Building AI-Powered Assistants with Oracle Digital Assistant New!

Oracle Cloud Infrastructure

DURATION	MODULES	COURSE CODE
3 Days	6 Lectures	—

Course Overview

This course introduces you to the world of intelligent digital assistants and how you can build them quickly and easily with Oracle Digital Assistant Cloud Service. You will learn how to develop digital assistant that understands natural human language using NLP (Natural Language Processing), enable your skills to use its intelligence as it interacts with users, integrate your digital assistant with back end systems so that it can deliver enterprise data to users and execute tasks and introduce your digital assistant to a potentially vast audience quickly and easily by integrating it with the Facebook Messenger platform.

What You Will Learn

Module 1: Course Overview

- Welcome to Digital Assistant
- Course Overview
- Course Speakers & Contributors
- Target Audience: Who is this course for?
- Prerequisites
- What the Digital Assistant Exam Validates
- Course Outline
- Digital Assistant Labs
- Tips for Getting the Most Out of This Course
- Ratings and Feedback

Module 2: Introduction to Conversational AI and Oracle Digital Assistant

- What is Conversational AI?
- Linguistic Model Concepts
- Overview of Oracle Digital Assistant

Module 3: Conversation Design

- Fundamentals of Conversation Design

- What Makes a Great Conversation?
- Conversational Project Timeline
- Human Skills Needed for a Conversational Project
- Conversation Design Focus Areas
- Conversation Design Challenges

Module 4: Design and Build Intents and Entities

- Quick Introduction to NLP (Natural Language Processing)
- Intent Design and Partitioning
- Designing Intents in NLP
- Utterance Design
- Manual Utterance Creation
- Crowdsourcing Utterance Creation
- Testing the NLP Model
- Introduction to Entities
- Entity Types, Properties, and Extraction
- Real-World Entity Extraction Challenges
- Best Practices with Entities

Module 5: Dialog Flows, Custom Components, and Backend Services

- Introduction to Dialog Flows
- Getting Started with the Visual Flow Designer
- Dialog Flow Components and Design Considerations
- Testing Dialog Flows
- Dialog Flow Best Practices
- Answer Intents in Dialog Flows
- Implementing and Customizing Answer Intents
- Introduction to Custom Components
- Bots Node SDK
- Large Language Models (LLM) in Digital Assistants
- LLM Building Blocks in Dialog Flows

Module 6: Digital Assistants and Channels

- Digital Assistant Basics
- Routing in Digital Assistants
- Configuration and Conversation Testing
- Overview of User Channels
- Web Channel Basics and Web Messenger Customization
- Resource Bundles
- Creating Multi-Language Digital Assistants
- Additional Configuration for Multi-Language Digital Assistants