



# Parvatibai Chowgule College of Arts and Science Autonomous

Accredited by NAAC with Grade 'A' (CGPA Score 3.41 on a 4 Point Scale)  
Best Affiliated College-Goa University Silver Jubilee Year Award



## MINUTES OF THE SEVENTH BOARD OF STUDIES IN ZOOLOGY HELD ON 14<sup>th</sup> MARCH 2020 IN THE CONFERENCE ROOM OF PARVATIBAI CHOWGULE COLLEGE

Vide Parvatibai Chowgule College notice (F.133C /1380 emailed on 02-03-2020 and 11-03-2020) a meeting of the BoS was convened on 14<sup>th</sup> March, 2020 at the Conference hall of Parvatibai Chowgule college of Arts and Science, Margao - Goa. Since the members represented the Quorum, the B.O.S. began its proceedings.

### MEMBERS PRESENT:

- |                                |                                     |
|--------------------------------|-------------------------------------|
| 1. Dr. Nandini Vaz Fernandes:  | Chairperson                         |
| 2. Dr. Manoj Borkar:           | Academic Council Nominee            |
| 3. Prof. I. K. Pai:            | Vice chancellor Nominee             |
| 4. Dr. Philip Mascarenhas:     | Representative from Industry        |
| 5. Ms. Madhu P. Balekai:       | Member secretary                    |
| 6. Ms. Tessa Vaz:              | Member                              |
| 7. Ms. Gautami N Manakikar:    | Member                              |
| 8. Mr. Vrushab Mhapsekar:      | Member                              |
| 9. Mr. Stephen Jonah Dias:     | Member                              |
| 10. Ms. Prasanna Naik Gaonkar: | Member                              |
| 11. Mrs. Priya Kumar:          | Member                              |
| 12. Ms. Nadia Caldeira:        | Special Invitee (PG representative) |

### MEMBERS ABSENT ON INTIMATION:

- |                             |                          |
|-----------------------------|--------------------------|
| 1. Ms. Suzy F. Fernandes :  | Alumnus                  |
| 2. Dr. Sameer S Terdalkar : | Academic Council Nominee |

### PROCEEDINGS:

The chairperson welcomed the members of Board of Studies (BOS), discussed the minutes of previous BOS meeting held on 15<sup>th</sup> and 16<sup>th</sup> of March, 2019. She then explained the agenda for the meeting and the Board transacted the following business:

### AGENDA:

Approval of:

- Revision of UG curriculum
  - SWAYAM Courses
  - Feedback from stakeholders
- PG Diploma Course – Clinical Genetics and Medical laboratory Techniques (PGDCGMLT)
  - Restructuring as Credit courses.
- AOB

## **PART A: RESOLUTIONS:**

### **A) REVISION OF UG CURRICULUM:**

#### **a. SWAYAM COURSES**

As a means of giving opportunities to advanced learners, to obtain more credits, the department identified 'SWAYAM' courses from the UGC website SWAYAM portal, as extra credit courses. In view of this, the following SWAYAM courses were approved as suitable for enriching the knowledge of students of BSc Zoology.

Sr No	Semester	Course Title	Topic	In lieu/ extra credit
1.	II	Genetic and genomics	Entire syllabus	Extra credit
2.	III	Fundamentals of biotechnology	Entire syllabus	Extra credit
3.	IV	Tissue engineering	Entire syllabus	Extra credit
4.	IV	Cell culture technology	Entire syllabus	Extra credit
5.	III/IV-SEC	Municipal waste management	Entire syllabus	Extra credit
6.	VI	Applied Entomology	Entire syllabus	Extra credit
7.	IV	Evolutionary Biology	Entire syllabus	Extra credit
8.	VI	Diet Mangament In Health And Disease	Entire syllabus	Extra credit
9.	VI	Business studies	Module 2	Learning submitted as Process based Portfolio May be considered as one CA (continuous assessment) for ZOO-VI.E-16: Bioentrepreneurship
10	VI	Senior secondary (Business studies)	Module 2	

**Resolution:** After due deliberation and discussion on suggestions received, all the above mentioned SWAYAM courses were approved by the BOS as extra credit courses.

#### **b. FEEDBACK FROM STAKEHOLDERS**

The institution collects feedback on curriculum aspects and courses from different stakeholders such as students, alumni, faculty and employers. Feedback received is analyzed by the department faculty and valuable suggestions given were considered and necessary actions were executed. Based on the feedback of the stakeholders, appropriate collective changes done for past two years were discussed as indicated in the following table. The major changes done were with respect to syllabus instilling subject skills, multiple teaching learning pedagogies, multiple modes of assessments and incorporation of Industry academia lectures and other activities to expand subject domain knowledge and build up soft skills.

	<b>Feedback received</b>	<b>Action Taken</b>
Students/alumni	<ol style="list-style-type: none"><li>1. More field based practicals required.</li><li>2. Skill based courses required.</li><li>3. Include more seminars and workshops</li><li>4. Include courses like: Instrumentation and techniques in molecular biology, marine biology.</li><li>5. Enhanced laboratory facilities required.</li></ol>	<ol style="list-style-type: none"><li>1. More field based activities were introduced in 05 courses:<ol style="list-style-type: none"><li>a. wildlife Monitoring techniques</li><li>b. Fish Preservation</li><li>c. Health and nutrition</li><li>d. Animal Diversity</li><li>e. Ecology</li></ol></li><li>2. Skill Enhancement Course 'Waste management techniques' was introduced (2019) Also introduced Certificate courses :<ol style="list-style-type: none"><li>a. R-studio</li><li>b. Wildlife monitoring techniques</li></ol></li><li>3. Introduced industry-Academia lectures on wildlife, ecotourism and entrepreneurship as Departmental activities (2016).</li><li>4. SWAYAM courses identified (2020).</li><li>5. Laboratory facility enhancement work in progress.</li></ol>
Faculty/Academics	<ol style="list-style-type: none"><li>1. Theory and practical content needs to be reduced.</li><li>2. Application/project based practicals need to be introduced at third year.</li><li>3. No. of Practical to be reduced to 12 from 15 due to continuous evaluations.</li></ol>	<ol style="list-style-type: none"><li>1. Content of syllabus was reduced without compromising on the learning outcome (2017).</li><li>2. More project based practicals were introduced at semester V and VI (2018).</li><li>3. No. of practical were reduced to facilitate process of continuous assessment of practicals (2018)</li></ol>
Employers / Industry sector	<ol style="list-style-type: none"><li>1. Include more skill based courses.</li></ol>	<ol style="list-style-type: none"><li>1. Skill enhancement courses introduced (2019).</li></ol>

**Resolution:** Appropriate action taken to incorporate valuable suggestions received from students, academicians and employers was appreciated. Strengthening laboratory facilities further, to cater to larger groups of students needs to be looked into.

**AOB:**

**1) Reply from DHE for NOC for MSc Zoology:**

The chairperson discussed with the BOS members the reply received from Directorate of Higher Education (DHE), as regards the NOC sought by the institution for starting Masters in Zoology.

College had followed all protocols of initiating new course as per the provisions of the Goa University Statutes SC-15. The syllabus of the course conforms to the standards of PG courses as having 80 Credits including Dissertation work. Due protocol of approving the syllabus from BOS and academic council and governing body was taken. Letter asking for NOC from DHE was thereafter corresponded.

Single line response received from DHE stating "Regret to inform you that your request is not considered", was placed before the BOS.

**Resolution:** VC nominee and Academic Council nominee of the BOS, urged the need to seek proper justification from DHE and requested that the matter be pursued further, considering the high demand for PG admissions for Zoology in Goa.

**PART B:**

**Resolutions/recommendations of B.O.S that require consideration/approval of Academic Council.**

**1. Revision of UG**

- a. **SWAYAM COURSES:** After due deliberation and discussion on suggestions received from stakeholders, all the above mentioned SWAYAM courses were approved by the BOS as extra credit courses.

Sr No	Semester	Course Title	Topic	In lieu/ extra credit
1	II	Genetic and genomics	Entire syllabus	Extra credit
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**b. FEEDBACK FROM STAKEHOLDERS**

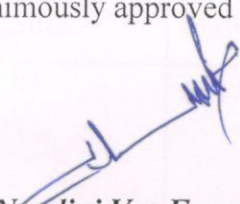
Appropriate action taken to incorporate valuable suggestions received from students, academicians and employers was appreciated. The major changes done were with respect to syllabus instilling subject skills, multiple teaching learning pedagogies, multiple modes of assessments and incorporation of Industry academia lectures and other activities to expand subject domain knowledge and build up soft skills. Strengthening laboratory facilities further, to cater to larger groups of students needs to be looked into.

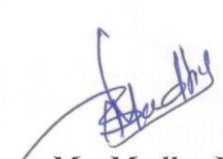
**c. AOB:**

***Reply from DHE for NOC for MSc Zoology:***

In view of the single line response received from DHE stating "Regret to inform you that your request is not considered", VC nominee and Academic Council nominee of the BOS, urged the need to seek proper justification from DHE and requested that the matter be pursued further, considering high demand for PG admissions for Zoology in Goa.

The foregoing minutes of the meeting were e-mailed by the Chairman after the meeting and were unanimously approved by all the members present.

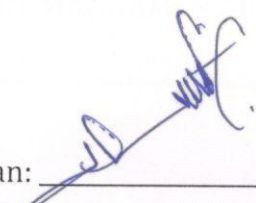
  
**Dr. Nandini Vaz Fernandes**  
Chairman B.O.S.

  
**Ms. Madhu Balekai**  
Member Secretary

Date: 20<sup>th</sup> March 2020.

**PART C : The remarks of the Dean of the Faculty :**

- The minutes are in order:
- The minutes may be placed before the Academic Council with remark, if any.
- Important points of the minutes which need clear policy decision of the Academic Council to be recorded.

Signature of the Dean: 

Date : 20/03/20