

Java/JEE - CAT training Curriculum



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Objective:

To train CATs over a period of 12 weeks to make them ready and productive for deployment to real life engagements.

Why revisit the curriculum?

To explore avenues of bringing in greater degree of effectiveness, by leveraging on the insight gained into the training curriculum through close association.

Avenues of improvement...

- Pruning the diversity of topics in curriculum and focusing on areas of higher relevance, in greater depth
- Increasing deeper mentor connect and reducing e-learning
- Increasing focus on appreciating practical applicability of knowledge rather than covering theoretical breadth
- Imbibing the ability to self explore, learn and apply

Relevancy of topics...

J2EE patterns and best practices

Front Controller

Business Delegate

Data Access

AJAX

Intro to API

Performance

Authentication

Authorization

Logging

Configuration

Enterprise Frameworks

Servlets

JSP

JSON

Hibernate

iBatis

JDBC

JUnit

Introduction to J2EE

Concepts of ORM

Source control

SVN

GIT

Concepts of SCM

Language fundamentals & basic design skills

Java

HTML

CSS

JS

XML

Overview of different types of languages

Relational fundamentals

SQL

Index

Keys

Constraints

Concepts of relational modelling

Development Tooling

IDE

App Servers

.

JDK

JVM

DB

Foundational Concepts

OOP

Relational Modelling

Programming Languages

Web Computing

Software Testing

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Transactions

Security

IT in Enterprises

Software lifecycle

Client Server

Basics of Networking

Technology

Simplification

Modernization

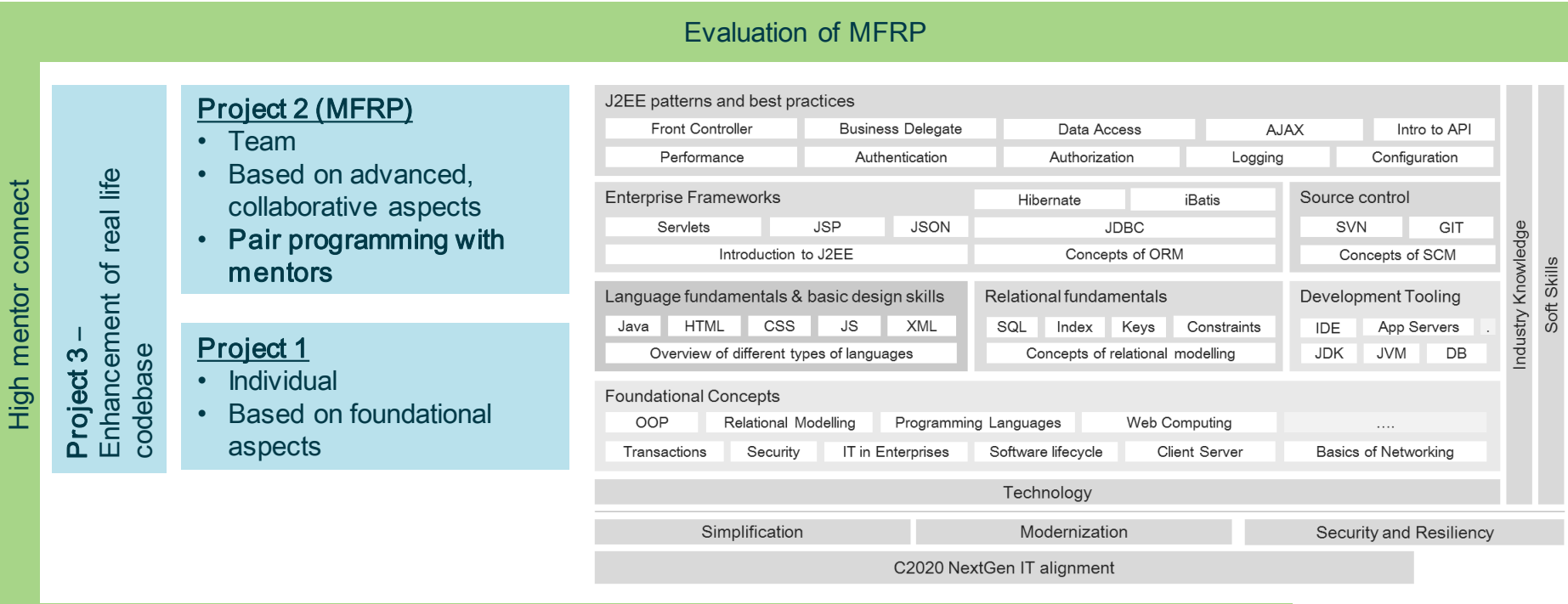
Security and Resiliency

Industry Knowledge

Soft Skills

Hands-on exposure

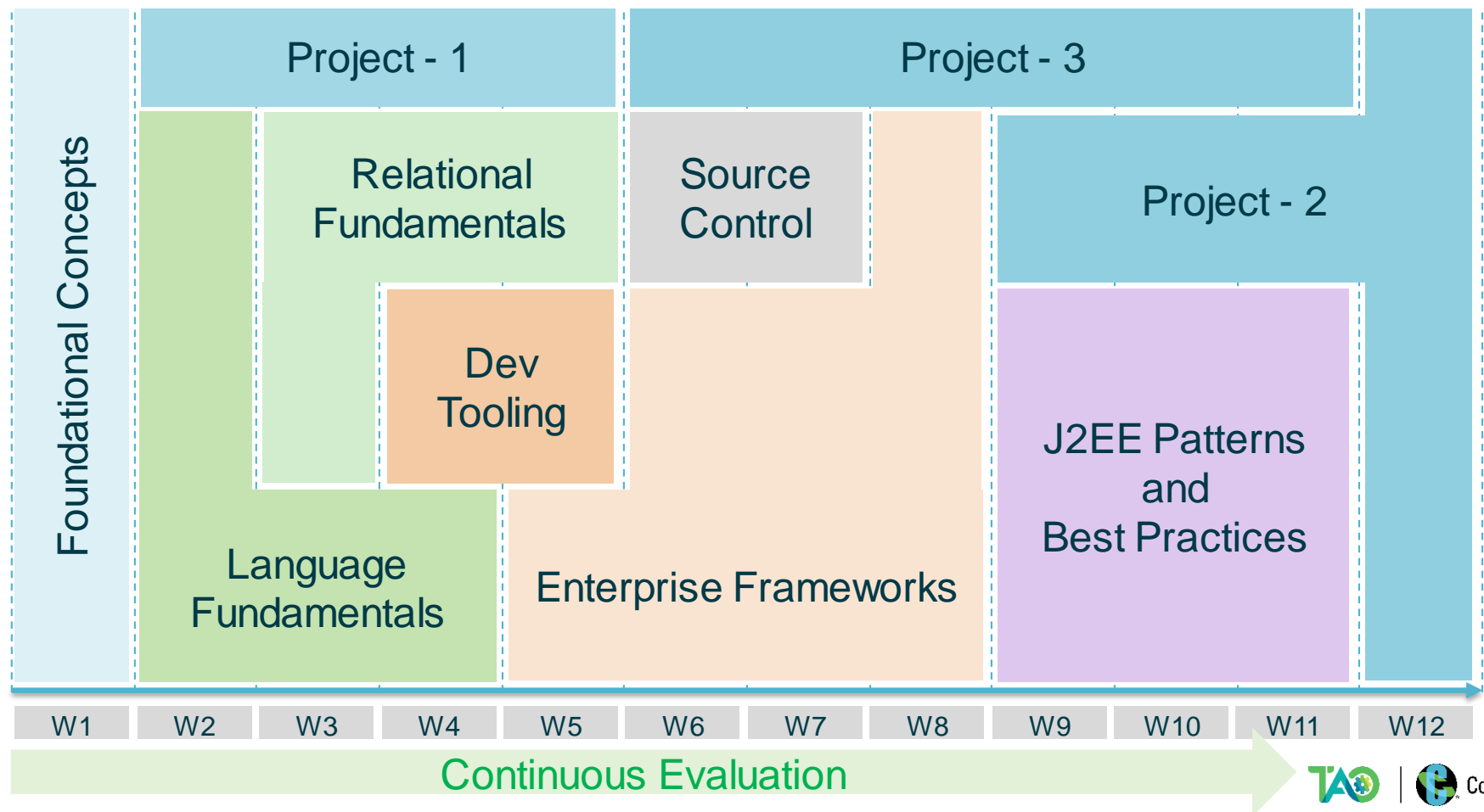
Exposure to three types of hands-on experience: **1)** Individual small scale – primer project, **2)** Green field – large scale, collaborative and **3)** Enhancement – large scale, collaborative



Time allocation heavy on technology training

Open access to Cognizant IT resources

Proposed timelines...



Thank You



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