Pre-requisites : WMQ Basics, Java, XML, SQL, WebServices

Duration : 30 Hrs

Execution Modes : One hour per day for 30 days, on-line training

Course Contents : The following are the course contents

S.No	Content	Coverage description	Estimated Hours
Unit - I	WMQ Intro to messages and MQMD detailed	Theory	2
Unit - 2	Channels and clustering	One kind of channel pairing and cluster creation using UI	2
Unit - 3	IIB V10 Installation, configuration - Architecture	IIB component architecture overview	1
Unit - 4	Problem determination techniques	Trace node, co-relation names, user trace, file logging, debugger	1
Unit - 5	Controlling flow order	Flow order node usage	1
Unit - 6	Transformation with ESQL / Java	Overview of ESQL and three basic exercises, Filter, Compute,Label, Cardinality, ESQL functions, localenvironment, propagate, User Defined Properties, Promote properties	4
Unit - 7	DFDL overview and exercises	Overview, CSV, TDS, XML, Mapping	3.5
Unit - 8	Using Databases	Database usage using three nodes (compute, databasenode and retrieve node) ODBC and JDBC driver usage	3
Unit - 9	Error handling in WMB / IIB	Detailed default exceptional handling	1
Unit - 10	Java nodes in WMB	Three lab exercises	2
Unit - 11	Message aggregation	Aggregation nodes usage	1
Unit - 12	Controlling message sequence	Sequence nodes usage	1
Unit - 13	XSL Transformation	Three ways of usage exercises	1
Unit - 14	Patters	Using existing pattern and creating a new pattern	1
Unit - 15	Timer node , File node	One example for each	1.5
Unit - 16	Versioning and subflows		0.5
Unit - 17	Web Services (HTTP nodes)	Theory Creating service provider and consumer	1
Unit - 18	Web Services (SOAP nodes)	One service consumer flow and another service producer flow	1
Unit - 19	Publish / Subscribe	Using WMQ concepts	2
Unit - 20	JMS	Basic JMS administration and JMS nodes usage	1
	Total Projected Hours		**30.5**

The following are the nodes that would be covered in the training

MQInput	JMSInput	HTTPInput	SOAPInput
MQOutput	JMSOutput	HTTPReply	SOAPReply
MQReply	JMSReply	HTTPRequest	SOAPRequest
MQHeader	JMSMQTransform		SOAPExtract
	MQJMSTransform		
Filter	AggregateControl	Sequence	Mapping
Publication	AggregateReply	ReSequence	Java Compute
Label	AggregateRequest		XSL Transform
Route			Compute
Input	DatabaseRetrieve	FileInput	TryCatch
Output	Database	FileOutput	FlowOder
Throw		Validate	Passthrough
Trace	ResetContentDescriptor	TimeoutControl/Notification	