



GOVERNMENT COLLEGE FOR WOMEN (A), SRIKAKULAM
Accredited with NAAC 'A' GRADE
DEPARTMENT OF MICROBIOLOGY

The Board of Studies meeting is held on 22-10-2024 Time: 11 Am in the Department of Microbiology at Government College for Women (Autonomous), Srikakulam for 2024-25 admitted students with reference to the following:

- i) UGC Letter No.F22-1/2017 (AC) dated 28.11.2018 regarding autonomous status.
- ii) Dr.B.R.Ambekar University, Srikakulam letter, RC.No.BRAU/FJ : conforming Autonomous Status dated 15.03.2019.
- iii) Proceedings of Vice-chancellor, Dr.B.R.Ambekar University, Srikakulam vide R.C.No.BRAU BOS 2023 dated 23.09.2023 regarding allotment of University subject expert.

Minutes of Board of Studies – 2024-25

The Board of Studies of Department of Microbiology met on 22-10-2024 and resolved the following:

1. The board endorsed the revised Choice Based Credit System (CBCS) curriculum aligning with APSCHE syllabus. This curriculum has been further customized, with up to 40% modifications, in accordance with the National Education Policy – 2020.
2. Approval was granted for designed syllabus for semesters 2 to 5 in B.Sc. Microbiology (minor) for the 2024-25 admitted batch. The syllabus has been meticulously tailored to address the needs of the student, meet contemporary employability requirements, and foster proficiency in Microbiology.
3. The curriculum comprises 6 courses, each with 3 credits for theory and 1 credit for practical.
4. Upon completing semester-2, students will partake in a 4-week internship-1 involving a Community Service Project (CSP) and will receive 4 credits. In semester-4, students will embark on a more extensive internship-2 lasting 8 weeks, focusing on industry training, also yielding 4 credits. Beyond the fourth semester, students are required to undertake a short-term internship, which includes a 6-month On Job Training (OJT) in an industrial setting as part of the third internship.
5. The Continuous Assessment System (CAS) was approved for all incoming batches. This includes 60-40 pattern model question papers and blue print.

6. Internal assessments will encompass a spectrum of cognitive levels, ranging from the foundational Lower Order Thinking Skills (LOTS) to the more advanced Higher Order Thinking Skills (HOTS) encompassing Remembering, Understanding, Creating, Applying, Evaluating, and Analysing.
7. A range of academic activities, including seminars, workshops, symposia, field visits, quiz programs, and exhibitions, will be organized to instil a creative mindset among students and keep them informed about the latest developments in the applied fields.
8. Students will be encouraged to undertake independent research projects at the undergraduate level, supported with the necessary infrastructure and guidance.
9. Remedial coaching will be provided to support students who may need extra assistance.
10. The adoption of an innovative teaching approach using audiovisual lessons based on ICT was endorsed.
11. It was resolved to introduce a value-added course titled "**Preparation and application of Biofertilizers**" in the department.
12. Guidelines set forth by the academic council will be implemented as part of the department's initiatives.

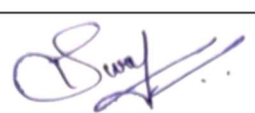
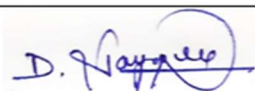
MODIFICATIONS IMPLEMENTED IN THE BOS

Major changes were done for the previous BOS based on syllabus adopted from APCSHE. 10% changes done in the course 1 & 2.

Course -1 Introduction to Microbiology – Included ultra structure of bacteria and structure of TMV as an example of plant virus, Structure of influenza as an example of animal virus and T4 bacteriophage as an example of bacteriophage. Without these specific studies the structure of bacteria and viruses are incomplete in unit-3

Course-2 Biomolecules and enzymes – unit-2 Reorganised the topics systematically as the order of topics in the previous version are not clear. Unit-3 fat soluble vitamins and water soluble vitamins are specifically given so that the students could have knowledge regarding all the vitamins.

APPROVAL OF THE BOS COMMITTEE MEMBERS:

MEMBER	NAME & DESIGNATION	SIGNATURE
Head of the Department (Chairman)	Dr.Ch. Lalitha HOD, Dept. of Microbiology Govt. Degree College for Women(A), Srikakulam	
Subject Expert (University Nominee)	Dr.K. Swapna Vahini Dept. of Biotechnology Dr.B.R. Ambedkar University Srikakulam	
Subject Experts (from outside the parent university)	Dr.Ch. Shanthi Devi Lecturer in Microbiology Dr.V.S.Krishna Govt. College (A) Visakhapatnam	
	D.Jayashree, Lecturer in Microbiology, ASD Govt. Degree College for women (A), Kakinada	
Member from Industry	Dr Geetha Srikanth Yarlagadda Managing Director LB Agro products	
Member from Alumni	P.Venkata Sravya Analyst in Quality control(QC), Microbiologist, Dr.Reddy Laboratories, Paidibhimavaram, Srikakulam.	
Principal	Dr.K.Surya Chandra Rao Principal Govt. Degree College for Women(A), Srikakulam	

