GOVERNMENT COLLEGE FOR WOMEN (AUTONOMOUS)
SRIKAKULAM
DEPARTMENT OF MICROBIOLOGY

MINUTES OF THE BOARD OF STUDIES MEETING

Date of Meeting: 26.09.2026

The Board of Studies (BoS) of the Department of Microbiology, Government College for Women (Autonomous), Srikakulam, met on 26.09.2026 to review the curriculum and syllabi of the B.Sc. Microbiology (Minor) programme for Semesters III to V, applicable to students admitted in the academic year 2026–27. The courses reviewed were Basic Microbiology (Semester III), Techniques in Microbiology (Semester IV), Immunology and Medical Microbiology (Semester V) and Applied Microbiology (Semester V). After due deliberation, the Board adopted the following resolutions.

PART A: GENERAL RESOLUTIONS

1. **Revised Curriculum:** The Board adopted the revised Choice Based Credit System (CBCS) curriculum prescribed by the Andhra Pradesh State Council of Higher Education (APSCHE), with modifications of up to 40% in accordance with the National Education Policy (NEP), 2020.

2. **Approval of Syllabi:** The Board approved the syllabi for Semesters III to V, incorporating the modifications listed in Part B, with the aim of meeting students' academic needs, enhancing employability, and strengthening their subject knowledge and practical competence.

3. **Course Structure and Credits:** The curriculum comprises four courses, each carrying three credits for theory and one credit for practicals.

4. **Internships:** The Board approved the following internship framework in accordance with APSCHE guidelines and the academic calendar of the institution:

   (a) Internship II: a two-month short-term internship carrying four credits, to be undertaken during the summer vacation following Semester IV.

   (b) Internship III: a semester-long internship, apprenticeship or on-the-job training of about six months carrying twelve credits, to be undertaken during Semester VI.

5. **Continuous Assessment System (CAS):** The Board approved the implementation of CAS for all incoming batches, along with model question papers and assessment blueprints based on the 60:40 pattern.

6. **Assessment of Cognitive Skills:** Internal assessments shall cover both Lower Order Thinking Skills (LOTS) and Higher Order Thinking Skills (HOTS), namely remembering, understanding, applying, analysing, evaluating and creating.

7. **Academic and Co-curricular Activities:** The Department shall organise seminars,

workshops, symposia, field visits, quizzes and exhibitions to promote scientific inquiry, creativity and awareness of current developments in Microbiology.

8. **Undergraduate Research:** Students shall be encouraged to undertake independent research projects under academic supervision, with access to departmental facilities.

9. **Remedial Support:** Remedial instruction shall be provided to students who require additional support to attain the prescribed learning outcomes.

10. **ICT-enabled Teaching:** The Board endorsed the use of Information and Communication Technology (ICT), including audiovisual resources, to improve teaching effectiveness and student engagement.

11. **Academic Council Guidelines:** All academic and developmental activities of the Department shall be carried out in accordance with the guidelines of the Academic Council.

PART B: SYLLABUS MODIFICATIONS

The Board resolved to incorporate the following modifications in the theory syllabi of Semesters III and V. The practical syllabi remain unchanged, and the syllabus of Techniques in Microbiology (Semester IV) is retained without modification.

Course (Semester)	Unit / Section	Modification
Basic Microbiology (Semester III)	Unit 4: Viruses and Other Acellular Structures – Section 4.2	Examples added: T4 and lambda (λ) bacteriophages (bacterial viruses); tobacco mosaic virus, TMV (plant virus); adenovirus and influenza virus (animal viruses).
	Unit 4 – Section 4.3	Cultivation of viruses added.
	Unit 5: Bacterial Growth and Nutrition – Section 5.3	Generation time and number of generations added.
Techniques in Microbiology (Semester IV)	—	No modification; existing syllabus retained.
Immunology and Medical Microbiology (Semester V)	Unit 3: Microbes in Health and Disease – Section 3	Aspergillosis added as an additional fungal disease; Hepatitis A replaced with COVID-19.
	Unit 4: Principles of Diagnosis – Section 1	Development of diagnostic kits added.
Applied Microbiology (Semester V)	Unit 1	Indian universities and companies involved in the production of biofertilizers and biopesticides added.
	Unit 4	Major industries in Andhra Pradesh related to Microbiology added.

Course (Semester)	Unit / Section	Modification
	Unit 5 – Section 2	Trademarks and copyrights added.