



*Ready for
Every Good Work*

SACRED HEART COLLEGE (AUTONOMOUS)

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A Don Bosco Institution of Higher Education, Founded in 1951 * Affiliated to Thiruvalluvar University, Vellore * Autonomous since 1987

Accredited by NAAC (4th Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

PG Diploma in Medical Laboratory Technology

S No	Title of the Paper	Course Code	Course Objectives	Course Outcomes	Relevance
1	ADVANCED MOLECULAR LABORATORY TECHNIQUES2	BCD209	<ul style="list-style-type: none"> • To learn the fundamentals of nucleic acid blotting techniques. • To explore the Polymerase Chain Reaction. • To understand the basic concepts of DNA sequencing. • To give basic ideas about how Hybridization are useful in research investigation. • To get familiar with the Radio isotopic techniques. 	<ul style="list-style-type: none"> • Define and understand the nucleic acid blotting techniques, its principle, instrumentation and its types. • Determine the knowledge of polymerase chain reaction and its applications • Discuss the importance of DNA sequencing in diagnostics and its significance. • Assess the DNA finger printing and genome analysis. • Correlate the characteristics of Hybridization, immunohistochemistry HLA DNA polymorphism, and parentage testing. • Originate the principle, instrumentation and applications of the radio isotopic techniques. 	Global developmental needs