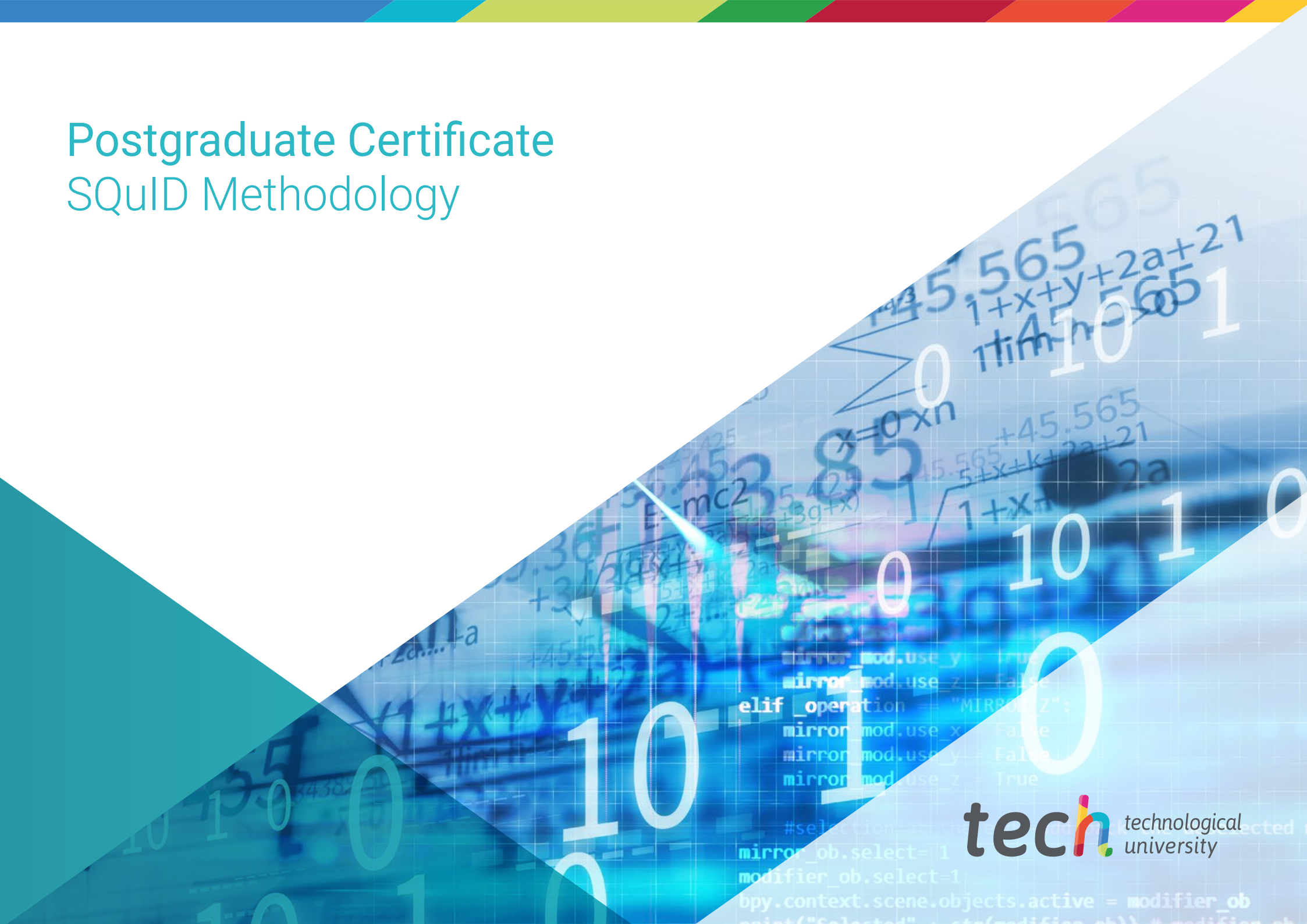
Postgraduate Certificate
SQuID Methodology



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Postgraduate Certificate
SQuID Methodology

Course Modality: **Online**
Duration: **6 weeks**
Certificate: **TECH Technological University**
Official Nº of hours: **150 h.**
Website: www.techtitute.com/information-technology/postgraduate-certificate/squid-methodology

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01

Introduction

One of the keys to success in the implementation of Big Data technologies resides in the proper management of related projects. This complete program will provide the student with the skills necessary for strategic project management , through the contribution of best practices collected under the PMI, methodologies such as Kimball or a methodology that is unique in the world: SQuID a unique growth opportunity designed especially for and by the best experts in the industry.

Learn how to apply the enormous capabilities of the SQuID methodology and give your CV the growth boost your career needs"

Learn how to approach any type of project in the Big Data field with a methodology that is unique in the world: SQuID was developed by a Spanish company who are experts in Big Data, it will be a tool of enormous value for the professional.

In the management of these projects, there is a section that is critical when it comes to data referring to people. The possibility of monitoring an individual's activity is at odds with the individual's right to privacy.

In this module, you will get to know the legal aspects related to user privacy and their right to protect their data, aspects to be complied with by any system that makes effective use of third party data. Students will understand the need for security in data storage, management and access and they will get to know the pillars of information security: integrity, confidentiality, availability and traceability.

Finally, aspects that are becoming social trends, such as data ethics and possible uses in today's societies, will be presented.

This **Postgraduate Certificate in SQuID Methodology** contains the most complete and up-to-date educational program on the market. The most important features of the training include:

- Practical case studies presented by experts
- The graphic, schematic, and practical contents with which they are created, 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
- Its 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

The most useful, practical and efficient learning systems in the international educational system, at your fingertips"

A complete update that will provide you with the working capacity of a specialist in the field"

This training has the best teaching material available online or downloadable, to facilitate your study and effort management.

A highly efficient program that will allow you to advance efficiently in everything you will need in this area of work.

The program's teaching staff includes professionals from sector who contribute their work experience to this program 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 training programmed to train in real situations.

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

02

Objectives

The objectives of this Postgraduate Certificate were established with a basis on realistic and necessary goals for a professional in the sector. Gradually, students will be able to verify their learning and progress in the mastery of the contents so that, at the end, they will have finished a complete process of professional growth.

A revolutionary, high-impact methodology that you can learn in just a few weeks"

General Objectives

- Tackle Big Data projects with SQuID methodology
- Get to know the legal aspects related to user privacy and their right to protect their data
- Understand the need for security and ethics surrounding use of data

A stimulating professional growth journey designed to keep you interested and motivated throughout the training"

Specific Objectives

- Know the best practices in PMI applied to the world of Big Data
- Know Kimbal's methodology
- Know the SQuID methodology and its applicability in the development of projects with large volumes of data
- Identify the applicable legal issues related to the capture, storage and use of user data.
- Know how privacy can be provided in Big Data
- Anticipate the ethical risks and benefits derived from the application of big data techniques that may occur in a real situation

03

Course Management

Within the quality criteria that we apply in all our training, this program offers you the opportunity to learn from the best, with a teaching staff of industry professionals who will invest their theoretical and practical knowledge to take you to the highest level of training. With the latest and most effective teaching methods on the online teaching market.

Learn with the best and acquire the knowledge and skills you need to intervene in this area of development with total success"

Management

Mr. Galindo, Luis Ángel

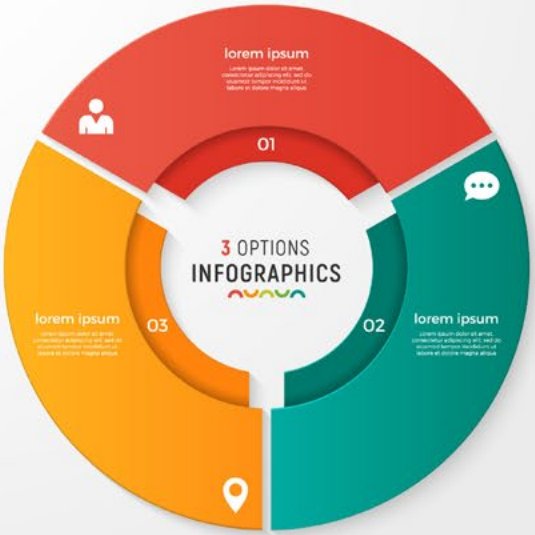
- Senior High Performance Consultant with 16 years of experience
- Definition, development and implementation of a successful open innovation model, with +10% year-on-year revenue growth leveraged on innovative assets
- Definition, development and implementation of successful Digital Transformation Programs for more than 8 years and 700+ people leading a pioneering role in the industry
- Implementation of 20+ complex consulting projects worldwide for large companies in artificial intelligence, economic intelligence, cybersecurity, business development, digital transformation, risk assessment, process optimization and people management
- Expert in understanding customers and translating their needs into actual sales

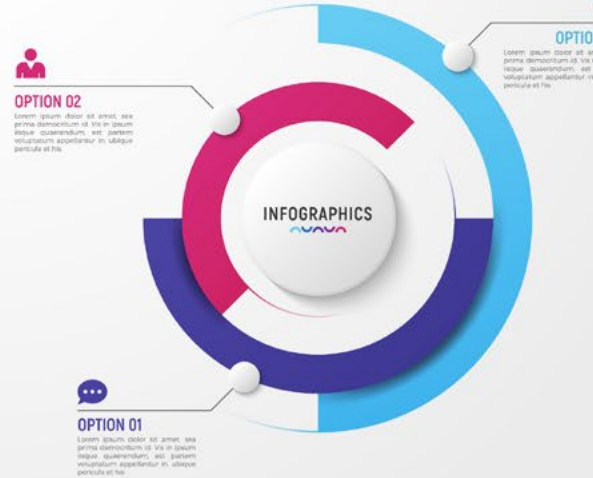
Professors

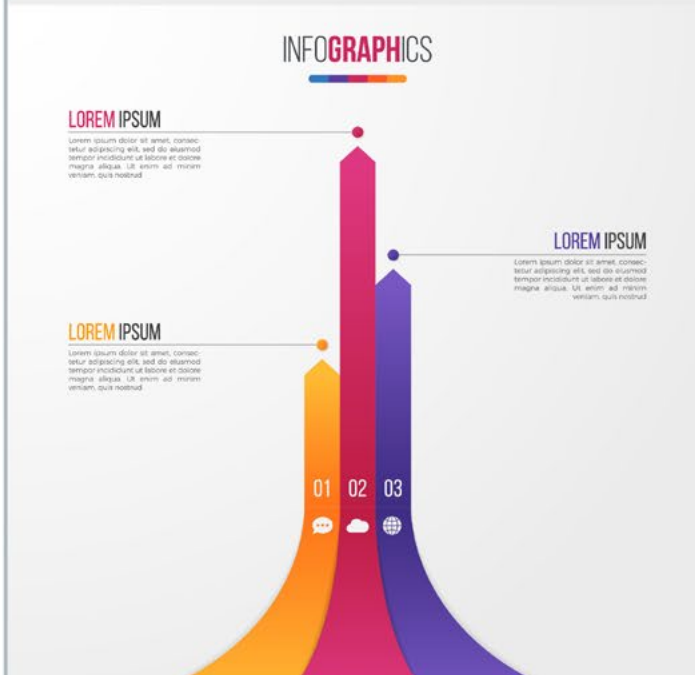
Ms. Álvarez de las Cuevas, Mónica

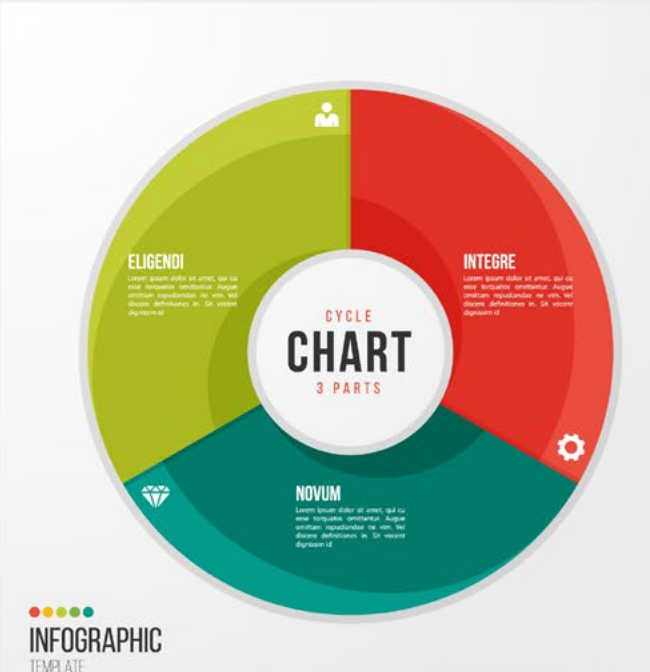
- IT Engineer
- Project management with direct experience in the field of technical training and digital marketing solutions
- Coordination and management of both technical and business teams, for the analysis of the status and improvement of business procedures and implementation of new digital solutions

INFOGRAPHIC COLLECTION





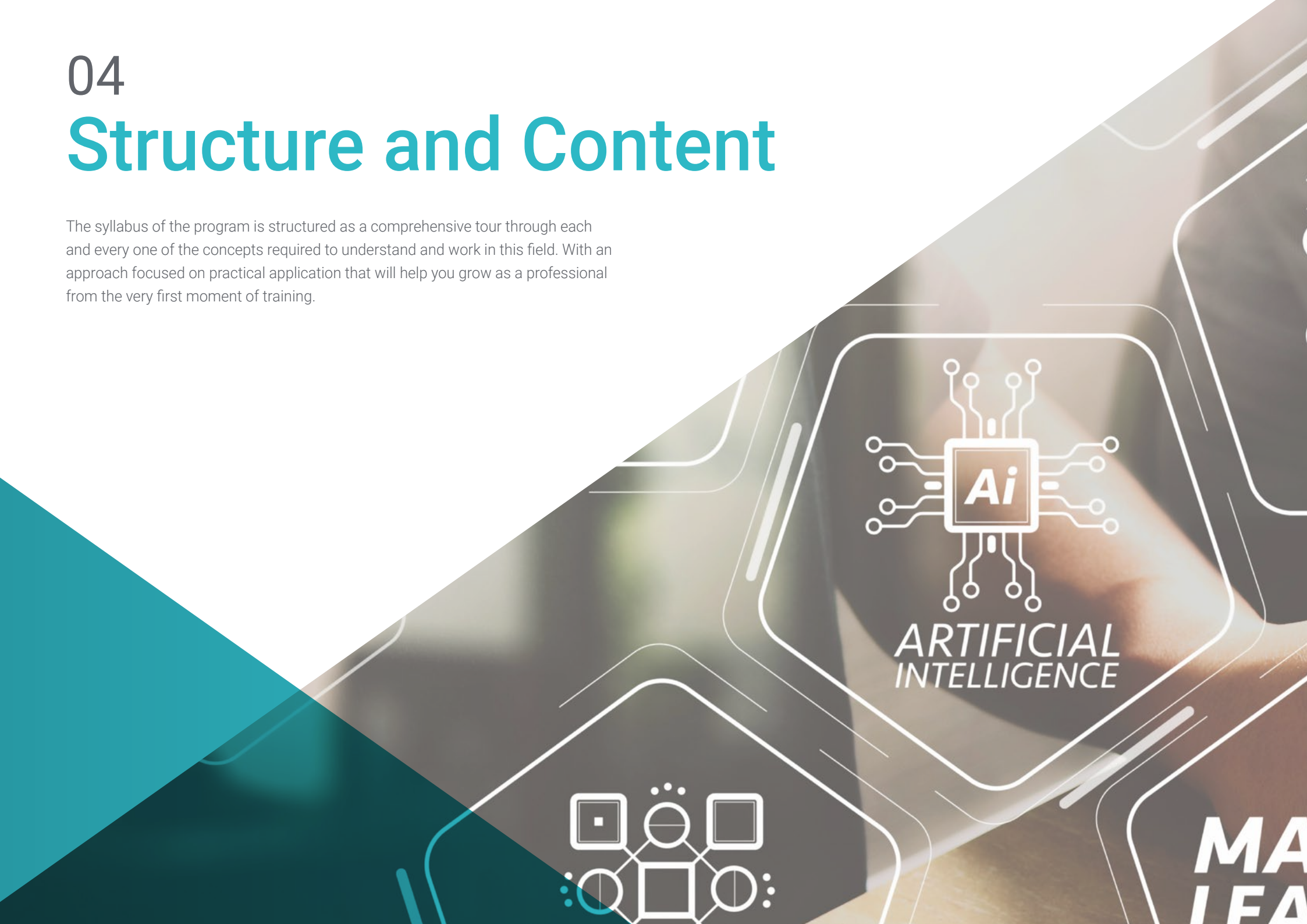




04

Structure and Content

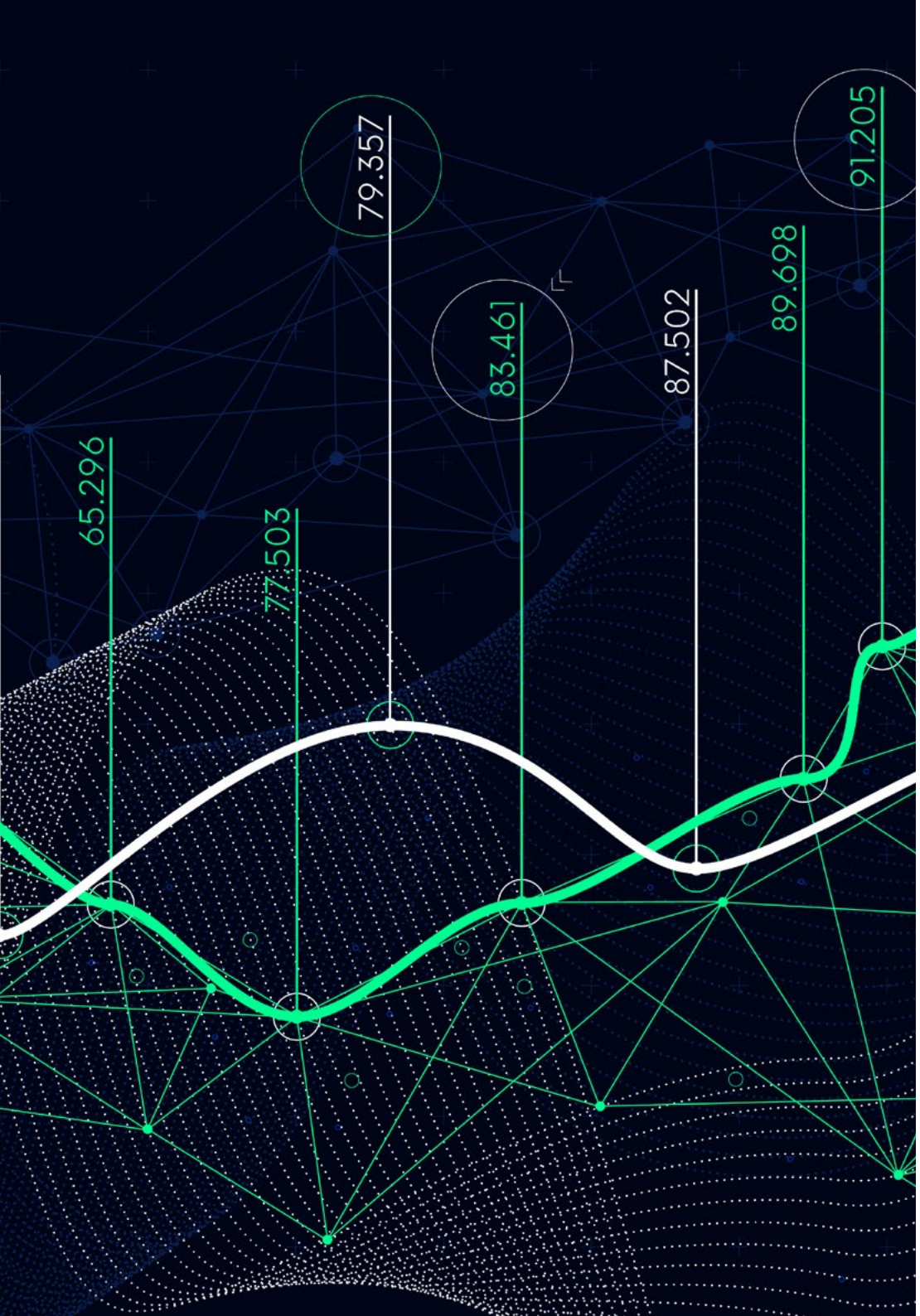
The syllabus of the program is structured as a comprehensive tour through each and every one of the concepts required to understand and work in this field. With an approach focused on practical application that will help you grow as a professional from the very first moment of training.



A syllabus that will show you all aspects of data processing, developed along topics prepared to take you to the control of the subject"

Module 1. Strategic Management of Visual Analytics and Big Data Projects

1.1. Intriduction to Strategic Project Management
1.2. *Best practices* in the Description of Big Data Processes
1.3. Kimball Methodology
1.4. SQuID Methodology
  1.4.1. Introduction to SQuID Methodology to Approach Big Data Projects
  1.4.2. Phase I. *Sources*
  1.4.3. Phase II. *Data Quality*
  1.4.4. Phase III. *Impossible Questions*
  1.4.5. Phase IV. *Discovering*
  1.4.6. *Best Practices* in the Application of SQuID in Big Data Projects
1.5. Legal Aspects in the World of Data
1.6. Big Data Privacy
1.7. Cyber Security in Big Data
1.8. Identification and De-identification with Large Volumes of Data
1.9. Data Ethics I
1.10. Data Ethics II



A comprehensive and multidisciplinary training that will allow you to excel in your career"

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

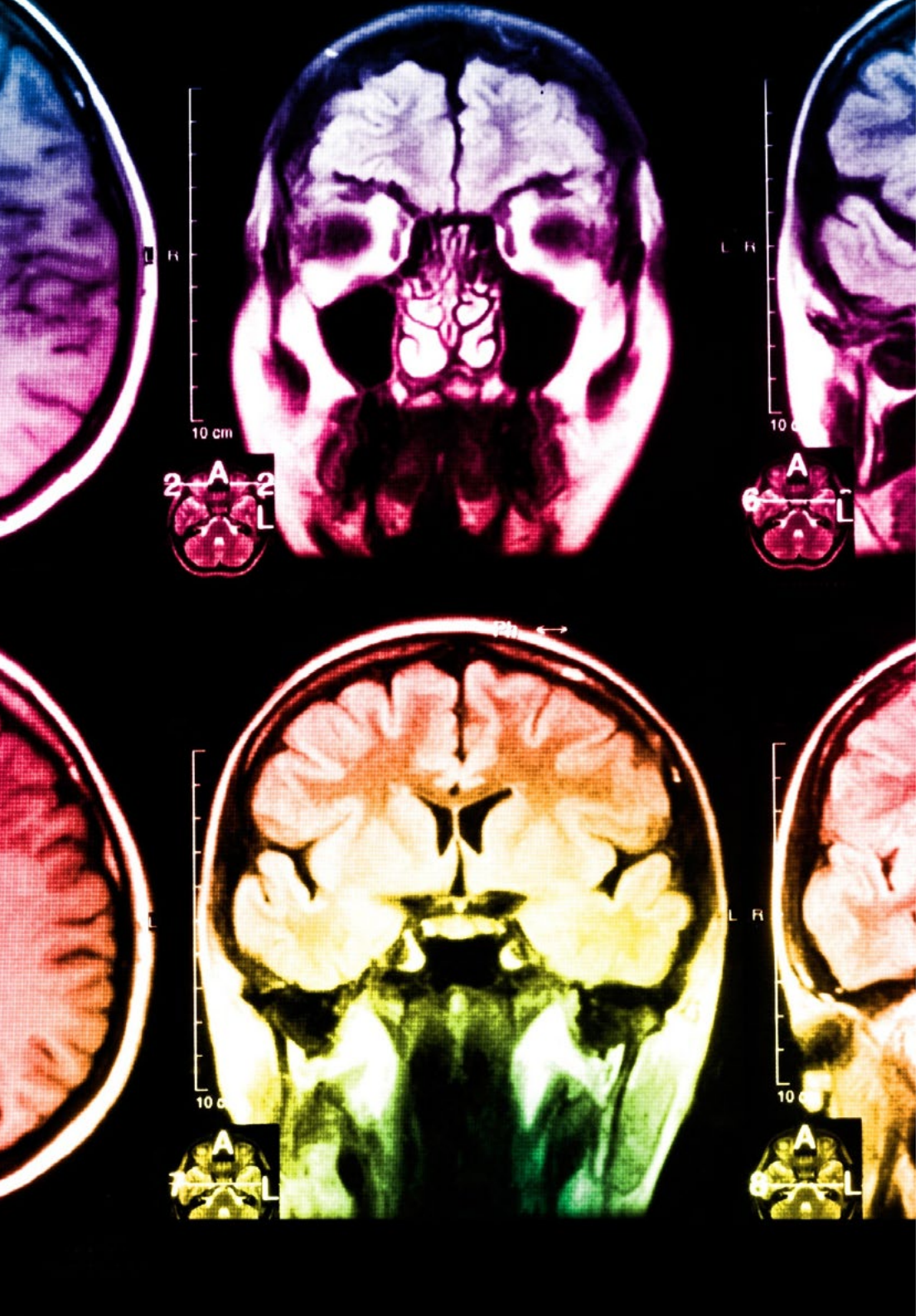
TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines different teaching elements in each lesson.

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.



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.

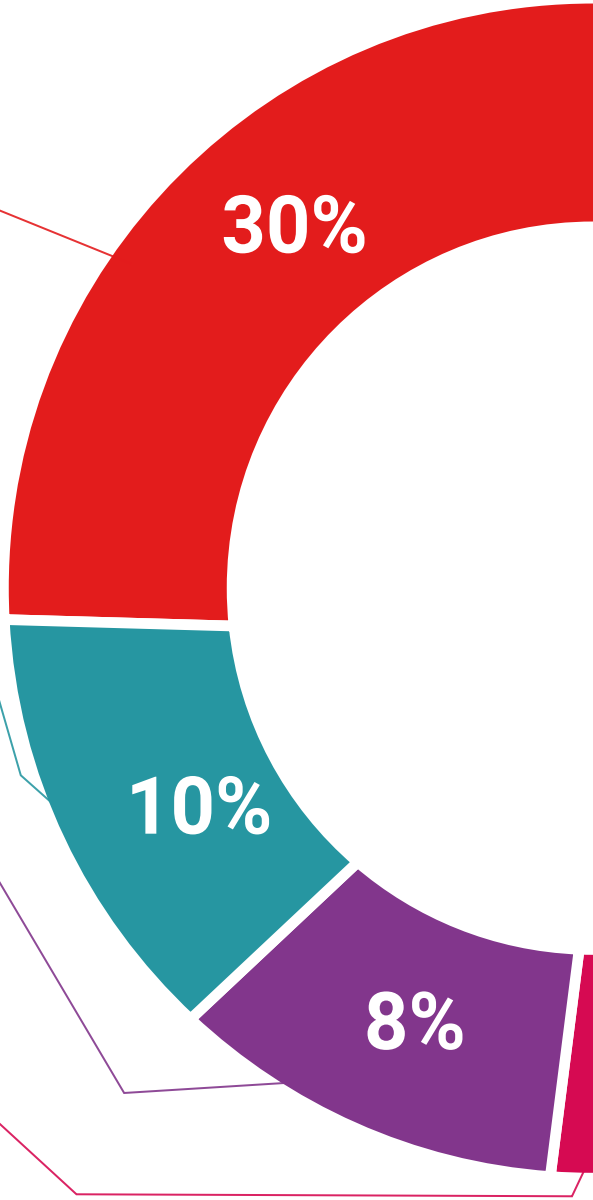
Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.

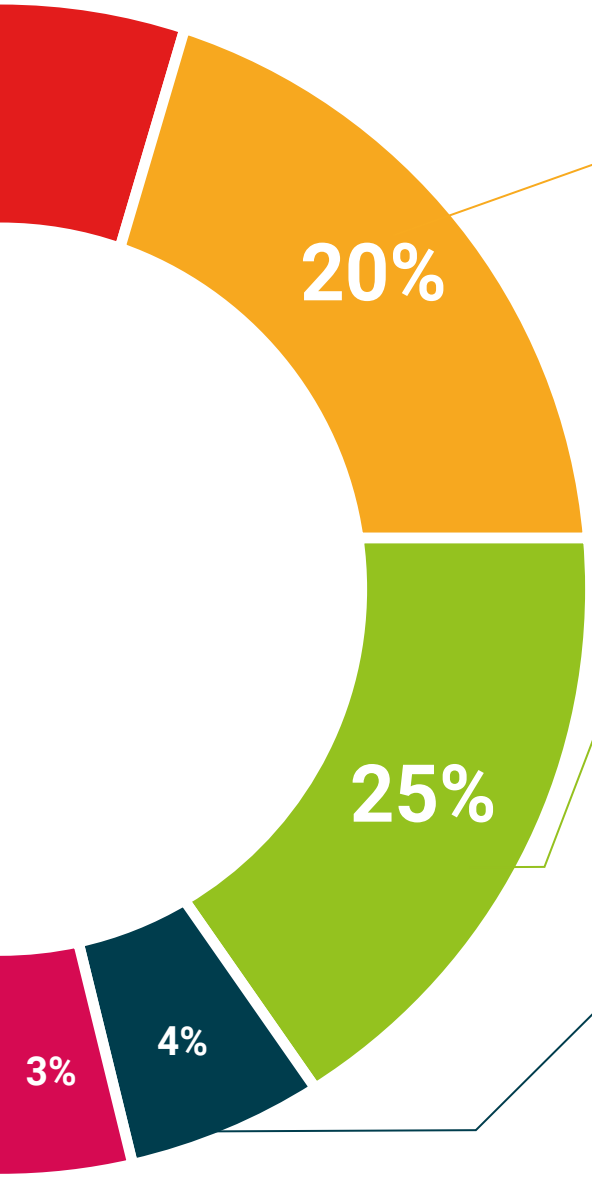
Practising Skills and Abilities

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.





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 SQuID Methodology guarantees, in addition to the most rigorous and up-to-date training, access to a Postgraduate Certificate issued by TECH Technological University.

Successfully complete this program and receive your university title without the hassle of travel or paperwork"

This **Postgraduate Certificate in SQuID Methodology** 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 diploma 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 SQuID Methodology**

Official Nº of Hours: **150 h.**

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Awards the following

DIPLOMA

to

Mr./Ms. _____, with identification number _____.

For having passed and accredited the following program

POSTGRADUATE CERTIFICATE

in

SQuID Methodology

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

This qualification must always be accompanied by the university degree issued by the competent authority to practice professionally in each country. Unique TECH Code: AFWORD23S techtitute.com/certificates

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

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Postgraduate Certificate
SQuID Methodology

Course Modality: **Online**
Duration: **6 weeks**
Certificate: **TECH Technological University**
Official Nº of hours: **150 h.**

Postgraduate Certificate
SQuID Methodology

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