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|  |  |  | 17TH October, 2022 | |
| **Seminar** **Report**  **6th Seminar on Diagnosis Awareness Program on Microbiology Tools and Techniques** | | | | |
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**INTRODUCTION**

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| Microbiology and pathology laboratories are integral components of modern healthcare systems, contributing significantly to disease diagnosis, treatment, and public health. Microbiology, the study of microorganisms, provides critical insights into infectious diseases, immunology, and microbial genetics. Pathology laboratories, on the other hand, specialize in the examination of tissues, cells, and bodily fluids to diagnose diseases and monitor their progression.  This seminar report aims to summarize the key discussions and insights from our seminar on microbiology and pathology laboratory practices. Throughout the seminar, experts and practitioners shared their knowledge and experiences on various aspects, including microbial identification, disease pathology, diagnostic techniques, laboratory management, quality assurance, and emerging trends in both microbiology and pathology.  **Key Topics Covered:**   * **Diagnostic Techniques in Microbiology**: Overview of microbiological methods for identifying and characterizing pathogens, including traditional culture techniques, molecular diagnostics, and rapid diagnostic tests. * **Pathology Laboratory Procedures**: Introduction to the practices and procedures involved in pathology laboratories, including histopathology, cytopathology, and clinical pathology. * **Collaboration and Integration**: The significance of collaboration between microbiologists and pathologists in interdisciplinary research, diagnosis, and treatment planning. |

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**ABOUT THE SEMINAR**

* **Date:** 17/10/2022
* **Venue:** Microbiology Laboratory
* **Organizers:** Department of Microbiology, TCAS

1. Dr. Ritesh Tandel HOD, Microbiology Department,
2. Dr. Aparna Singh Assistant Professor, TCAS.
3. Ms. Vidhya Maheshwari, Visiting Faculty.

* **Overview:** Poster presentation was done by 51 students of T.Y.B.Sc. as an account for their training at different pathology labs in Kachchh district. Students elaborating about their training. Participants presented posters on a wide range of topics, including but not limited to:
* Novel microbiological techniques
* Advances in microbial culture methods
* Applications of molecular biology in microbiology
* **Conclusion:** The seminar on microbiology tools and techniques was a resounding success, showcasing cutting-edge research and fostering collaboration among participants. It served as a platform to inspire new ideas and innovations in microbiological research, contributing to the advancement of the field.

**PHOTOS**



