

Technology 101

Course Design Document

Ver 1.1

1. About the Document:

This design document specifies all the decisions made about the course up to this time, including:

- Purpose of the course
- Intended outcome of the course
- Audience description
- Delivery method(s)
- What to train
 - High level outline
 - Detailed lesson outlines
- Objectives of each lesson
- Assessments/exercises for each task

2. Purpose of the Design Document:

The purpose of the design document is to obtain agreement with all stakeholders about the vision and plan for the course. These parties include:

- Internal clients (BU SME's) and reviewers
- Team members (iLD) working on the course
- External clients, if any

3. Sign-off:

Obtaining sign-off on the design document is important in ensuring agreement on the plan at this point. Once an agreement is secured from key stakeholders work on developing the course materials can begin.

An approved course design document is required to release a course as an official curriculum

Key stakeholders for Design sign-off

- Designated Leader from BU (for BU developed courses)
- Head of iLD

Contents of a Design Document

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Purpose of the Course

To understand the fundamentals of technology, become more tech-savvy, adopt a tech mindset in the FinTech Industry.

Audience Description:

Beginners & Career Transitioners

Course Objectives:

After completing this course, the learner will:

- Overcome barriers to understanding the key concepts in Technology space
- Develop your understanding of the tech landscape
- Navigate careers in tech
- Become more tech savvy in your own role.

Learning Assessment:

No assessment as such is administered

Instructional Strategies:

This is a self-paced or an instructor-led in-person course along with a slide presentation.

Media:

The course will utilize the following media

- Slide Presentation
- Byte sized Videos

Duration:

This course is covered in a single block of 4 hours' instructor led session.

- Pre Training Activity: Nil
- Post Training Activity: Nil

- **Course Scope:**

The course contains **3** chapters. The lesson brief is given below:

| Lesson | Objective | Topic List | Delivery Method | Duration | Practice check Method | Annexure |
|--------|---|-------------------------------------|-----------------|------------|-----------------------|----------|
| 1 | To understand the importance of understanding technology fundamentals in the FinTech space | Introduction to Technology 101 | Video | 6 minutes | Nil | Nil |
| 2 | To achieve a detailed understanding of Central Processing Unit (CPU) | Central Processing Unit (CPU) | Video | 10 minutes | Nil | Nil |
| 3 | To view the specifications of your computer and understand the ways to do it. | How do I see what my computer has? | Video | 15 minutes | Nil | Nil |
| 4 | To give an introduction to the concept of “Memory” and to cover some of its components - Registers & Cache. | Memory Part 1 - Registers & Cache | Video | 13 minutes | Nil | Nil |
| 5 | To cover some of the other components of Memory - RAM & Storage. | Memory Part 2 - RAM & Storage | Video | 9 minutes | Nil | Nil |
| 6 | To list out the types of Storage options. | Types of Storage Options | Video | 9 minutes | Nil | Nil |
| 7 | To give an overview of File & File Systems | File & File Systems Part 1 | Video | 4 minutes | Nil | Nil |

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|----|--|---|-------|------------|-----|-----|
| 8 | To give an overview of File & File Systems | File & File Systems Part 2 | Video | 6 minutes | Nil | Nil |
| 9 | To give an overview of File & File Systems | File & File Systems Part 3 | Video | 12 minutes | Nil | Nil |
| 10 | To track and touch upon the stages of evolution from System to Database | Evolution from File System to Database | Video | 12 minutes | Nil | Nil |
| 11 | To understand the concept of Networking in-depth | Networking Part 1 | Video | 4 minutes | Nil | Nil |
| 12 | To understand the concept of Networking in-depth | Networking Part 2 | Video | 11 minutes | Nil | Nil |
| 13 | To achieve an overall understanding of the concept of Security in-depth | Introduction to Security | Video | 6 minutes | Nil | Nil |
| 14 | To elaborate on the concept of “Dimensions of Confidentiality” under Security. | Security Part 1 - Dimensions of Confidentiality | Video | 15 minutes | Nil | Nil |
| 15 | To elaborate on the concept of “Dimensions of Integrity” under Security. | Security Part 1 - Dimensions of Integrity | Video | 8 minutes | Nil | Nil |

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|----|---|--|-------|------------|-----|-----|
| 16 | To elaborate on the concept of “Dimensions of Availability” under Security. | Security Part 1 - Dimensions of Availability | Video | 7 minutes | Nil | Nil |
| 17 | To understand the concept of Security Approach in-depth. | Security Part 2 - Security Approach | Video | 10 minutes | Nil | Nil |
| 18 | To understand the concept of Security and Trust in-depth. | Security Part 2 - Security and Trust | Video | 7 minutes | Nil | Nil |

Activities Conducted:

| Activity # | Activity | Objective | Duration | Annexure |
|------------|----------|-----------|----------|----------|
| Nil | Nil | Nil | Nil | Nil |

Development Tools

Not Applicable

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Ownership

The design and Development of the course is by Krishna Rajaraman, Senior Vice President - Chief Technical Officer and Partner, CTOO

Course approved by Dr.Vinay Menon – SVP iLD

Course revision from time to time by Krishna Rajaraman, Senior Vice President - Chief Technical Officer and Partner, CTOO

Approved facilitators: Krishna Rajaraman, Senior Vice President - Chief Technical Officer and Partner, CTOO

Development Time

Not Applicable

Support Requirements

Project Sign off

Approved by :

Date :

Place :