



Date : 23 Aug & 06 Sep 2025 - Time 8.00 am to 5.00 pm

VENUE : VRDL, DEPT OF MICROBIOLOGY

HANDS ON TRAINING AND WORKSHOP ON REAL TIME PCR



**Registration
Fee: 1500 Rs**

**Organized by
Viral Research and Diagnostic Laboratory (VRDL)
Department of Microbiology
MGM Medical College, Indore**

Limited seats are available-First come first served basis

CHIEF PATRON

DR ARVIND GHANGHORIA

DEAN & CEO

FACULTY

**DR MANISH PUROHIT
Head of Department
& PI VRDL
DR NISHAT KHAN
Associate Prof**

RESOURCE TEAM

**Dr Suman Kumar - Scientist C
Dr Sulekha Yadav - Scientist B
Mr Nikhil Pandya - Res Assistant
Mr Narayan Solanki - Lab Tech**

WORKSHOP DESIGN



- Introduction to the general principles on PCR and Real time PCR
- Hands -on training for RNA/DNA extraction
- Set -up of RT-PCR reactions.
- Result interpretation and troubleshooting.

SCAN TO REGISTER





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Agenda for Workshop

S.N		EVENT
1		Registration
2		Pre-Test
		Welcome address & Introduction of Participants and Faculty
3	Class room Session	Basics of REAL TIME-PCR: Conventional PCR versus Real-Time PCR; Advantages of Real-Time PCR; DNA template, Primers, Fluorescent dyes and types of probes; Real-time detection of fluorescence.
		TEA BREAK
4	Class room Session	Methods of DNA & RNA Extraction: Manual v/s automated
5	Lab Session	Hands on Nucleic Acid (DNA/RNA) Extraction
		LUNCH BREAK
6	Class room Session	Design and optimization of Real-Time PCR experiments. Inclusion of experimental controls. Setting up of reactions and optimization of PCR.
7	Lab Session	Hands on REAL-TIME PCR Setup
		TEA BREAK
8	Class room Session	Real-Time PCR data analysis: Amplification plots, Determination of threshold cycle
9	Lab Session	REAL-TIME PCR Result analysis and Trouble shooting
10		Post Test and Feedback
11		Valedictory function & Certificate distribution

- **WHO can Apply: SR, Residents, PG students, Clinicians, Faculty, Scientist .**
- **Only 20 seats per batch are available, selection based on first come first served, candidate can apply through scanning of QR code .**
- **Payment link will be sent to selected candidates.**

Registration will be confirmed only after successful payment made by candidate