



Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (MS)
Reports for Extension/Outreach Activities Carried out in Year 2020

Name of Activity	Establishment of COVID-19 Testing Laboratory
Date of Conduction	30-05-2020
Organized by	Paul Hebert DNA Barcoding & Biodiversity Study Centre
Student Participated	5

Brief Report

Dr. Babasaheb Ambedkar Marathwada University (BAMU) in Aurangabad established a dedicated COVID-19 laboratory to enhance the region's testing capacity and support public health efforts during the pandemic. The laboratory provided timely and accurate testing services, promoted research on COVID-19, and engaged the community in efforts to control the spread of the virus. The positive impact of the laboratory highlights the importance of ongoing efforts to enhance public health infrastructure and respond effectively to public health challenges. The laboratory's objectives included enhancing testing capacity, supporting public health, promoting research, engaging the community, and developing expertise in virology and infectious disease management.





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Internal Quality Assurance Cell, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (MS)



Glimpses from inauguration and dedication event. The Event was graced by Cabinet Minister Shri Subhash Desai and Collector of Aurangabad District.

Pre-Establishment preparations included planning and coordination, funding and resources, site selection and preparation, regulatory approvals, procurement of equipment, staff training and recruitment, community engagement and awareness, and partnerships with local hospitals, clinics, and health authorities. Laboratory establishment and implementation involved infrastructure development, construction of the laboratory, installation of diagnostic tools, and operational readiness. Standard operating procedures and testing protocols were developed in line with guidelines from health authorities to ensure accurate and reliable testing. Quality control measures were implemented to maintain the accuracy and reliability of test results. The laboratory's outcomes and impact include increased testing capacity, support for public health, promotion of research, community engagement and support, and development of expertise. The laboratory significantly increased the availability of COVID-19 testing in the region, providing a critical resource for timely diagnosis and management of cases. Rapid testing enabled rapid testing and quick turnaround of results, facilitating prompt public health responses. Community health was crucial as the laboratory played a crucial role in supporting community health by providing reliable COVID-19 testing and contributing to efforts to control the spread of the virus. The laboratory played a crucial role in facilitating research on COVID-19, contributing valuable insights into the virus and potential treatment options. Academic collaboration fostered by the laboratory enhanced the university's research capabilities in virology and infectious disease management. Community involvement and support were well-received by the local community, with many residents availing themselves of the testing facilities and supporting the initiative. Positive feedback from community members



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and healthcare providers highlighted the laboratory's role in promoting public health and supporting the community during the pandemic. The laboratory also contributed to capacity building in the region, enhancing the university's ability to respond to future public health challenges. Challenges and solutions included logistical challenges, resource constraints, staff training and safety, and recommendations for future initiatives. In conclusion, the establishment of the COVID-19 laboratory at Dr. Babasaheb Ambedkar Marathwada University in Aurangabad was a significant initiative that successfully enhanced the region's testing capacity and supported public health efforts during the pandemic. The laboratory provided timely and accurate testing services, promoted research on COVID-19, and engaged the community in efforts to control the spread of the virus. The positive impact of the laboratory highlights the importance of ongoing efforts to enhance public health infrastructure and respond effectively to public health challenges.




Registrar,
Dr. Babasaheb Ambedkar
Marathwada University,