

Report on Hands-on Training Workshop on Plant Tissue Culture

A Hands-on Training Workshop on **Plant Tissue Culture** was successfully organized under the SSIP activity to provide practical exposure and technical knowledge to students in the field of plant biotechnology. The workshop aimed to develop skills related to aseptic techniques, media preparation, explant sterilization, inoculation, and maintenance of in vitro cultures.

The resource person for the workshop was **Dr. Bharat Maitrey**, an expert in the field of plant tissue culture and biotechnology. During the session, Dr. Maitrey delivered an informative lecture on the principles, applications, and commercial importance of plant tissue culture in agriculture, horticulture, conservation, and the pharmaceutical industry. He also demonstrated various laboratory procedures and guided participants through practical exercises.

Students actively participated in the hands-on activities and gained valuable experience in preparing culture media, handling laboratory equipment, and performing tissue culture operations under sterile conditions. The interactive nature of the workshop enhanced their understanding of modern biotechnological techniques and encouraged them to explore research and entrepreneurial opportunities in this area.

The workshop concluded with a question-and-answer session, where participants clarified their doubts and discussed future prospects in plant tissue culture. The programme proved to be highly beneficial in strengthening the practical skills and scientific temperament of the students.