Postgraduate Certificate
Website Engineering and Architecture
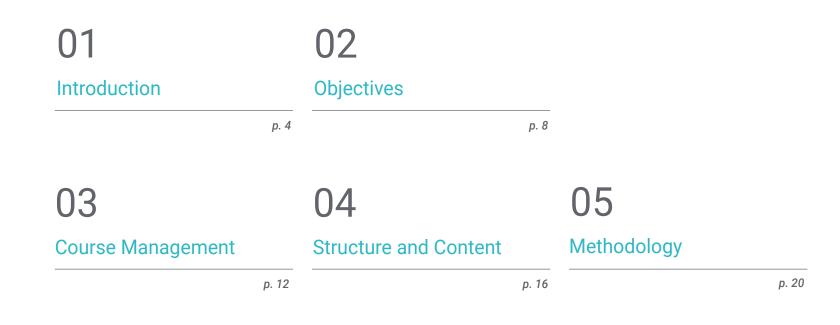
tech global university

Postgraduate Certificate
Website Engineering and Architecture

- » Modality: **online**
- » Duration: **6 weeks**
- » Certificate: **TECH Global University**
- » Accreditation: **6 ECTS**
- » Schedule: **at your own pace**
- » Exams: **online**

Website: **www.techtitute.com/us/information-technology/postgraduate-certificate/website-engineering-architecture**

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01
Introduction

Architecture is the art and technique of projecting, designing and building; and it is present in our lives at different levels, not only in construction. The cataloging and indexing technique of librarianship itself is based on the concepts of architecture, from which web architecture is derived. This intensive program covers the different types of web architecture, their uses and applications. It determines the pillars of web architecture and the importance of each one in the final product, the different stages that make up the web architecture and how to deal with them in order to obtain the desired result.

Succeed with the best and acquire the knowledge and skills you need to embark upon a career in Website Engineering and Architecture"

In the digital world, website architecture is responsible for the organization of all the information on a website so that navigation and content are, on the one hand, easily accessible by the user and on the other, correctly indexed by search engines. Web architecture therefore has a strong relationship with both UX and SEO.

This high level program analyzes the intrinsic relationship of web architecture with user experience (UX) and search engine optimization (SEO), allowing students to apply the acquired knowledge to organize and design websites to perfection.

This Postgraduate Certificate has been created by a team of expert teachers with multi-faceted skillsets and a wealth of experience and specialized knowledge in their respective fields. As it is a 100% online program, the student will not have to neglect their personal or professional commitments. Upon completion of the program, students will have updated their knowledge and will be in possession of a highly prestigious Postgraduate Certificate that will allow them to advance personally and professionally.

This **Postgraduate Certificate in Website Engineering and Architecture** contains the most complete and up-to-date educational program on the market. The most important features include:

- The Case studies presented by experts in Website Engineering and Architecture
- Graphic, schematic, and practical contents which provide scientific and practical information on the disciplines that are essential for professional practice
- Practical exercises where the self assessment process can be carried out to improve learning
- A special emphasis on innovative methodologies
- Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- Content that is accessible from any fixed or portable device with an Internet connection

An intensive professional growth program that will allow you to operate in a sector with a growing demand for professionals"

"This Postgraduate Certificate provides a valuable addition to the prior studies of any website engineer seeking high quality, specialized education in Website Engineering and Architecture"

Comprehensive yet focused; this program will provide you with the specific knowledge IT professionals need to compete among the best in the sector.

A comprehensive and highly relevant course for IT professionals, which will allow you to compete among the best in the industry.

The program's teaching staff includes professionals from the sector who pour their work experience into this Postgraduate Certificate program, as well as renowned specialists from leading societies and prestigious universities.

The multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide immersive learning designed for real situations.

This program is designed around Problem-Based Learning, whereby the professional must try to resolve the different professional practice situations that arise during the academic year. For this purpose, the student will be assisted by an innovative interactive video system created by renowned and experienced experts.

02
Objectives

The objective of this program is to train professionals in Website Engineering and Architecture, with the necessary knowledge and skills to perform their work, using the most advanced protocols and techniques in existence. Through a work approach that is fully adaptable to the student, this Postgraduate Certificate will progressively lead them to acquire the skills that will propel them to a superior professional level. A unique program designed by professionals with extensive experience in the sector.

" A complete and cutting edge program that will allow you to progressively and completely acquire the knowledge you need to work in this sector"
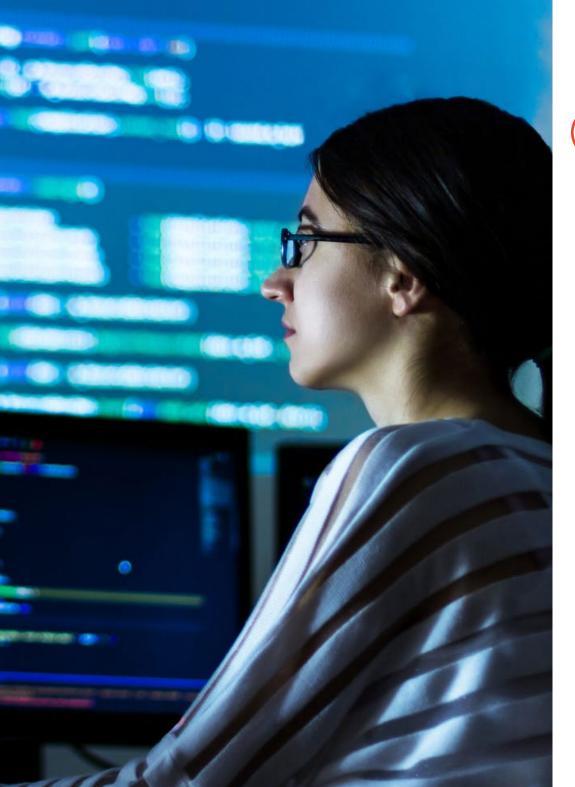
General Objectives

- Examine web architecture, fitting it into the context of web and application development
- Generate specialized knowledge on the creation of web architecture and its implication in the success of the project
- Analyze the types and phases of web architecture, their advantages and applications
- Establish the relationship between web architecture and other web development phases and SEO processes

All the subjects and areas of knowledge have been compiled in a complete and up to date syllabus, in order to bring the student to the highest theoretical and practical level"

Specific Objectives

- Assess the origin of web architecture and its role in website development
- Examine the three pillars of web architecture to recognize the importance of each when designing and building web projects
- Explore the different types of web architecture, their advantages and suitability
- Evaluate the stages that make up the web architecture, the correlation between them and their development
- Optimize the relationship between web architecture and user experience and the relationship between web architecture and SEO
- Analyze browsing and content organization prior to the modeling phase

03

Course Management

In line with its maxim of offering an elite education for all, TECH counts on renowned professionals so that the student acquires a solid base of knowledge in Website Engineering and Architecture. This Postgraduate Certificate has a highly qualified team with extensive experience in the sector, who will offer the best tools for students to develop their skills during the program. In this way, students have the guarantees they need to specialise at an international level in a booming sector that will catapult them to professional success.

Deepen your knowledge in the field of computer technologies by incorporating the most advanced aspects of this area of work"

Management

Mr. Gris Ramos, Alejandro

- Technical Engineer in Computer Management
- CEO & Founder of Club de Talentos
- CEO Persatrace, Online Marketing Agency
- Business Development Director at Alenda Golf
- Director of PI Study Center
- Director of the Web Applications Engineering Department at Brilogic
- Web Programmer at Grupo Ibergest
- Software/Web Programmer at Reebok Spain
- Technical Engineer in Computer Management
- Master's Degree in Digital Teaching and Learning, Tech Education
- Master's Degree in High Abilities and Inclusive Education
- Master's Degree in E-Commerce
- Specialist in Latest Technologies Applied to Teaching, Digital Marketing, Web Applications and Internet Business Development

04
Structure and Content

The syllabus has been designed based on educational efficiency, carefully selecting the contents to offer a comprehensive course, which includes all the fields of study that are essential to achieve real knowledge of the subject. Including the latest updates and aspects of the field. Thus, a program has been established with modules that offer a broad overview of Website Engineering and Architecture. From the first module students will see their knowledge expanding, which will enable them to develop professionally, knowing that they can count on the support of a team of experts.

A high quality Postgraduate Certificate that will allow the student to advance quickly and steadily in the acquisition of knowledge, with the scientific rigor of world class teaching"

Module 1. Website Engineering and Architecture

A unique program that stands out due to the quality of its contents and its excellent teaching staff"

05
Methodology

This academic program offers students a different way of learning. Our methodology uses a cyclical learning approach: **Relearning.**

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.

Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"

Case Study to contextualize all content

Our program offers a revolutionary approach to developing skills and knowledge. Our goal is to strengthen skills in a changing, competitive, and highly demanding environment.

" *At TECH, you will experience a learning methodology that is shaking the foundations of traditional universities around the world"*

You will have access to a learning system based on repetition, with natural and progressive teaching throughout the entire syllabus.

The student will learn to solve complex situations in real business environments through collaborative activities and real cases.

A learning method that is different and innovative

This TECH program is an intensive educational program, created from scratch, which presents the most demanding challenges and decisions in this field, both nationally and internationally. This methodology promotes personal and professional growth, representing a significant step towards success. The case method, a technique that lays the foundation for this content, ensures that the most current economic, social and professional reality is taken into account.

> *Our program prepares you to face new challenges in uncertain environments and achieve success in your career"*

The case method has been the most widely used learning system among the world's leading Information Technology schools for as long as they have existed. The case method was developed in 1912 so that law students would not only learn the law based on theoretical content. It consisted of presenting students with real-life, complex situations for them to make informed decisions and value judgments on how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

What should a professional do in a given situation? This is the question that you are presented with in the case method, an action-oriented learning method. Throughout the course, students will be presented with multiple real cases. They will have to combine all their knowledge and research, and argue and defend their ideas and decisions.

Relearning Methodology

TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines different teaching elements in each lesson.

We enhance the Case Study with the best 100% online teaching method: Relearning.

In 2019, we obtained the best learning results of all online universities in the world.

At TECH you will learn using a cutting-edge methodology designed to train the executives of the future. This method, at the forefront of international teaching, is called Relearning.

Our university is the only one in the world authorized to employ this successful method. In 2019, we managed to improve our students' overall satisfaction levels (teaching quality, quality of materials, course structure, objectives...) based on the best online university indicators.

01 learning from evidence

02 relearning from evidence

03 testing

04 learning from an expert

05 neurocognitive context dependent learning

06 Von-Restorff effect

07 case based learning through storytelling

08 competencies testing (retesting)

In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically. This methodology has trained more than 650,000 university graduates with unprecedented success in fields as diverse as biochemistry, genetics, surgery, international law, management skills, sports science, philosophy, law, engineering, journalism, history, and financial markets and instruments. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

Relearning will allow you to learn with less effort and better performance, involving you more in your training, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation for success.

From the latest scientific evidence in the field of neuroscience, not only do we know how to organize information, ideas, images and memories, but we know that the place and context where we have learned something is fundamental for us to be able to remember it and store it in the hippocampus, to retain it in our long-term memory.

In this way, and in what is called neurocognitive context-dependent e-learning, the different elements in our program are connected to the context where the individual carries out their professional activity.

This program offers the best educational material, prepared with professionals in mind:

Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.

Classes

There is scientific evidence suggesting that observing third-party experts can be useful.

Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.

Practising Skills and Abilities

They will carry out activities to develop specific skills and abilities in each subject area. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop in the context of the globalization that we are experiencing.

Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.

30%

10%

8%

20%

25%

4%

3%

Case Studies

Students will complete a selection of the best case studies chosen specifically for this program. Cases that are presented, analyzed, and supervised by the best specialists in the world.

Interactive Summaries

The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".

Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.

Certificate

The Postgraduate Certificate in Website Engineering and Architecture guarantees students, in addition to the most rigorous and up to date education, access to a qualification issued by TECH Global University.

Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork"

This private qualification will allow you to obtain an **Postgraduate Certificate in Website Engineering and Architecture** endorsed by **TECH Global University**, the world's largest online university.

TECH Global University, is an official European University publicly recognized by the Government of Andorra *(official bulletin)*. Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

This **TECH Global University** private qualification, is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Certificate in Website Engineering and Architecture**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS.**

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tech global university

Mr./Ms. _____, with identification document _____ has successfully passed and obtained the title of:

Postgraduate Certificate in Website Engineering and Architecture

This is a private qualification of 180 hours of duration equivalent to 6 ECTS, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH Global University is a university officially recognized by the Government of Andorra on the 31st of January of 2024, which belongs to the European Higher Education Area (EHEA).

In Andorra la Vella, on the 28th of February of 2024

Dr. Pedro Navarro Illana
Dean

Unique TECH Code: AFWORD23S   techtitute.com/certificates

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*Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH Global University will make the necessary arrangements to obtain it, at an additional cost.

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