



# 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 FIFTH BOARD OF STUDIES IN ZOOLOGY

HELD ON 15<sup>th</sup> and 16<sup>th</sup> March, 2019

### IN THE GENETIC LAB OF CHOWGULE COLLEGE

Vide Parvatibai Chowgule College notice (F.133(C) /2031 dated 6<sup>th</sup> March 2019) a meeting of the BoS was convened on 15<sup>th</sup> and 16<sup>th</sup> March, 2019 at the Genetic lab 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. Dr. I. K. Pai: Expert nominated by Vice chancellor
4. Ms. Andrea D'souza: Member secretary
5. Ms. Madhu P. Balekai: Member
6. Ms. Tessa Vaz: Member
7. Ms. Gautami Manakikar: Member
8. Ms. Stephen Dias: Member
9. Ms. Ruella Dias: Member
10. Mr. Anand Jadhav: Special Invitee (Assistant Conservator of Forest and Sub Divisional Forest officer, South Goa).

#### MEMBERS ABSENT WITH INTIMATION:

1. Dr. Philip Mascarenhas : Allied Area Representative
2. Ms. Suzy F. Fernandes : Alumnus
3. Dr. Sameer Terdalkar : Academic Council Nominee.

#### Proceedings

The Chairperson welcomed the members of Board of Studies (BoS), explained the agenda for the meeting and the Board transacted the following business

#### AGENDA:

##### Approval of:

- a. POs, PSOs and COs.
- b. Revised Course Structure
- c. Revised UG courses
  - Skill enhancement courses (SEC)
  - Generic electives (GE)
- e. List of examiners
- f. PG course structure and Syllabus
- g. AOB

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

1. **POs, PSOs and COs:** Programme Outcomes (POs), Programme Specific Outcomes (PSOs), and Course Outcomes (COs) of the undergraduate courses.

2. **Revised Course Structure:** In view of the introduction of 'Skill Enhancement courses' and 'Generic elective'.

**3. Revised UG courses:**

Semester	Course Code	Title of the courses	Changes suggested and accepted
Semester I	ZOO-I.C-2	Cell and Molecular Biology	The students of Zoology department can also opt for the course BOT-I.C-2 Cell Biology & Biomolecules, in Lieu of this course
Semester III and VI	ZOO-III-E-04 / *ZOO-III-SE-1	Waste management techniques	Course 'Waste management techniques' approved as Skill enhancement course at both semesters (New course).
Semester VI	ZOO-VI.E-13 / *ZOO-VI-GE-1	Health and Nutrition	Approved as 4 credit theory course to be offered as Generic elective for students of other disciplines. This course will be 'subject elective course (ZOO-VI.E-13)' for Zoology students.
	ZOO-VI.E-16 / *ZOO-VI-SE-2	Bio Entrepreneurship	Approved as 4 credit course, with theory and practice based component to serve as Skill enhancement elective course to students of other disciplines and subject elective for Zoology students.
SECs for Zoology Students to be opted from other disciplines		Following Courses approved as Skill enhancement elective course for students of Zoology department: 1) 'Waste management techniques. 2) Horticulture, Floriculture and Landscaping. 3) Food and fermentation technology	

4. **List of examiners:** Revised List of examiners.

### 5. PG course structure (MSc Zoology):


Semester	Core Course (4 credit each)	Elective courses (4 credit each)	Generic Elective / Foundation Courses (4 credit each)	Total Credits
Semester 1	Core 1	Discipline specific Elective - 1	Generic Elective - 1	20
	Core 2	--	--	
	Core - Pr - 3	--	--	
Semester 2	Core 4	Discipline specific Elective -2	--	28
	Core 5	Discipline specific Elective -3	--	
	Core 6	Discipline specific Elective -4	--	
	Core - Pr - 7	--	--	
Semester 3	Core 8	Discipline specific Elective - 5	Generic Elective - 2	20
	Core 9	--	--	
	Core - Pr - 10	--	--	
Semester 4		Dissertation -6		12
<b>Total Credits</b>				<b>80</b>

6. PG course Syllabus (MSc Zoology): Postgraduate courses syllabus for MSc Zoology was presented and discussed at the meeting. Suggested changes were incorporated and the B.O.S. resolved to pass the syllabi for the following postgraduate courses for Masters of Science in Zoology:

<b>CORE COURSES FOR MSC ZOOLOGY</b>			
Course Code	Course Type	Course Name	Credits
MZOO-C-1	Core theory	Techniques in biological Research	4
MZOO-C-2	Core theory	Computational Biology	4
MZOO-CPR-3	Core theory	Practical-MZOO-1	4
MZOO-C-4	Core theory	Scientific Methods in Conservation Biology	4
MZOO-C-5	Core theory	Advanced Biochemistry	4
MZOO-C-6	Core theory	Transgenic Animal Technology	4
MZOO-CPR-7	Core Practical	Practical-MZOO-2	4
<b>ELECTIVE COURSES FOR MSC ZOOLOGY</b>			
MZOO-E-1	Elective	Wildlife Behavior	4
MZOO-E-2	Elective	Applied and Population Genetics	4
MZOO-E-3	Elective	Avian Biology	4
MZOO-E-4	Elective	Evolutionary Biology	4
MZOO-E-5	Elective	Ecotourism	4
MZOO-E-6	Elective	Reproductive Biology and Technologies	4

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.

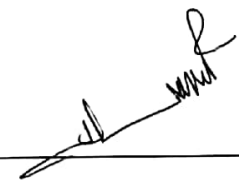
  
*Ms. Andrea D'Souza*  
Member Secretary

  
*Ms. Madhu Balekai*  
Member

Date: 10<sup>th</sup> April 2019

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

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

Signature of the Dean: 

Date : 10/04/19