



## DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE

(Autonomous – Affiliated to the University to Madras )  
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### Board of studies– Microbiology for the academic year 2022 - 2023

#### Minutes of the meeting

Meeting Mode: Online

Google Meet Link: <https://meet.google.com/pza-enva-aby?pli=1>

Date & Time: 12/05/2022 & 2 PM

The meeting of the board of studies – Microbiology, for the academic year 2022 - 2023 was held on 12/05/2022 at 2.00 pm through online mode – Gmeet

The following members were present:

1.	Dr. P.Vidya, Head of the Department	Chairman
2.	Dr. S. Jagadeeswari, Assistant Professor	Senior Member
3.	Dr. D. Prabu MSc., PhD., Assistant Professor, Department of Microbiology, Dr.ALM PG IBMS, University of Madras	Vice Chancellor's Nominee
4.	Dr. Anand Anbarasu M.Sc., M.Tech., Ph.D. Professor, Department of Biotechnology, VIT University	Subject Experts
5.	Dr. S. Vijayanand M.Sc., M.Phil., Ph.D. Assistant Professor, Department of Biotechnology, Thiruvalluvar University	
6.	Dr. Prabhu Daivasigamani M.Sc., Ph.D. CEO, Diligence Bio (P) Ltd	Industrial Expert
7.	Dr. C. R. Hemalatha MSc., Ph.D., Senior Lecturer , Sri Ramachandra Faculty of Engineering and Technology, Sri Ramachandra Institute of Higher Education and Research.	Meritorious Alumnus Nominated by the Principal
8.	Dr. B. Kirthiga M.Sc., M.Phil., Ph.D. Assistant Professor	Internal Members
9.	Dr. M. Abirami M.Sc., M.Phil., Ph.D. Assistant Professor	
10.	Dr. V. Rajalakshmi M.Sc., Ph.D., PDF. Assistant Professor	

At the outset Dr. P. Vidya, Chair person, BOS of Department of Microbiology, Dwaraka Doss Goverdhan Doss Vaishnav College welcomed and introduced the External members of the Board of Studies for AY 2022-2023 and thanked each of them for sparing their valuable time to attend the meeting.


1. The board discussed the matters as per agenda
2. Welcome address and opening remarks by Chairman, Board of studies in the Department of Microbiology.

The Chairman, BOS of the Microbiology Department welcomed and introduced the internal members to experts Board of Studies.

3. **Confirmation of the Minutes of the meeting of Board of studies in the Department of Microbiology held on 05/05/2021** through online mode. The comments received have been incorporated and placed for confirmation. The same was approved by the Academic council.

4. **Business brought forward by the Chairman, Board of studies**

**M.Sc., APPLIED MICROBIOLOGY External and Internal 50: 50**

 **TO CONFIRM AND APPROVE Common question paper pattern for ESE and CIA with revised Blooms Taxonomy**

**CIA Question paper pattern (K level) for PG**

For CIA 1 – CO1, CO2 ; For CIA 2 - CO3, CO4 3rd component – generic skill CO5

Section A: 1 X 10 = 10 (K1 & K2 level Qstns)

Section B (K3, K4 level questions) 4 X 5 = 20

11. K3 (internal choice)

12. K3 (internal choice)

13. k4 (internal choice)

14. k4 (internal choice)

Section C (K5, K6 level questions) 2 X 10 = 20

15. 1 unit compulsory qstn (K6 level)

16. 1 with internal choice (K5 level)

Section	Q nO	K level	K level Reference	CO	Mark s Allotted	Total Mark K1	Total MarkK 2	Total Mark K3	Total Mark K4	Total Mark K5	Total Mark K6	Total MarkCO O1	Total Mark CO2	Total Mark CO3	Total Mark CO4	Total MarkCO 5	
A	1	K1	Remembering	CO1	2												
A	2	K2	Understanding	CO1	2							2x2=4	2x2=4	2x2=4	2x2=4	2x2=4	
A	3	K1	Remembering	CO2	2												
A	4	K2	Understanding	CO2	2	2x5=10	2x5=10										
A	5	K1	Remembering	CO3	2												
A	6	K2	Understanding	CO3	2												
A	7	K1	Remembering	CO4	2												
A	8	K2	Understanding	CO4	2												
A	9	K1	Remembering	CO5	2												
A	10	K2	Understanding	CO5	2												
B	11a	K3	Applying	CO1	7												
B	11b	K3	Applying	CO1	7			2x7=14	1x7=7	2x7=14		1x7=7	1x7=7	1x7=7	1x7=7	1x7=7	
B	12a	K3	Applying	CO2	7												
B	12b	K3	Applying	CO2	7												
B	13a	K4	Analysing	CO3	7												
B	13b	K4	Analysing	CO3	7												
B	14a	K5	Evaluating	CO4	7												
B	14b	K5	Evaluating	CO4	7												
B	15a	K5	Evaluating	CO5	7												
B	15b	K5	Evaluating	CO5	7												
C	16	K6	Creating	CO1	15				1x15=15	1x15=15	1x15=15	1x15=15	1x15=15	1x15=15			
C	17a	K4	Analysing	CO2	15												
C	17b	K4	Analysing	CO3	15												
C	18a	K5	Evaluating	CO4	15												
C	18b	K5	Evaluating	CO5	15												
<b>Note: Question NO 16 can be related to any CO depending upon the importance of each CO.</b>																	
						10	10	14	22	29	15	26	26	26	11	11	100

**TO CONFIRM AND APPROVE Methodology to be employed for Generic skills**

- third component, Internal evaluation (10 marks) to be conducted from CO 5.

- ✓ RESOLVED TO APPROVE methodology to be employed for Generic skills, the third component of internal evaluation will include review article writing, minor project in groups, case studies to enhance the critical thinking and problem solving skills.

**TO COLLECT FEEDBACK** from students, Alumni, Subject experts, Academicians for the improvement of curriculum and necessary changes to be implemented.

- ✓ Discussed the restructured syllabus feedback collected from Subject Experts, students, Industrial experts, Faculty from other colleges and Alumni with Board members. The board appreciated the steps taken to improve the standards.

**TO CONFIRM AND APPROVE Conduct of Practical examinations** in the same semester or at the end of the academic year

- ✓ The board discussed about the difficulty in conducting the practical examination during the same semester and recommended to conduct the practical examination at the end of the academic year. As per the guidelines framed by University of Madras.

**TO EXTEND DURATION FOR FIELD WORK/PROJECT/INTERNSHIP**

- ✓ APPROVED to extend the duration of Fieldwork based projects/ laboratory **PROJECT/INTERNSHIP** for minimum of 21 days to 30 days during the first and second year

**TO CONFIRM AND APPROVE EXTRA CREDITS** to value added certificate courses

- ✓ RESOLVED TO APPROVE the existing value added courses / certificate courses on Bioenergy, Herbal Technology and Biomedical, industrial and solid waste management be continued with 2 credits and the same to be appeared in the statement of marks

**TO CATEGORIZE THE EXISTING ELECTIVES**

- ✓ Approved to categorize the Existing electives into 3 frames as skill based courses, Employability and entrepreneurship based courses.

Semester I:

- ✓ Skill based Elective: Bioinformatics (I-A) / Cell Biology (I-B) / Forensic Biology (I-C)

Semester II :

- ✓ Skill based Elective: Environmental Microbiology (II-A) / Tissue Biotechnology (II-B) / Marine Biotechnology (II-C)
- ✓ Entrepreneurship Course: Poultry farming (III-A) / Apiculture (III-B) / Nutrition & Dietetics (III-C)

Semester III

- ✓ Employability Course: Bioinstrumentation (IV-A) / Soil & Agricultural Microbiology (IV-B) / Brewing Technology (IV-C)
- ✓ Employability Course: Nanobiotechnology (V-A) / Biodegradation Technology (V-B) / Biosafety and Clinical Research (V-C)
- ✓ Employability Course: Aquaculture (VI-A) / Laboratory Animals for pre-clinical studies (VI-B) / Biodiversity and conservation (VI-C)

### **TO CONDUCT CBCS INTERDISCIPLINARY ELECTIVES**

The Board approved to conduct the interdisciplinary elective in semester IV

- ✓ Biofertilizer Technology and Organic Farming offered by Microbiology Department
- ✓ Herbal Technology offered by biotechnology department
- ✓ Life style Disease and prevention offered by Biochemistry department

### **TO IMPLEMENT PLAGIARISM CHECK for M.Sc., Dissertation**

The board highly appreciated the initiative taken in making plagiarism check mandatory for PG Dissertation. The board recommended plagiarism check for methodology, results and discussion. The board also suggested encouraging the publication of thesis.

**TO CONFIRM AND APPROVE** Syllabus and evaluation based on OBE and Bloom's taxonomy.

Resolved and approved the attainment pattern of the course outcome of the individual student to assess the program outcome

## Appreciations and Suggestions given by the BOS Members

- ✓ The Panel members approved the common question paper pattern for CIA and ESE can be followed for the 2021-2022 batches also.
- ✓ Highly appreciated for the conducting the certificate course on HACCP and basic catering.
- ✓ Suggested to start a PG diploma course in Food health and sanitization.
- ✓ Suggested to give equal weightage for Skill based Elective and Entrepreneurship Course.
- ✓ Since the course nomenclature is Applied Microbiology, more Courses relevant to Applied Microbiology can be implemented and the current core papers like Medical Microbiology, Immunology and soil microbiology can be included as electives.

### MEMBERS:

#### PANEL

**Chairman:** **Dr. P.Vidya M.Sc., M.Phil., Ph.D.**  
Asst. Prof & Head, PG and Research Dept. of Microbiology  
D.G.Vaishnav College



**Senior member:** **Dr. S. Jagadeeswari M.Sc., M.Phil., Ph.D. SET**  
Asst. Prof, PG and Research Dept. of Microbiology  
D.G.Vaishnav College

**Absent**

#### External members:

**Vice Chancellor's Nominee:** **Dr. D. Prabu MSc., PhD.,** (Vice Chancellor's Nominee)  
Assistant Professor, Department of Microbiology,  
Dr.ALM PG IBMS, University of Madras,  
Taramani, Chennai-113, Tamil Nadu, India.



**Subject expert:** **Dr. Anand Anbarasu M.Sc., M.Tech., Ph.D.**  
Professor, Department of Biotechnology,  
VIT University, Vellore-632014



**Subject expert:** **Dr. S. Vijayanand M.Sc., M.Phil., Ph.D.**  
Assistant Professor,  
Department of Biotechnology,  
Thiruvalluvar University,  
Serkkadu, Vellore-632115



**Member** **Dr. Prabhu Daivasigamani M.Sc., Ph.D.**

**from** CEO, Diligence Bio (P) Ltd  
**Industry:** Thuthipet, Puducherry-605502



**Alumini:** **Dr. C. R. Hemalatha MSc., Ph.D.,**  
Senior Lecturer, Department of Bioinformatics,  
Faculty of Biomedical Sciences, Technology and Research,  
Sri Ramachandra Institute of Higher Education and  
Research.




**Internal Members:**

**Dr. B. Kirthiga M.Sc., M.Phil., Ph.D.**  
Assistant Professor, P.G. & Research Dept. of Microbiology  
D.G.Vaishnav College



**Dr. M. Abirami M.Sc., M.Phil., Ph.D.**  
Assistant Professor, P.G. & Research Dept. of Microbiology  
D.G.Vaishnav College



**Dr. V. Rajalakshmi M.Sc., Ph.D.,**  
Assistant Professor, P.G. & Research Dept. of Microbiology  
D.G.Vaishnav College



The following changes will be effective from 2022 – 2023 batches and the common CIA and ESE question paper will be applicable for the batch 2021 – 2022 also.