



MAHARASHTRA EDUCATIONAL SOCIETY'S

## **H. K. COLLEGE OF PHARMACY**

PRATIKSHA NAGAR OSHIWARA, JOGESHWARI (W), MUMBAI 400102

Affiliated to Mumbai University, Approved by A.I.C.T.E., P.C. I., D.T.E. & Govt. of Maharashtra

University Code: 738 A.I.C.T.E Approval No. 06/07/MS/PHARM/2008/007 D.T.E Code No. PH3234

VISION: To Be recognized as the Institution providing quality education in Pharmacy to serve the health care sector



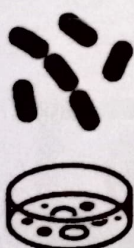
**Maharashtra Educational Society's**

**H. K. College of Pharmacy,**  
Oshiwara, Jogeshwari (W), Mumbai-102



Organizes a  
Research Methodology Session  
on

### **Microbiological Techniques in Research**



Saturday  
17<sup>th</sup> June 2023



**Speaker:**  
**Dr. Archana Upadhy**  
(Associate Professor, HKCP)

**11:30-12:30 pm**  
**Room. 209 (HKCP)**

**Dr. M. N. Saraf**  
Principal

**Dr. Archana Upadhy**  
Faculty in Charge





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### **Session on microbiological techniques in research**

**Conducted by:** Dr. Archana Upadhya

**Date:** 17<sup>th</sup> June 2023

**Time:** 11:30am-12:30pm

**Audience:** M.Pharm Sem II (13 students)

Dr. Archana Upadhya explained the basics of microbiology with regards to nutrients required for growth of micro-organisms, strategies employed to culture micro-organisms, long term storage of micro-organisms and techniques employed to sterilize media and medicaments.

She spoke about different Biosafety Levels that have to be employed while working with different micro-organisms depending on their pathogenicity and mode of transmission.

She also explained the morphology of different bacteria and the techniques where organisms can be identified using differential or selective media and other biochemical tests. She explained anti-microbial assay techniques and its refined protocol to obtain authentic and reproducible results. She gave a brief on interpretation of the results obtained from anti-microbial assays. She emphasized that the students must refer the Indian Pharmacopoeia.

She also highlighted on the basic rules to be followed in the microbiology laboratory and the importance of documentation of results obtained.



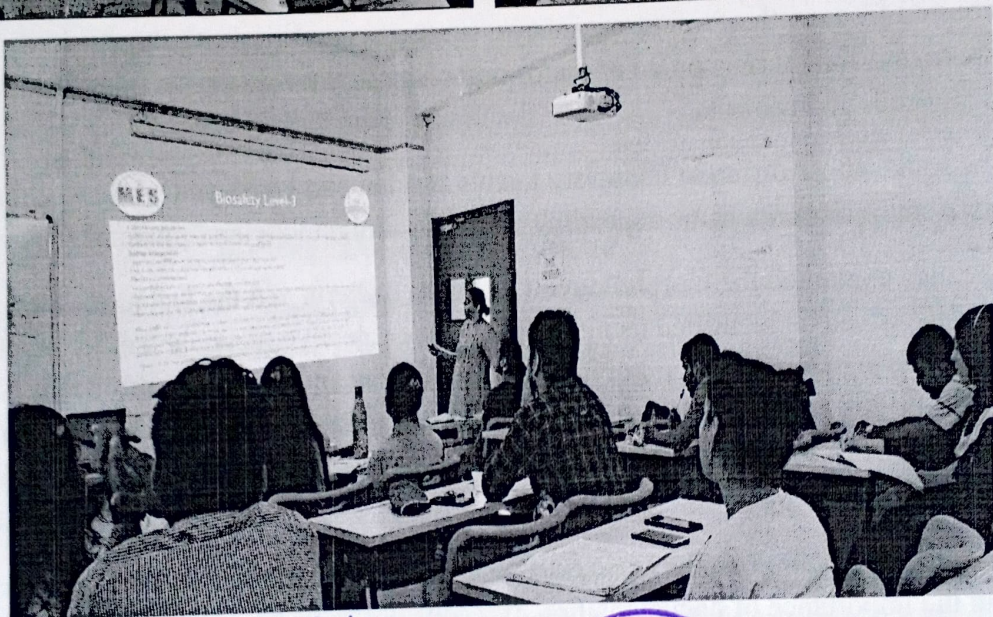
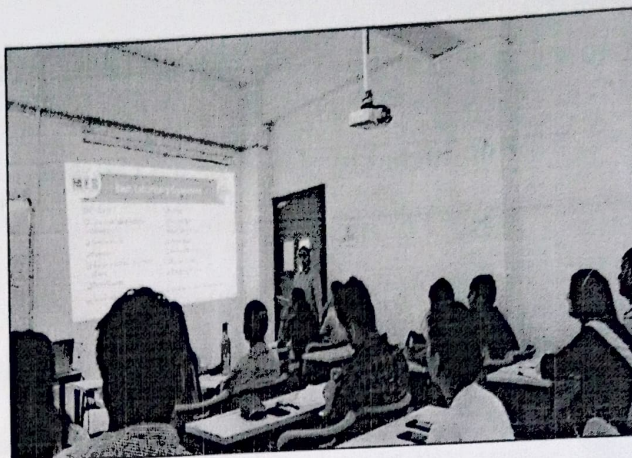
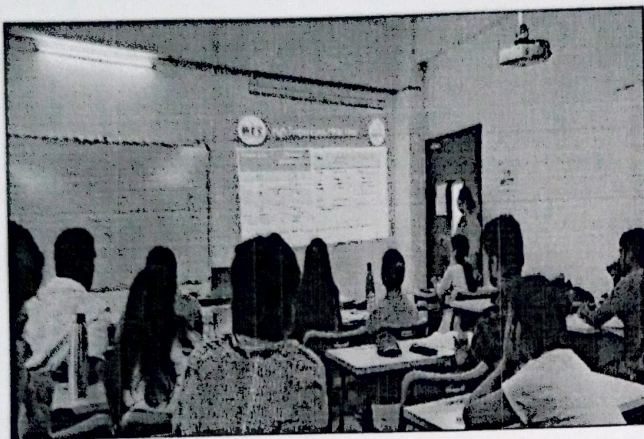


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Prepared by : Mrs. Geeta Taur

Endorsed by : Dr. (Prof.) M.N.Saraf



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