Course Name	Power Platform Solution Architect
Course Code	PL-600T00
Course Duration	4 Days
Course Structure	Instructor-Led
Course Overview	The Solution Architect is responsible for the successful design, implementation, deployment and adoption of an overall solution. The Solution Architect ensures that the solution meets the customer's needs now and in the future. In this course, students will learn about decisions a Solution Architect makes during an implementation, covering security, integrations, Power Apps architecture, Power Automate architecture, and more. This course is designed to give you an introduction to the Solution Architect role.
Audience Profile	Senior Consultants (both functional and technical) that aspire to be Solution Architects, or current Solution Architects that are new to the role.
Course Prerequisites	Before attending this course, students must have: • Experience with the Power Platform • Some knowledge of Microsoft Azure
Course Outcome	After completing this course, students will be able to: • Understand what it takes to become a Solution Architect • Discover customer needs • Propose a solution • Work with requirements • Perform fit-gap analysis
Assessment/Evaluation	This course will prepare delegates to take the exam PL-600: Power Platform Solution Architect Successfully passing this exam will result in the attainment of the Power Platform Solution Architect and Certificate of Attendance issued by IT-IQ Botswana

Course Details	
Topic	**Topic 1: Becoming a Solution Architect/Getting to know your customer**
	Lessons
	• Define a Solution Architect
	• Role of a Solution Architect on projects
	• Project Methodology
	• Getting to know your customer.
	• Group exercise - Getting to know your customer.
	Topic 2: Conceptualizing the design from requirements
	Lessons
	• How to lead the requirement collection effort
	• Using fit gap analysis
	• Pillars of good architecture
	• Blueprinting the solution architecture
	• Group exercise - Design from requirements
	Topic 3: Project governance and working as a team.
	Lessons
	• Solution Architect's role in project governance
	• Techniques for keeping a project on track
	• Scenarios that could cause a project to fail
	• Group exercise - Project governance and working as a team

Topic 4: Power Platform Architecture

Lessons
- Key Power Platform architecture components
- Understand how platform design and limits influence solution architectures
- Updates and feature releases
- Understand how to communicate how the platform meets customer needs

Topic 5: Data Modeling

Lessons
- Data model influences
- Data model strategy
- Data types
- Data relationships
- Group exercise - Data modeling

Topic 6: Analytics and artificial intelligence

Lessons
- Planning and evaluating requirements
- Operational reporting
- Power BI
- Enterprise BI
- Pre-built insights and custom AI

Topic 7: Power Apps Architecture

Lessons
- Discuss options for apps and how to choose where to start
- Discuss app composition options
- Using components as part of your app architecture

	- Considerations for including Portals as an app in your architecture - Group exercise - Power Apps Architecture topics **Topic 8: Application Lifecycle Management (ALM)** **Lessons** - Microsoft vision and Solution Architect's role in ALM - Environment strategies - Defning a solution structure for your deliverable **Lab: ALM Hands-on Lab** **Topic 9: Power Automate Architecture** **Lessons** - Discuss options for automation and custom logic - Review considerations for using triggers and common actions - Explore using Business Process Flows (BPF) to guide users through business processes - Group Exercise - Evaluate scenarios for Power Automate usage **Topic 10: Security Modeling** **Lessons** - Solution Architect's role in security modeling - Discovery and learning your client's environment - Controlling access to environments and resources - Controlling access to CDS Data - Group Exercise - Security Modeling

	Topic 11: Integration **Lessons** • Solution Architects role in Integrations • What is an integration and why do we need it • Platform features that enable integration • CDS Event Publishing • Scenarios for group discussion **Topic 12: Dynamics 365 Applications Architecture** **Lessons** • Solution Architect's role when deploying Dynamics 365 apps • Architecture Considerations for primary apps • Group Exercise - App specific working groups evaluate requirements **Topic 13: Power Virtual Agents architecture** **Lessons** • Introduction • Chatbot options • Chatbot concepts • Best practices • Integrate chatbots • Power Virtual Agents in Microsoft Teams

	Topic 14: Robotic Process Automation
	Lessons • Introduction • Power Automate Desktop • Recording and editing tasks • Running desktop flows • Process advisor **Topic 15: Testing and Go Live** **Lessons** • Solution Architect's role with testing and go live • Planning for testing • Planning for go live