr. Govind Parab - Mr. Mandar Gawas	31/07/2024 No. of Participants – 27
29.	Expert talk on RAWE –A learning experience - Dr. Sachin Tendulkar	03/08/2024 No. of Participants – 21
30.	Session on Preparation of Banking Examination - Mr. Pankaj Ambekar	24/08/2024 No. of Participants – 92

31.	Promotion of Moringa - Vandana Kakodkar	29/08/2024 No. of Participants – 91
32.	Suicide Prevention: Everyone's responsibility - Mrs. Nikita Rao	19/09/2024 No. of Participants – 52
33.	Medicinal Plants: Cultivation and processing - Dr. Digamber Mokat - Dr. Shripad Mahamuni	21/09/2024 No. of Participants – 49
34.	Training Program on Drone Technology & its applications in Agriculture - Dr. Shajahan Kutty - Prof. Carmelito Andrade	21/09/2024 No. of Participants – 48
35.	Training Program on Drone Technology & its applications in Agriculture - Dr. Shajahan Kutty - Prof. Carmelito Andrade	28/09/2024 No. of Participants – 48
36.	Training Program on Drone Technology & its applications in Agriculture - Dr. Shajahan Kutty - Prof. Carmelito Andrade	05/10/2024 No. of Participants – 49
37.	Talk on Mental health - Ms. Nikita Rao	09/10/2024 No. of Participants – 27
38.	Training Program on Drone Technology & its applications in Agriculture - Dr. Shajahan Kutty	19/10/2024 No. of Participants – 38
39.	Session on Sexual Harassment at the workplace & the laws that govern it - Hon. Dr. Sayonara Telles Laad	24/10/2024 No. of Participants – 67
40.	Drone Technology- Mission planning - Prof. Milind Fernandes	26/10/2024 No. of Participants – 39
41.	Talk on Biosenses for Agricultural Applications - Dr. Rhea Patel Dhond	06/01/2025 No. of Participants – 48
42.	Training on Integrated Pest Management for Self Help Group (Tiswadi Block)	09/01/2025 No. of Participants – 31

	- Mr. Rajan Shelke	
43.	Training on Integrated Pest Management for Self Help Group (Bicholim Block) - Mr. Rajan Shelke	10/01/2025 No. of Participants – 42
44.	Agripreneur's Talk -Mr. Joyd Simoes - Mr. Elijah De Souza - Ms. Estells Pires - Ms. Liza Pinheiro	16/01/2025 No. of Participants – 94
45.	Hands on training on preparation of Pickle - Mrs. Sunetra Talaulikar	06/02/2025 No. of Participants – 26
46.	POSH Act Session for Staff members - Adv. Emidio A. Desouza Pinho	06/02/2025 No. of Participants – 22

6.5.5.

Physical Facilities

6.5.5. Physical facilities

The college has provided hostel facility for girls the details of which are given below:

6.5.5.1 Hostels

Sr. No.	Facility	Hostels with Details	
		Boys Hostel	Girls Hostel
1	Capacity	-	40
2	Students Per room	-	2-3 per room
3	Mess Facility	-	Yes
4	Drinking water	-	Yes
5	Indoor game	-	Yes
6	Cleaning	-	Housekeeping staff is appointed
7	Study Room	-	Yes
8	Emergency medical	-	No
9	Solar water heater	-	No
10	Wi-Fi	-	Yes
11	TV Room	-	-
12	Security	-	Yes
13	Emergency lighting	-	-
14	Telephone	-	All students use personal mobile

College is planning to construct new Hostel facilities for its students and for farmer training groups. All the rooms will be furnished with required fixtures and fittings. The TV hall and reading room facilities will be created in the hostels.

6.5.5.2. Examination hall:

The college uses three class rooms to conduct the examinations, the details of which are given below:

Sr. No.	Details	Examination Hall		
		1	2	3
1.	Capacity	40	40	40
2.	CCTV Surveillance system	No	No	No

3.	Safe drinking Water	Yes	Yes	Yes
4.	Emergency Backup	Yes	No	No

6.5.5.3. Sports and Recreation Facilities:

The College has provided good infrastructure facilities for sports and recreation, indoor as well as outdoor facilities.

There is regular College Director of Physical Education and Sports who engages the students in sports and NSS activities.

Indoor Facilities:

Sr. No.	Games and sports	Equipment and infrastructure Facility
1	Table tennis	1 Tables
2	Carom	2 carom boards facilities
3	Chess	4 Chess sets
4	Indoor Badminton Hall	One court

Outdoor facilities:

Sr. No.	Games and sports	Number and facilities
1	Athletics	Tracks are marked only during events
2	Volleyball	1 Volleyball ground
3	Basketball	-
4	Football	1 Football ground with goal posts
5	Handball	1 Handball court
6	Cricket	1 Cricket ground
7	Kabaddi	1 Kabaddi ground
8	Nature walking track	1 Nature walking track
9	Kho Kho	1 Kho Kho ground
10	Tennikoit	1 Tennikoit (Ring) ground

Academic Year	Achievements
2018-19	the college won the All-Goa Intercollegiate Women Volleyball championship securing 3 rd place
	the college won 3 rd place in All-Goa Intercollegiate handball men championship
2019-20	the college had participated in All-Goa Intercollegiate Women and men Volleyball

	<p>championship, where Women team reached up to Quarter Finals</p> <p>Men team participated in All-Goa Intercollegiate Handball Men Championship, followed by participated in various events in All-Goa Intercollegiate Athletic Championship</p>
2022-23	<p>the college had participated in All-Goa Intercollegiate Women and men Badminton, Volleyball, Football and Athletics, Taekwondo championship, where in Taekwondo students have won silver and bronze medal and in Athletics gold medal in 20KM walk. One of our students Selected for Goa University Cricket Team participated in West Zone Inter University Cricket Men's Championship.</p>
2023-24	<p>24 the college had participated in All-Goa Intercollegiate Women and men Badminton, Volleyball, Football and Athletics, Taekwondo championship, Where Judo Men's Won Gold Medal and also secured 3rd place and also in Taekwondo students have won bronze medal and in Athletics gold medal in 20KM walk. One of our students Selected for Goa state Lagori Team participated in National Games Goa-2023 were the Winner, won 1st place, and also the same team had participated at 10th Senior National Lagori Championship 2023 has Won 1st Runner Up. Our College Director of Physical Education has participated at National Games and Won Bronze Medal in Penckak-Silat game.</p>
2024-25	<p>the college had participated in All-Goa Intercollegiate Women and men Badminton, Volleyball, Football and Athletics, Taekwondo championship, where in Judo Men's won Gold Medal and also in Taekwondo students have won bronze medal. Students also Participated in sports like Tennikoit and Kho-Kho and Kabaddi.</p>

College also conducted Inter-class cricket tournament followed by Volleyball and Recreational games.

6.5.5.4. Auditorium:

The college auditorium is under construction and the work will be completed in 4-5 months.

6.5.5.5. Exhibition Hall/Museum:

Museum is under construction. The work will be completed in 3-4 months.

6.5.6.

Research Facilities

6.5.6. Research Facilities

6.5.6.1. Laboratories and Equipments

The college is provided with adequate land, laboratories, equipment and machinery for the undergraduate programme B.Sc. (Hons.) Agriculture,

The college campus is spread over 40 acres of fertile land, which is divided into blocks and allotted to different departments as per the guidelines of Vth Deans committee. The instructional farm has required facilities such as irrigation, farm machinery and storage space.

The experiential learning courses for final year students are conducted by concerned departments using the facilities in the instructional farms. Apart from farm land, there are two poly houses and shade net houses in the campus for imparting hands on training and research. A list of major laboratory equipments provided to each department is given below:

Sr. No	Departments wise laboratories	Major Equipments
A.	Dept. of Agronomy	<p>Digital Brix Refractometer, Moisture Meter, Hydrometer, Luxemeter, Agro Meteorology station & AWS., Model of earth, Fortins Barometer with mercury, Hot air oven, Aluminum Moisture box, Compact Universal Digital Moisture meter-1 & Digital-1, Screw Auger (7.5 cm diameter), Bucket auger (10 cm diameter), Digital Weighing Balance (60 Kg-1 & 1 Kg -2), Conductivity Meter, pH Meter, Meter Scale one meter long, Glass Fiber Measuring Tape (30 meter), Hand Refractometer, Double ring Infiltrometer, Seed Germination Papers set, Digital Vernier Caliper “Insize” make 150 mm, 15 lit/sec. V notch (90 degree) 20x40, 15 lit/sec Rectangular weir, 15 lit/sec Trapezoidal weir, 1 CUSEC Parshall flume, 1 CUSEC Cut Throat flume section 20x90, FRP Orifice meter (1.0x1.0 m plate with 12.5 cm hole), Pick axe (Tikav) with handle, Kudli, Spade, Weeding hooks (Khurpe), Sickle, Vaibhav Sickle, Cono weeder, Dry land weeder, Field maker, Rotary tiller (Power weeder), Rotary paddy thresher, Spring balance (50kg), Tensiometer, Core sampler, Sprayers, Ghamela, Rose can, Chopper</p> <p>Agricultural Meteorology Minimum Thermometer, Dry Bulb Thermometer, Wet Bulb Thermometer, Digital Anemometer, Cup Counter Anemometer, Open Pan Evaporimeter (Complete Set), Soil Thermometer – 5 cm depth, Iron stand for 5 cm soil thermometer, Soil Thermometer – 10 cm depth, Iron stand for 10 cm soil thermometer, Soil Thermometer – 20 cm depth, Iron stand for 20 cm soil thermometer, Sunshine Recorder, Single Stevenson Screen, Single Stevenson Screen Stand, Double Stevenson Screen, Ordinary rain gauge, Self recording rain gauge, Bimetallic Thermograph, Hair Hygrograph, Double Stevenson Screen Stand, GPS (Garmin Etrex-10), Lux meter</p>

B.	Animal Husbandry and Dairy Sc.	Deepfreeze, Rain-gun, egg incubator, Milking machine, Ice cream making machine Gerber Centrifuge machine, Cream Separator, Hydroponic fodder machine, Silopack machine, Hot Branding Iron, Hot Air Oven (with digital temp), Gas Burner, Burdizoss Castrator, De Beaker, Muffle Furnance (with digital temp), Tarson hot Plate, Digital Electric Brooder, Analytical Balance, Micro Kjeldhal, Platform Balance, Gas stove, All glass distillation unit double stage, Soxhlate apparatus with glass apparatus, Willy Mill grinder, Cattle crate, Egg Caddling machine, Rain Gun with stand, Vaccum Pump, Gerber centrifuge machine operated, Gerber centrifuge machine Electric, Refrigerator,
C.	Dept. Of Agril. Botany	Digital screen microscope and compound microscope ,Student microscope Binocular Microscope, Electronic Moisture Meter, Electronic balance, Advanced Microscope with Digital Camera, Hot Air Oven, Digital Seed Counter, Digital Moisture Meter (Universal), Plant Growth Chamber, Sample Divider (Boerner/Conical Divider), Seed Riffle Divider (Soil Type), Sample Divider (Gamet/Centrifuge Divider), Illuminated Purity Work Board, Chlorophyll meter, Portable Leaf Area Meter
D	Dept. of Agril. Engineering	3 Tractors, 2 Tractor Trolley, Rotavator, levelling blade, Disc plough, MB ploughs, hand tiller, 3 size tractor operated augurs, All survey equipments, Models of different types of greenhouses, Models of different cooling system used in greenhouse, LSU Dryer model, Models of grain handling equipment. i) Belt Conveyor, Model of fixed drum biogas plant, Model of different types of gasifiers, Biodiesel plant model, Ethanol production plant model, "Sunshine" Universal Moisture Meter Seed/ Grain Moisture Meter, Vernier Caliper Range: 0-150 mm, Micrometer Screw Guage Range: 0-25 mm, Digital Thermohygrometer (Big display,3 line LCD) 288ATH, Humidity: 20-90% R.H, Tempt.-20-70°C, Hot Air Oven, Dumpy level Model NO. DL-9 Roller type with battery Operated
E.	Dept. of Agril. Economics	Statistical software in Microsoft Excel
F	Dept. of Agril. Entomology	Honey boxes, Honey extraction machine, Binocular Microscope, Sterio Zoom Microscope, Soxhlet Extraction Heating unit, Digital pH Meter, Computer with Printer, Stingless Bee Boxes, Precision balance, Hot Air Oven, Desiccator
G.	Dept. of Agril. Extension Education	Sound system with mike, display boards,

H.	Dept. of Horticulture	ERMA hand refractometer 0-32% B, ERMA hand refractometer 28-62%, Turmeric Polisher, Jackfruit Processing Machine, Foil sealing machine. Food science & Technology a.(post harvest) Hand refractometer, Digital refractometer, Oven, Refrigerator, Electronic weighing balance, Pan Balance, Deep freezer, Ph meter, Fruit crusher, Grinding & mixing machine, Distillation assembly, b.(UG lab) Seed germinator, Mist chambers, Poly house with drip irrigation system, Microscope, Food science & Technology Refrigerator, Muffle furnace, Weighing balance, Waterbath, Hot air oven, Fruit penetrometer, Pulper, Juice extractor, Crown corking machine, Spectrophotometer, Microwave oven, Baking oven, Seive shaker, Poly pouch sealer, Crusher, Masala grinder, Dehydrator, Cold room, Vaccum pump
I.	Dept. of Plant Pathology	Laminar airflow, Vertical autoclave, Incubator, Hot air oven, Desiccator, Induction Cook top & Cooker, Refrigerator, Microscopes, Distillation Unit, UPS Inverter, Cooler, Rotary shaker , Analytical balance and Mixer grinder, PCR machine, Gel electrophoresis system, Binocular Microscopes, Trinocular Microscopes with Camera attachment, Stereobinocular Microscopes, Autoclave, Laboratory Hot Air Oven, Bacteriological Incubator, Refrigerator, Analytical Balance, Electric Air cooler, Laboratory Tabletop Centrifuge, Waterbath, Table top Balance, Microprocessor Colony counter, pH Meter, Deep Freezer, Camera Lucida
J.	Dept. of Soil Sci. & Agril. Chemistry	N-Analyzer, Spectrophotometer, Flame photometer, Desiccator, Muffle furnace, Distillation Unit, Hot Air Oven, Electronic Weighing Scale (0.01g-220g), pH Meter, EC Meter, Cone Penetrometer, Digital Hot Air Oven, Pocket PH Meter. Rotary Shaker, Magnetic stirrer with hot plate, Nitrogen Digestion Block, Water Bath with digital controller, Rock Sample (Individual) about 4 inch, Mineral Sample (Individual) about 4 inch, Screw Auger, Post hole auger, Thermometer, Soil thermometer with steel jacket at the bottom (5, 10, 15 and 25 cm), Aluminium Moisture Box, Sieves with different mesh(2mm & 0.5mm)

Research Project

Sr.No	Department	Research Work
1.	Dept. of Agricultural Botany	➤ Standardization and comparison of plantonics granules, plantonics special and plantonics gold

	& Dept. of Agricultural Extension Education	with university package of practice for sugarcane crop. ➤ To evaluate the efficiency of CRADLE WG + INJECT + NANOZIM XTRUDE GRANULES + NANOZIM DRIP on sugarcane with special reference to quality and yield contributing parameters (Research contingency – Rs. 20,000/-)
2.	Dept. of Agril. Extension	➤ Study on feedback of farmers about Rural Agriculture Work Experience Programme. ➤ Study of Knowledge and attitude of farmers towards organic farming practice in South Goa.
3.	Dept. of Entomology	➤ Field Evaluation of Red palm weevil <i>Rhynchophorus Ferrugineus</i> Olivier Pheromone lures ➤ Beekeeping in Quepem and Sanguem Talukas ➤ Receptivity of injured and Aged coconut petiole for oviposition by Red palm weevil
4.	Dept. of Horticulture	➤ Germplasm conservation and evaluation of mango, Guava, Sapota, Citrus and Kokum in GCA. ➤ Permaculture implementation for solving problems of organic cultivation.
5.	Dept. of Plant Pathology	➤ Isolation of different pathogens causing important diseases of crop plants in Goa and screening pathogen to different bio-control agents ➤ Conducted experimental trial on Oyster Mushroom Cultivation by using different substrates along with the preparation of spawns. ➤ Isolation and preparation of formulations of <i>Trichoderma</i> . ➤ Conducted field trials for evaluating plant extracts and different bio-fertilizers as well as bio-control agents supplied by the College of Agricultural Biotechnology, Baramati.
6.	Dept. of Soil Science & Agri. Chemistry	➤ Use of microbial culture in composting. ➤ Enrichment of organic manure with Bio-fertilizers. ➤ Fertilizer recommendation to sugarcane.

6.5.6.2 Research Contingency

Sr. no.	Name of the project	Year	Department	Amount	Project Incharge	Funding agency
1.	Lab testing of Spotta's smart	2021	Agricultural Entomology	1,00,000/	Mr. Rajan Shelke,	Spottapvt Ltd, UK

	monitoring technology for Red palm weevil.				Asst. Prof	
2.	Standardization and comparison of plantonics granules, plantonics special and plantonics gold with university package of practice for sugarcane crop.	2019-20	Dept. of Agricultural Botany & Dept. of Agricultural Extension Education	20,000/-	Dr. Prashant P.Patil and Dr. Rakesh Kawale	Gujarat Bio Organics Pvt. Ltd.
	Field evaluation of Red palm weevil and Rhinoceros beetle lures of Amitnyapvt. Ltd.	2023-24	Dept. of Agricultural Entomology	1,00,000/-	Mr. Rajan Shelke Assistant professor	Amitnya pvt. Ltd., Telangana

6.5.6.4 Mechanisms for student involvement in research

The UGC has launched an initiative to establish a Research and Development cell (RDC) in HEIs with the mandate for promoting quality research. Hence, Goa College of Agriculture under the guidance of Goa University and Directorate of Higher education, Porvorim-Goa has established RDC and Institute Innovation Council (IIC) from an academic year of 2022-23 that would help in creating a research ecosystem for reliable, impactful and sustained research output. The RDC would have the following objectives:

1. To create a conducive environment for enhanced research productivity.
2. To encourage collaboration across industry, government, community-based organizations, and agencies at the local, national, and international levels.
3. To facilitate greater access to research through mobilization of resources and funding.

The RDC committee monitors the Research activities undertaken by college faculty members and UG students in the College. The RDC and ICC committee comprises nominated Chairperson, Director and Members from the college who monitor, document and take necessary action on the research activities

6.5.6.5 Research and Extension publications in last 5 years

Department	No.of papers published	No. of extension publications	Practical Manuals	Books	Book chapter	Conferences	Award	Patent
Agronomy	9	0	4	1	1	3	0	0
Soil Sci. & Ag. Chem.	0	0	3	0	0	4	0	0
Horticulture	11	5	10	2	4	13	2	0
Botany	11	1	7	0	0	19	2	1
Entomology	5	5	7	1	1	5	0	0
Plant Pathology	0	10	6	0	0	0	1	0
Animal Science and Dairy Science	0	1	4	0	1	3	3	0
Ext. Edu.	1	5	7	0	0	3	1	0
Agril. Econ and Stat.	2	5	4	0	0	2	2	0
Agril. Engg.	2	0	0	4	0	0	0	1

6.5.7.

Outcome /Output

6.5.7. Outcome/Output

6.5.7.1. Student Performance in National Examinations:

The performance of students in different examinations like ICAR-JRF, Entrance Test for PG admission by different universities and other national examinations over the last year has been good and encouraging. The college administration has further made efforts to improve students' performance through various mechanisms and placement cell of the college.

a. Outcome of students (Only those students receiving fellowships should be mentioned).

Sr. No.	No. of student passed					
	JRF	SRF	NET	ARS	IELTS/UPPSC	Other
2018-19	-	-	02	-	1	-
2019-20	-	-	02	-	-	-
2020-21	-	-	01	-	-	-
2021-22	-	-	-	-	-	-
2022-23	-	-	-	-	-	-
2023-24	-	-	-	-	-	-

6.5.7.2. Students Placement Profile:

a) Number of student's secured admission for Master Degree programme through Maharashtra State Level CET and other state Examination

Year	No. of students (MCAER/Other state)	No. of students
2018-19	07	01
2019-20	09	01
2020-21	16	01
2021-22	15	-
2022-23	07	01
2023-24	04	01
Total	58	05

b) Details of student's secured admission for Master Degree programme through Maharashtra State Level CET and other state Examination

Sr. No.	Batch	Student	Major Subject	College/ Institute
1.	2018-19	Shivama Oppari	Agricultural Economics	DBSKKV, Dapoli
2.	2018-19	Shashank Naik	Agricultural Entomology	SHAUTS, UP

3.	2018-19	Bhushan Sawant Dessai	Soil Science & Agril. Chemistry	SHAUTS, UP
4.	2018-19	Akshay Parab	Horticulture	LPU, Punjab
5.	2018-19	Mandar Gawas	Food Technology	LPU, Punjab
6.	2018-19	Maria Joby	Agribusiness Management	VNMKV, Parbhani
7.	2018-19	Sergio Fernandes	M. Tech.	VTU, Bangalore
8.	2019-20	Saloni Patil	Agronomy	LPU, Punjab
9.	2019-20	Puja Phadte	Agricultural Economics	MPKV, Rahuri
10.	2019-20	Vandit Naik	MBA	Goa University
11.	2019-20	Brijesh Faldessai	Agribusiness Management	SHAUTS, UP
12.	2019-20	Branisha Nair	Horticulture	Babasaheb Bhimrao Ambedkar, UP
13.	2019-20	Anshul Lanjekar	Agricultural Entomology	SHAUTS, UP
14.	2019-20	Pratibha Misal	M. Tech	VTU, Karnataka
15.	2019-20	Joswin D' Souza	Philosophy	Pune
16.	2019-20	Ryan Mascarnhas	Philosophy	Goa
17.	2020-21	Sai maheshwari Baburi	Plant Pathology	SHAUTS, UP
18.	2020-21	Pragati Dessai	Agricultural Extension Education and Communication	SHAUTS, UP
19.	2020-21	Kaiser Colaco	Agribusiness Management	SHAUTS, UP
20.	2020-21	Janice Fernandes	Fruit Science (Hort)	SHAUTS, UP
21.	2020-21	Vibha Gaonkar	Vegetable Science (Hort)	SHAUTS, UP

22.	2020-21	Kaviraj Gauns Dessai	Agricultural Economics	SHAUTS, UP
23.	2020-21	Krutika Jaggal	Vegetable Science (Hort)	SHAUTS, UP
24.	2020-21	Kavita Pujari	Plant Pathology	VNMKV, Parbhani
25.	2020-21	Kruti Prabhu	Genetics & Plant Breeding	LPU, Punjab
26.	2020-21	Sanjana Kerkar	Agribusiness Management	SHAUTS, UP
27.	2020-21	Saharsh Malkarnekar	Agronomy	SHAUTS, UP
28.	2020-21	Manukonda Sri Sai Krishna	Agronomy	AKS University, MP
29.	2020-21	Pankaj Mapari	Plant Pathology	SHAUTS, UP
30.	2020-21	Dattaraj Naik	Vegetable Science (Hort)	SHAUTS, UP
31.	2020-21	Jayasri Puli	Plant Pathology	SHAUTS, UP
32.	2020-21	Saish Gaonkar	Agricultural Entomology	SHAUTS, UP
33.	2021-22	Raviteja Baddula	Agribusiness Management	IIPM, Bangalore
34.	2021-22	Kuntilesh Fal Dessai	Seed Science and technology (Bot)	SHAUTS, UP
35.	2021-22	Pritesh Gaonkar	Agricultural Entomology	SHAUTS, UP
36.	2021-22	Sainath Gaonkar	Floriculture and landscaping (Hort)	SHAUTS, UP
37.	2021-22	Alisha Peter	Agronomy	SHAUTS, UP
38.	2021-22	Utkarsh Sawant Dessai	Post-Harvest Technology (Hort)	SHAUTS, UP
39.	2021-22	Vignesh Shetye	Post-Harvest Technology (Hort)	SHAUTS, UP
40.	2021-22	Sreejitha Pillai	Post-Harvest Technology (Hort)	SHAUTS, UP
41.	2021-22	Digvijay Usapkar	Plant Pathology	SHAUTS, UP

42.	2021-22	Pavan Kalyan	Agribusiness Management	IIPM, Bangalore
43.	2021-22	Raviteja	Agribusiness Management	IIPM, Bangalore
44.	2021-22	Sravani Pothakamuri	IIRM	Insurance & Finance
45.	2021-22	Nagapuri Venkata Sai Revanth	Agribusiness Management	IIPM, Bangalore
46.	2021-22	Saisantosh Varma	IIRM	Insurance & Finance
47.	2021-22	Thammineni Nikhita	IIRM	Insurance & Finance
48.	2022-23	Shaikh Aakhil	Floriculture and Landscape Architect (Hort)	AMU, Aligarh
49.	2022-23	Anant Betkekar	Horticulture	LPU, Punjab
50.	2022-23	Chenoa Coutinho	Wildlife Conservation Action	Bharati Vidyapeeth, Maharashtra
51.	2022-23	Sushant Ghadi	ABM	IBMR, Gurgaon Haryana
52.	2022-23	Konda Subba Reddy	Genetics & Plant Breeding	SHAUTS, UP
53.	2022-23	Samarth Dhond	Geography	Goa University
54.	2022-23	Preeti Naik	Genetics & Plant Breeding	DBSKKV, Dapoli
55.	2023-24	Amogh Mohan Parab	Agronomy	GBPU, Uttarakhand
56.	2023-24	Deep Ranganath Naik	ABM	ANDU, Ayodhya
57.	2023-24	Charan Kumar Jalaneela	Agricultural Economics	ANDU, Ayodhya
58.	2023-24	Tushar Uday Gaonkar	ABM	DRPCA, Bihar

c. Students Pursuing Overseas Education (PG degree Programme)

Sr. No.	Batch	Student	Major Subject	College/ Institute
1	2018-19	Andrea Cheradil	Plant Protection	University of Debrecen, Hungary
2	2018-19	Anna Maria	M.Sc. Agri	Canada
3	2020-21	Muppa Vineela	M.Sc. Agri	Tuskegee University, USA
4	2022-23	Kandukuri Sathvika	Business Management	Canada
5	2023-24	Neel Fernandes	Agricultural Technology and Innovation	Royal Agricultural University, UK

d) Year wise Employment/ Education status of the students

Year	Total No. of students	No. of student employed	No. of student sector wise				
			Govt	Private	Self-employee	Higher Education	Preparing for Higher education/ Searching for Employment
2018-19	37	27	12	13	02	08	02
2019-20	41	27	10	14	03	10	04
2020-21	39	15	09	02	04	17	07
2021-22	43	21	04	16	01	15	07
2022-23	37	05	01	03	01	08	24
2023-24	25	07	01	06	00	05	13

6.5.7.3.Awards/Recognitions/Certificates:

Awards/recognitions/certificates for last five years

A. Students Awards:

Participant/ Awardee	Achievements	Class	Participation Year
Andrea Cheradil	Cleared IELTS Exam	Sr.B.Sc. Agri.	2018-19
Akshay Parab	Excellent Agri Student Award by Krishithon, Nashik	Sr.B.Sc. Agri.	2018-19

Jonathan Faria	Represented as a Delegate of United Nations High Commissioner for Refugees, Thailand in Year 2019.	F.Y.B.Sc. Agri.	2018-19
Ryan Mascarenhas	Excellent Agri Student Award Krishithon, Nashik	Sr.B.Sc. Agri.	2019-20
Miss. Kavita Pujari	Excellent Agri Student Award Krishithon, Nashik	T. Y. B.Sc. Agri	2020-2021
Shaik Aakhil	Prof. Rui Pacheco De Figueiredo Memorial Scholarship	Sr.B.Sc. Agri	2019-23
Priyanka Parab Naik	Felicitation by NABARD	-	2020
Vandit Naik	Krishi Ratna Award	-	2021
Liza Pinheiro	1. Business Diwa Award 2. Goa Star women's Award	-	2021 2022
Shweta Gaonkar	1. Felicitation by NABARD 2. Goa Gaud Samaj Award	-	2021 2023
Ankita Bagle	1. Taekwondo – Bronze medal- Inter Collegiate Championship 2. Taekwondo – Bronze medal- Inter Collegiate Championship	S. Y. B.Sc. Agri T. Y. B.Sc. Agri	2022-23 2023-24
Mayuresh Gaonkar	1. Silver Medal at 10 th Senior National Lagori Championship Haryana 2. Gold Medal at 37 th National Games Goa (National Level) 3. Gold and Silver Medal for Lagori Game (National Level)	Sr. B.Sc. Agri	2023-24
Rama Maulingkar	Gold medal in Judo- Inter Collegiate Championship	S. Y. B.Sc. Agri	2023-24
Shareef Hullur	G 20 quiz competition in Bits Pilani	Sr. B.Sc. Agri	2023-24

A. Faculty Award/Training attended

Department	Participant/Awardee	Designation	No. of Certificates	Certificate	Type of Certificate	Participation Year
Agril. Botany	Dr. Prashant Patil	Asst. Prof.	4	International conference on Agricultural Economics	International Conference	2016-17
				One Day Seminar on Novel Vistas in Plant Sciences at Goa University	State	2018-19
				DHE (RUSA) Master classes series	State	2018-19
				11 th National Seed congress on "Recent Advances in research on Quality Seed for Self-Sufficiency in Oilseed and Pulses	National	2022-23
Agril. Botany	Dr. Dhanashri P. Gawas	Asst. Prof.	18	National convention on challenges in Indian agriculture and future strategies for sustainability	National Conference	2016
				Physiological approaches to enhance productivity in pulses under changing Climate	International Conference	2016
				International Conference "Role of social science, science, management and technology in achieving Sustainable development goals", (25-26 May 2018), Thailand	International Conference	2018

				National conference on Doubling Farmers income for sustainable and Harmonious Agriculture, DISHA-2019, BAU, Ranchi, Jharkhand.	National Conference	2019
				“National Webinar on A decade of Conservation Agriculture in India-Challenges and Opportunities, Bihar Agricultural University, Sabour, Bhagalpur.	National	2020
				National Webinar on Agricultural Biotechnology for Mitigating Climate Change.	National	2020
				“World Environment Day” Quiz, Department of Geography & Internal Quality Assurance Cell, P.D.V.P. Mahavidyalay, Tasgaon, Dist-Sangli (MS)	State	2020
				Department of Electronics & Communication covid-19 awareness quiz. Rajiv Gandhi College of Engineering Research & Technology, Chandrapur	State	2020
				National Webinar on “Environment Awareness and Conservation” Krishna Mahavidyalaya,	National	2020

				Rethare BK. Department of Geography		
				National Level Online Quiz on Microprocessor and it's Applications, Dept. of Computer Engineering, MET's Institute of Engineering, Bhujbal Knowledge City, Nashik.	National	2020
				International Webinar titled "Professionalism in Higher Education" Bharati Vidyapeeth college of engineering, IQAC, Navi Mumbai.	Internat ional	2020
				Geospatial Technology: Applications in Natural Resources Appraisal and Management, Department of Geography, Shivaji University, Kolhapur.	State	2020
				"C Programming" Quiz, Annasaheb Danga College of Engineering and Technology, Ashta.	State	2020
				Online Webinar on Can India Solve its Farmer's Plight & become Food Bowl of the World? Biotechnika Info. Labs Pvt. Ltd.	National	2020
				Three-day International Webinar on "Translating Physiological Tools	Internat ional	2020

				to Augment Crop Breeding.		
				International Webinar on “Opportunities and Entrepreneurship in Hydroponics”	International	2021
				“Environmental Quiz Competition”, on the occasion of world Environmental Day 2022. Goa State Pollution Control Board	State	2021
				Indias 1 St. Leadership Talk Series, By Dr. Abhay Jere MHRD’S Innovation Cell, Government of India. Chif Innovation Officer, MHRD Innovation Cell (Government of India)	National	2022
Agril. Extension	Dr. Shreyas Jadhav	Asst. Prof.	02	One Day National Seminar on Enhancing Consumer Welfare: Future Perspectives and Challenges with Special Reference to Goa	National	2020
				21 days summer school on emerging challenges & opportunities in biotic & abiotic stress management	National	2023-24
Agronomy	Mr. Sanjay Nitave	Asst. Prof.	06	“Organic Farming Production Techniques and Kitchen Gardening” 14 th and	State	2019-20

				15 th February, 2020 at DBCA, Sulcorn.		
				“International Conference on Precision Agriculture” held during September 26-27, 2022 organised by SVIAg, SVVV, Indore (M.P)	International	2022-23
				‘International Seminar on Medicinal Plants’ held during 10-11 Dec., 2022 at Panjim (Goa)	International	2022-23
				Three-Week National Online Certificate Course on “Application of RS and GIS in Natural Resources Management” organized by a M.P.K.V., Rahuri during January 10 to 30,2022.	National	2022-23
				XXII Biennial National Symposium on Climate Smart agronomy for Resilient Production Systems and Livelihood Security, Organized by Indian Society of Agronomy held at ICAR-CCARI, Goa during 22-24 November, 2023	National	2023-24
				Five Days Faculty Development Programme on “Ethical Intention	National	2023-24

				of Professionals Towards Teaching/Research/Extension” during 06 to 10/11/2023, organized by Shri Vaishnav Institute of Agriculture, Indore, (M.P.)		
Agricultural Entomology	Mr. Rajan Shelke	Asst. Prof.	19	Attended one day Apiculture Training organized by KVK-North Goa on 20/08/2016 at KVK Old Goa	State	2016
				Participated and presented a poster entitled studies on wilt and root rot diseases of sugarcane in International Conference on “Innovative Trends in chemical, Physical and Biosciences’ held at Pune on 9 th and 10 th feb. 2016.	International	2016
				AgriStart-ups Fest	National	2017-18
				Extension programme on Best Management practices in cultivation of Sugarcane, organised by Zonal Agricultural Office, Quepem - Goa	State	2017-18
				NPTEL workshop	State	2018-19
				International Conference on promoting Entrepreneurship in Goa for Environmental and Cultural Sustainability, organised by	International	2018-19

				banglanatak dot com at Goa University		
				Seminar on Recent trends in Microbial technology	National	2018-19
				Participated in one day workshop on “Writing Research Proposal” organized by Directorate of Higher education, Goa in association with university college teachers, association Goa and Govt. college of Arts, science and Commerce, khandola Goa on 11 th December 2019.	State	2019
				Participated in the National workshop on “Effective use of Nanomaterials and Nanotechnology for sustainable Agriculture” on 28 th and 29 th February, 2020 organised by Ponda Education Society’s Ravi Naik College of Arts and Science, Ponda Goa.	National	2020
				Attended the Training Programme on “Impact of Climate Change on Natural Resources” held from 18 th July to	National	2022

				22 nd July, 2022 organized by Goa Institute of Public Administration and Rural Development.		
				Participated in International Seminar on Medicinal Plants held on 10 th & 11 th December 2022, 9 th World Ayurveda Congress, Goa sponsored by National Medicinal Plants Board Ministry of Ayush, Government of India.	International	2022
				Participated and Presented poster entitled “Evaluation of red palm weevil <i>Rhynchophorus ferrugineus</i> Olivier pheromone lures in Bucket traps baited with natural and Synthetic co-attractants” at the International conference on Plant Health Management ICPHM 2023- Innovation & Sustainability held during November 15-18, 2023 at Hyderabad.	International	2023
				Resource person for training program on “Biopesticides and management of pests on Vegetables and field crops grown in Goa”, organized by	State	2022

				SAMETI-GOA on 6 th and 7 th October, 2022.		
				Delivered session on Introduction to Goa College of Agriculture & Role of Agriculture in Rural Development and facilitated the visit to Goa Agriculture College on 27 th February, 2023 for the Departmental Training Program for junior scale officers of Goa civil Service, conducted by GIPARD.	State	2023
				Delivered session on Introduction to Goa College of Agriculture & Role of Agriculture in Rural Development and facilitated the visit to Goa Agriculture College on 16 th October, 2023 for the training sessions under certificate course on community Engagement and Rural Development, conducted by GIPARD.	State	2023
				Delivered session on Integrated Pest Management on 22 nd November 2023 for the Western ghat Development program, organized by ZAO,	State	2023

				Sanguemin Village Panchayat Calem, Sanguem goa.		
				Organized International webinar on “Advances in Red palm Weevil Research and Management”.	International	2020
				Participated in International webinar on ‘Advances in Stored Grain Protection’ organized on the eve of International Year of Plant Health-2020 by National Institute of Plant Health Management, Hyderabad on 25 th November, 2020	International	2020
				21 days summer school on emerging challenges & opportunities in biotic & abiotic stress management	National	2023
Horticulture	Dr. GourishKaran jalker	Asst. Prof.	47	108 th Faculty Induction Program by UGC HRDC, Goa University from 17 th November to 3 rd December, 2020	State	2020
				21 days National training course on Technological interventions towards transformation of Agriculture, Sericulture, Animal Husbandry and allied sectors into sustainable enterprises for	National	2020

				atmanirbhar Bharat by Agro-Environmental Developmental Society, Uttar Pradesh from 11 th to 31 st October,2020		
				Management development program on biodiversity and environment laws for agricultural research by ICAR-NAARM on 7 th to 9 th June,2021.	National	2021
				FDP on Outcome Based Education and technology for Higher Education by Somaiya College and Guru Angad Dev Teaching Learning Centre of Ministry of Education under PMMMNTT CAS valid (UGC and AICTE)	National	2021
				Subject Refresher course on Research Methodology in Social Sciences by UGC-HRDC, Aligarh Muslim University from 21 st Aug to 4 th Sept 2021	National	2021
				Short Training Course in Education by UGC-HRDC, Aligarh Muslim University from 26 th Aug to 3 rd Sept 2021	National	2021
				21 Days National training course on Opportunities in Agriculture,	National	2021

				Animal Husbandry an Allied Sciences for Sustainable, Entrepreneurship and Livelihood security by 1 st July to 21 st July, 2021.		
				One week online Faculty Development Programme on “Effective Online Teaching Methods” from June 8 to 14, 2020 by the Department of Civil Engineering, Dr. N.G.P IT, Coimbatore	National	2020
				Online Short-Term faculty development program on “teaching tools to knockdown the lockdown” from 16 th to 20 May 2020 by College of Agriculture, Balaghat.	National	2020
				Online course on “Remote Sensing Applications in Agricultural Water Management” during 3-7 August 2020, conducted by Indian Institute of Remote sensing (IIRS), Dehradun	National	2020
				National e-Training on “Indian Agricultural Education System and Entrepreneurship Scope in 21 st Century” during August 05-14, 2020, organized by	National	2020

				National Agricultural Higher Education Project (IG), Faculty of Agricultural Engineering, PDKV, Akola		
				Attended one- month FIP organized by Angad Dev Teaching Learning Centre of Ministry of Education under PMMMNTT CAS valid (UGC and AICTE) with A grade from 25 th February to 27 th march 2023	National	2023
				Participation in 10 days course on “recent advances in millets crop production, processing, Value addition and marketing” organized by ICAR-IIMR, Hyderabad from 16-25 August, 2023.	National	2023
				Participation in the Agri Startup Fest on 6-7 March 2017 by held at University of Agricultural Sciences, Dharwad	National	2017
				Webinar on “Modern Technology of bee keeping for sustainable Agriculture Production” on 17//06/2020 by KK Wagh College of	National	2020

				Agriculture, Nasik, Maharashtra.		
				Webinar on “Biodiversity Connecting with Nature” on 14/07/2020 by CHRIST (Deemed to be University), Bangalore.	National	2020
				Online seminar on “Journey from Biofortification in food crops to including nutritional traits in varietal identification and release in Pearl millet on 09/07/2020 by Bioingene.com	National	2020
				Online-seminar on “Development of climate change resilient rice varieties through molecular breeding on 06/07/2020 by Bioingene.com.	National	2020
				Webinar on “Development of Vital critical thinking and communication skills through Visuals” on 10.06.2020 by B.S. Abdur Rahman Crescent Institute of Science and Technology.	National	2020
				Webinar on ‘Use of Elsevier Tools for developing Research workflow and Academic Writing’ on 18/05/2020 by the Directorate of	National	2020

				higher Education, Goa in collaboration with ELSEVIER.		
				Webinar on ‘How to Write a Great Research Paper, and get it accepted by a Good Journal’ on 03/06/2020 organized by the Directorate of Higher Education, Goa in collaboration with ELSEVIER.	National	2020
				Webinar on “Plant Viral Diseases: Economic Implications & Their Management” on 15/07/2020 by Bioingene.com.	National	2020
				Webinar on “Successful Preparation of Research Proposal” on 26.06.2020 by the Department of Civil Engineering, Dr.N.G.P. IT, Coimbatore	National	2020
				Webinar on “Status and Scope of vegetable Transplanters in developing countries” on 19/06/2020 by KK Wagh college of Engineering and Technology, Nashik, Maharashtra.	National	2020
				Webinar on “Basic Author Workshop Research Article Writing & Reference	National	2020

				Management Using Menedeley” on 22 nd June 2020, by the Faculty of Science, Annamalai University in collaboration with ELSEVIER.		
				Webinar on “Role of reactive oxygen species and antioxidant machinery in crop plants” on 17/07/2020 by Bioingene.com	National	2020
				Webinar on “Atmanirbar Bharat: Role of Higher Educational Institutions” on 20/07/2020 by ASSOCHAM	National	2020
				Webinar on “Digital Farming in Irrigation and Fertigation” on 31/07/2020 by KK Wagh College of Engineering and Technology, Nashik, Maharashtra.	National	2020
				Webinar on “Organic farming need of the hour” on 06/08/2020 by KK Wagh College of Agriculture, Nashik, Maharashtra	National	2020
				Webinar on “Microproteins: Novel tool to bioengineer future ready plants” on 17/08/2020 by Bioingene.com	National	2020
				Two-day webinar on	National	2020

				“Entrepreneurship for Future in Agriculture” from 10-11 August, 2020 by Don Bosco College of Agriculture, Sulcorna-Goa.		
				International Webinar on “Advances in Red Palm Weevil Research and Management” on 8/09/2020 by Don Bosco College of Agriculture, Sulcorna-Goa.	National	2020
				Webinar on “Relevance of Modeling in Nutrient and Water Management” on 04/09/2020 by Annamalai University	National	2020
				Webinar on ‘Advanced Educational Technologies’ by College of Horticulture and Forestry, CAU, Imphal.	National	2020
				International Webinar Series, July 2021: Covid Decoded: Takeaways for the Emerging Adult from 1 to 2 nd July, 2021 by Carmel College of Arts, Science and Commerce, Nuvem-Goa	National	2021
				Two days State Level Seminar on “NAAC Orientation and	State	2020

				NEP 2020” organized by Vidya Prabodhini College of Commerce, Education, Computer and Management in association with Directorate of Higher Education, Goa on 11 th and 12 th August, 2021		
				One week online Faculty Development Programme on “Effective Online Teaching Methods” from June 8 to 14, 2020 by the Department of Civil Engineering, Dr. N.G.P IT, Coimbatore	National	2020
				Online Short-Term faculty development program on “teaching tools to knockdown the lockdown” from 16 th to 20 May, 2020 by College of Agriculture, Balaghat.	National	2020
				Online training on “Recent Physio-Molecular Digital Tools in Abiotic Stress Management for crop Modeling” during 29 th June to 3 rd July, 2020 under National Agricultural Higher Education Project (NAHEP) of Indian Council of Agricultural Research (ICAR),	National	2020

				New Delhi and World Bank by Vasantnao Naik Marathwada Krishi Vidypeet, Parbhani.		
				Online Training Programme on the “Right to Information Act 2005” from 22 nd to 24 th July 2020 by Goa Institute of Public Administration and Rural Development Ela Farm Old Goa.	State	2020
				Online course on “Remote Sensing Applications in Agricultural Water Management” during 3-7 August 2020, conducted by Indian Institute of Remote Sensing (IIRS), Dehradun	National	2020
				National e-Training on “Indian Agricultural Education System and Entrepreneurship scope in 21 st Century” during August 05-14, 2020, organized by National Agricultural Higher Education Project (IG), Faculty of Agricultural Engineering, PDKV, Akola	National	2020
				Participation in Master Classes Series on the topic ‘World class University and Reforms in Governance’	State	2020

				organized by the Directorate of higher Education, Government of Goa under RashtriyaUchchatar Shiksha Abhiyan (RUSA) on 31 st January, 2020.		
				Participation in two days National training Workshop for quality enhancement in Higher Education organized by Directorate of Higher Education, Government of Goa on 9 th and 10 th March, 2018	State	2018
				Participation in seminar cum Training program on ‘Nuclear Technology: Development’ organized by Bhabha Atomic Research Centre, Mumbai on 3 rd February, 2018.	State	2018
				Participation in One Week Online Workshop on Biostatistical Data Analysis and Research Methodology during Dec 21-27, 2022, organised by Science Tech Institute (Run by MKS Educational Society), Lucknow, UP India	National	2022
				Participation in the 21 days training program on “Management and	National	2023

				Utilization of Plant Genetic Resources” during 1 February to 21 February, 2023 (Virtual mode) by ICAR-National Bureau of Plant Genetic Resources, Pusa Campus, New Delhi		
Agricultural Economics & Statistics	Dr. Rachana Kolambkar	Asst. Prof.	46	Two-week online training programme on “Protected Cultivation Technologies for Climate Smart Agriculture” organized by CAAST, MPKV, Rahuri.	National	2019-20
				Online training programme on “Introduction to Python Programming and its Applications in Climate Smart Agriculture” organized by CAAST, MPKV, Rahuri.	National	2019-20
				Three days online training course on “Carbon Sequestration in Climate Smart Agriculture” organized by CAAST, MPKV, Rahuri.	National	2019-20
				Online Training Course on “Climate change and its Effect on Pest and Disease” organized by CAAST, MPKV, Rahuri.	National	2019-20
				Participated in webinar on “Use of	National	2019-20

				Elsevier Tools for developing Research Workflow and Academic Writing” organized by the Directorate of Higher Education, Kerela.		
				National Webinar on “Species Recovery and Conservation of Endangered Species in India”. Organised by St. Joseph’s College, Bengaluru on 5 th June, 2020	National	2019-20
				Online Webinar on Chatrapati Sambhaji Maharaj MarathyachyaEtihasatil Tejasvi Parv” organized by IQAC & Department of History.	National	2019-20
				Webinar on “Modern Technology of Beekeeping for sustainable Agriculture Production” organized by K. K. Wagh Education society’s, Nashik held on 17 th June, 2020.	National	2019-20
				Participated in online Webinar on “Status & Scope of Vegetable Transplanter in Developing Countries”.	State	2019-20
				National level webinar on “Our Cosmic Consciousness” organized by the	State	2019-20

				department of Mathematics, Servite Arts and Science college of Women, Karur held on 29 th June, 2020.		
				Webinar On “Role of IPR and GI in developing Agriculture sector in India” organized by GMGC Group, Pune.	State	2020-21
				Attended webinar on “Plant Viral disease: Economic Implications & their Management” organized by Bioingene.	State	2020-21
				One day National webinar on “Climate Resilient Technology Demonstration: Experiences and way Forward” organized by Extension Education and Communication.	National	2020-21
				Webinar on “How to write a Great Research Paper” organized by DHE, Goa.	National	2020-21
				Webinar on “Atmanirbhar Bharat-Role of Higher Education Institution” by ASSOCHAM.	National	2020-21
				Online webinar on “Management of Downy Mildew and Blight in Grape during Current Situation” organized by K. K.	National	2020-21

				Wagh Education Society's.		
				Webinar on "Innovations in Food Packaging" organized by K.K.Wagh Education Society's.	National	2020-21
				Webinar on "Milk Processing: Opportunities and Management Techniques" organized by K.K.Wagh Education Society's.	State	2020-21
				Webinar on "Organic Farming: Need of the Hour" organized by K.K. Wagh Education Society's.	National	2020-21
				National webinar on "Entrepreneurship for future in Agriculture" organized by DBCA, Sulcorna.	National	2020-21
				International Webinar on "Advances in Red Palm Weevil Research and Management" organized by DBCA, Sulcorna.	International	2020-21
				National webinar on "Relevance of Modelling in Nutrient and Water Management" by Annamalai University, Tamilnadu.	National	2020-21
				Webinar on "Floriculture to sustain Farmers	State	2020-21

				Income Amid Pandemic” organized by DBCA, Sulcorna.		
				Webinar on “Endophyte modifies alternative splicing events in paddy genotype subjected to salinity stress”. Organized by DBCA, Sulcorna.	State	2020-21
				Webinar on “Genetic resources of spices and plantation crops from Andaman and Nicobar Islands”.	National	2020-21
				Webinar on “Underutilized fruits wealth of Andaman and Nicobar Islands” organized by DBCA, Sulcorna	National	2020-21
				International E-Conference on “Strategies & Challenges in Higher Education during Covid 19 Lockdown period in India with reference to the world” organized by Government Vidharba Institute of Science & Humanities, Amaravati, India.	National	2020-21
				Online course on “Remote Sensing Application in Agricultural Water Management” organized by IIRS, Government of India.	National	2020-21

				A seven Day International online Workshop on “English Language Teaching and Literature Current Issue, Trends and Challenges” organized by Department of English, Madurai.	National	2020-21
				Fundamental of Irrigation Online quiz organised by Training Institute & Consultancy Services, Aurangabad.	National	2020-21
				“World Environment Day” quiz organized by P.D.V.P. Mahavidyalaya, Tasgaon, Dist-Sangli.	National	2020-21
				“Online Economics quiz, 2020” organized by government First Grade College Ainapur, Karnataka.	National	2020-21
				“Online Economics quiz, organized by Government First Grade College Hosanagara, Karnataka on 6 th June, 2020.	National	2020-21
				E quiz on “Basic of Economics and Political Science” organized by K.L.E. Society, Karnataka.	National	2020-21
				“The Ganges Quiz” organized by CMP degree college, Prayagraj.	National	2020-21

				Successfully completed National Level E-Quiz on “Environmental and Agricultural Microbiology”.	National	2020-21
				E quiz on “Research Methods and Techniques” organized by DBCA, Sulcorna.	National	2020-21
				21 days UGC sponsored Faculty Development Programme, Goa University.	National	2021-22
				2 weeks UGC sponsored Refresher Course in Environmental Studies.	National	2021-22
				.UGC Sponsored Online Short-Term Training on Research Methodology in Social Sciences.	National	2021-22
				Completed SWAYAM course on “Principles of Marketing” dated 28/09/2021. Offered by Ministry of Education Government of Goa.	National	2021-22
				A seven Day International Workshop on “English Language Teaching and Literature Current Issue. Trends and Challenges” organized by Department of English, Madurai college.	National	2021-22

				Invited lecture certificate for the talk on Marketing of Agricultural produce to women's of SHG's Goa at Cancona Goa	State	2021-22
				Invited lecture award at International conference on Agricultural Sciences organized at Ela Old Goa.	International	2021-22
				Bharat Shiksha Ratan Award by Social and Welfare Association, New Delhi.	National	2022-23
				21 days International Training cum certificate course on Technology Innovation in Agriculture, Horticulture, Animal Husbandry, Fisheries, Sericulture and Allied Sectors for Sustainable Entrepreneurship.	International	2022-23
Soil Science and Agril. Chemistry	Satish R. Patil	Asst. Prof.	09	GIPARD, Govt. of Goa Sponsored "Issues Relating to Family Welfare"	State	2022
				Blood Donation at MKVP Rajmachi, Karad	State	2020
				Two-day National Workshop for Quality Enhancement in higher Education	National	2018
				Participated in International Conference on Promoting	International	2018

				Entrepreneurship in Goa for Environmental and Cultural Sustainability held at Goa University.		
				Participated in “Agri Start up Fest” held at UAS, Dharwad	National	2017
				Participated in National Conference on “Frontiers in Biopesticides and Biofertilisers” Organised by Department of Microbiology, PES Ponda in collaboration with DHE Govt. of Goa.	National	2019
				Participated in One Day Faculty Development Program on “Participatory Methods in Research and Education” Organised by MIT School of Government, Pune and Govt. College Sanquelim	State	2022
				Organised and participated as resource person on State level seminar cum workshop on “Organic Farming Production Techniques and Kitchen Garden”, at DBCA Sulcorna	State	2020
				Participated in the International Seminar on Medicinal Plants at 9 th World Ayurveda	International	2022

				congress, Goa Sponsored by National Medicinal Plants Board, Ministry of Ayush, Govt. of India.		
Library	Ms. Sulochana XeteDessai	Librarian	16	National level conference on Professionalism in Library and Information services for user Empowerment: Opportunities and Challenges, organised by Department of Library and Information Science, Mangalore.	National	2016-17
				Workshop for Soft skills for Librarians	State	2016-17
				Workshop organised by Xavier centre of Historical research and Thomas Stephen's Konknni Kendra	State	2017-18
				Conference on Knowledge organisation in Academic libraries (I-KOAL) organised by Goa University	International	2017-18
				Workshop on Library Automation with special reference to Bar-coding and Radio frequency identification technology	State	2017-18
				Workshop on e-Granthalaya 4.0 Software for Automation and	State	2018-19

				Networking of Libraries in Goa		
				Workshop on How to write Minor/Major research project, organised by Department of Commerce at Margao, Goa	State	2018- 19
				Workshop on e-resources and digitization of books, organised by Dhempe college of Arts and Science, Miramar Goa	State	2018-19
				Workshop on e-granthalaya software for automation and networking of libraries in Goa held on 15 th to 16 th November 2018 at Krishnadasshama Goa State Central Library, Sanskruti Bhavan Patto Panaji.	State	2018
				State level AISHE Workshop on 22 nd February 2020	State	2020
				Librarian Development Programme (LDP) organized by DHE, Goa from 2 nd to 6 th March 2020	State	2020
				One day workshop on Guide to identify Fake/Predatory/Clo ned Journals in Academics organized by Goa State Higher Education Council on 12 th April 2022	State	2022

				Workshop on Library Software KOHA 2.0 by Directorate of Higher Education on 27 th October to 28 th October 2022.	State	2022
				One Day Workshop on POSH Act for the Internal Committee organized by V.M. Salgaocar College of Law on 1 st November 2022	State	2022
				Two day's workshop on KOHA: Library Management Software organized by Narayan Zantye College of Commerce in association with Directorate of Higher Education on 6 th and 7 th December 2022.	State	2022
				3 days workshop on Dspace Software organized by Dnyanprassarak Mandal's College and Research Centre from 22 nd February 2023 to 24 th February 2023.	State	2023
Animal Science and Dairy Science	Dr. Upasana Ratnakaran	Asst. Prof.	46	Best oral presentation award	International Conference	2021
				Best Thesis Award	International Conference	2021
				Young Women Scientist Award	International Conference	2021
				ICAR Net	National	2016

				POSH Act for Internal Committee	State	2022
				Innovation in Teaching Pedagogy	National	2022
				Advance Statistical Data Analysis Using SPSS	International	2021
				Climate-smart Livestock production in India	National	2020
				Veterinary Homeopathy	National	2016
				Medicinal Plants	International	2022
				Diagnostic Veterinary Pathology	International	2020
				Impact of Zoonotic Diseases on Indian Economy	National	2016
				Frontiers in Theriogenology: Research and Practice	International	2023
				Advances in Agriculture, Engineering and Biotechnology for Food Security	International	2021
				Biodynamic Animal Farming for the Management of livestock Diversity under Changing Global Scenario	National	2017
				Rapporteur: Bovine Gynaecology and Obstetrics (poster)	International	2023
				Practical animal nutrition for augmenting livestock and poultry productivity	National	2023
				Commercial Dairy Farming	National	2023
				Fluid Therapy and Management of Clinical Syndrome	National	2022

				in Cattle and Small Ruminants		
				Management of Infertility in Cattle	National	2021
				Innovative Ideas for Entrepreneurship Development in Livestock Sector	National	2020
				Recent Advances in Veterinary Sciences and Animal Husbandry	National	2023
				Recent Technologies of Livestock Based integrated farming system for doubling farmer's income	National	2022
				Market Oriented Entrepreneurship in Value Added Meat and Poultry Products	National	2021
				Meat Processing Technology	National	2021
				Health and Feed Management of Dairy Animals	National	2021
				Advances in Veterinary Research for Sustainable Development of Livestock Sector	National	2021
				Opportunities and Health Management of small ruminants	National	2021
				Sustainable Goat Production under Changing Climate	National	2021
				Animal Birth Control Surgical Protocols	National	2021
				Advance Diagnostic Techniques in Livestock & Pets	National	2021

				Advances in Diagnosis and Medical Management of farm Animal Diseases	National	2020
				Basics of Electrocardiography in Dogs	National	2020
				Training for Vocational Higher Secondary Students	State	2017,2018,2019
				Current concepts in Dairy Production and Processing	National	2022
				Building Strategies to Engage Students in Virtual classes	National	2021
				Time Series Analysis	National	2021
				117 th Faculty Induction Programme	National	2023
				Opportunities in value Addition to meat		2021
				Food and Agri-Business Startups in India: Current Scenario and Future Perspectives		2021
				Diagnostic, therapeutic and control measures for common diseases of Goats in Rajasthan		2021
				Semen freezing, Artificial insemination and pregnancy diagnosis in goats		2021
				Abortions in Sheep and goat		2021
				ISSAR	National	2021
				Mahima Research Foundation and Social Welfare	National	2021

				Goa State Veterinary Council	State	2023
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6.5.7.4. Employability:

The Goa College of Agriculture, Ela, Old Goa strives to impart skills and train students for self-sustainability. The constant and dedicated efforts of the college on education, research, skills, entrepreneurship, sports and cultural programmes help students for their overall development.

The college has taken keen interest in coaching and guiding the students in competitive examinations by organizing tutorials and talks. The college has appointed a Placement Officer to coordinate between students and industries for recruitment of students. Further to hone the literary skills, the students are motivated to contribute the literature for college magazine.

The Student READY (Rural Entrepreneurship Awareness Development Yojana) programme is a new initiative of Indian Council of Agricultural Research to reorient graduates of Agriculture and allied subjects for ensuring employability and develop entrepreneurs for emerging knowledge intensive agriculture. The college adopted and implemented the student READY programme from 2017-18 as per the guideline of ICAR, New Delhi. The Rural Agriculture Works Experience (RAWE) helps students primarily to understand the rural situations, status of technologies adopted by farmers, prioritize the farmer's problems and to develop skills and attitude to work with farmers for overall development in rural areas. This in turn helps students to develop themselves for better employability.

The Experiential Learning (EL) helps students to develop competence, capability, capacity building, acquire skills, expertise and confidence to start their own enterprise and in turn become "Job Creators instead of Job Seekers".

To have a prolonged experience in developing entrepreneurial skills of students, the college has started "Earn while you Learn" program from first year onwards to get more knowledge on practical and commercial aspects.

The college has signed MOU with FIIRE (Forum for Innovation Incubation Research and Entrepreneurship) for developing entrepreneurship skills and igniting young minds to innovate and convert their innovations in to business models.

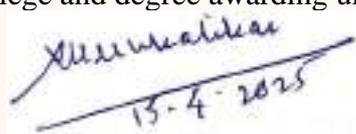
The college has implemented different ELP modules, which create the entrepreneurship skill among students and as a result, many students are coming forward to start their own business in the agriculture field.

6.5.8 SSR of the College must have the SSR of all its Degree Programmes

The Goa College of Agriculture presently has single program B. Sc. (Hons.) Agriculture. The SSR of the said degree programme is attached herewith.

6.5.9. Certificate

I, the Principal of Goa College of Agriculture, Ela, Old Goa hereby certify that the information contained in Sections 6.4 and Section 6.5.1 to 6.5.7.4 is furnished as per the records available in the college and degree awarding university.



Handwritten signature of the Principal, dated 13-4-2025.

Signature of the Principal
Goa College of Agriculture, Ela, Old Goa



**College Activities
Photographs**

Blood Donation Camp



Drone in Agriculture hands on training





Vermicompost training to Women SHG



Self Defence Training for Girl Students



Experiential Learning Module

Mushroom Production



Dairy and Processing in Experiential learning





Jackfruit Processing in Experiential learning



Training to farmers on Honey bee rearing for Honey Production



Sunshine worldwide school students visit Entomology lab



B. Sc. (Agriculture) Students from Agriculture college, Phondaghat, visit Apiculture Unit



Training on Honey bee rearing for honey production



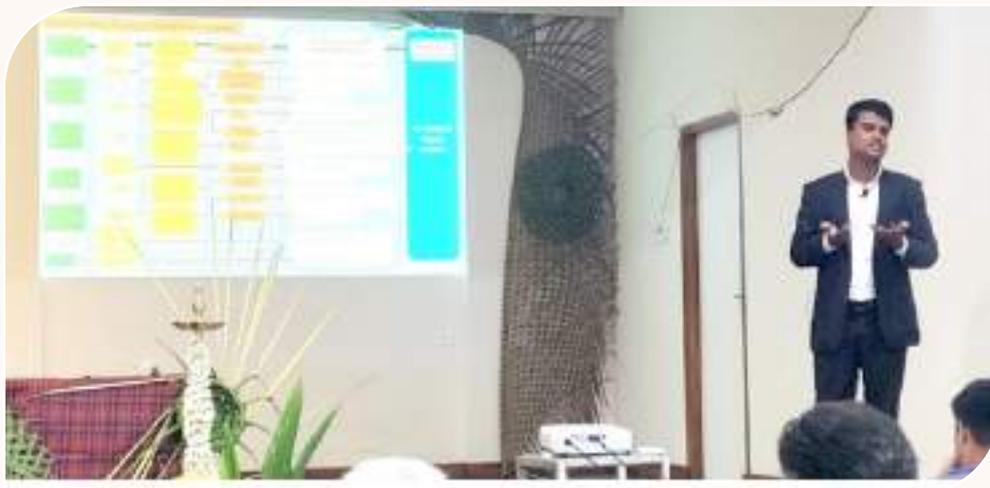


Field crops and Vegetables cultivation





Talk in One District One Product (ODOP) programs



GI Tag, Intellectual Property Rights



Webinars

Hydroponics and Urban Farming

DON BOSCO COLLEGE OF AGRICULTURE
TELECOMUNICACIONES COLLEGE

INTERNATIONAL WEBINAR

OPPORTUNITIES AND ENTREPRENEURSHIP IN HYDROPONICS

 <p>Dr. M. S. Chetti Professor (Veg. Enginering) University of Agricultural Sciences, Gadchiroli, Maharashtra</p> <p>Topic: Introduction to hydroponics</p>	 <p>Mrs. Neera Kurubkar Associate Prof. M. Sc. (Bacteriology)</p> <p>Topic: Hydroponics: Market Farming, system Involvement and Economics</p>
 <p>Dr. Vivek Kulkarni DTP & Training Extension Officer M. Sc. (Horticulture)</p> <p>Topic: Plant nutrition and soil free production systems</p>	 <p>Mr. Shrinivas Sabale Head of Center Hydroponics Initiative Project (United & Tech (Agricultural Engineering))</p> <p>Topic: Hydroponics cultivation of strawberry and Tomato</p>

Date: 15th Apr. 2021, Time: 10.00 am (Duration: 3 hrs)
Join Registration
Webinar platform: D2Webex
Registration: <https://join.gm7prod.slack.com/join/7000000000000000000>

Organizers: Dr Shrinivas Sabale, Dr Prashant Patil, Dr Suresh Kurkalkar

Advances in Red Palm Weevil Research and Management

Don Bosco College of Agriculture
Sukorna, Quepem, Goa, India
(affiliated to Goa University)

International Webinar
**Advances in Red Palm Weevil
Research and Management**

Dr. Chandrika Mishra
KARNATAKA Regional Institute,
Karnapal, Andhra, India
Topic: Advances in RPAW IPM
in Coastal

Dr. Hamed El Shafiq
Zilaq Palik Research Center of
Dindigul, KERALA, India
Topic: Current Challenges of RPAW
Management & Impact of
COVID-19 Pandemic on Global
Date Palm Production

Dr. Anu Anandha Lakshmi
Goa, India
Topic: Emerging Trends in
Interdisciplinary Molecular
Taxonomy/Phylogeny RPAW

Prof. Dr. J. Hemanth Kumar
KACU, Mysuru, South India
Topic: Global Strategy
RPAW with focus on South
America & other G20 Countries

Dr. Miguel Ferrn
Phytoma Research Station
Spain
Topic: Insecter: Characterization of
Populations & Genetic
Diversity for the control of
RPAW

Date: 07th Sep 2020 (Friday Webinar)
Start Time: 3.00 pm (India)
(08.30 am India, 11.00 am India, 02.00 pm India, 05.00 pm India and 08.00 pm India)

Free Registration
Webinar platform: ZOOM Webex
Registration Link: <https://forms.gle/9h19u0m9w070807>

Organizers:
Prof. Rajan Shinde
Ms. Sulekha Jena Dezaol

Prof. Satish Parit
Dr. Shrinivas Sabale



Talk on Processing of coconuts for virgin oil and export



International Collaboration Project



Environment Day celebration/Tree planting programs



Participation in Krishi Mahotsava 2023 by Goa government

Agri Technology



Participation in Sports



**International year of Millet –
Millet Festival, Promotion, Street play**



Participation in Millet Exhibition by Information and Broadcasting Bureau



Dainik Herald
1h

पणजीच्या कदंब बसस्थानकावर सुरु असलेल्या तुणधान्य प्रदर्शनात जुनेगोवे येथील गोवा कृषी महाविद्यालयाच्या विद्यार्थ्यांनी तुणधान्यापासून तयार केल्या जाऊ शकणाऱ्या विविध पदार्थांच्या पाककृती प्रदर्शित केल्या आहेत. केंद्र सरकारच्या बहुमाध्यम सेवाद केंद्राने हे प्रदर्शन आयोजित केले आहे.

#Goa #cereals #Food #recipes #TraditionalFood #Agriculture





Millet cultivation



Paddy cultivation



Cultural activities







Study Tours/Industrial Visits





Industry interaction



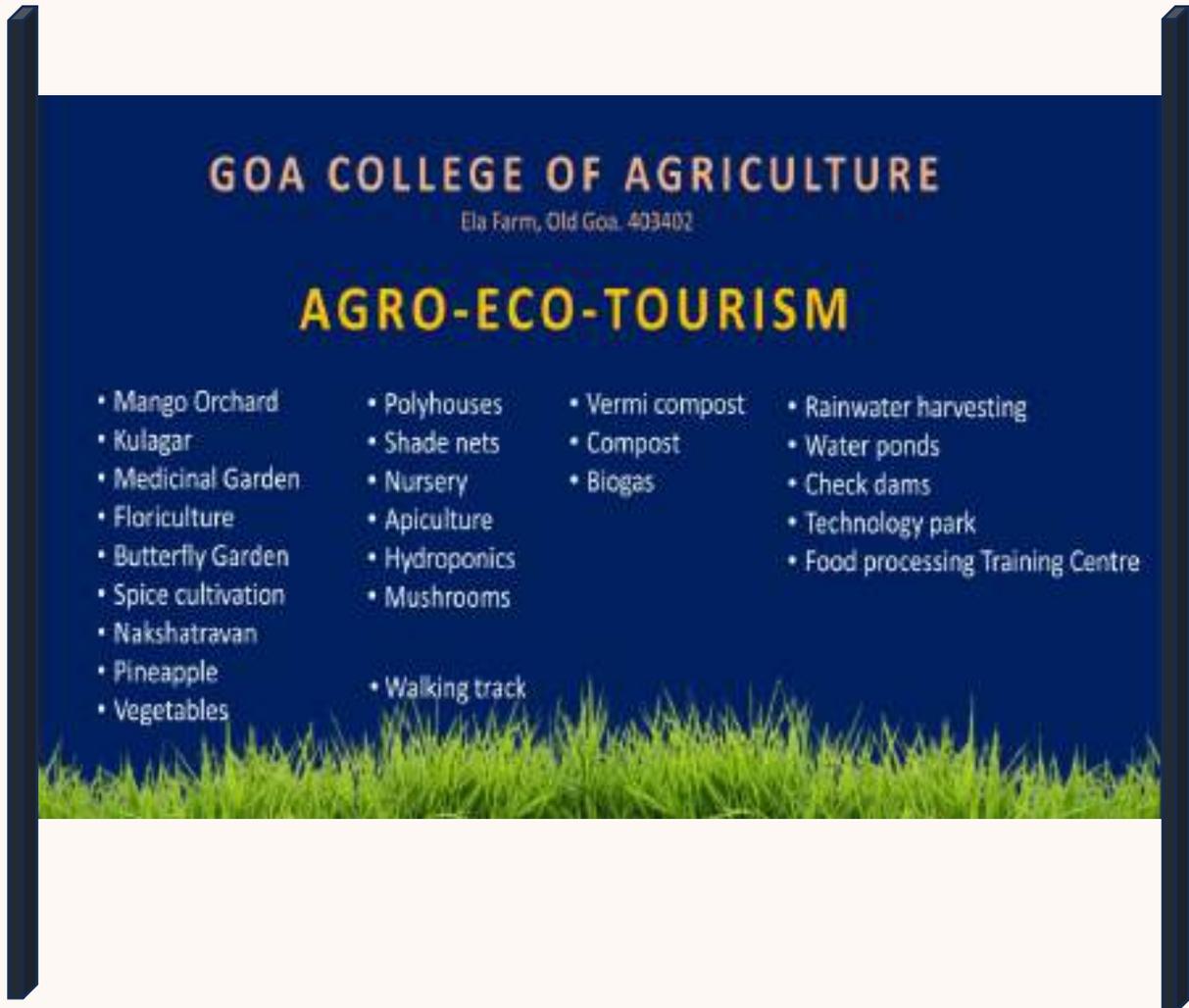
Marigold experimental plot



Industry-Academia project on mushroom waste and Sugarcane and Vegetables cultivation



Agro-Eco-Tourism



College Building

