

Chatbot development

Mode of Training: Online, Classroom, Corporate

Faculty: Mr. SATHISH

Course Duration:



**Course
Curriculum**

Google Dialogflow (API.AI) Chatbot

Introduction

- What is Bots & AI?
- What is API.AI?

Basics of API.AI

- Understood & Create Agent
- Understood & Create Intent
- Using Entities
- Using Action & Parameters

Using Fulfillment for response



- Understanding & Setting up Fulfillment
- Webhook: Python
- Webhook: NodeJS
- Webhook: ASP.Net

Publish your Bots

- Integrate: Website
- Integrate: Skype
- Integrate: Messenger
- Integrate: Slack
- Integrate: Google Action

- Integrate: Cortana

Advance Concepts of API.AI

- Using Context
- Working with Events
- Using Rich Messages
- Enable Machine Learning
- Small talk & Analytics

Using SDK in your Application

- Client: HTML & JS
- Client: .Net
- Client: Android
- Client: Java



IBM Watson Chatbot

Module 1 - Introduction to Chatbots

- Learning Objectives
- What are chatbots?
- Emergence of Messengers and Cognitive Computing

- Who are chatbots for?
- The chatbot we're going to build

Module 2 - Introduction to Watson Conversation

- Learning Objectives
- Watson Conversation components
- Intents
- Entities
- Dialog
- DOs and DON'Ts of dialog design



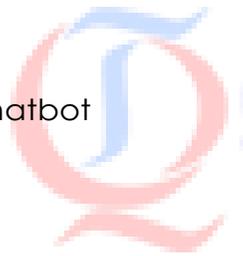
Module 3 - Building Our Chatbot: Intents and Entities

- Learning Objectives
- Creating a workspace
- Defining Intents
- Defining Entities

- Working with Lab in Bluemix

Module 4 - Building Our Chatbot: Dialog

- Learning Objectives
- The default Welcome and Anything else nodes
- Creating Chit Chat dialog
- Simple conditions and responses
- Handling complex dialog flow
- Trying out and exporting our Chatbot
- Update about Bluemix
- Working with Lab in Bluemix



Module 5 - Deploying Your Chatbot on WordPress

- Learning Objectives
- Introduction to the WordPress plugin
- Installing and configuring the plugin

- Finding and fixing problems
- More advanced concepts
- Analyzing chatbot conversations
- Practice Session

Microsoft LUIS Chatbot

Microsoft Bot Framework

- What is Bot?
- Why we need Bot Framework?
- Different components of Microsoft Bot Framework?
- Bot Builder SDKs
- Connector Services
- Channels



Getting Started with your First Bot

- Get your development environment ready

- Create your First Bot
- What are Dialogs
- IDialog Interface
- Saving State between Dialogs

Working with Form Flow

- Understanding of Form Flow

Language Understanding Intelligent System

- LUIS
- Intents, Activities and Utterances
- Demo : Working with LUIS



Demo: Restaurant Bot Application

- Hands-On-Lab : Restaurant Bot Application from Scratch

Publish your Bot and Connect through channels

- Publish your Bot to Microsoft Azure

- Demo : Registering a bot to the Bot Framework
- Step 1: Creating a Facebook Page for your RestaurantBot
- Step 2: Create a Facebook App for your Bot
- Step 3 : Configure Webhook
- Test your Bot

Amazon Lex Chatbot

Introduction of Lex, Alexa and AWS

- Course Outline
- Lex and Alexa
- Evolution Of HCI And Voice Interfaces
- Alexa Echo And AWS
- Invocations Utterances Intent
- AWS Signin
- Sample Bots



- Custom Bots and IAM
- Finish Bot Creation

Interaction Models in Amazon Lex

- Module Outline
- Creating Intents
- Slot Types
- Slots
- Slot Properties
- Sample Utterances
- Confirmations
- Configuring The Bot
- Test Order Coke
- Test Order Pizza Fail
- Test Order Pizza OK



- Cleaning Up Resources

Fulfillment Models in Amazon Lex

- Module Outline
- Weather Bot
- Built In Slot Types
- Setting Up WeatherBot
- Lambda Intro
- Lambda Blueprint
- Code Big Picture
- Lambda Handler
- Constructing Response
- Lambda Configuration
- Lex Lambda Configuration
- Open Weather API



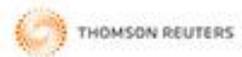
- Invoking Open Weather API
- Importing External Libraries To AWS Lambda
- Versions Aliases And Publishing

Third-party Apps: Chatbots in Slack

- Module Outline
- Creating Slack Application
- Activating Lex Integration
- Configuring Slack App
- Testing Slack Bot



Supporting Enterprises around the Globe



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