



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 Eighth meeting of the Board of Studies in Biotechnology held through

Google meet on 22nd January, 2022 at 10:30 am

Vide Chowgule College notice (dated 05th January 2022) Eighth meeting of the BoS was convened on 22nd January, 2022 at 10:30 am through Google meet link: meet.google.com/jzc-eemm-khv. Since the number of members present represented the Quorum, the BoS began its proceedings.

Minutes are presented in the format.

Members present:

1. Dr. Starlaine Mascarenhas – Chairperson
2. Prof. Srikanth Mutnuri – VC Nominee
3. Prof. Meenal Kowshik – AC Nominee
4. Dr. Flory Pereira – AC Nominee
5. Dr. Tamal Raha – Industrial Representative
6. Ms. Inoska Mendes – Alumni
7. Ms. Madhavi M. Motankar – Member Secretary
8. Dr. R. Kanchana – Member
9. Ms. Hashma Mujawar – Member
10. Ms. Marissa Coelho – Member

Proceedings

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

Agenda Items:

1. Introduction of the newly appointed BoS members
2. Overview of the department and teaching-learning evaluation methods implemented
3. Approval of internship hours from the In-house start-up
4. Any Other Business (A.O.B.)

PART A: Resolutions

The meeting began with introducing the agenda for approval of internship hours from the in-house start-up for the B.Sc. Biotechnology programme.

1. A discussion was held on the same and they expressed appreciation and approved the "Work execution statement for internship programme with Mushroom Connect" with replacement of 'Activity 1: Mushroom Tissue culture and sub-culturing' with 'Activity 1: Mushroom Tissue culture and spawn production' and 'Activity 4: Spawn production' was replaced by 'Activity 4: Entrepreneurship development' as 'Entrepreneurship' and 'Post-harvest handling' is important as it has been prescribed by Ministry of Education which shall encourage self-employment skills amongst the interns.
2. In addition, the BoS members approved of the 'Biotechnology Course Structure with Revised Course codes from 2014 onwards'

PART B: Resolutions/Recommendations of BoS that require consideration / approval of Academic Council:

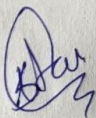
The minutes of the meeting and "Work execution statement for internship programme with Mushroom Connect" along with the 'Biotechnology Course Structure with Revised Course codes from 2014 on wards' document for the B.Sc. Biotechnology programme has been approved by all the BoS members and now it's been placed before the Academic Council for approval. Also, the BoS members have approved of the students undertaking Internships from the In-house start-up which is been placed before the Academic Council for approval.

The Chairperson thanked the members of Board of Studies in Biotechnology for their valuable contributions and suggestions. The meeting ended at 11:15am on 22nd January 2022.

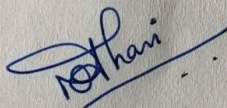
The following members were present for the BoS meeting;

1. Dr. Starlaine Mascarenhas – Chairperson
2. Prof. Srikanth Mutnuri – VC Nominee
3. Prof. Meenal Kowshik – AC Nominee
4. Dr. Flory Pereira – AC Nominee
5. Dr. Tamal Raha – Industrial Representative
6. Ms. Inoska Mendes – Alumni
7. Ms. Madhavi M. Motankar – Member Secretary
8. Dr. R. Kanchana – Member
9. Ms. Hashma Mujawar – Member
10. Ms. Marissa Coelho – Member

Date: 22nd January 2022



Dr. Starlaine Mascarenhas
(Chairperson)

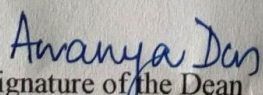


Ms. Madhavi M. Motankar
(Member Secretary)

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

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

Date: 25/01/2022



Signature of the Dean
(Faculty of Science)

COURSE STRUCTURE FOR B.Sc BIOTECHNOLOGY PROGRAMME

SEMESTER	CORE		ELECTIVE			
I	BIO-IC-1 Biomolecules	BIO-IC-2 Cell Biology	-----	-----	-----	-----
II	BIO-IIC-3 Fundamental Genetics	BIO-IIC-4 Basic Microbiology	-----	-----	-----	-----
III	BIO-IIIC-5 Molecular Biology		BIO-IIIE-1 Basics of Plant and Animal Sciences	BIO-IIIE-2 Metabolism of Biomolecules	BIO-IIIE-3 Biostatistics	BIO-IIIE-4 Enzymology
IV	BIO-IV.C-6 Immunology		BIO-IV.E-5 Plant and Animal Physiology	BIO-IV.E-6 Tools & Techniques in Biotechnology	BIO-IV.E-7 Evolution and Anthropology	BIO-IV.E-8 Molecular genetics
V	BIO-V.C-7 Concepts in Genetic Engineering		BIO-V.E-9 Molecular medicine	BIO-V.E-10 Environmental Biotechnology	BIO-V.E-11 Plant Biotechnology	BIO-V.E-12 Bioinformatics
VI	BIO-VLC-8 Industrial Biotechnology		BIO-VLE-13 Bioethics and Biosafety	BIO-VLE-14 Advanced Cell Biology	BIO-VLE-15 Food Biotechnology	BIO-VLE-16 Animal Cell Culture

- **Generic Elective Course** :Mushroom Cultivation and Vermicomposting
- **Skill Enhancement course**: Food and Fermentation Technology

**Work Execution Statement for Internship Programme with
‘Mushroom Connect’**

Duration: 120 hours

Sr No.	Particulars	Hours
1.	Activity 1: Mushroom Tissue culture and spawn production	15 hours
2.	Activity 2: Research and Development	30 hours
3.	Activity 3: Grow-at-home kits production	30 hours
4.	Activity 4: Entrepreneurship development	30 hours
5.	Report writing	15 hours