Chowgule Education Society's
Parvatibai Chowgule College of Arts and Science
(Autonomous)
Accredited by NAAC with Grade 'A+'
Best Affiliated College-Goa University Silver Jubilee Year Award

MINUTES OF THE 13th MEETING OF BOARD OF STUDIES IN ZOOLOGY HELD ON 09TH OCTOBER, 2023 AT ZOOLOGY LABORATORY (A202)

Vide Parvatibai Chowgule College of Arts and Science (Autonomous) notice (F.133C/776) dated 27/09/2023 a meeting of the BoS was convened on 09th October, 2023 at 10:00 am in hybrid mode (online/offline) at Zoology Laboratory (A202), Parvatibai Chowgule College of Arts and Science (Autonomous), Margao. Since the members represented the Quorum, the BoS began its proceedings.

MEMBERS PRESENT

1. Ms. Mithali Halarnkar, *Chairperson (In lieu of HOD)*
2. Former Prof. Dr. I. K. Pai, *Academic Council Nominee*
3. Dr. Sameer S. Terdalkar, *Academic Council Nominee (online)*
4. Former Prof. Shyama Soorambail Keshava, *Vice Chancellor Nominee (online)*
5. Ms. Karen Braganza, *Alumnus*
6. Ms. Filomena Pereira, *Member secretary*
7. Ms. Shalma Mascarenhas, *Member*
8. Ms. Anthea Kirsteen Baracho, *Member*
9. Ms. Tessa Vaz, *Member*
10. Ms. Neeha Sinai Borkar, *Member*
11. Ms. Regina V. Fernandes, *Member*

MEMBERS ABSENT (on Intimation)

1. Prof. Dr. Nandini Vaz Fernandes, *Chairperson (on CCL)*
2. Dr. Philip Mascarenhas, *Industry Representative*

PROCEEDINGS:

At the onset, the chairperson Ms. Mithali Halarnkar welcomed the members of Board of Studies (BoS) for the 13th BoS meeting. Members, Ms. Anthea Kirsteen Baracho, Ms. Tessa Vaz and Ms. Neeha Sinai Borkar were inducted as the new BoS members. Member Secretary, Ms. Filomena Pereira discussed the minutes of the 12th BoS meeting held on 21st April, 2023 at 10:00 am via hybrid mode and the minutes were approved. The meet continued taking up the following agendas:

AGENDA:

1. To approve the UG Syllabi for Semester III and IV under NEP 2020
2. To approve the Multidisciplinary, Skill Enhancement, Vocational Education & Training Syllabus under NEP 2020.
3. Revision of the curriculum of the PGDCGMLT, Clinical Biochemistry II practical component.
4. Any Other Business (A.O.B.)

P.O. Fatorda, Gogol-Margao, Goa 403602, Phone:0832-2722222, Fax: 0832 2759067, Email: principal@chowgules.ac.in

PART A: RESOLUTIONS

1. **TO APPROVE THE UG SYLLABI FOR SEMESTER III & IV UNDER NEP 2020**

A. Major Core Courses (02) for Semester III

Major courses proposed for Semester III were "Fundamentals of Animal and Human Genetics" with course code "UG-ZOO-201" and "Biochemistry and Metabolic Regulation" with course code "UG-ZOO-202" respectively. The major core courses are four credit courses. The theory and practical syllabi were explained in detail by the Chairman to the BoS members and asked for suggestions on the same.

Resolution: The proposed syllabi for the 02 major core courses was approved by the BoS members.

B. Major Core Courses (04) for Semester IV

Major courses proposed for Semester IV were "Endocrinology & Assisted Reproductive Technologies" with course code "UG-ZOO-204", "Basic Microbiology and Fundamentals of Animal Biotechnology" with course code "UG-ZOO-205", "Immunology" with course code "UG-ZOO-206" and "Aquaculture, Fish Preservation and fish processing with course code "UG-ZOO-207". The theory and practical syllabi were explained in detail by the Chairman to the BoS members. Chairperson asked for suggestions to the BoS members on the same.

Suggestions received: BoS members suggested to replace "Diagnosis of Pregnancy by ELISA Test" from the practical component of the course "UG-ZOO-206: Immunology" as it is repetitive in nature and add "Serological tests involving precipitations ".

To change the Course Title of a major core course for Semester IV "Aquaculture, Fish Preservation and fish processing with course code "UG-ZOO-207" to "Fish farming and Preservation Techniques". Reason for changing the title was the repetitive nature of course titles in the course structure.

Resolution: After due deliberation and incorporation of the changes suggested, the proposed syllabus for the four major courses was approved by the BoS members.

C. Minor Core Courses (01)

Chairperson, Ms. Mithali Halarnkar proposed the minor core course "Inheritance Pattern of Genetic Traits and Diseases" with course code "UG-ZOO-203" for Semester III. The minor core course was of four credit and comparatively simple to the major core course. The theory and practical syllabi were explained in detail by the Chairman to the BoS members. Chairperson asked for suggestions to the BoS members on the same.

Resolution: After due discussion, the proposed syllabus for the minor course was approved by the BoS members.

2. **TO APPROVE THE MULTIDISCIPLINARY (MDC), SKILL ENHANCEMENT, VOCATIONAL EDUCATION & TRAINING SYLLABUS UNDER NEP 2020**

A. Multidisciplinary courses (01)

An MDC of three credits proposed was, "Aquarium Maintenance: Freshwater and Marine Fishes" with Course code "UG-ZOO-MDC 3" for Semester III. The objective to propose this course was to give a general insight to steps involved in maintenance of an aquarium, diseases in ornamental fishes and develop entrepreneurial skills in ornamental fish keeping. The theory and practical syllabi were explained in detail by the Chairman to the BoS members. Chairperson asked for suggestions to the BoS members on the same.

Suggestion received: Add anemone fish to unit 06 of module 02 in place of anemone. References to be corrected and written in APA format to maintain uniformity.

Resolution: After incorporation of the suggestions received the proposed syllabi of UG-ZOO-MDC3-Aquarium Maintenance: Freshwater and Marine Fishes was approved by the BoS members.

B. Skill Enhancement Courses SEC (01)

One SEC of three credits proposed was "Biological Data Analysis" with Course code "UG-ZOO-SEC3" for Semester III.

Suggestion received: Title of unit 06 to be changed to Testing of Hypothesis.

Resolution: After incorporation of the suggestions received the proposed syllabi of "UG-ZOO-SEC 3-Biological Data Analysis" was approved by the BoS members.

C. Vocational Educational & Training Course (01)

One vocational education and training course of 04 credits was proposed according to the NEP 2020 guidelines. The course was "Aquaculture and Fisheries" with course code "UG-ZOO-VOC1". The theory and practical syllabi were explained in detail by the Chairman to the BoS members. Chairperson asked for suggestions to the BoS members on the same.

Resolution: The proposed syllabi of "UG-ZOO-VOC1-Aquaculture and Fisheries" was approved by the BoS members.

3. REVISION OF THE CURRICULUM OF THE PGDCGMLT, CLINICAL BIOCHEMISTRY II PRACTICAL COMPONENT

The theory and practical syllabi of the Discipline Specific Course "Clinical Biochemistry II" was put forth before the BoS members. It was highlighted that as a revision, an addition of two practicals "Cardiac function test" and "Case studies: Diabetic profile, Lipid profile, Gastric disorders, Pancreas disorders, Cardiac disorders, Liver disorder, Thyroid disorders and kidney disorders" was done.

Suggestions received: References to be corrected and written in APA style to maintain uniformity

Resolution: The proposed revision of the practical component of the course "Clinical Biochemistry II" with course code "PGDP-CGMLT-DSC-402" was approved by the BoS members.

4. Any Other Business (A.O.B.)

Addition of practical assessments for 06 contact hours to be added in the practical component of all the courses. Also, PA to be elaborated as Practical Assessment in all the courses.

PART B:

RESOLUTIONS/RECOMMENDATIONS OF BoS THAT REQUIRE CONSIDERATION / APPROVAL OF ACADEMIC COUNCIL

1. **TO APPROVE THE UG SYLLABI FOR SEMESTER III and IV UNDER NEP 2020**

A. Major Core Courses (02) for Semester III

To seek approval for the courses "UG-ZOO-201: Fundamentals of Animal and Human Genetics" and "UG-ZOO-202: Biochemistry and Metabolic Regulation" (Annexure A).

Resolution by BoS members: The proposed syllabi for UG-ZOO-201: Fundamentals of Animal and Human Genetics and UG-ZOO-202: Biochemistry and Metabolic Regulation as major core courses was approved by the BoS members.

B. Major Core Courses (04) for Semester IV

To seek approval for the change in the title of the course "UG-ZOO-207: Aquaculture, Fish Preservation and Fish Processing" to "Fish farming and Preservation Techniques" (Annexure I).

Further to also seek approval for the courses "UG-ZOO-204: Endocrinology and Assisted Reproductive Technologies", "UG-ZOO-205: Basic Microbiology and Fundamentals of Animal Biotechnology" and "UG-ZOO-206: Immunology (Annexure A).

Resolution by BoS members: After due deliberation and incorporation of the changes suggested, the proposed syllabus for the four major courses was approved by the BoS members.

C. Minor Core Courses (01)

To seek approval for the course "UG-ZOO-203: Inheritance Pattern of Genetic Traits and Diseases" (Annexure A).

Resolution by BoS members: After due discussion, the proposed syllabus for the minor course "UG-ZOO-203: Inheritance Pattern of Genetic Traits and Diseases" was approved by the BoS members.

2. **TO APPROVE THE MULTIDISCIPLINARY, SKILL ENHANCEMENT, VOCATIONAL EDUCATION & TRAINING SYLLABUS UNDER NEP 2020**

A. Multidisciplinary courses (01)

To seek approval for the course "UG-ZOO-MDC 3: Aquarium Maintenance: Freshwater and Marine Fishes" (Annexure A).

Resolution by the BoS members: After incorporation of the suggestions received the proposed syllabi of "UG-ZOO-MDC 3-Aquarium Maintenance: Freshwater and Marine Fishes" was approved by the BoS members.

B. Skill Enhancement Courses (01)

To seek approval for the course "UG-ZOO-SEC3: Biological Data Analysis" (Annexure A).

Resolution by the BoS members: After incorporation of the suggestions received the proposed syllabi of "UG-ZOO-SEC 3-Biological Data Analysis" was approved by the BoS members.

C. Vocational Educational & Training Course (01)

To seek approval for the course "UG-ZOO-VOC1: Aquaculture and Fisheries" (Annexure A).

Resolution by the BoS members: The proposed syllabi of "UG-ZOO-VOC1-Aquaculture and Fisheries" was approved by the BoS members.

3. **REVISION OF THE CURRICULUM OF THE PGDCGMLT, CLINICAL BIOCHEMISTRY II PRACTICAL COMPONENT**

To seek approval for the revised syllabus of the course "PGDP-CGMLT-DSC-402: Clinical Biochemistry II": As a revision, an addition of two practicals "Cardiac function test" and "Case studies: Diabetic profile, Lipid profile, Gastric disorders, Pancreas disorders, Cardiac disorders, Liver disorder, Thyroid disorders and kidney disorders" was done (Annexure B).

Resolution by BoS members: The proposed revision of the practical component of the course "Clinical Biochemistry II" with course code "PGDP-CGMLT-DSC-402" was approved by the BoS members.

The Chairman thanked the members of the Board of Studies in Zoology for their valuable contribution and active participation in the meeting.

The following members of the Board of Studies in Zoology were present for the meeting.

1. Ms. Mithali Halarnkar, Chairperson (In lieu of HOD)
2. Former Prof. Dr. I. K. Pai, Academic Council Nominee
3. Dr. Sameer S. Terdalkar, Academic Council Nominee (online)
4. Former Prof. Shyama Soorambail Keshava, Vice Chancellor Nominee (online)
5. Ms. Karen Braganza, Alumnus
6. Ms. Filomena Pereira, Member secretary
7. Ms. Shalma Mascarenhas, Member
8. Ms. Anthea Kirsteen Baracho, Member
9. Ms. Tessa Vaz, Member
10. Ms. Neeha Sinai Borkar, Member
11. Ms. Regina V. Fernandes, Member

Members absent with intimation

1. Prof. Dr. Nandini Vaz Fernandes, *Chairperson (on CCL)*
2. Dr. Philip Mascarenhas, *Industry Representative*

Ms. Mithali Halrankar
(Chairperson BoS, *In Lieu of HOD*)

Ms. Filomena Pereira
(Member secretary)

Date: 14th October, 2023

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 decision of the academiccouncil to be recorded.

Signature of the Academic Dean: _____
Dr. Meghana Devli

Date: 16th October, 2023

PART D:

The remarks of the Member Secretary of the Academic Council

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 decision of the academic council to be recorded.

Date: 19/10/23

Signature of the Member Secretary of Academic Council: _____
Mr. V.C. Kumaresh