Postgraduate Certificate
Users Management
In Web Applications

tech technological university

Postgraduate Certificate
Users Management
in Web Applications

- » Modality: **online**
- » Duration: **6 weeks**
- » Certificate: **TECH Technological University**
- » Dedication: **16h/week**
- » Schedule: **at your own pace**
- » Exams: **online**

Website: **www.techtitute.com/pk/information-technology/postgraduate-certificate/users-management-web-applications**

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01
Introduction

User management has become increasingly important in the field of Web Application development. Currently, the great advances in e-Commerce and, in general, the transformation of the traditional company into a more digital company has increased the need to manage large communities of users. This is why TECH has created this 100% online Postgraduate Certificate, to offer students intensive learning about the management and security of the user who decides to enter, register and benefit from the services of an application. For this, the graduate will have a specialized syllabus developed by experts in Software, Systems and Computing, with an extensive professional background.

Thanks to this Postgraduate Certificate you will improve the user experience and facilitate the work of data storage companies"

Advances in Software as a Service (SaaS) environments, where multiple users (tenants) coexist in the same infrastructure, has caused a great need in digital companies: professionals specialized in User Management, key to achieve success in the field of web applications. An obvious case is that of e-Commerce, which accounts for 20% of retail trade and brings together a number of almost 1/3 of the world's population. With this volume of users, it is not surprising that companies no wonder that companies need an expert in this area.

Thanks to exhaustive and updated contents, the student will deepen in the handling of credentials and encryption tools, without neglecting the personalized user experiences, especially useful in e-Commerce. In this way, the graduate will be able to generate this type of experience, measure its impact through web analysis techniques and monetize the application. In addition, they will delve into the isolation of data and user notifications, including the most innovative techniques and processes for registration, authentication and authorization.

With this degree, the professional will be updated on user monitoring and analytics, with emphasis on the most current procedures, such as Customer Journey or Funnel Analysis, and on the use of cutting-edge tools, such as Google Analytics. Finally, we will examine the current regulations for the correct data management, such as the European General Data Protection Regulation (GDPR), in a quick and easy way thanks to high-quality multimedia content.

This 100% online university degree allows the student to choose where, when and how to take on the course load. You will be able to study comfortably from home, with no on-site classes or fixed schedules. You will only need an electronic device with internet access to view the content. The best way for graduates to reach their objectives and improve their employment options.

This **Postgraduate Certificate in Users Management in Web Applications** contains the most complete and up-to-date program on the market. The most important features include:

♦ The development of practical cases presented by experts in Computer, Software, Systems

♦ The graphic, schematic and practical contents of the book provide theoretical and practical information on those disciplines that are essential for professional practice

♦ Practical exercises where the self-evaluation process can be carried out to improve learning. Theoretical lessons, questions to the expert, forums for discussion of controversial topics and individual reflection work

♦ Its special emphasis on innovative methodologies

♦ Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection work

♦ Content that is accessible from any fixed or portable device with an Internet connection

Stand out in user management and access to the best positions in the industry as a Web Project Manager"

Learn more about e-Commerce and become an IT professional expert in user management for web applications.

You will learn how to manage and store the data of large user communities, in order to monetize any web application.

" *Master the most advanced analytical tools in web applications, such as Google Analytics"*

The Postgraduate Certificate includes in its teaching staff professionals from the sector who bring to this training the experience of their work, in addition to recognized specialists in the field and prestigious universities.

Its 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 an immersive education programmed to learn in real situations.

The design of this program focuses on Problem-Based Learning, by means of which the professional must try to solve the different professional practice situations that are presented throughout the academic course. For this purpose, the student will be assisted by an innovative interactive video system created by renowned experts.

02
Objectives

The design of the Postgraduate Certificate will allow the IT professional to acquire the necessary competencies to be updated in User Management in Web Applications. The development of the points of the syllabus will drive the student, from a global perspective, to achieve the proposed objectives. They will perfect their skills in the development of web applications and will achieve excellence in a field in continuous evolution and which is becoming more and more important.

The goal of TECH is you: reach your dream career in IT thanks to the best digital university in the world"

General Objectives

- Generate specialized knowledge on advanced web architecture

- Create personalized experiences, monitor and monetize the use of the website

- Consolidate application design and development best practices with a project management that favors continuous iteration, integration and deployment

- Analyze in depth the aspects related to the security of web applications, with special applications, with a special focus on the most common attacks and the prevention, detection and mitigation prevention, detection and mitigation mechanisms

- Review security recommendations and regulations

- Address security as one of the pillars of advanced web architectures

Specific Objectives

◆ Examine the processes of registration, authentication and authorization of web users

◆ Specify the management of user roles and credentials

◆ Identify mechanisms for user session management

◆ Develop the systems available for communicating with users

◆ Delve into the regulation and good practices of data protection

Meet your objectives thanks to innovative contents, elaborated by renowned professionals with extensive experience"

03

Course Management

In order to offer a complete and quality education for all, TECH works with prestigious professionals in their respective fields. Thanks to this, the student will acquire a comprehensive knowledge in Users Management in Web Applications. For this reason, this Postgraduate Certificate has been designed by a highly qualified team with extensive experience, offering the best tools for the student to obtain the best results. With the guarantee of specializing in what you are passionate about and what will catapult you to professional success.

Succeed with the best experts in Software, Systems and Computing and embark in the web applications sector".

Management

Dr. Pantaleón García del Valle, Eduardo

- Solutions Architect at Amazon Web Services (AWS)
- Solutions Architect at Liferay, Inc
- Technical Manager at Jungheinrich AG
- Senior Software Engineer and Team Manager at Liferay
- Project Manager at Protecmedia
- Organization and delivery of online technical webinars within the AWS Customer Proficiency Plan program
- Member of the Alumni Mentoring program at Carlos III University of Madrid, for career advice to students and recent graduates
- Graduated in Telecommunication Engineering from Carlos III University of Madrid
- PhD in Software, Systems and Computing from the Polytechnic University of Madrid
- Master's Degree in Computer Languages and Systems from the National University of Distance Education (UNED)
- Executive Data Science Specialization from Johns Hopkins University

Professors

Mr. Orbezo Gutiérrez, Alberto

- Senior Software Developer at Babel
- Programmer and analyst at Álamo Consulting
- IT Consultant

Take the opportunity to learn about the latest advances in this field in order to apply it to your daily practice"

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Structure and Content

The contents of the syllabus have been elaborated based on the needs of the Web Applications professional who wishes to specialize in user management. Following the requirements proposed by the teaching team of this Postgraduate Certificate, a curriculum has been established with the best contents of the pedagogical market, offering a broad perspective of Users Management for Web Applications. The student will get the most out of the Postgraduate Certificate thanks to the innovative Relearning methodology, which includes: high quality multimedia content, complementary didactic material, detailed videos and interactive summaries.

A Postgraduate Certificate designed by experts for successful learning. Benefit from the most innovative multimedia content"

Module 1. Users Management in Web Applications

1.1.   User Records and Authentication

    1.1.1.   Identity validation and MFA

    1.1.2.   Authentication Protocols OAuth 2.0, SAML, LDAP, RADIUS

    1.1.3.   Identity Providers

1.2.   Profiles, roles and user authorization

    1.2.1.   Authorization mechanisms

    1.2.2.   Role-based access (RBAC)

    1.2.3.   Principle of least privilege

1.3.   Credential management

    1.3.1.   Encryption and secure storage of passwords

    1.3.2.   Modification and revocation of credentials

    1.3.3.   Password tools and services

1.4.   User session management

    1.4.1.   Session identifier, properties and lifecycle

    1.4.2.   Session control implementations

    1.4.3.   Cookies and Web Storage

1.5.   Isolation of user data

    1.5.1.   Single-tenant and multi-tenant systems

    1.5.2.   Physical data isolation (silos)

    1.5.3.   Logical data isolation (pools)

1.6.   Notifications and messaging

    1.6.1.   Notifications in the application

    1.6.2.   Notification services: email, SMS, Push notifications

    1.6.3.   Subscription management

1.7.   Personalized user experiences

    1.7.1.   User segmentation

    1.7.2.   Recommendation mechanisms

    1.7.3.   A/B testing

Update yourself with the pedagogical methodology of Relearning, at the forefront of technology and education"

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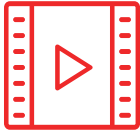
Relearning will allow you to learn with less effort and better performance, involving you more in your training, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation for success.

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.
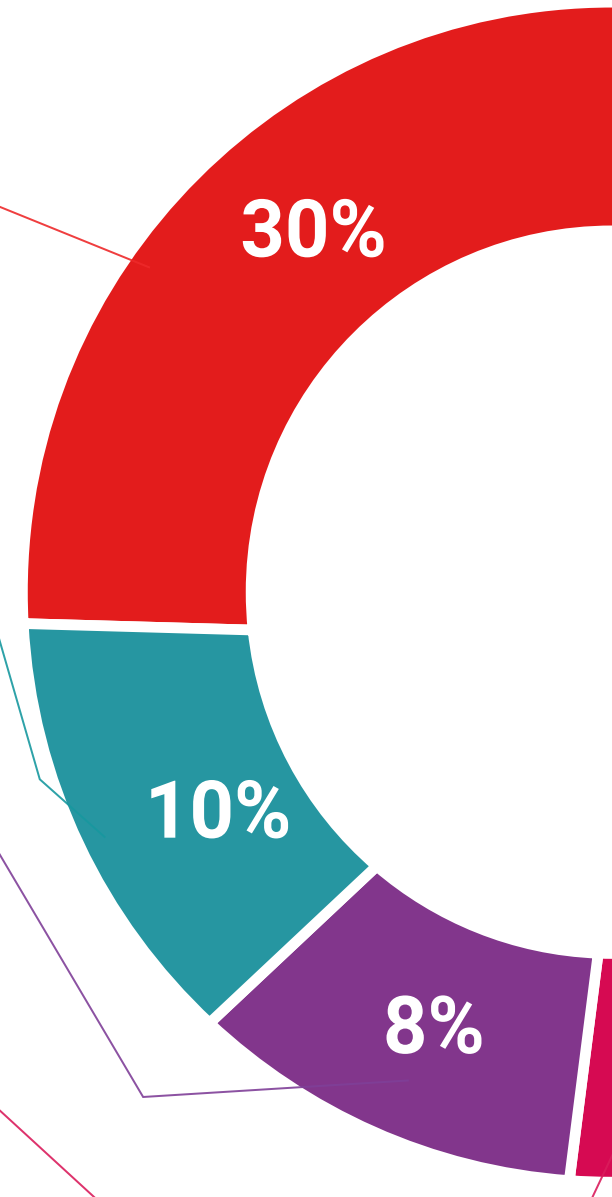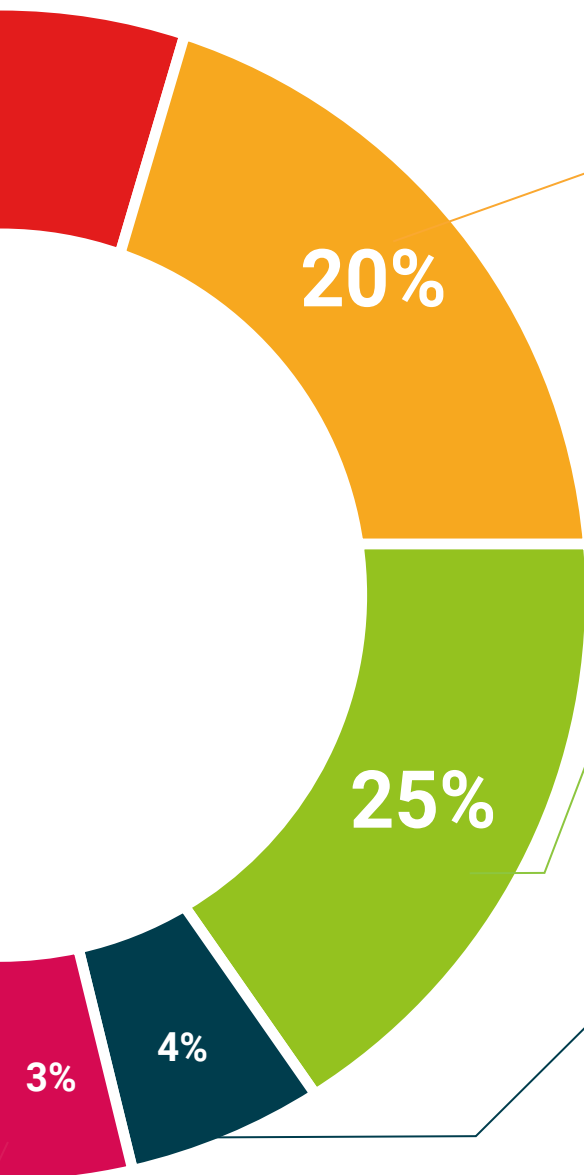
Practising Skills and Abilities

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.

06
Certificate

The Postgraduate Certificate in Web in Users Application Management guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.

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

This **Postgraduate Certificate in Users Management in Web Applications** contains the most complete and up-to-date program on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Certificate** issued by **TECH Technological University** via tracked delivery*.

The certificate issued by **TECH Technological University** will reflect the qualification obtained in the Postgraduate Certificate, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Title: **Postgraduate Certificate in Users Management in Web Applications**

Official Nº of Hours: **150 h.**

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Awards the following
CERTIFICATE
to
Mr./Ms. _____, with identification number _____.
For having passed and accredited the following program

POSTGRADUATE DIPLOMA
in

Users Management in Web Applications

This is a qualification awarded by this University, equivalent to 150 hours, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH is a Private Institution of Higher Education recognized by the Ministry of Public Education as of June 28, 2018.

June 17, 2020

Tere Guevara Navarro
Dean

Unique TECH Code: AFWORD23S   techtitute.com/certificates

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

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