Postgraduate Diploma

Data Storage, Recovery and Processing

tech technological university

tech
technological university

Postgraduate Diploma
Data Storage, Recovery and Processing

- » Modality: **online**
- » Duration: **6 months**
- » Certificate: **TECH Technological University**
- » Dedication: **16h/week**
- » Schedule: **at your own pace**
- » Exams: **online**
- » Target Group: **Computer engineers who wish to reorient their work towards the world of business intelligence, or established professionals in the field of BI who need to update, deepen and improve their skills and knowledge**

Website: **www.techtitute.com/pk/school-of-business/postgraduate-diploma/postgraduate-diploma-data-storage-recovery-processing**

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01
Welcome

New technologies allow the management of large amounts of data that are essential for the good performance of businesses, but to ensure that they are stored and processed efficiently, it is necessary to use the right tools. Applying the most appropriate tools for the needs of each company is not an easy task, so programs like this one train students to be able to perform the tasks of exploration, visualization, transformation and data analysis using Python and R programming languages, focusing on the libraries available to carry out each of them. In addition, it will help them to elaborate data synthesis using the most up-to-date systems on the market. Without a doubt, this is an indispensable program for business professionals, and it has been designed thanks to the support of a group of experts trained in the area, who offer students their many years of experience.

Postgraduate Diploma in Data Storage, Recovery and Processing.
TECH Technological University

Analyze distributed systems with massive data usage, detailing their characteristics and going deep into the foundations, and become a subject matter expert"

02
Why Study at TECH?

TECH is the world's largest 100% online business school. It is an elite business school, with a model based on the highest academic standards. A world-class center for intensive managerial skills education.

TECH is a university at the forefront of technology, and puts all its resources at the student's disposal to help them achieve entrepreneurial success"

At TECH Technological University

Innovation

The university offers an online learning model that balances the latest educational technology with the most rigorous teaching methods. A unique method with the highest international recognition that will provide students with the keys to develop in a rapidly-evolving world, where innovation must be every entrepreneur's focus.

"Microsoft Europe Success Story", for integrating the innovative, interactive multi-video system.

The Highest Standards

Admissions criteria at TECH are not economic. Students don't need to make a large investment to study at this university. However, in order to obtain a qualification from TECH, the student's intelligence and ability will be tested to their limits. The institution's academic standards are exceptionally high...

95% of TECH students successfully complete their studies

Networking

Professionals from countries all over the world attend TECH, allowing students to establish a large network of contacts that may prove useful to them in the future.

+100000 executives prepared each year

+200 different nationalities

Empowerment

Students will grow hand in hand with the best companies and highly regarded and influential professionals. TECH has developed strategic partnerships and a valuable network of contacts with major economic players in 7 continents.

+500 collaborative agreements with leading companies

Talent

This program is a unique initiative to allow students to showcase their talent in the business world. An opportunity that will allow them to voice their concerns and share their business vision.

After completing this program, TECH helps students show the world their talent.

Multicultural Context

While studying at TECH, students will enjoy a unique experience. Study in a multicultural context. In a program with a global vision, through which students can learn about the operating methods in different parts of the world, and gather the latest information that best adapts to their business idea.

TECH students represent more than 200 different nationalities.

TECH strives for excellence and, to this end, boasts a series of characteristics that make this university unique:

Analysis

TECH explores the student's critical side, their ability to question things, their problem-solving skills, as well as their interpersonal skills.

Academic Excellence

TECH offers students the best online learning methodology. The university combines the Relearning method (postgraduate learning methodology with the best international valuation) with the Case Study. Tradition and vanguard in a difficult balance, and in the context of the most demanding educational itinerary.

Economy of Scale

TECH is the world's largest online university. It currently boasts a portfolio of more than 10,000 university postgraduate programs. And in today's new economy, **volume + technology = a ground-breaking price**. This way, TECH ensures that studying is not as expensive for students as it would be at another university.

Learn with the best

In the classroom, TECH's teaching staff discuss how they have achieved success in their companies, working in a real, lively, and dynamic context. Teachers who are fully committed to offering a quality specialization that will allow students to advance in their career and stand out in the business world.

Teachers representing 20 different nationalities.

At TECH, you will have access to the most rigorous and up-to-date case analyses in academia"

03
Why Our Program?

Studying this TECH program means increasing the chances of achieving professional success in senior business management.

It is a challenge that demands effort and dedication, but it opens the door to a promising future. Students will learn from the best teaching staff and with the most flexible and innovative educational methodology.

We have highly qualified teachers and the most complete syllabus on the market, which allows us to offer you education of the highest academic level"

This program will provide you with a multitude of professional and personal advantages, among which we highlight the following:

01

A Strong Boost to Your Career

By studying at TECH, students will be able to take control of their future and develop their full potential. By completing this program, students will acquire the skills required to make a positive change in their career in a short period of time.

70% of students achieve positive career development in less than 2 years.

02

Develop a strategic and global vision of the company

TECH offers an in-depth overview of general management to understand how each decision affects each of the company's different functional fields.

Our global vision of companies will improve your strategic vision.

03

Consolidate the student's senior management skills

Studying at TECH means opening the doors to a wide range of professional opportunities for students to position themselves as senior executives, with a broad vision of the international environment.

You will work on more than 100 real senior management cases.

04

You will take on new responsibilities

The program will cover the latest trends, advances and strategies, so that students can carry out their professional work in a changing environment.

45% of graduates are promoted internally.

05

Access to a powerful network of contacts

TECH connects its students to maximize opportunities. Students with the same concerns and desire to grow. Therefore, partnerships, customers or suppliers can be shared.

You will find a network of contacts that will be instrumental for professional development.

06

Thoroughly develop business projects.

Students will acquire a deep strategic vision that will help them develop their own project, taking into account the different fields in companies.

20% of our students develop their own business idea.

07

Improve *soft skills* and management skills

TECH helps students apply and develop the knowledge they have acquired, while improving their interpersonal skills in order to become leaders who make a difference.

Improve your communication and leadership skills and enhance your career.

08

You will be part of an exclusive community

Students will be part of a community of elite executives, large companies, renowned institutions, and qualified teachers from the most prestigious universities in the world: the TECH Technological University community.

We give you the opportunity to study with a team of world-renowned teachers.

04
Objectives

TECH guarantees the academic and professional excellence of its students through high quality programs. For this reason, it has designed a program focused on meeting the demands and concerns in the business sector for data processing. The fundamental will be, in this case, to perform the tasks of exploration, visualization, transformation and analysis of data using Python and R programming languages, as well as to implement key systems to organize the information of a company by departments and delve into the most used Apache systems, both for batch processing with Apache Hadoop and in real time with Apache Spark. After completing the program, the student will be able to make global decisions with an innovative perspective and an international vision.

Learn the fundamental concepts in distributed data systems and ensure the excellence of each department within your company"

TECH makes the goals of their students their own goals too.
Working together to achieve them.

The **Postgraduate Diploma in Data Storage, Recovery and Processing** enables the student to:

01 Demonstrate basic skills in using Python and R as tools for data analysis

02 Identify the strengths and weaknesses of the languages in order to adapt their use accordingly

03 Evaluate the necessary libraries and identify existing modules maximizing the reuse of available resources

04 Define the strategy to address a problem by adding value to data

05 Justify the use of techniques and methods using qualitative and quantitative analysis

06 Develop the ability to establish and propose combinations of preprocessing methods that improve data quality

08 Generate specialized knowledge to obtain relevant information for decision making

09 Address direct communication between company departments and customers for a stable relationship

07 Adequately present the information, using the power of languages to synthesize the conclusions of the analysis in an explanatory way

10 Develop the commercial strategy

11 Justify the importance of customer retention and customer loyalty

14 Establish the essential qualities of distributed systems

12 Develop a unified reporting system for each process of the company

13 Develop company-wide integration skills in systems that are easy to control and manage and accessible in real time

15 Evaluating the relational model and NoSQL models

16 Analyze each of the CAP theorem concepts in detail

18 Develop specific tools used in Hadoop and for big data analysis with Spark

19 Analyze systems that work with big data

17 Determine big data analysis processes in Hadoop

20 Examine different models, forms of storage and retrieval of data

05
Structure and Content

Professional development can only be achieved with quality education. For this reason, TECH has one of the most up-to-date and complete programs in the market, backed by a group of highly qualified and qualified teachers to provide security and the guarantee that the student will know firsthand all the skills needed to address various essential tasks in data analytics and the use of appropriate tools to ensure the growth and profitability of the business. In this way, the student will be able to spend six months learning in a unique and stimulating way.

Manages enterprise-wide business processes and manages customer relationships, using systems that increase the profitability of a business"

Syllabus

For any company it is important to have professionals who are able to carry out tasks of data storage, retrieval and processing. This specialization can only be achieved with high quality higher education. For this reason, TECH offers its students this program, thanks to which they will be able to perform various essential tasks in data analysis and summarize the information by presenting statistics and graphs that summarize the information in an appropriate manner.

On the other hand, finding the right tools, according to the needs of each company, is not an easy task. For this reason, this program will teach students to analyze two systems that, both together and separately, can help improve the company's productivity. ERP manages the business processes of the entire company, while CRM helps manage customer relationships. Both systems are implemented to increase profitability, but it is key to organize all relevant information from all departments and use it correctly to facilitate communication between areas and teams to improve decision making.

By the end of the program, the student will understand the term "big data" by analyzing the distribution systems of massive data use, detailing its characteristics and getting into the foundations. In such a way that, knowing the different options, as well as the advantages and disadvantages of the fundamental pieces of Big Data systems, they will be able to choose the best options in future designs.

In conclusion, the syllabus is designed for Students, focusing on the future graduate and preparing them to achieve excellence within a business team. By understanding the needs of the student and the companies, it is possible to present valuable content, based on the latest technological trends and supported by an excellent teaching staff. In this way, it provides the necessary competencies to solve critical situations in a creative and efficient way.

This Postgraduate Diploma takes place over 6 months and is divided into 3 modules:

Module 1	Data manipulation and analytics using Python and R
Module 2	Business Information Systems - ERP & CRM
Module 3	Big Data systems and Hadoop ecosystem for its exploitation

Where, When and How is it Taught?

TECH offers the possibility of developing this Postgraduate Diploma in Data Storage, Recovery and Processing completely online. Throughout the 6 months of the educational program, you will be able to access all the contents of this program at any time, allowing you to self-manage your study time.

A unique, key, and decisive educational experience to boost your professional development and make the definitive leap.

Module 1. Data manipulation and analytics using Python and R

1.1. Python y R
1.1.1. History and characteristics of languages
1.1.2. Python Setup
1.1.3. Installation of R
1.1.4. Other Tools

1.2. Types of Data in Python
1.2.1. Basic Types
1.2.2. Complex Types
1.2.3. Data Operations
1.2.4. Control Structures
1.2.5. File Operations

1.3. Types of Data in R
1.3.1. Basic Types
1.3.2. Complex Types
1.3.3. Data Operations
1.3.4. Control Structures
1.3.5. File Operations

1.4. Information extraction and visualization with Python
1.4.1. Main statistical summaries
1.4.2. Univariate Analysis
1.4.3. Multivariate Analysis

1.5. Information extraction and visualization with R
1.5.1. Main statistical summaries
1.5.2. Univariate Analysis
1.5.3. Multivariate Analysis

1.6. Corporate Social Responsibility in IT Projects
1.6.1. Outlier detection and analysis
1.6.2. Subsampling and resampling
1.6.3. Dimensionality Reduction

1.7. Preprocessing in R
1.7.1. Outlier detection and analysis
1.7.2. Subsampling and resampling
1.7.3. Dimensionality Reduction

1.8. Modeling in Python
1.8.1. Division of the Data Set
1.8.2. Basic modeling and main libraries
1.8.3. Prediction and evaluation of metrics

1.9. Modeling in R
1.9.1. Division into data sets
1.9.2. Basic modeling and main libraries
1.9.3. Prediction and evaluation of metrics

1.10. Language comparison
1.10.1. Strengths and weaknesses
1.10.2. Good Practices
1.10.3. Conclusion and Bookstores of Interest

Module 2. Business Information Systems - ERP & CRM

2.1. ERP and CRM
2.1.1. ERP and CRM
2.1.2. CRM
2.1.3. Differences between ERP, CRM and point of sale
2.1.4. ERP and CRM as drivers of business success

2.2. ERP
2.2.1. Benefits for our company
2.2.2. ERP Implementation
2.2.3. Latest ERP developments

2.3. ERP as a resource optimizer
2.3.1. Modules in an ERP system
2.3.2. Information extracted from ERP
2.3.3. Architecture
2.3.4. Advantages and Disadvantages
2.3.5. Types of ERP systems

2.4. ERP Systems
2.4.1. Current tools on the market
2.4.2. The perfect ERP for our company
2.4.3. Implementation and stages

2.5. CRM: Customer Loyalty
2.5.1. Current Situation
2.5.2. Sales or Loyalty
2.5.3. Customer Loyalty Profitability
2.5.4. Customer marketing
2.5.5. Program Types
2.5.6. Success Factors
2.5.7. E-loyalty. Multichannel strategy

2.6. CRM:Creation and management of an information system
2.6.1. Benefits of investing in an information system
2.6.2. Design of the commercial information system
2.6.3. Investment Strategies in Information Systems

2.7. CRM: Communication actions with customers
2.7.1. Communication.
2.7.2. Hearing

2.8. CRM: Detecting and recovering dissatisfied customers
2.8.1. The danger of not asking
2.8.2. Benefits of detecting errors
2.8.3. How to correct and rectify errors
2.8.4. How to win back the customer and design processes of continuous improvement

2.9. CRM: Organization of events and special programs
2.9.1. Objectives
2.9.2. Design of an event
2.9.3. Organization of an event
2.9.4. Results Evaluation

2.10. Implementation of a relationship marketing program
2.10.1. Most frequent implementation errors
2.10.2. Implementation proposal methodology
2.10.3. Segmentation.
2.10.4. Benchmarking
2.10.5. Processes
2.10.6. Training
2.10.7. Systems
2.10.8. Design of Loyalty Actions
2.10.9. CRM Tools

Module 3. Big Data systems and Hadoop ecosystem for its exploitation.

3.1. Massive data systems
3.1.1. Scales
3.1.2. Reliability
3.1.3. Maintainability

3.2. Data Representation
3.2.1. Evolution of Data Models
3.2.2. Comparison of the relational model with the document model
3.2.3. Network Model

3.3. Data Storage and Retrieval Engines
3.3.1. Storage in file with log structure
3.3.2. Storage in tables of sorted strings
3.3.3. Trees B

3.4. Data flow models and coding formats
3.4.1. Data Flow in REST Services
3.4.2. Data Flow in Message Passing
3.4.3. Different message sending formats

3.5. Replication
3.5.1. CAP Theorem
3.5.2. Consistency Models
3.5.3. Different models of leaders and followers

3.6. Distributed Transactions
3.6.1. Atomic Operations
3.6.2. Distributed transactions for partitioned databases
3.6.3. Serialisability

3.7. Partitions
3.7.1. Types of Partitions
3.7.2. Indexes in Partitions
3.7.3. Partition Rebalancing

3.8. Big-Data Analysis: Hadoop
3.8.1. Types of Partitions
3.8.2. Indexes in Partitions
3.8.3. Partition Rebalancing

3.9. Big-Data analysis tools on Hadoop
3.9.1. Types of Partitions
3.9.2. Indexes in Partitions
3.9.3. Partition Rebalancing

3.10. Big Data and Machine Learning: Spark
3.10.1. Limitations to the Hadoop model
3.10.2. Architecture and data flow
3.10.3. Data processing in Spark: operations with RDD
3.10.4. Machine learning with Spark and Mahouts

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"

TECH Business School uses the 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"

This program prepares you to face business challenges in uncertain environments and achieve business success.

A learning method that is different and innovative

This TECH program is an intensive educational program, created from scratch to present executives with challenges and business decisions at the highest level, whether at the national or international level. 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 business reality is taken into account.

> *You will learn, through collaborative activities and real cases, how to solve complex situations in real business environments"*

The case method has been the most widely used learning system among the world's leading business 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 we face in the case method, an action-oriented learning method. Throughout the program, the studies will be presented with multiple real cases. They must integrate all their knowledge, research, argue and defend their ideas and decisions.

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

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.

Our online system will allow you to organize your time and learning pace, adapting it to your schedule. You will be able to access the contents from any device with an internet connection.

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 online business school is the only one in the world licensed to incorporate 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. With this methodology we have 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, markets, and financial 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 specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to 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.

30%

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.

10%

Management Skills Exercises

They will carry out activities to develop specific executive competencies in each thematic area. Practices and dynamics to acquire and develop the skills and abilities that a high-level manager needs to develop in the context of the globalization we live in.

8%

3%

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%

15%

4%

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 senior management 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.

Our Students' Profiles

The Postgraduate Diploma is aimed at graduates and university graduates who have previously completed any of the following programs in the field of computer engineering, telecommunications engineering or graphic design, and who are working in the business sector. The program is also open to professionals with a university education in any field and two years of work experience in the business field. This program uses a multidisciplinary approach as the students have a diverse set of academic profiles and represent multiple nationalities.

If you are looking to improve your career path, you should count on this program. You will be able to pursue your professional projects alongside your studies"

Average Age

Between **35** and **45** years old

Years of Experience

+14 years **6.4%**

12-13 years **12.7%**

10-11 years **20.5%**

8-9 years **28.9%**

5 years **7.8%**

6-7 years **23.9%**

Training

Business **40%**

Informatics **30%**

Other Engineering **15%**

Social Sciences **17%**

Others **8%**

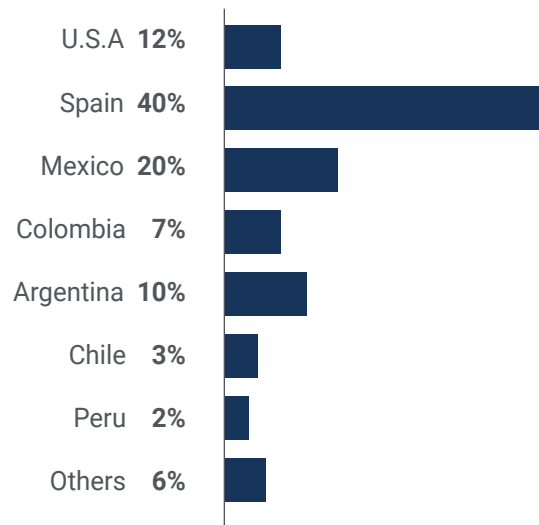## Educational Profile

Informatics **23%**

Business **30%**

Entrepreneurs **27%**

Others **20%**

Geographical Distribution

U.S.A	**12%**
Spain	**40%**
Mexico	**20%**
Colombia	**7%**
Argentina	**10%**
Chile	**3%**
Peru	**2%**
Others	**6%**

Jorge Cabello

Consultant Business Intelligence

"Having a university that gives you the facility to continue my studies without leaving my responsibilities has helped me to grow professionally. Since then I have been able to increase by 10% the management of my department, proposing successful solutions to commercial problems."

08

Course Management

The teaching team included in this program is made up of a group of experts of reference in the world of data analysis and storage. For this reason, the student is assured of receiving the most complete information on the market. Thanks to their dense experience, the student will have the best of theory and practice, being able to be part of the academic transformation from anywhere in the world.

A group of experts specially chosen to guarantee the quality of the contents taught, ensuring the excellence of the student"

Management

Dr. Peralta Martín-Palomino, Arturo

- CEO and CTO at Prometeus Global Solutions
- CTO en Corporate Technologies in Corporate Technologies
- CTO in AI Shephers GmbH
- Doctorate in Psychology from the University of CastillaLa
- PhD in Economics, Business and Finance from the Camilo José Cela University. Outstanding Award in her PhD
- Master's Degree in Advanced Information Technologies from the University of Castilla la Mancha
- Master MBA+E (Master's Degree in Business Administration and Organisational Engineering) from the University of Castilla la Mancha
- Associate lecturer, teaching undergraduate and master's degrees in Computer Engineering at the University of Castilla la Mancha
- Professor of the Master in Big Data and Data Science at the International University of Valencia
- Lecturer of the Master's Degree in Industry 4.0 and the Master's Degree in Industrial Design and Product Development
- Member of the SMILe Research Group of the University of Castilla la Mancha

Professors

Mr. Díaz Díaz-Chirón, Tobías
» Researcher at the ArCO laboratory of the University of Castilla-La Mancha, a group dedicated to projects related to computer architectures and networks
» Consultant at Blue Telecom, a company dedicated to the telecommunications sector
» Computer Engineer from the University of Castilla - la Mancha

Ms. Martínez Cerrato, Yésica
» Electronic Security Product Technician at Securitas Security Spain
» Business Intelligence Analyst at Ricopia Technologies (Alcalá de Henares) Degree in Electronic Communications Engineering at the Polytechnic School, University of Alcalá
» Responsible for training new recruits on commercial management software (CRM, ERP, INTRANET), product and procedures in Ricopia Technologies (Alcalá de Henares)
» Responsible for training new scholarship holders incorporated to the Computer Classrooms at the University of Alcalá
» Project Manager in the area of Key Accounts Integration at Correos and Telégrafos (Madrid)
» Computer Technician-Responsible for computer classrooms OTEC, University of Alcalá (Alcalá de Henares)
» Computer classes teacher at ASALUMA Association (Alcalá de Henares)
» Scholarship for training as a Computer Technician in OTEC, University of Alcala (Alcalá de Henares)

Ms. Pedrajas Parabá, Elena
» Business Analyst in Management Solutions in Madrid
» Collaborator with the Department of Numerical Analysis at the University of Cordoba Professional Experience
» Researcher in the Department of Computer Science and Numerical Analysis at the University of Córdoba
» Researcher at the Singular Center for Research in Intelligent Technologies in Santiago de Compostela
» Degree in Computer Engineering Master's Degree in Data Science and Computer Engineering Teaching Experience

Mr. Peris Morillo, Luis Javier
» Technical Lead in Capitole Consulting
» Senior Technical Lead y Delivery Lead Support en HCL
» Agile Coach and Director of Operations at Mirai Advisory
» Higher Engineering in Computer Science by the ESI of Ciudad Real (UCLM)
» Postgraduate in Project Management by CEOE - Confederación Española de Organizaciones Empresariales (Spanish Confederation of Business Organisations)

Impact on Your Career

At TECH we are aware that taking a program with these characteristics is a great economic, personal and professional investment. For this reason, the ultimate goal of carrying out this great effort should be to achieve professional growth.

"

Become a skilled professional to develop specific tools used in Hadoop and for Big Data analysis with Spark"

Are you ready to take the leap?
Excellent professional development awaits you

The Postgraduate Diploma in Processing and Extraction of Knowledge from TECH Data prepares students for the main business and personal challenges that the graduate will face after completing the program. This requires an exceptional effort from everyone, including the student himself, who must give his best to reach the top of the business world.

Do not miss the opportunity to train with us and you will find the improvement you were looking for.

If you want to make a positive change in your profession, the Postgraduate Diploma in Processing and Extracting Knowledge from Data will help you achieve it.

Time of Change

During the program	During the first year	After 2 years
23%	**21%**	**56%**

Type of change

Internal Promotion **43%**

Change of Company **32%**

Entrepreneurship **25%**
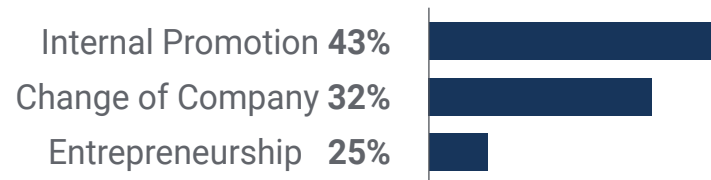
Salary increase

This program represents a salary increase of more than **25%** for our students.

Salary before	A salary increase of	Salary after
$32,900	**25.22%**	**$41,200**

10

Benefits for Your Company

The Postgraduate Diploma in Treatment and Extraction of Knowledge from Data is a great opportunity for all companies that want to incorporate into their ranks professionals with a high degree of skills, both in leadership and data management, ready to solve all analytical problems present in the business organization.

"After completing this training you will have the key to change that will propel you into your future as a leader and manager of teams dedicated to data analytics"

Developing and retaining talent in companies is the best long-term investment.

01

Growth of talent and intellectual capital

The professional will introduce the company to new concepts, strategies, and perspectives that can bring about significant changes in the organization.

02

Retaining high-potential executives to avoid talent drain

This program strengthens the link between the company and the professional and opens new avenues for professional growth within the company.

03

Building agents of change

You will be able to make decisions in times of uncertainty and crisis, helping the organization overcome obstacles.

04

Increased international expansion possibilities

Thanks to this program, the company will come into contact with the main markets in the world economy.

tech

05

Project Development

The professional can work on a real project or develop new projects in the field of R & D or business development of your company.

06

Increased competitiveness

This program will equip students with the skills to take on new challenges and drive the organization forward.

11
Certificate

The Postgraduate Diploma in Data Storage, Retrieval and Processing guarantees, in addition to the most rigorous and updated training, access to a Postgraduate Diploma program 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 Diploma in Data Storage, Retrieval and Processing** 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 Diploma issued by **TECH Technological University via tracked delivery***.

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

Title: **Postgraduate Diploma in Data Storage, Retrieval and Processing**

Official Nº of Hours: **450 h**

tech technological university

Awards the following

CERTIFICATE

to

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

POSTGRADUATE CERTIFICATE

in

Practical Application of BI by Business Units

This is a qualification awarded by this University, equivalent to 300 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.

Postgraduate Diploma
Data Storage, Recovery and Processing

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

Postgraduate Diploma

Data Storage, Recovery and Processing

tech *technological university*