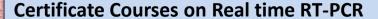


CSIR Integrated Skill India Initiative





Code - IICB-RTPCR

As the Coronavirus that causes the COVID-19 disease is spreading across the world, CSIR-IICB is offering its support and expertise to help healthcare workers to use Real Time Reverse Transcription Polymerase Chain Reaction (real time RT-PCR), one of the most accurate laboratory methods for detecting, tracking and studying the COVID-19 Coronavirus.

Educational Qualifications

Venue Of the course Age group Course Fee Duration

: UG or PG (in any branch of Science/Technology/Pharma (Pursuing/ Completed degree)

: CSIR-IICB, Jadavpur Campus and Salt Lake Campus

: 18 and above

: Rs. 5,000/-

: 01 week(13th January 2025-17th January 2025)

Training Curriculum

- Technical overview on Real Time PCR
- RNA isolation and cDNA synthesis
- Primer Designing
- Gene expression studies
- Data Analysis and Troubleshooting





CSIR Integrated Skill India Initiative

Certificate Courses on Real time RT-PCR



Code - IICB-RTPCR

Day 1 Schedule (Theory by Online mode)

- RNA extraction and RNA handling (1 Hr)
- Biosafety measures required to handle the samples (1 Hr)
- Principles of PCR analysis and Real-Time PCR technique and its implication in diagnosis and testing (1 hr)

Day 2 Schedule (Theory by Online mode)

- Realtime PCR technique including machine handling and data analysis (1 Hr)
- Reverse transcription and multiplex RT-qPCR (1 Hr)

Day 3 Schedule

Practical-I: RNA extraction and Measurement (Either Salt Lake or Jadavpur Camp

Day 4 Schedule

Practical-II (RT-PCR) (Either Salt Lake or Jadavpur Campus)

Day 5 Schedule

Evaluation (11 am –until completion)





Salient Features of the courses:

CSIR Integrated Skill India Initiative





Code - IICB-RTPCR

	Theory and practical sessions are per the course curriculum
Ш	Hand-out information on teaching modules
П	Hands on training through several practical classes in
	laboratories
	Exposure to all relevant instruments
	Continuous assessment through theoretical assignments &
	practical examinations for evaluation
	A certificate will be issued to the successful candidates
	Seats Available: 10 (Shortlisting will be based on first come-first
	serve policy and eligibility criteria of the course)
	Due to limited availability of seats, early registration through
	online application is recommended .
	Candidates can apply for multiple courses. In such cases,
	shortlisting will be based on fulfilment of eligibility conditions,
	availability of seat and number of single choice applicants for the
	course
U	Admission process is completely online including the payment of
	fees.
9	Once a candidate is shortlisted for a particular course, any
	request for change of course will not be accepted.
	Candidates cannot take admission simultaneously in two
	different courses
	Theoretical sessions through webinar
	Two practical sessions at any campus of CSIR-IICB

