

Y.A GOVERNMENT DEGREE COLLEGE FOR WOMEN'S

CHIRALA



DEPARTMENT OF MICROBIOLOGY
PROGRAMME OUTCOMES

- **KNOWLEDGE BASE: -**
 - Graduation will demonstrate a comprehensive understanding of the fundamental principles of Microbiology, including Microbial cell structure, physiology, genetics and ecology.
- **LABORATORY SKILLS: -**
 - Graduation will be proficient in standard microbiological laboratory techniques, including Aseptic techniques, Microbial isolation, identification and molecular methods and be able to interpret results accurately.
- **CRITICAL THINKING: -**
 - Graduates will be able to critically analyses and interpret scientific literature related to Microbiology, applying their knowledge to solve complex problems in the field.
- **ETHICAL CONSIDERATIONS: -**
 - Graduates will understand and adhere to ethical principles and safety guidelines in the Microbiology laboratory.
- **COMMUNICATION SKILLS: -**
 - Graduates will effectively communicate scientific findings in both written and oral formats, including presentations and research reports.
- **IMPORTANCE CONSIDERATIONS: -**
 - **Align with program goals: -**
 - Ensure your program outcomes directly relate to the overall objectives of your Microbiology program.
 - **Specificity: -**
 - Clearly define the expected level of knowledge and skills students should achieve up on graduation.
 - **Measurable: -**
 - Include verbs that can be used to assess Student competency (e.g., "explain", "analyze", "design" , "apply").
- **Relevance to Industry: -**
 - Consider the current trends and demands in the field of Microbiology when formulating your program outcomes.