Introducing our new Level 5 Diploma in Web Application Development

15th October 2020

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What we'll cover today

- Scene setting

- Digital landscape

- Explore the technology

- Dive into the qualification

- How this works operationally
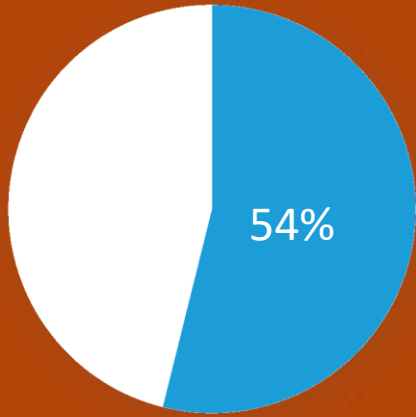
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L5 Diploma In Web Application Development

- Based on a successful industry led commercial coding course

- Finance was a barrier for learners

- Regulated qualifications expected in our marketplace
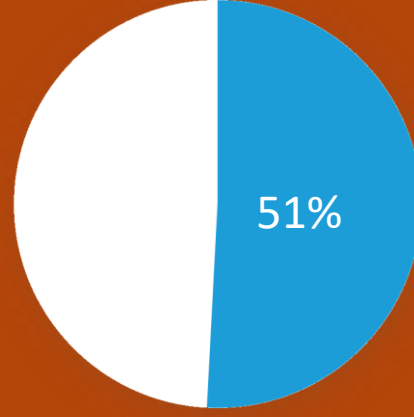
- A total solution for our centres

The Global Digital & Technology Skills Shortage

54%

29%

51%

4.3 M

$449.7 B

Over half (54%) of the organisations agreed that the digital talent gap is hampering their digital transformation programs.
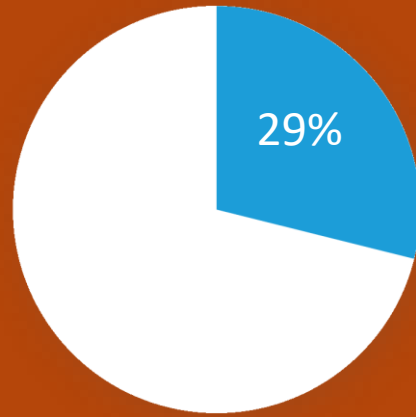
Overall, 29% of employees believe their skill set is redundant now or will be in the next 1–2 years.

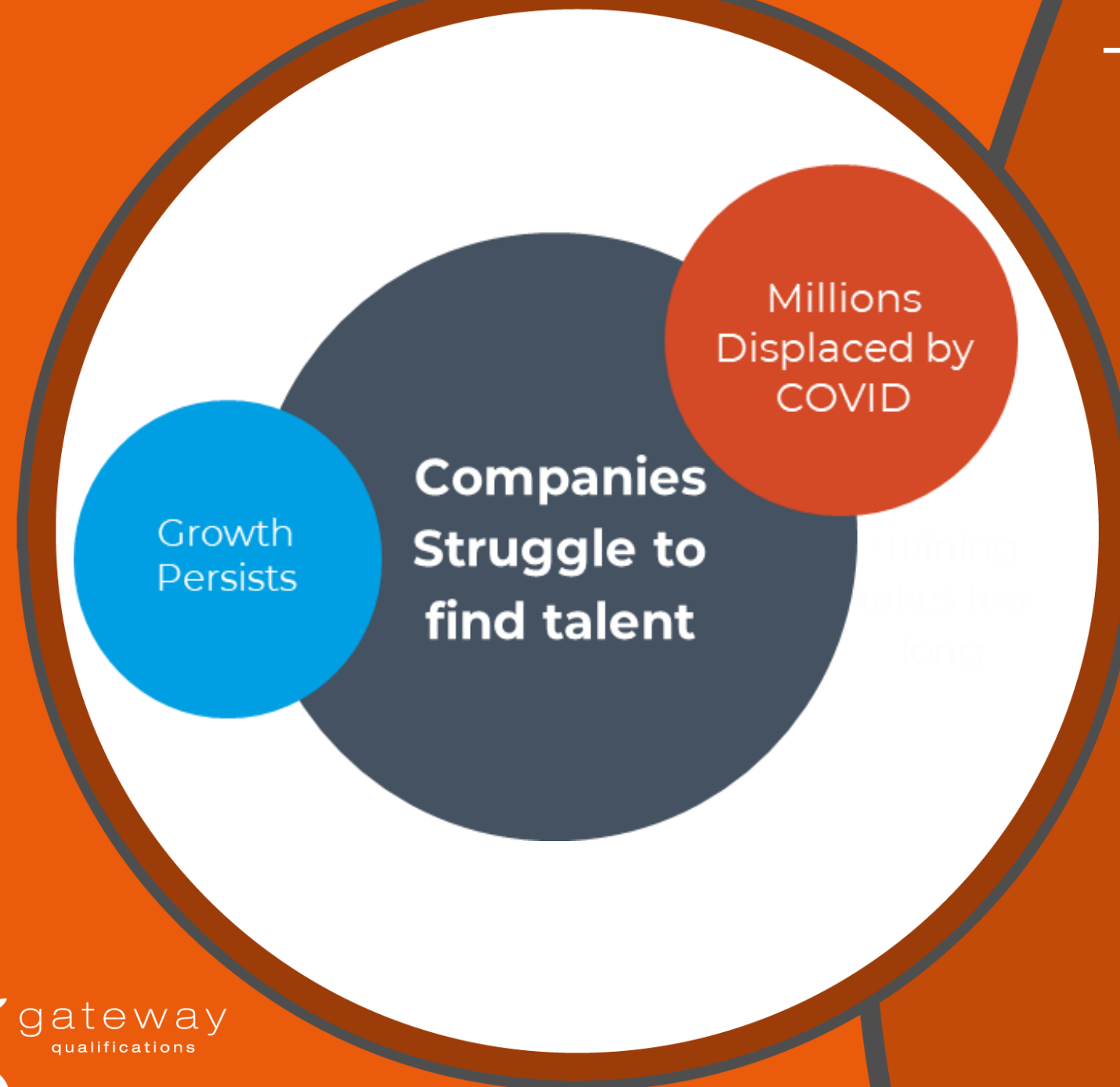51% of employees lack hard digital skills (globally).

It's estimated that by 2030, technology, media and telecommunications (TMT) industries will be faced with a global skills gap of 4.3 million people.

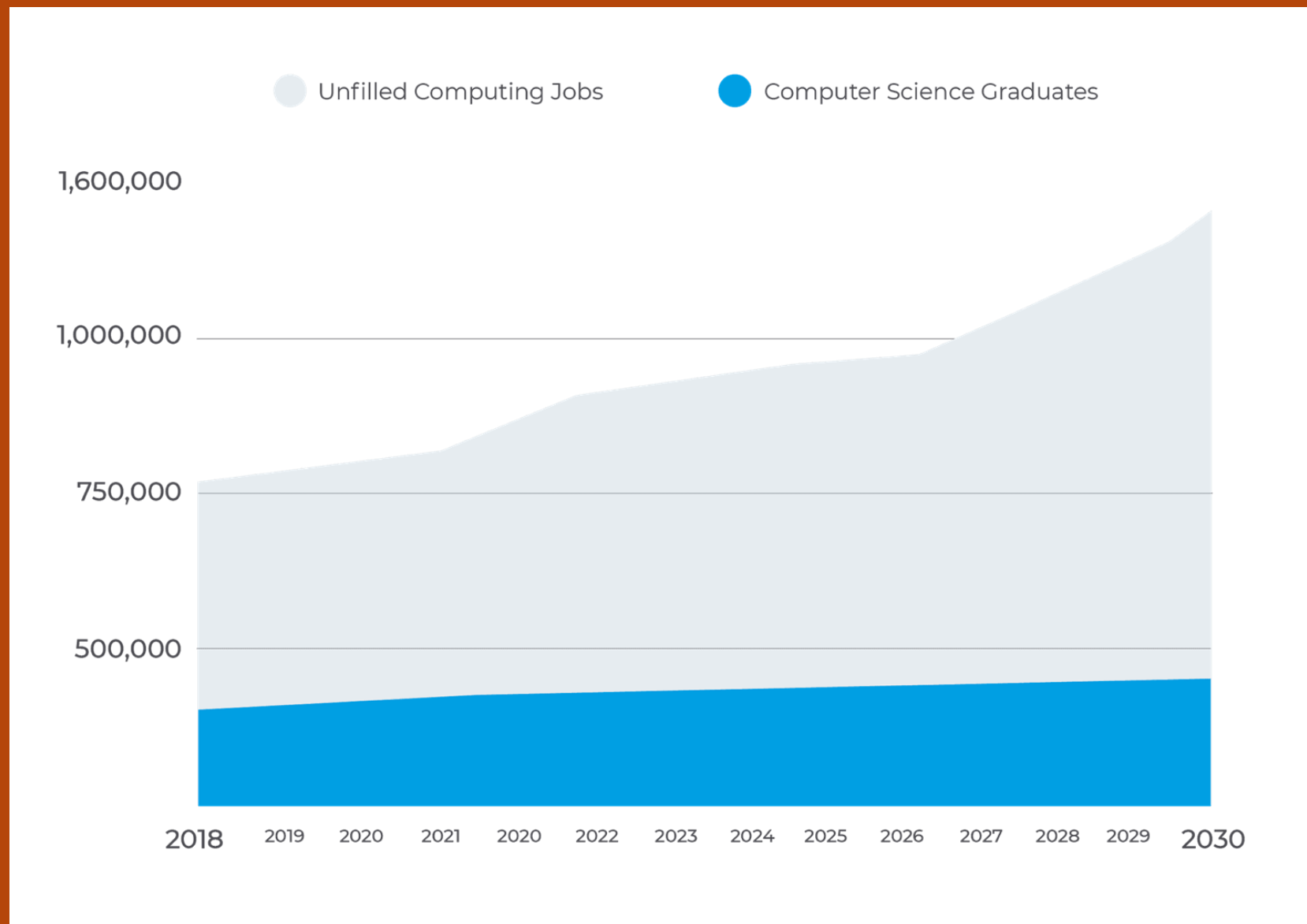In total, these shortages are predicted to cost the TMT industries $449.7 billion in unrealised revenue.

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Capgemini, Linkedin - The Digital Talent Gap
These Industries Will Face the Biggest Talent Shortages by 2030

The UK landscape

Growth Persists

Companies Struggle to find talent

Millions Displaced by COVID

- 7.6 million jobs displaced by CV-19
- 9/10 organisations have a digital skills gap
- £74,000 average salary for developers in 2020
- Despite CV-19 and Brexit the tech sector is expected to grow by 13%
- Software developers and engineers are most in demand digital job worldwide

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Coding Industry

Across Europe there are an ever-increasing number of jobs in software development, however, traditional 3/4 year computer science programmes cannot meet the demand.

Unfilled Computing Jobs   Computer Science Graduates

1,600,000

1,000,000

750,000

500,000

2018 2019 2020 2021 2020 2022 2023 2024 2025 2026 2027 2028 2029 2030

Poll

What are your biggest challenges in meeting these needs?

- Recruiting learners
- Lack of access to up to date, high quality teaching material
- Skills and experience of staff
- Identifying employment opportunities in the region
- Something else (specify in comments)

Please expand your choice in the comments

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Code Institute services for our Centres

- Marketing to support learner recruitment
- Coding challenge
- Train the trainer
- Multi-platform LMS with all learning content
- Integrated development environment and host environment as practice hub and assessment environment
- Out of hours remote academic support to learners
- Diagnostics
- And much more…

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Providing high quality technology and learner centric solutions to Gateway Qualifications centres to support the delivery of the:

Level 5 Diploma in
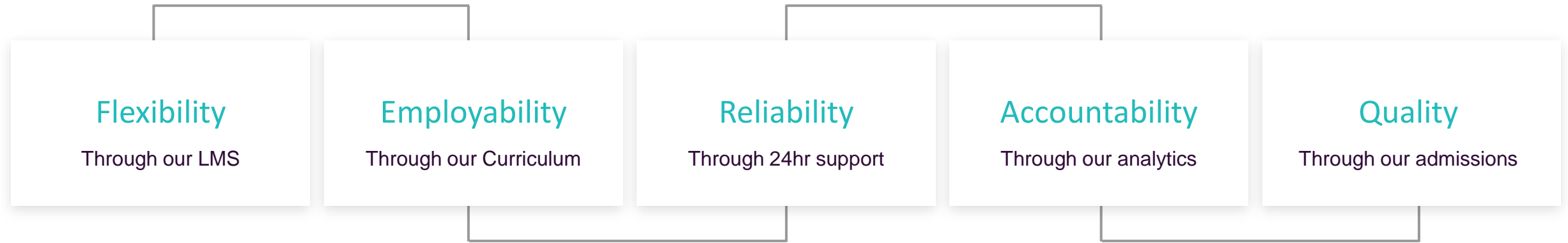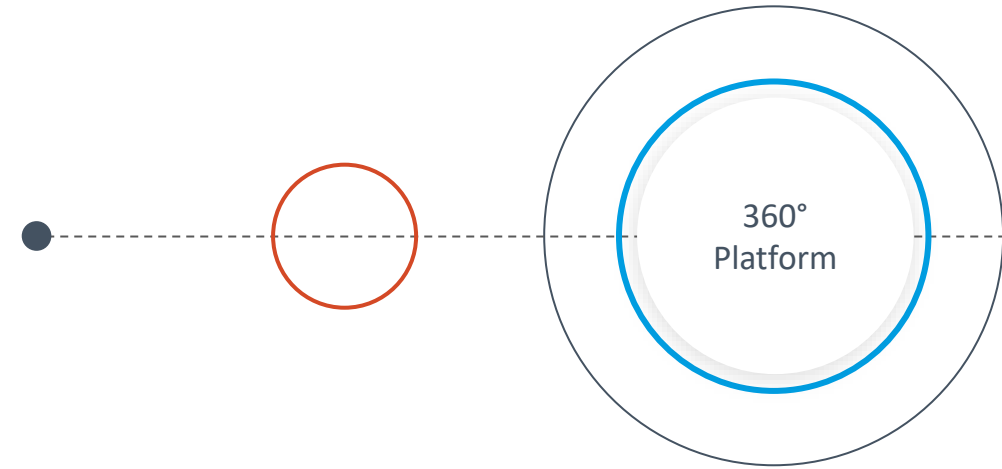Web Application Development

Introduction

Lee Lindsay
Channel Account Manager

Focussed on developing academic partnerships within the further and higher education spaces for Code Institute
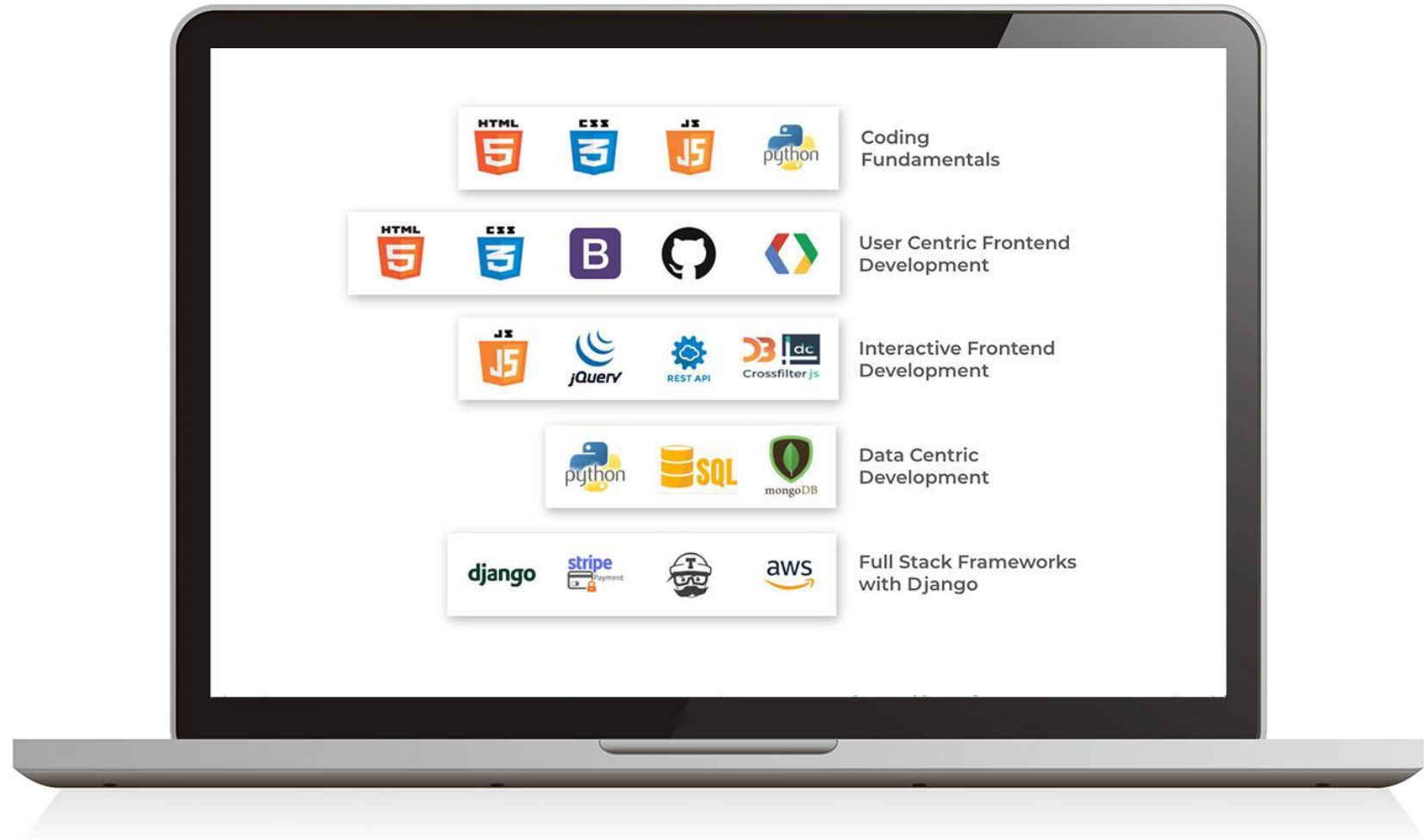
Why Code Institute?

360°
Platform

Flexibility	Employability	Reliability	Accountability	Quality
Through our LMS	Through our Curriculum	Through 24hr support	Through our analytics	Through our admissions

We are committed to helping centres facilitate learner success providing extended support and resources to ensure that graduates have the skills needed to succeed in today's digital market.

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The LMS content consists of:

- 750 hours of learning content

- 10 Modules

- Suitability Assessment Programme

- 10 Industry-Grade Portfolio Projects

- 500+ Interactive Coding Challenges

- Gamification

- World-Class Online Learning Platform

- Employer Ecosystem

- Community Hackathons

- Train-The-Trainer Materials

Employability Through an Industry Led Syllabus

accenture

PayPal

cpl.

Microsoft

Capgemini

gsk

DCU

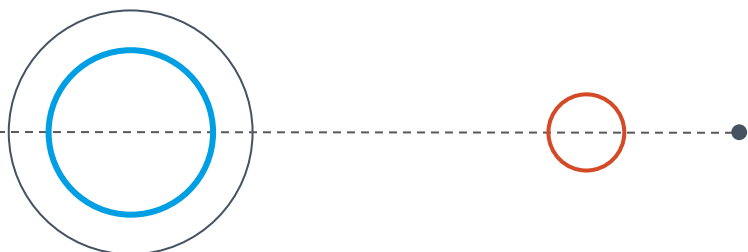MORGAN McKINLEY
— GO BEYOND —

INTERCOM

JOBBIO

salesforce

WorkJuggle

Red Hat

VUSION
A TRIMBLE COMPANY

cartrawler

code
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Reliability Through Our Academic Support

Slack
Multi channel messaging forum for peer-to-peer support across all aspects of coding, software development and learner networking.

Learner Care
Fortnightly phone check-ins to ensure the learner is happy with content and support level.

Train the Trainer
We make it easy for your centre to get up and running by helping your instructors familiarise themselves with the tools and resources in the platform.

24hr Tutoring
One-to-one priority support to assist with day-to-day learning issues.

Education Support

Schedule Generation
The programme length can be customised to meet your centre's delivery requirements - whether that is 16 weeks or 36 weeks.

Learner Management
Our proprietary Active Management of learners software tracks learner progress, velocity and engagement and triggers support intervention if necessary.

Career Services
Advice on resumé, portfolio and technical interview preparation.

Portfolio Development
Guidance on the development of the four mandatory portfolio projects.

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# Analytical Monitoring of Online Learners

Our proprietary analytics tool gives our Learning Success & Learner Care teams real-time progress metrics to identify any at-risk learners and rectify problems before escalation. You also have access to your learner metrics, giving you full oversight of their progress.
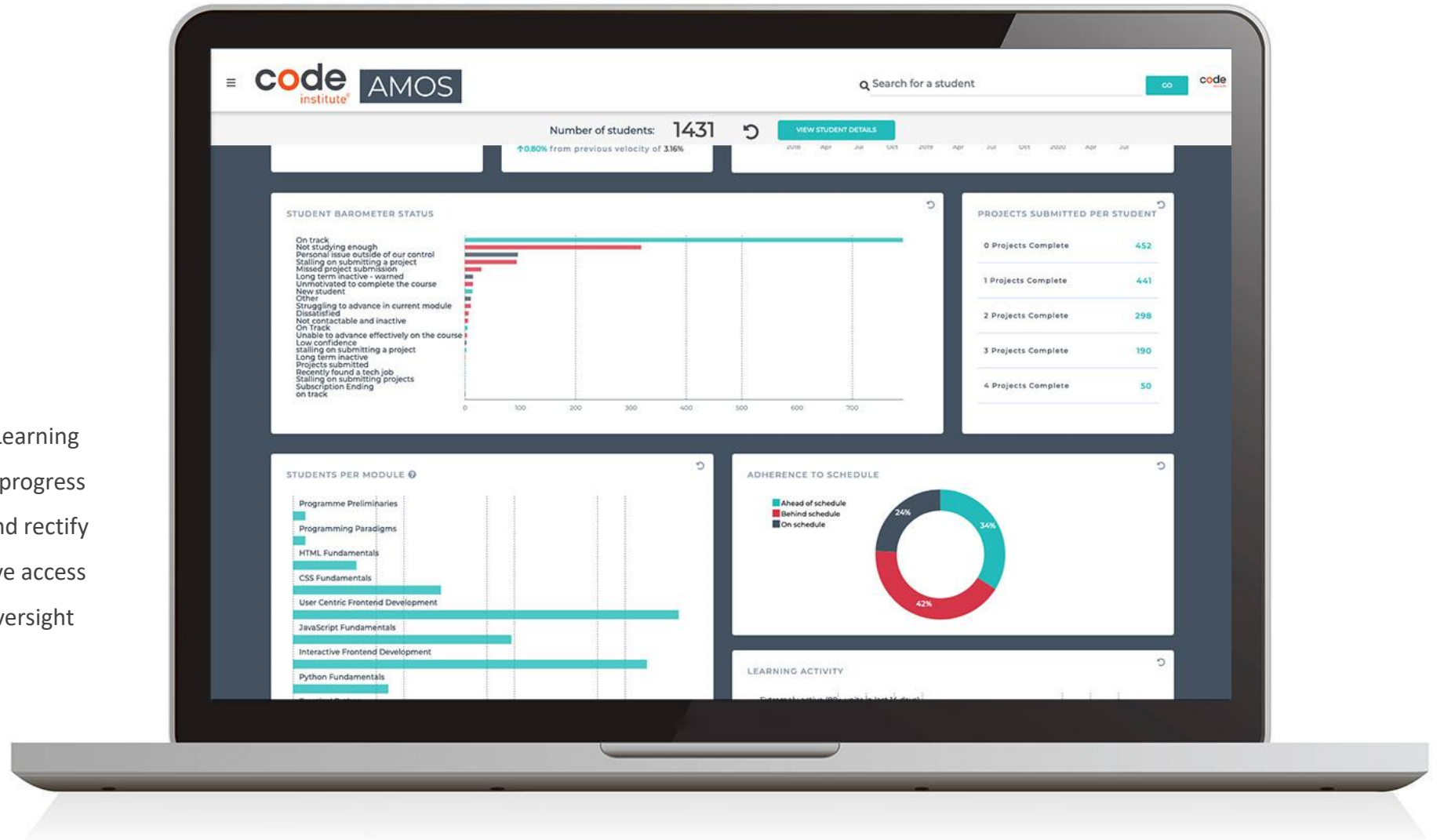
Quality Through Learner Qualification

The coding challenge is an excellent predictor of learner success. It also sets learner expectations for the experience ahead of them.
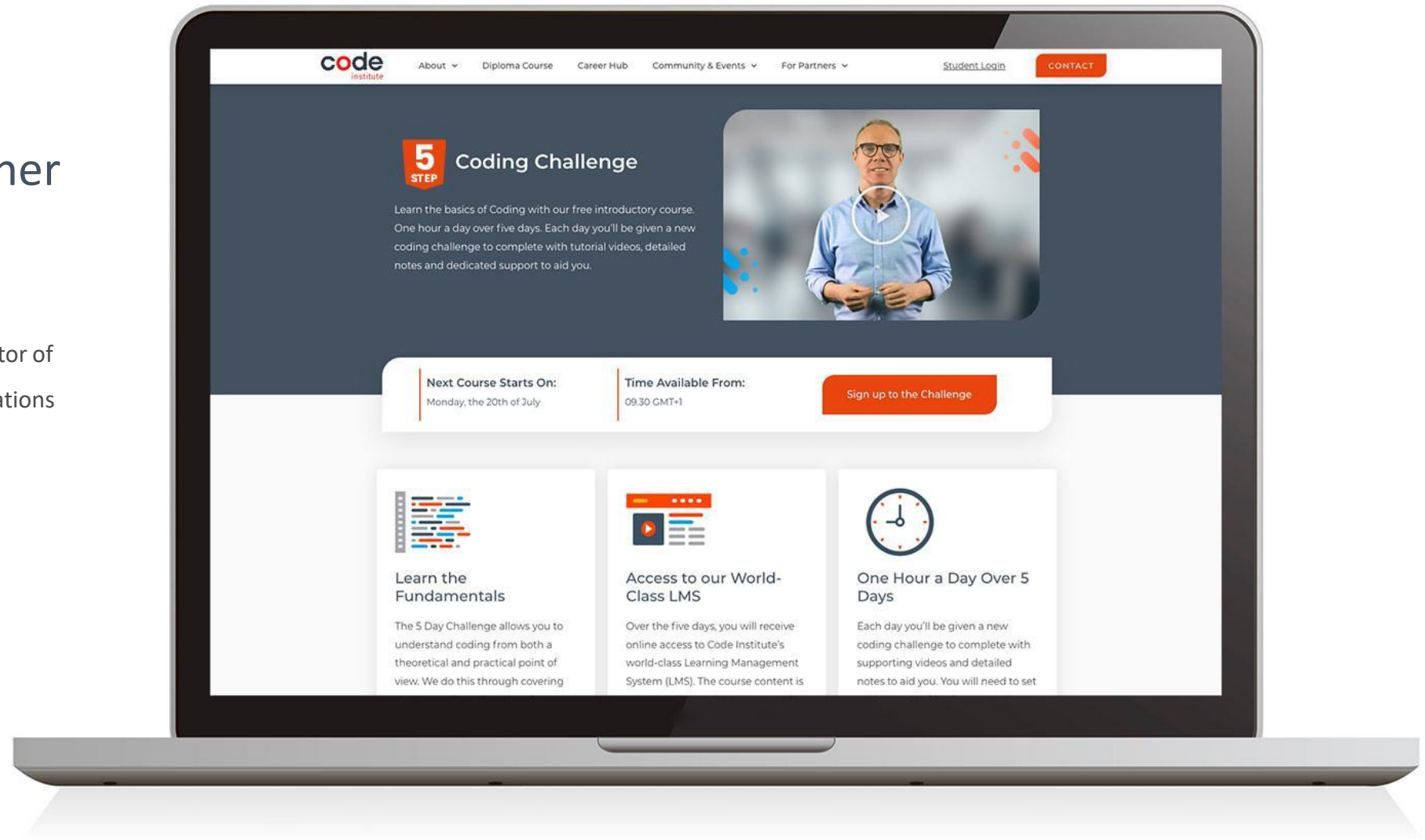
Our Approach

Onboarding
- Train-the-trainer
- Programme Scheduling
- Portal

Delivery & QA
- Always-on LMS
- 24hr Academic Support
- Classroom/Online/Blended
- AMOS Learner Analytics

Learner Acquisition
- Coding Challenge
- Interviews & Offers

Deliverables
- Employability

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Successful Delivery Has Six Critical Components

Identify suitable learners

Flexible learning options

Analytics to measure progress

Robust learner support
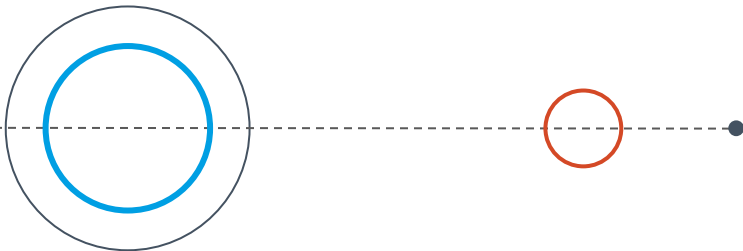
Certification

Employment outcomes

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Poll

Which components are the most appealing when considering delivery?

- Identify suitable learners

- Flexible learning options

- Analytics to measure progress

- Robust learner support

- Employment outcomes

Please expand your choice in the comments

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The Qualification

Karen Scott

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The qualification

- Consists of four graded units
- Project-based portfolio of evidence
- Progressive learning model
- Classroom, blended, online
- Delivered with existing, high quality, online materials supplemented by your input and support

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QUALIFICATION SPECIFICATION

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Web Application Development
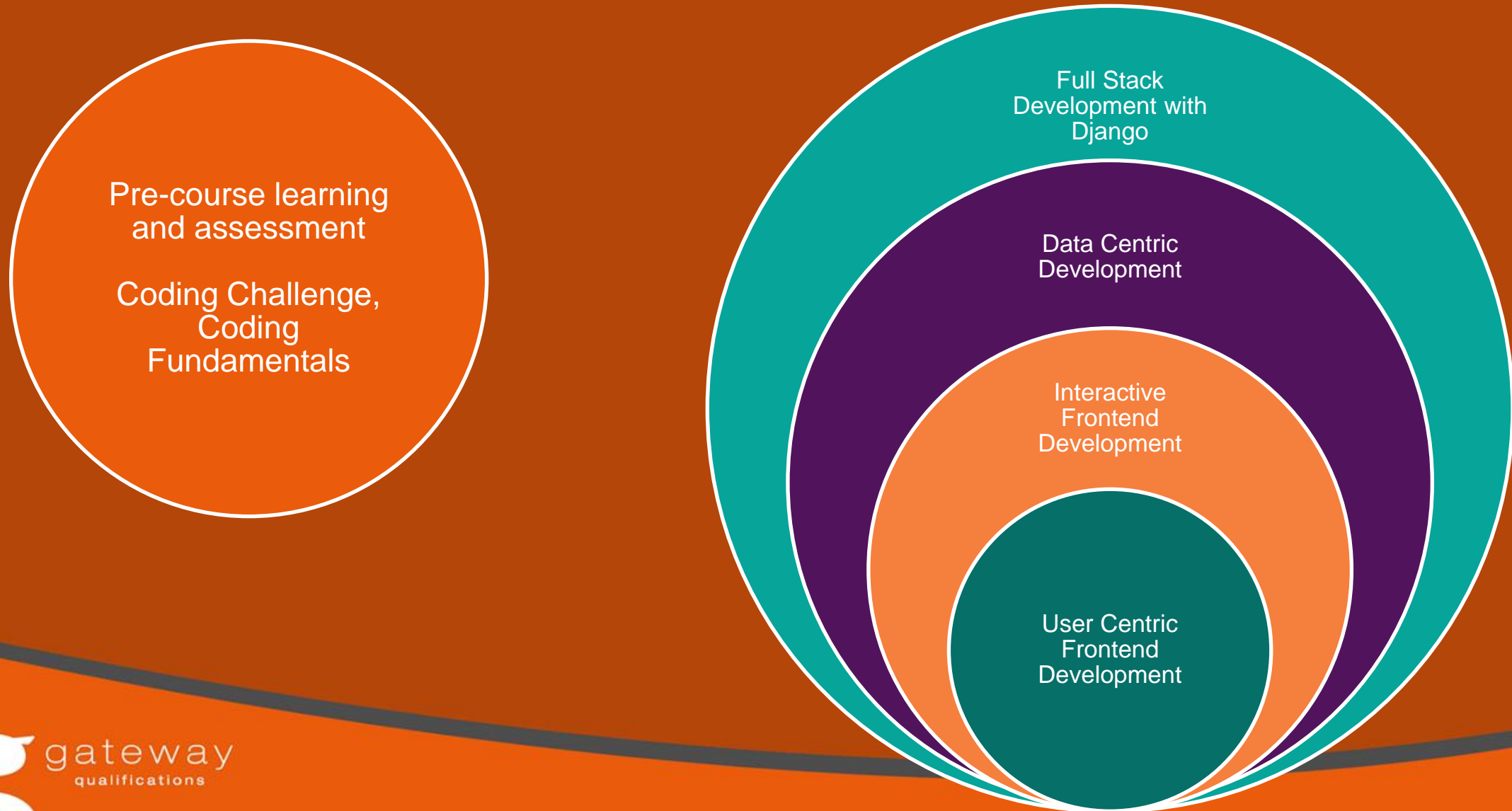Level 5 Diploma

Qualification aims

Knowledge, understanding and skills in designing, developing and testing web-based solutions to a range of information processing problems.

Learners

- May already be working in web development
- May be starting on a new career journey
- Will need some preparation to maximise chances of success

QUALIFICATION SPECIFICATION

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Web Application Development Level 5 Diploma

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Units (four, mandatory, progressive)

Pre-course learning and assessment

Coding Challenge, Coding Fundamentals

Full Stack Development with Django

Data Centric Development

Interactive Frontend Development

User Centric Frontend Development

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Units (mandatory, two frontend, two full-stack)

Unit 1 User Centric Frontend Development Level 5 102 GLH Credits: 12

Build a front end application. Understanding and skills: HTML, CSS, principles of UX design, responsive design, documentation and layout, cloud hosting, version control, use of relevant tools (IDE, HTML/CSS validators, README for documentation).

Unit 2 Interactive Frontend Development Level 5 152 GLH Credits: 16

Build an interactive front end application. Understanding and skills building on those in Module 1, adding: Javascript, principles of coding (variables, operations, selection, repetition, clean code, validation and verification of input data), use of relevant tools (linters, browser developer tools, APIs)

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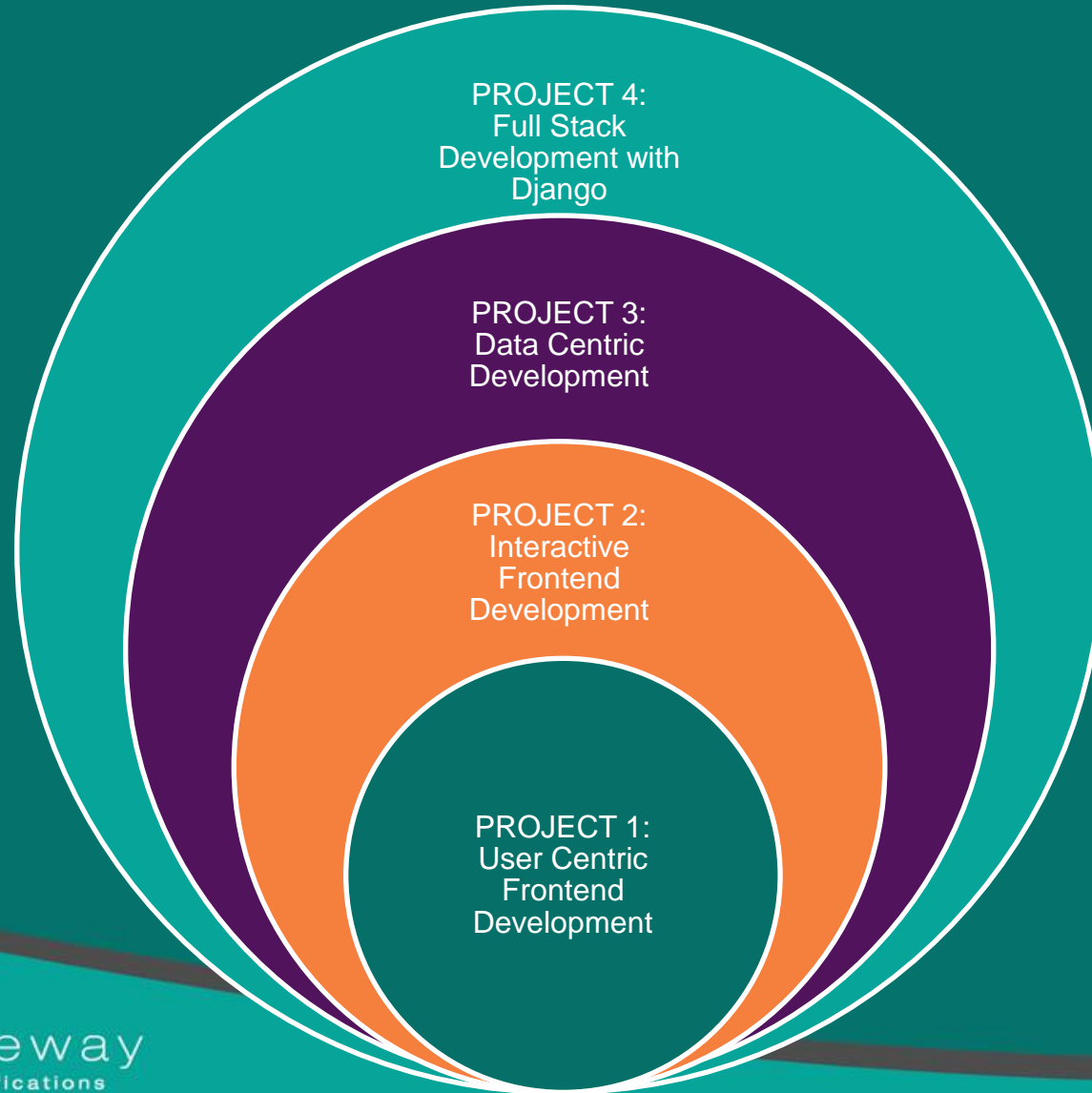# Units (mandatory, two frontend, two full-stack)

Unit 3 Data Centric Development Level 5 153 GLH Credits: 22

Build a back end for a web application using an established framework (e.g. Flask). Understanding and skills again build on those in Module 2, adding: python, python framework (e.g. Flask), data models, relational databases, data manipulation (CRUD functionality), Model-View-Controller pattern, use of relevant tools (full-stack cloud hosting, environment variables, templates)

Unit 4 Full Stack Frameworks with Django Level 6 190 GLH Credits: 25

Build a full stack web application. Understanding and skills building on those in Module 3: python-based, Django framework incorporating APIs, routing, data manipulation, automated testing, user authentication and e-commerce functionality, use of relevant tools (integrations, testing tools)

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Assessment and quality assurance

Assessment and quality assurance

PROJECT 4:
Full Stack
Development with
Django

PROJECT 3:
Data Centric
Development

PROJECT 2:
Interactive
Frontend
Development

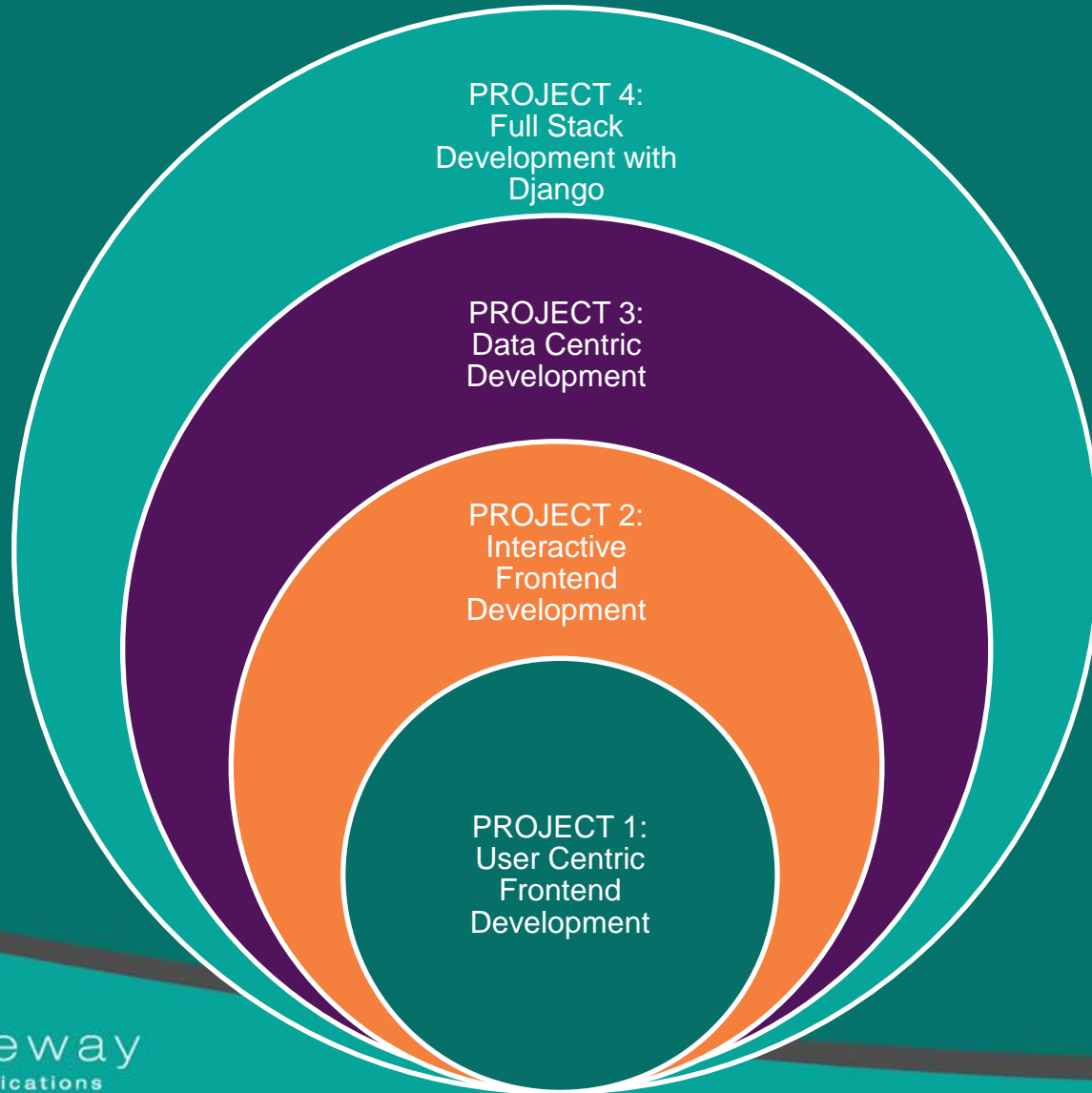PROJECT 1:
User Centric
Frontend
Development

Grading - P/M/D

All learning outcomes for PASS

All LOs plus guidance-based merit LOs for MERIT

Guidance-based DISTINCTION grading decision (professional quality)

Assessment and quality assurance

PROJECT 4:
Full Stack Development with Django

PROJECT 3:
Data Centric Development

PROJECT 2:
Interactive Frontend Development

PROJECT 1:
User Centric Frontend Development
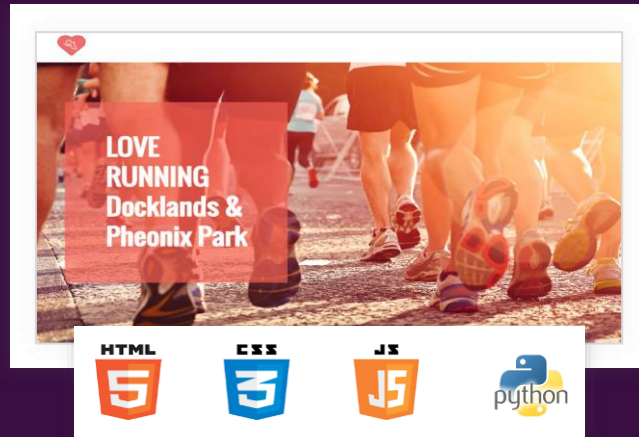
Assessment planning

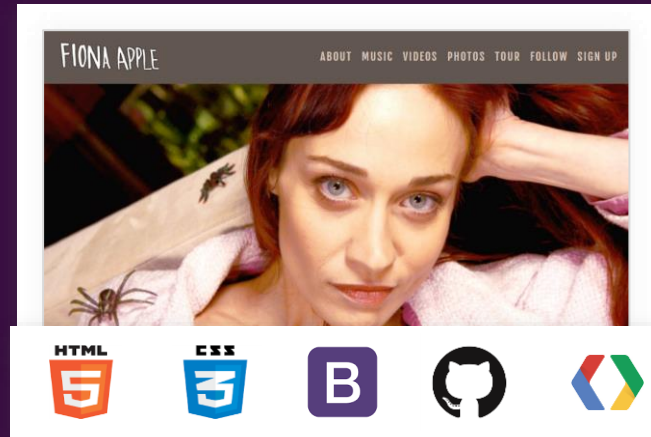Internal standardisation

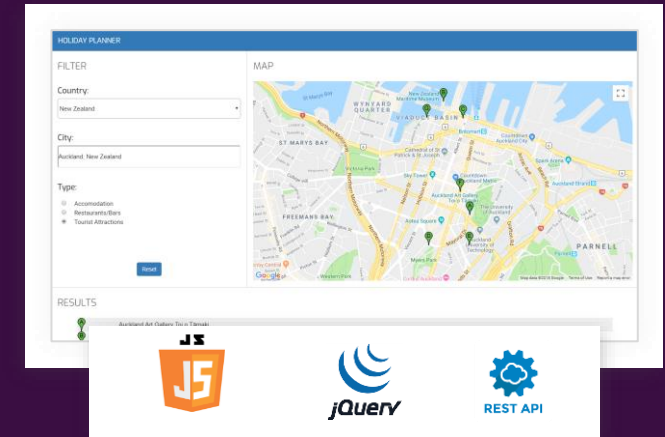Assessment

Grading

Internal QA

External QA

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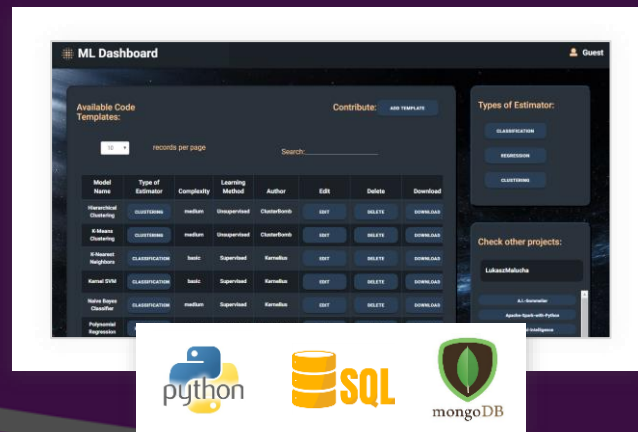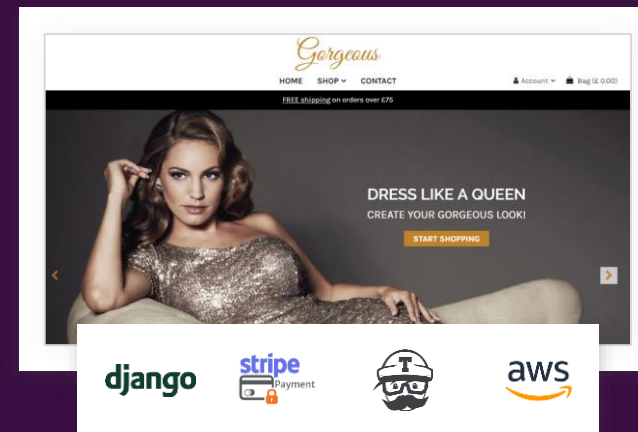
Coding
Fundamentals

User Centric Frontend
Development

Interactive Frontend
Development

Pre-assessment

Tutoring/mentoring
support

Your learning
sessions

Assessment

Data Centric
Development

Frameworks with
Django

Career
development

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Achieving the qualification leads to...

Junior/Associate Full Stack Developer

Junior/Associate Frontend Developer

Junior/Associate Backend Developer

Junior/Associate Software Developer

Junior/Associate QA Engineer

Support Engineer

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Home | **Learning Aims**

Diploma in Web Application Development

Level:	5 - Level 5
Learning Aim ref:	60355748
Awarding Org:	GATEWAY - Gateway Qualifications Limited
Teaching year:	2020/2021 ⌄
Learning Aim type:	0006 - Diploma

Modify search

Key details	**Funding**	Frameworks	Other information	Category	Standards

View ☑ All   ☑ Advanced Learner Loan   ☑ Other

Filter view

Advanced Learner Loan   Back to top

Last date for new start: 31/07/2021   **Start date:** 01/03/2020   **End date:** 31/07/2024   **Created date:** 06/05/2020   **Modified date:** 06/05/2020

Category	Effective From	Effective To	Programme Weighting	Values Desc.	Maximum value £
Matrix	01/05/2020	31/07/2023	C	WEIGHTED RATE	5421
Matrix	01/05/2020	31/07/2023	C	UNWEIGHTED RATE	4170

Other   Back to top

Financials

➢ Qualification registration and certification fee - £225

➢ Licence fee for the LMS and platform - £1,985

➢ Learner loan - £5,421

Up to £3,211 to support centre delivery

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Delivery Options

- Range of models
- Flexible schedule
- Easily move between models e.g. in event of local lockdown

Sample Delivery Models

Model	Classroom	Blended	Online
Duration	6-12 months	6-12 months	6-12 months
In Class	Full-time	Part-time	N/A
LMS	Always on Access	Always on Access	Always on Access
Tutor	24 hour support	24 hour support	24 hour support
Mentor	N/A	Yes	Yes

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Poll

How are you most likely deliver in your centre?

- Intensive blended programme

- Intensive classroom programme

- Year long blended programme

- Year long classroom programme

- Fully online

Please expand your choice in the comments

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Gateway Qualifications Level 5 Diploma in Web Application Development

Qualification Overview	Structure & Unit Details	Additional Information	Funding	Support Materials

Key Facts

Level: Level 5	**Subject Sector:** 6.1 ICT Practitioners
Credits: 75	**Qualification No:** 603/5574/8
GLH: 597 hours	**Total qualification time:** 750 hours
Price: £225.00 per learner	**Age Range:** 19+

Qualification purpose

Prepare for employment

Qualification Grading Type

Pass/Merit/Distinction

Assessment Methods

- Portfolio of Evidence

Next steps

- Register your interest

- A demonstration is arranged

- Continued access to LMS provided following demo

- Qualification application

- Additional terms and conditions to accept

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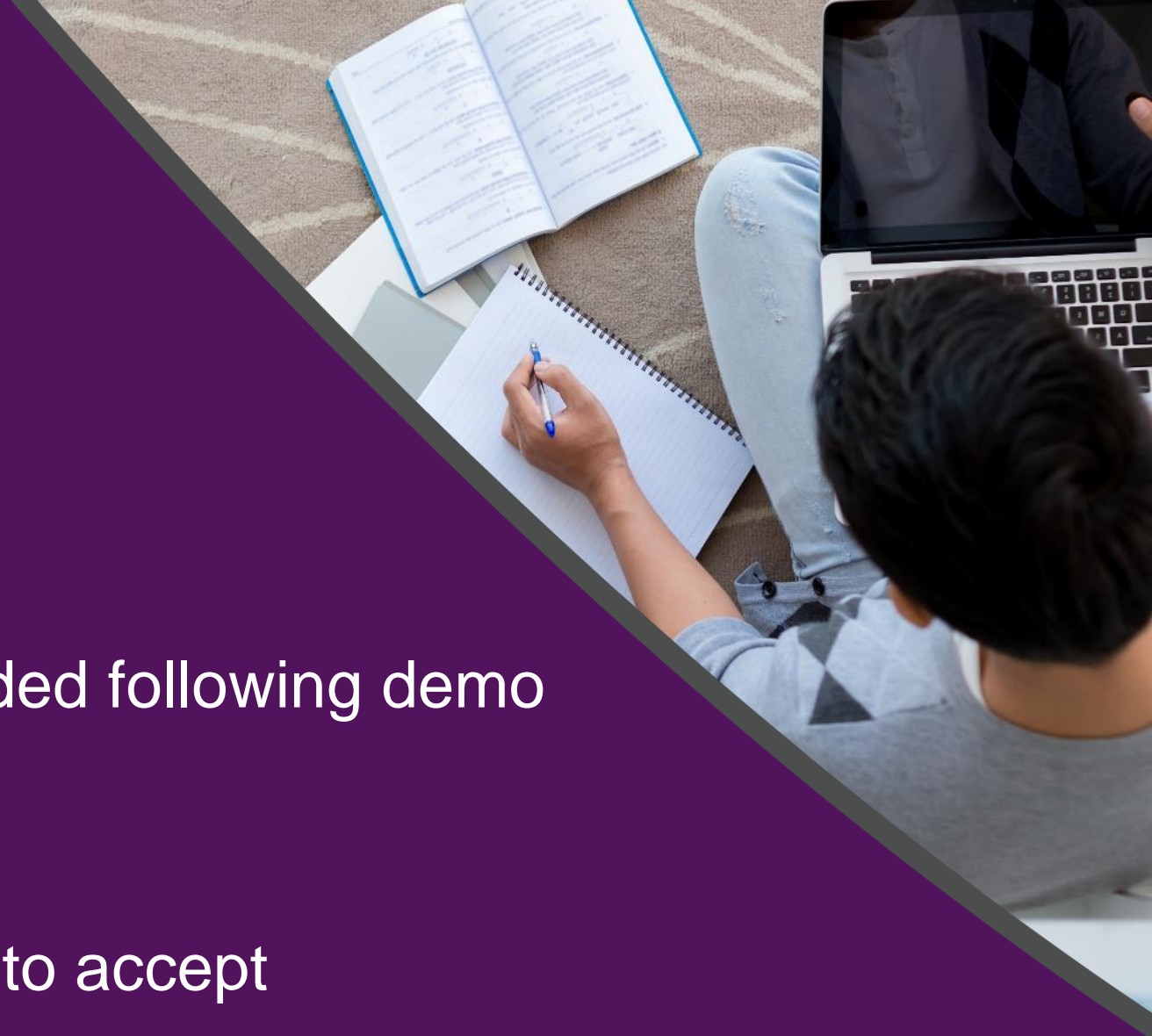
Poll

Would you like a member of the Business Development team to contact you to arrange a complimentary demonstration with Code Institute?

- Yes please
- No thank you

Contact information

🌐 https://www.gatewayqualifications.org.uk/

✉️ enquiries@gatewayqualifications.org.uk

📞 01206 911 211

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