**Guest Lecture: Agile implementation for MuleSoft Project.**

* 2 Day Free Webinar For Real world Illustration of an Agile implementation for MuleSoft Project.

**Module 1: Introducing to MuleSoft.**

* Introduction of MuleSoft.
* Creating a simple rest API using MuleSoft.

**Module 2: Introducing application networks and API-led connectivity**

* Explain what an application network is and its benefits
* Describe how to build an application network using API-led connectivity
* Explain what web services and APIs are
* Explore API directories and portals
* Make calls to secure and unsecured APIs

**Module 3: Introducing Anypoint Platform**

* Identify all the components of Anypoint Platform
* Describe the role of each component in building application networks
* Navigate Anypoint Platform
* Locate APIs and other assets needed to build integrations and APIs in Anypoint Exchange
* Build basic integrations to connect systems using Flow Designer

**Module 4: Designing APIs**

* Define APIs with RAML, the Restful API Modelling Language
* Mock APIs to test their design before they are built
* Make APIs discoverable by adding them to Anypoint Exchange
* Create API portals for developers to learn how to use APIs

**Module 5: Building APIs**

* Use Anypoint Studio to create flows graphically
* Build, run, and test Mule applications
* Use a connector to connect to databases
* Use the graphical Data Weave editor to transform data
* Create RESTful interfaces for applications from a RAML file
* Connect API interfaces to API implementations
* Synchronize changes to API specifications between Anypoint Studio and Anypoint Platform

**Module 6: Deploying and managing APIs**

* Describe the options for deploying Mule applications
* Deploy Mule applications to CloudHub
* Use API Manager to create and deploy API proxies to CloudHub
* Restrict access to API proxies

##### Module 7: Accessing and modifying Mule events

* Log event data
* Debug Mule applications
* Read and write event properties
* Write expressions with the DataWeave expression language
* Create variables

##### Module 8: Structuring Mule applications

* Create applications composed of multiple flows and subflows
* Pass messages between flows using asynchronous queues
* Encapsulate global elements in separate configuration files
* Specify application properties in a separate properties file and use them in the application
* Describe the purpose of each file and folder in a Mule project
* Define and manage application metadata

##### Module 9: Consuming web services

* Consume web services that have a connector in Anypoint Exchange
* Consume RESTful web services
* Consume SOAP web services
* Pass parameters to SOAP web services using the Transform Message component
* Transform data from multiple services to a canonical format

##### Module 10: Controlling event flow

* Multicast events
* Route events based on conditions
* Validate events

##### Module 11: Handling errors

* Handle messaging errors at the application, flow, and processor level
* Handle different types of errors, including custom errors
* Use different error scopes to either handle an error and continue execution of the parent flow or propagate an error to the parent flow
* Set the success and error response settings for an HTTP Listener
* Set reconnection strategies for system errors

##### Module 12: Writing DataWeave transformations

* Write DataWeave expressions for basic XML, JSON, and Java transformations
* Write DataWeave transformations for complex data structures with repeated elements
* Define and use global and local variables and functions
* Use DataWeave functions
* Coerce and format strings, numbers, and dates
* Define and use custom data types
* Call Mule flows from DataWeave expressions
* Store DataWeave scripts in external files

##### Module 13: Salesforce Admin ( Introduction class)

* Salesforce account setup
* Salesforce object creation
* Other basic activity

##### Module 14: Connectors

* Read and write files ( File/FTP/SFTP Connector )
* Http Connector
* Database connector
* Salesforce connector
* Schedule flows to run at a certain time or frequency
* Persist and share data in flows using the Object Store ( Object Store Connector )
* Publish and consume JMS messages ( JMS Connector )

##### Module 15: Processing records

* Process items in a collection using the For Each scope
* Process records using the Batch Job scope
* Use filtering and aggregation in a batch step

**Module 16: MuleSoft Mini Project As Assignment**

* MuleSoft project as assignment

**Module 16: MuleSoft Mock Interview Practice**

* Interview preparation guidance and 2 mock interview