A.S.D. Govt. Degree College for Women (A), Kakinada

DEPARTMENT OF MICROBIOLOGY

BRIDGE COURSE:2022-23

From 31-10-22 to 15-11-22

The institution assesses the learning levels of the students, after admission and organizes special programs for advanced learners and slow learners.

The following are the strategies adopted to bridge the knowledge gap. Induction training program is given for the students immediately upon joining the institution. The programme also provides information on various facilities available and a summary of important rules and regulations which students need to follow in the laboratory.

Students are identified based on their performance in intermediate examination and by conducting a test in basic concepts in biology. Bridge course is given for all the students opted for Microbiology before commencing the regular classes.

BRIDGE COURSE:

A microbiologist must familiar with all major groups of micro-organisms and other fields interrelated to Microbiology. Bridge course help the learners to connect with the core subject and learn the skills which will make them confident and enhance their knowledge. Fresher to the subject needs an introduction to whole before dwelling into deep interests in Microbiology. After completing the bridge course, a test is conducted to assess student's communication skills and depth of knowledge in the subject.

Bridge Course Content:

- ❖ To make learners familiar with the Microbiology and its various terminologies.
- ❖ To make the learners aware about microbes around in the environment and the cause and control of infectious diseases.
- Scope, importance and carrier aspects in Microbiology.
- ❖ Introduction, extent and impact of micro-organisms
- The microbial world and you
- Prokaryotic diversity & their control
- Immunity and vaccines
- Different fields of Microbiology
- ❖ Basics of Microscopy & Microbiology lab instrumentation
- Molecular biology and genetic engineering
- Authors and reference books
- ❖ Laboratory safety and introduction to instruments
- Sterilization and disinfection

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