

# HANDS-ON TRAINING ON REAL TIME PCR

## About the program:

PCR has revolutionized the practice of science. This course offers insight about principles of designing an efficient RT PCR assay, interpreting RT PCR data and troubleshooting RT PCR assays. This program is designed to expose the advantages of using RT PCR technology and empowering the participants with hands-on experience of Real-Time PCR applications.

## Duration:

6 Days (includes theory, hands-on training, and evaluation)  
Successful completion of the program gets you a Certificate of Participation.

## Curriculum Includes:

- ▶ Understanding PCR & Real-Time PCR
- ▶ Real-Time PCR applications
- ▶ Primer Designing
- ▶ Reaction setup for Real-Time PCR
- ▶ Selection of quantification - relative or absolute
- ▶ Melting curve analysis
- ▶ SYBR Green Assay
- ▶ Sample run
- ▶ Data Analysis
- ▶ Real handling of the instrument

## Program Suitability:

- ▶ For undergraduate and postgraduate learners from Molecular Biology, Biological Science, Life Science, Microbiology, Biotechnology etc.
- ▶ For those who wish to expand their basic knowledge & gain a better understanding of Real-Time PCR application and data analysis.

