



**Course Title**

**Qt programming**  
**Fees : 6500 Rs** **Duration : 45 hr**

**Prerequisite :CWLX**

**Course Details :**

Common Approach to Qt programming for Linux Operating Systems

Introduction To QT	QT Tools
<ul style="list-style-type: none"> <li>■ QT version differences</li> <li>■ QT as an evolving technology</li> </ul>	<ul style="list-style-type: none"> <li>■ Qmake</li> <li>■ QT Designer</li> <li>■ QT Linguist</li> <li>■ QT Assistant</li> <li>■ 3D Graphics Using OpenGL</li> </ul>
C++ & QT	Hello world program in QT
	<ul style="list-style-type: none"> <li>■ .pro file</li> </ul>
Widget designing in QT	Advanced Widgets
<ul style="list-style-type: none"> <li>■ Basic Widgets</li> <li>■ QcheckBox</li> <li>■ QcomboBox</li> <li>■ Qdialog</li> <li>■ QlineEdit</li> <li>■ QscrollBar</li> <li>■ Qslider</li> </ul>	<ul style="list-style-type: none"> <li>■ QdateEdit</li> <li>■ QtimeEdit</li> <li>■ QiconView</li> <li>■ QListBox</li> <li>■ QmultiLineEdit</li> </ul>
Qwt	Creating a basic addition application using QT Designer
<ul style="list-style-type: none"> <li>■ QwtSlider</li> <li>■ QwtArrowbutton</li> <li>■ QwtCounter</li> </ul>	<ul style="list-style-type: none"> <li>■ .ui file</li> <li>■ .ui.h file</li> <li>■ signals and slots</li> </ul>
.moc files	File handling in QT
	<ul style="list-style-type: none"> <li>■ Directory handling</li> <li>■ File Operations</li> </ul>

Listviews in QT	Parent child relationship in QT
<ul style="list-style-type: none"> <li>■ List view examples</li> </ul>	<ul style="list-style-type: none"> <li>■ Examples (A Pushbutton inside a vertical box)</li> </ul>
Geometry Management	Qt Event Management
<ul style="list-style-type: none"> <li>■ Basic geometry management system [eg setgeometry()]</li> <li>■ Layout management</li> <li>■ QHBoxLayout, QVBoxLayout, Spacers, QLayout</li> </ul>	<ul style="list-style-type: none"> <li>■ Introduction to event system</li> <li>■ Working with event systems</li> <li>■ QMouseEvent and event filters</li> </ul>
Qt Dialog Handling	Database(Mysql) interaction With Qt
<ul style="list-style-type: none"> <li>■ Predefined Dialog Boxes</li> <li>■ Custom Dialog Boxes</li> <li>■ Example : Help Browser</li> </ul>	
Advanced Concepts	
<ul style="list-style-type: none"> <li>■ Text Processing</li> <li>■ Multithreading</li> <li>■ Networking</li> <li>■ Writing Plugins</li> </ul>	