

## CSIR Integrated Skill India Initiative

### Eight-Week Certificate Courses on Clinical Biochemistry, Microbiology, and Pathology Techniques for Biomedical Applications

#### Code – IICB-CB-01

CSIR-IICB proposes one training course in **on Clinical Biochemistry, microbiology, and pathology Techniques for biomedical applications** to generate skilled human resources. The dearth of proper & expert pathology technicians within the arena of Medical Services coupled with a low livelihood opportunities for the youth is the main motivation behind designing the course. The courses are targeted to candidates having a biological background. Such a course can provide excellent opportunities for the youth as well as bridge the gap in medical services of our country.

<b>Educational Qualifications</b>	:	H.S./B.Sc./DMLT with life science/Biotechnology
<b>Duration</b>	:	Eight weeks
<b>No. Of seats</b>	:	20
<b>Age group</b>	:	18 and above
<b>Venue of the course</b>	:	CSIR-IICB
<b>Partner</b>	:	CMRI, Kolkata
<b>Training Curriculum</b>	:	The course structure consists of both theoretical and hands-on-training. It includes the entire process of routine clinical chemistry followed in the clinical laboratories to provide medical service.

- ✓ Basic introduction to clinical laboratory
- ✓ Introduction to basic laboratory instruments
- ✓ Clinical Biochemistry
- ✓ Clinical Immunology and Endocrinology
- ✓ Diagnostics
- ✓ Histopathology and cytotechnology
- ✓ Microbiology
- ✓ Organization and Management of laboratory
- ✓ Quality control
- ✓ Short internship programs in various clinical laboratories
- ✓ Communication skill
- ✓ Preparation for interview

### Salient Features of the courses:

- ❖ Theory and practical sessions are per the course curriculum
- ❖ Hand-out information on teaching modules
- ❖ Lectures includes the entire process of routine clinical chemistry with multimedia aids
- ❖ Hands on training through several practical classes in laboratories
- ❖ Exposure to all relevant instruments
- ❖ Continuous assessment through theoretical assignments & practical examinations for evaluation
- ❖ Real life exposure to clinical laboratories for understanding of the routinely used diagnostics
- ❖ Short internship programs in various clinical laboratories at Kolkata
- ❖ skill development in communication
- ❖ Preparation for interview
- ❖ A certificate will be issued to the successful candidates