

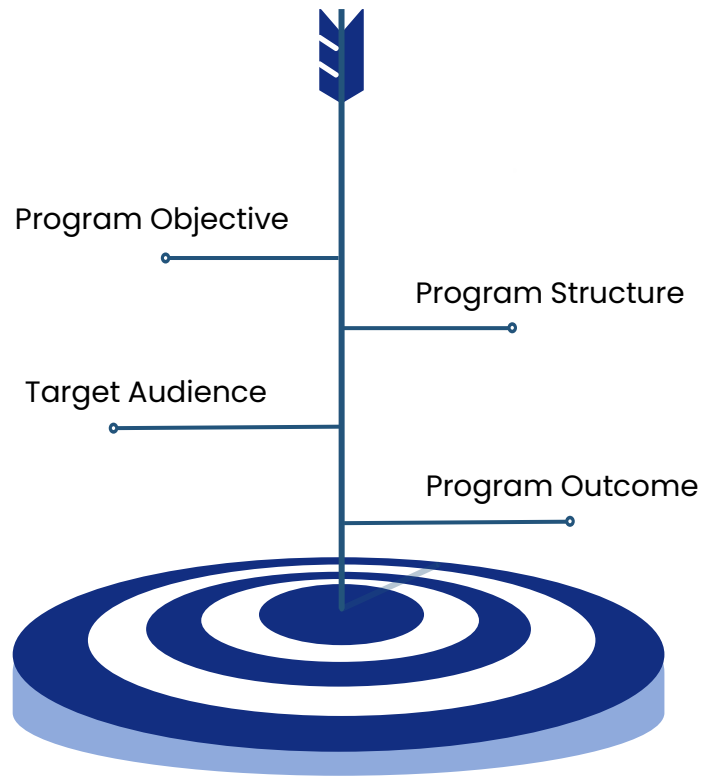


Junior SDET Accelerator

Build expertise in coding, testing, and automation



Our Understanding



- **Program Objective:** The program is designed to provide participants with a solid understanding of the foundational concepts of software testing, test automation, and quality assurance, enabling them to effectively contribute to the software testing lifecycle.
- **Program Structure:**
 1. Mode of Learning: A blended model integrating Digital Learning (Self-paced) and Virtual Instructor-Led Training
 2. Session Duration: 2 hours per day (Balanced between digital content & live VILT sessions).
- **Target Audience:** 2-4 years experienced professionals
- **Program Outcome:**
 - Upon completion, participants will be equipped to confidently execute basic automated tests, ensure the functionality and performance of applications, and contribute to continuous integration and testing processes.
 - They will be prepared to take on foundational Jr. SDET responsibilities, supporting software quality assurance efforts in real-world projects.

Course Flow & Structure

- Java Programming
- JavaScript Basics
- Unit testing
- Microservices Architecture
- REST API's Intro

Milestone 1

- Cloud Basics
- Docker Basics
- CI/CD Intro
- Version control Fundamentals
- Application architecture Foundations
- Design Documents

Milestone 2

- Selenium-Web Automation
- Different frameworks intro

Milestone 3

- Gitlab
- CI/CD-Jenkins

Milestone 4

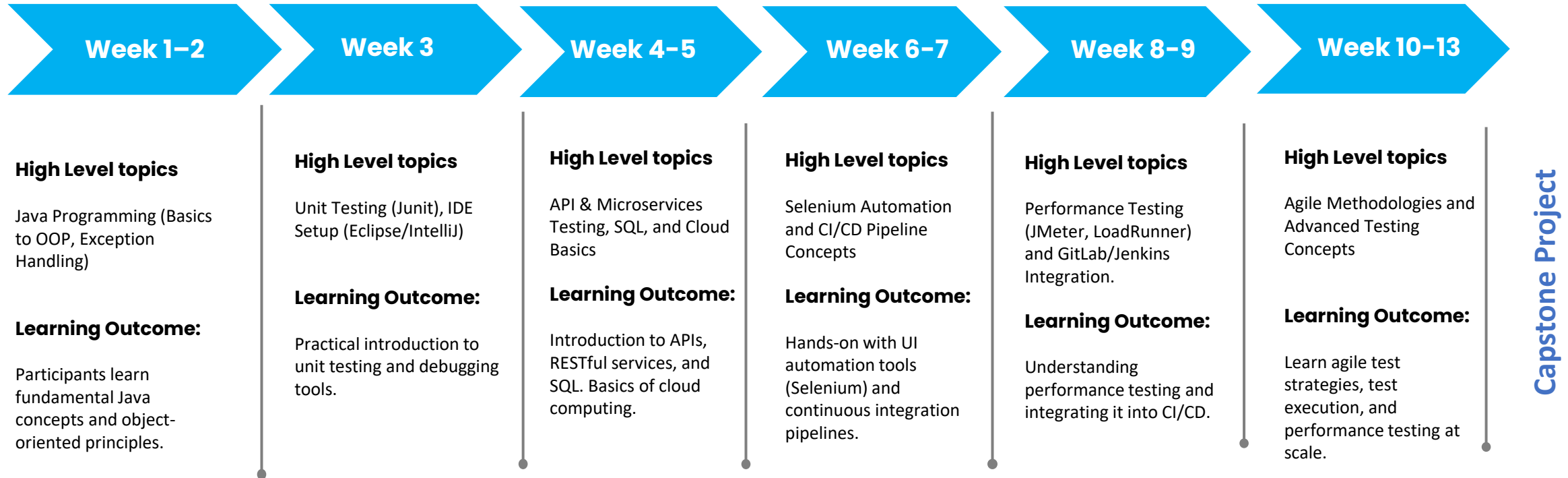
- Agile methodologies
- Overview of Pod Model

Milestone 5

- Performance testing-Jmeter
- Load Runner

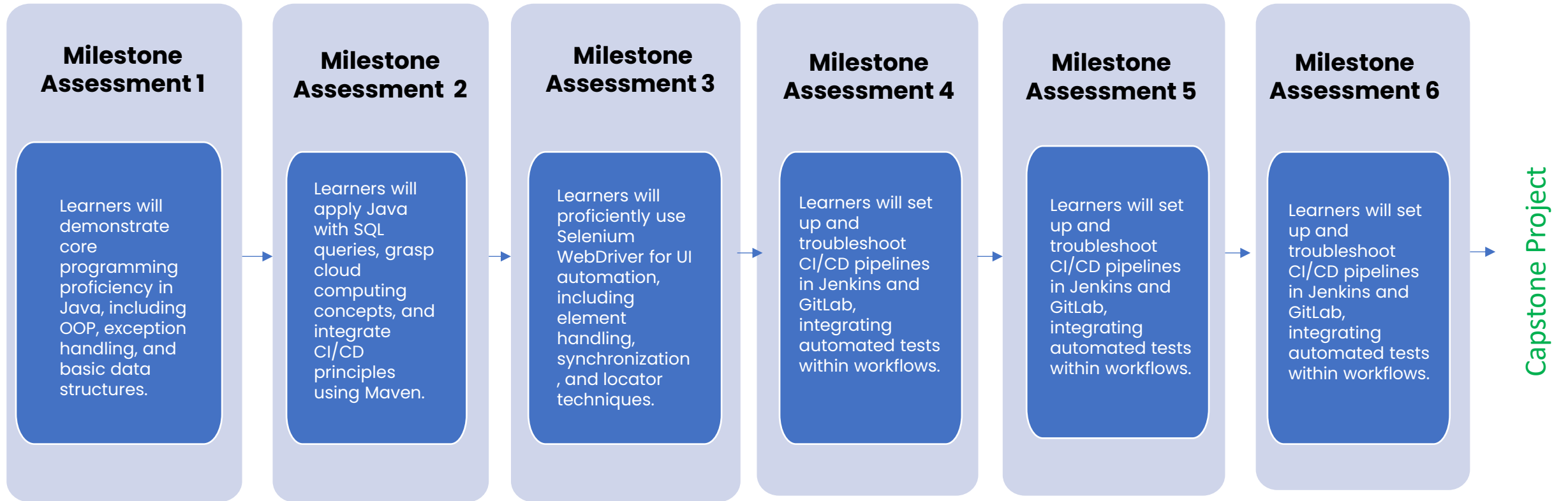
Milestone 6

Our Approach



Note- 6 Auto graded Milestone Assessment and Capstone embedded in the learning journey

Milestones Approach



Syncing VILT Sessions with Digital Content



1. Integrated VILT Scheduling

1. VILT sessions will be scheduled within the platform using a dedicated Mentor Connect placeholder.
2. Learners can seamlessly join the sessions directly from the platform.

1. Trainer Access to Learning Path

1. Trainers will have access to the entire digital learning path, ensuring alignment with the digital content.
2. This allows trainers to plan their sessions in sync with pre-existing course materials.

1. Filling the Gaps

1. Topics not covered in digital content will be addressed through live sessions conducted by the trainer.
2. Ensures a comprehensive learning experience with both self-paced and instructor-led learning.

1. Enhanced Learner Engagement

1. Combines structured digital content with interactive live mentoring.
2. Provides learners with real-time guidance, Q&A, and hands-on discussions.

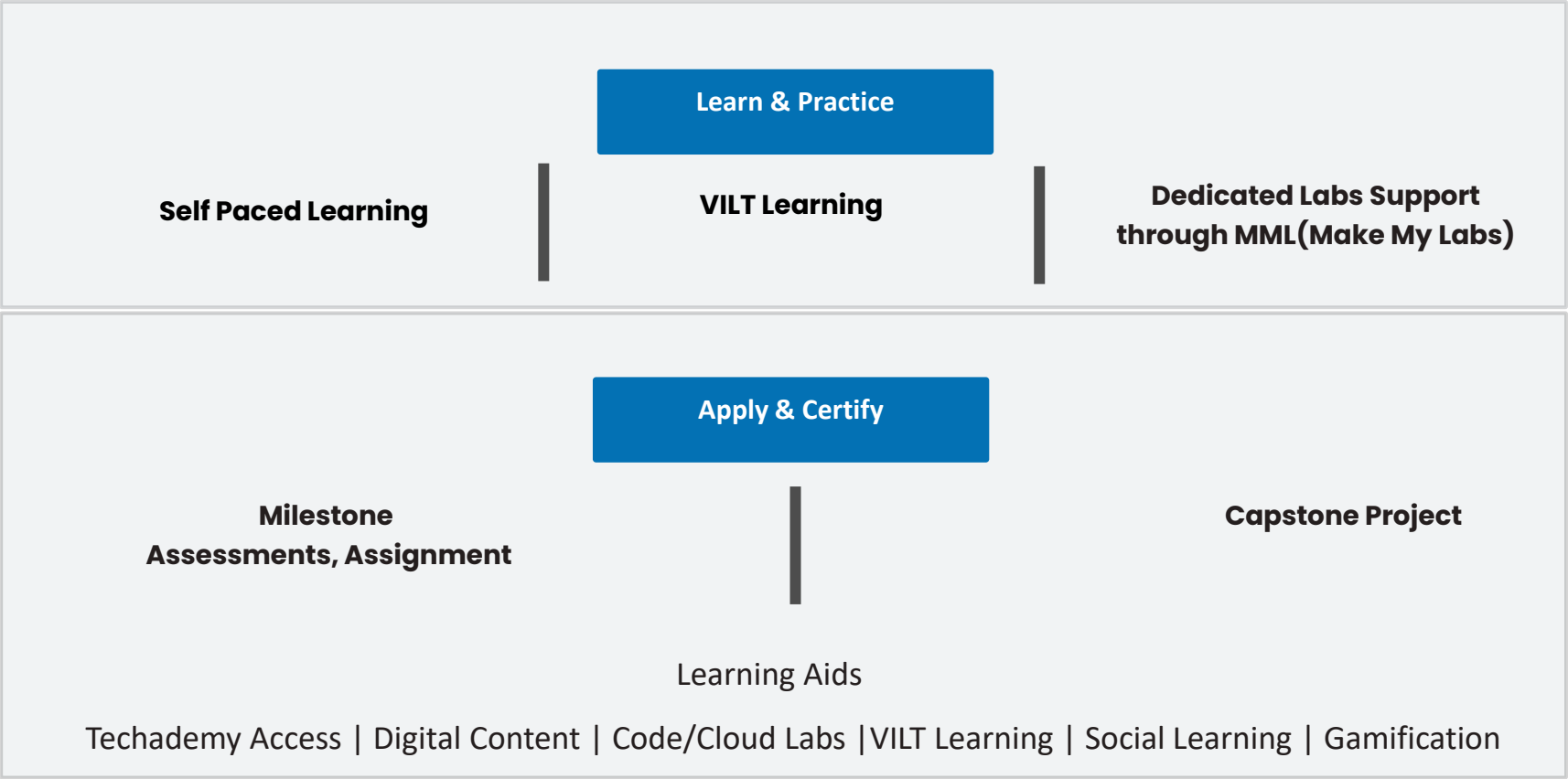
Program Elements



Blended learning Approach



Microsoft Edge
PDF Document



Note: The aforementioned parameters can be aligned to the client goals.

Program Outcomes (ROI for the Organization)



- **Increased Efficiency:** Faster test execution and reduced manual efforts, leading to quicker time-to-market and enhanced throughput.
- **Improved Quality:** Early bug detection through automation, reducing post-production defects and ensuring higher product quality.
- **Cost Savings:** Reduced reliance on manual testing, resulting in long-term cost optimization in testing processes.
- **Scalable Growth:** Training enables teams to scale testing efforts and adapt to evolving technologies, fostering a future-ready workforce.
- **Better Client Outcomes:** Consistently delivering high-quality products on time, enhancing client satisfaction and retention.
- **Strategic Competitive Edge:** Building a skilled testing team drives innovation, efficiency, and competitiveness in the software development and testing landscape.

Program Outcomes (For Individual)



- **Enhanced Skillset & Expertise** – Acquire advanced automation testing, CI/CD, and cloud skills, aligning with Cognizant's commitment to cutting-edge technology solutions.
- **Career Advancement** – Open doors to higher roles such as SDET Lead, Automation Specialist, driving internal growth at Cognizant.
- **Increased Efficiency & Productivity** – Master tools like Selenium, Jenkins, and Postman, enabling faster, more efficient software testing and reducing time-to-market for projects.
- **Competitive Edge in Internal Projects** – With the latest technical skills, become a key player in delivering high-quality, scalable solutions to clients.
- **Stronger Contribution to Cognizant's Success** – By implementing industry best practices, you'll elevate team performance and help deliver innovative, robust products to clients

Program Governance (Success Metrics)



- **Governance Mechanisms**
 - **Touchpoints and Engagement:** Regular interactions with stakeholders through **weekly check-ins**, ensuring alignment with program goals and addressing any evolving challenges.
- **Feedback Loops**
 - **Real-Time Feedback:** Continue gathering feedback from both participants and stakeholders during the program. Expand this by including **post-session surveys** for immediate insights into each session.
 - **Actionable Adjustments:** Incorporate a **mid-program review** session to address feedback and course-correct if necessary, in addition to continuous real-time changes.
- **Progress Monitoring and Performance Metrics**
 - **KPI Tracking:** Track not only skill proficiency but also **candidate readiness for recruitment**, ensuring that learning translates into practical outcomes.

Thank You

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