Postgraduate Diploma

Applications of Artificial Intelligence, IoT, and Medical Devices in Telemedicine

tech technological university

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Postgraduate Diploma
Applications of Artificial
Intelligence, IoT,
and Medical Devices
in Telemedicine

- » Modality: **online**
- » Duration: **6 months**
- » Certificate: **TECH Technological University**
- » Dedication: **16h/week**
- » Schedule: **at your own pace**
- » Exams: **online**
- » Target Group: **University Graduates who have previously completed any of the degrees in the fields of Social and Legal Sciences, Administrative and Business Sciences**

Website: **www.techtitute.com/us/school-of-business/postgraduate-diploma/postgraduate-diploma-applications-artifical-intelligence-iot-medical-devices-telemedicine**

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01
Welcome

Medicine has advanced by leaps and bounds in the last decade, not only in terms of the clinical management of patients, but also in relation to technology, thanks to which, today, it is possible to monitor constants from home via wireless devices, carry out remote consultations, share information between specialists online, etc. This is a sector that will continue to grow as technology and the Internet of Things (IoT) continue to advance. This is why more and more organizations are deciding to dedicate their business activity to this area, requiring professionals versed in the management and administration of telemedicine for their staffs. Therefore, graduates seeking to succeed in this field will find in this program all the information they need to do so. And is that it will have 450 hours of the best multidisciplinary and 100% online content, thanks to which you can hone your leadership skills and train as a highly qualified manager in the management of projects related to the Application of Artificial Intelligence, IoT and Medical Devices in Telemedicine.

Postgraduate Diploma in Applications of Artificial Intelligence, IoT, and Medical Devices in Telemedicine.
TECH Technological University

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Telemedicine is booming and you will find great job opportunities in it. Therefore, taking this 100% online program will mean a before and after in your professional career"

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 centre for intensive managerial skills training.

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 combines 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.

100,000+ executives trained 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.
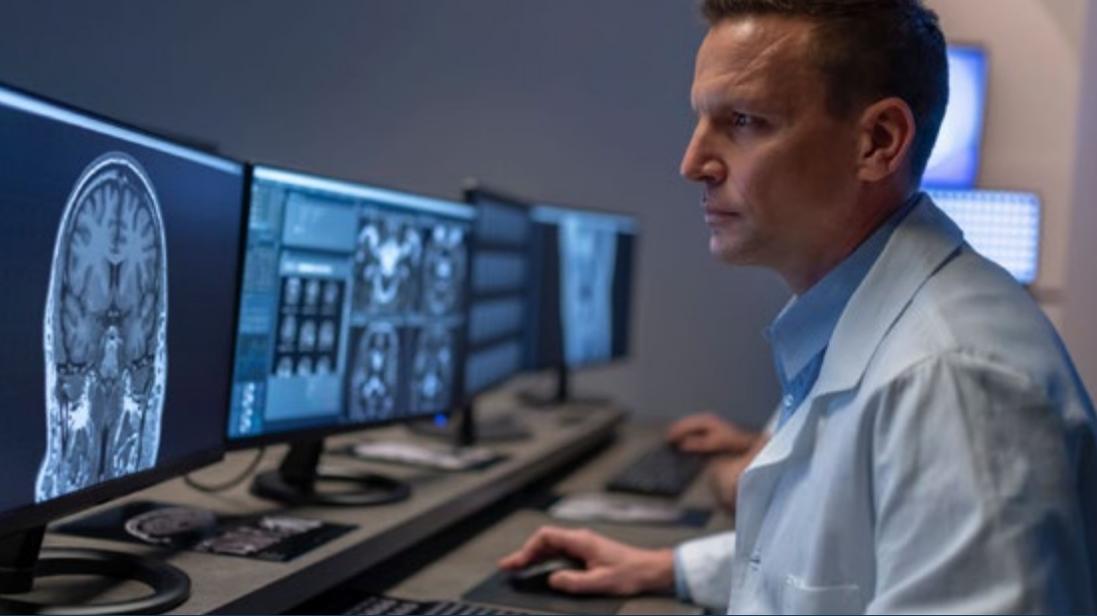
TECH strives for excellence and, to this end, boasts a series of characteristics that make this university unique:

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 studies in the academic community"

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 (a postgraduate learning methodology with the highest international rating) with the Case Study. A complex balance between tradition and state-of-the-art, within the context of the most demanding academic 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.

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 training of the highest academic level"

This program will provide students with a multitude of professional and personal advantages, particularly the following:

01

A significant career boost

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 participants achieve positive career development in less than 2 years.

02

Develop a strategic and global vision of companies

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

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

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 areas 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

Be part of an exclusive community

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

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

Objectives

Given the current demand for professionals in the business sector who master the field of IoT and Artificial Intelligence applicable to Telemedicine, TECH Technological University has designed this program aimed at providing the graduate with an update in everything related to this area. In this way, they will be able to know in detail the ins and outs of the sector, in order to be able to apply the strategies, protocols and management techniques and administration of large projects related to E-Health.

A program designed to help you achieve your most ambitious business goals related to the management and direction of E-Health projects and innovation in telemedicine"

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

The **Postgraduate Diploma in Applications of Artificial Intelligence, IoT, and Medical Devices in Telemedicine** will enable students to:

01 Propose communication protocols in different scenarios in the healthcare field

02 Analyze IoT communication, as well as its application areas in e-Health

03 Substantiate the complexity of Artificial Intelligence models in healthcare applications

04 Identify the optimization brought by parallelization in GPU-accelerated applications and its use in healthcare

05 Present all the Cloud technologies available to implement e-Health and the IoT products, both in computing and communication

06 Analyze the evolution of telemedicine

08 Examine the different types, use and clinical benefits of telemedicine

09 Assess the most common ethical issues and regulatory frameworks surrounding telemedicine

07 Assess the benefits and limitations of telemedicine

10 Establish the use of medical devices in healthcare in general and in telemedicine specifically

11 Determine the use of the Internet and the medical resources it provides

14 Create businesses using the Lean Startup methodology

12 Delve into the main trends and future challenges in telemedicine

13 Learn the key concepts of innovative ecosystems

15 Analyze the market and competitors

16 Find a solid value proposition in the marketplace

17 Identify opportunities and minimize rates of error

18 Handle practical tools to analyze the environment and to quickly test and validate business ideas

Structure and Content

This Postgraduate Diploma has been developed taking into account the criteria of the teaching team. In this way, the most innovative and important information related to the different applications of Artificial Intelligence and IoT in the telemedicine business sector has been selected for the conformation of its syllabus. In addition, the program includes additional material in different formats (research articles, complementary readings, case studies, dynamic summaries, etc.), so that the graduate can contextualize and delve into each aspect that they consider most important for their professional growth.

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"
You will be able to work on the different business models based on business innovation and entrepreneurship in E-Health through 450 hours of theoretical, practical and additional content"

Syllabus

For the development of the syllabus of this Postgraduate Diploma in Applications of Artificial Intelligence, IoT and Medical Devices in Telemedicine, TECH Technological University has considered the current demand that exists in the labor market, as well as the business demands required to develop successful projects in this sector.

Thanks to this, it has been possible to shape a highly educational, multidisciplinary and intensive program, perfect for any graduate who wants to become a true professional versed in this area. To do so, you will work with the best theoretical, practical and additional content.

This Postgraduate Diploma includes 450 hours of diverse material, with which you will be able to learn in detail the strategies and business models that are having the best results in relation to entrepreneurship and adaptability projects in the E-Health section. In addition, you will work on perfecting your leadership skills, becoming, in just 6 months, the managerial figure that every company would like to have.

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

Module 1. Applications of Artificial Intelligence and the Internet of Things (IoT) in Telemedicine

Module 2. Telemedicine and Medical, Surgical and Biomechanical Devices

Module 3. Business Innovation and Entrepreneurship in E-Health

Where, When and How is it Taught?

TECH offers the possibility of developing this Postgraduate Diploma in Applications of Artificial Intelligence, IoT, and Medical Devices in Telemedicine 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. Applications of Artificial Intelligence and the Internet of Things (IoT) in Telemedicine

1.1. E-Health Platforms. Personalizing Healthcare Services

1.1.1. E-Health Platform
1.1.2. Resources for E-Health Platforms
1.1.3. Digital Europe Program. Digital Europe-4-Health and Horizon Europe

1.2. Artificial Intelligence in Healthcare I: New Solutions in Computer Applications

1.2.1. Remote Analysis of Results
1.2.2. Chatbox
1.2.3. Prevention and Real-Time Monitoring
1.2.4. Preventive and Personalized Medicine in Oncology

1.3. Artificial Intelligence in Healthcare II: Monitoring and Ethical Challenges

1.3.1. Monitoring Patients with Reduced Mobility
1.3.2. Cardiac Monitoring, Diabetes, Asthma
1.3.3. Health and Wellness Apps
1.3.3.1. Heart Rate Monitors
1.3.3.2. Blood Pressure Bracelets
1.3.4. Ethical Use of AI in the Medical Field. Data Protection

1.4. Artificial Intelligence Algorithms for Image Processing

1.4.1. Artificial Intelligence Algorithms for Image Handling
1.4.2. Image Diagnosis and Monitoring in Telemedicine
1.4.2.1. Melanoma Diagnosis
1.4.3. Limitations and Challenges in Image Processing in Telemedicine

1.5. Application Acceleration using Graphics Processing Units (GPU) in Medicine

1.5.1. Program Parallelization
1.5.2. GPU Operations
1.5.3. Application Acceleration using GPU in Medicine

1.6. Natural Language Processing (NLP) in Telemedicine

1.6.1. Text Processing in the Medical Field. Methodology
1.6.2. Natural Language Processing in Therapy and Medical Records
1.6.3. Limitations and Challenges in Natural Language Processing in Telemedicine

1.7. The Internet of Things (IoT) in Telemedicine. Applications

1.7.1. Monitoring Vital Signs. Wearables
1.7.1.1. Blood Pressure, Temperature, and Heart Rate
1.7.2. The IT and Cloud Technology
1.7.2.1. Data Transmission to the Cloud
1.7.3. Self-Service Terminals

1.8. The IT in Patient Monitoring and Care

1.8.1. The IT Applications for Emergency Detection
1.8.2. The Internet of Things in Patient Rehabilitation
1.8.3. Artificial Intelligence Support in Victim Recognition and Rescue

1.9. Nano-Robots. Typology

1.9.1. Nanotechnology
1.9.2. Types of Nano-Robots
1.9.2.1. Assemblers. Applications
1.9.2.2. Self-Replicating. Applications

1.10. Artificial Intelligence in COVID-19 Control

1.10.1. Covid- 19 and Telemedicine
1.10.2. Management and Communication of Breakthroughs and Outbreaks
1.10.3. Outbreak Prediction in Artificial Intelligence

Module 2. Telemedicine and Medical, Surgical and Biomechanical Devices

2.1. Telemedicine and Telehealth
2.1.1. Telemedicine as a Telehealth Service
2.1.2. Telemedicine
2.1.2.1. Telemedicine Objectives
2.1.2.2. Benefits and Limitations of Telemedicine
2.1.3. Digital Health. Technologies

2.2. Telemedicine Systems
2.2.1. Components in Telemedicine Systems
2.2.1.1. Personal
2.2.1.2. Technology
2.2.2. Information and Communication Technologies (ICT) in the Health Sector
2.2.2.1. T-Health
2.2.2.2. M-Health
2.2.2.3. U-Health
2.2.2.4. P-Health
2.2.3. Telemedicine Systems Assessment

2.3. Technology Infrastructure in Telemedicine
2.3.1. Public Switched Telephone Network (PSTN)
2.3.2. Satellite Networks
2.3.3. Integrated Services Digital Network (ISDN)
2.3.4. Wireless Technology
2.3.4.1. WAP. Wireless Application Protocol
2.3.4.2. Bluetooth
2.3.5. Microwave Connections
2.3.6. Asynchronous Transfer Mode (ATM)

2.4. Types of Telemedicine. Uses in Healthcare
2.4.1. Remote Patient Monitoring
2.4.2. Storage and Shipping Technologies
2.4.3. Interactive Telemedicine

2.5. Telemedicine: General Applications
2.5.1. Telecare
2.5.2. Telemonitoring
2.5.3. Telediagnostics
2.5.4. Tele-Education
2.5.5. Telemanagement

2.6. Telemedicine: Clinical Applications
2.6.1. Teleradiology
2.6.2. Teledermatology
2.6.3. Teleoncology
2.6.4. Telepsychiatry
2.6.5. Telehomecare

2.7. Smart Technologies and Care
2.7.1. Integrating Smart Homes
2.7.2. Digital Health to Improve Treatment
2.7.3. Telehealth Clothing Technology. "Smart Clothes"

2.8. Ethical and Legal Aspects of Telemedicine
2.8.1. Ethical Foundations
2.8.2. Common Regulatory Frameworks
2.8.3. ISO Standards

2.9. Telemedicine and Diagnostic, Surgical and Biomechanical Devices
2.9.1. Diagnostic Devices
2.9.2. Surgical Devices
2.9.3. Biomechanical Devices

2.10. Telemedicine and Medical Devices
2.10.1. Medical Devices
2.10.1.1. Mobile Medical Devices
2.10.1.2. Telemedicine Carts
2.10.1.3. Telemedicine Kiosks
2.10.1.4. Digital Cameras
2.10.1.5. Telemedicine Kit
2.10.1.6. Telemedicine Software

Module 3. Business Innovation and Entrepreneurship in E-Health

3.1. Entrepreneurship and Innovation
3.1.1. Innovation
3.1.2. Entrepreneurship
3.1.3. Startups

3.2. Entrepreneurship in E-Health
3.2.1. Innovative E-Health Market
3.2.2. Verticals in E-Health: M-Health
3.2.3. Tele-Health

3.3. Business Models I: First Stages in Entrepreneurship
3.3.1. Types of Business Models
    3.3.1.1. Marketplaces
    3.3.1.2. Digital Platforms
    3.3.1.3. Saas
3.3.2. Critical Elements in the Initial Phase. The Business Idea
3.3.3. Common Mistakes in the First Stages of Entrepreneurship

3.4. Business Models II: Business Model Canvas
3.4.1. Canvas Business Model
3.4.2. Value proposition
3.4.3. Key Activities and Resources
3.4.4. Customer Segments
3.4.5. Customer Relationships
3.4.6. Distribution Channels
3.4.7. Partnerships
    3.4.7.1. Cost Structure and Revenue Streams

3.5. Business Models III: Lean Startup Methodology
3.5.1. Create
3.5.2. Validate
3.5.3. Measure
3.5.4. Decide

3.6. Business Models IV: External, Strategic and Regulatory Analysis
3.6.1. Red Ocean and Blue Ocean Strategies
3.6.2. Value Curves
3.6.3. Applicable E-Health Regulations

3.7. Successful E-Health Models I: Knowing Before Innovating
3.7.1. Analysis of Successful E-Health Companies
3.7.2. Analysis of Company X
3.7.3. Analysis of Company Y
3.7.4. Analysis of Company Z

3.8. Successful E-Health Models II: Listening before Innovating
3.8.1. Practical Interview: E-Health Startup CEO
3.8.2. Practical Interview: "Sector X" Startup CEO
3.8.3. Practical Interview: "Startup X" Technical Management

3.9. Entrepreneurial Environment and Funding
3.9.1. Entrepreneur Ecosystems in the Health Sector
3.9.2. Financing
3.9.3. Funding

3.10. Practical Tools in Entrepreneurship and Innovation
3.10.1. OSINT (Open-Source Intelligence) Tools
3.10.2. Analysis
3.10.3. No-Code Tools in Entrepreneurship

"A program with which you will work on improving your leadership skills, qualifying you, in just 6 months, in the managerial figure that every company would like to have"

06
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.

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.

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.

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%

3%

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 in Applications of Artificial Intelligence, IoT and Medical Devices in Telemedicine is aimed at university graduates, postgraduates and undergraduates who have previously completed any of the following degrees in the field of social and legal sciences, administration and economics.

This program uses a multidisciplinary approach as the students have a diverse set of academic profiles and represent multiple nationalities.

The Postgraduate Diploma can also be taken by professionals who, being university graduates in any field, have two years of work experience in the field of telemedicine.

A unique opportunity to network with entrepreneurs from all over the world with projects related to telemedicine"

Average Age

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

Years of Experience

5 years **23%**

10 to 15 years **30%**

From 5 to 10 years **27%**

More than 15 years **20%**

Training

Business Economics	**26%**
Engineering	**40%**
Information Technology	**19%**
Other	**15%**

Educational Profile

Industry	**42%**
Services	**21%**
Entrepreneurs	**28%**
Other	**9%**
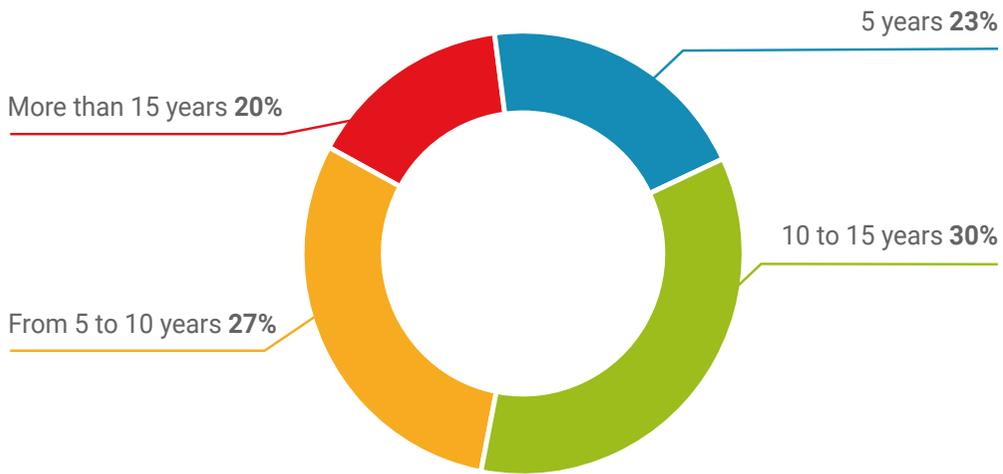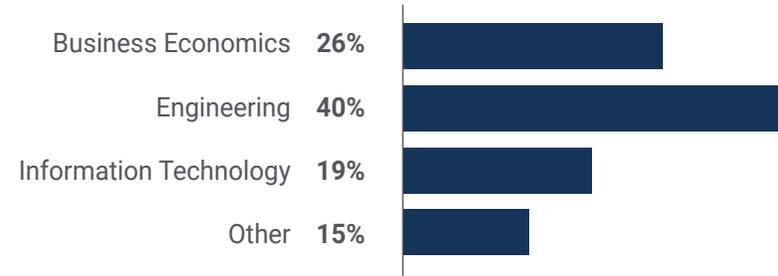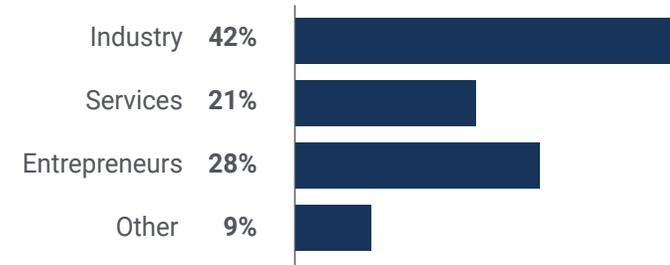
Geographical Distribution

USA	**10%**	
Spain	**42%**	
Mexico	**31%**	
Colombia	**17%**	
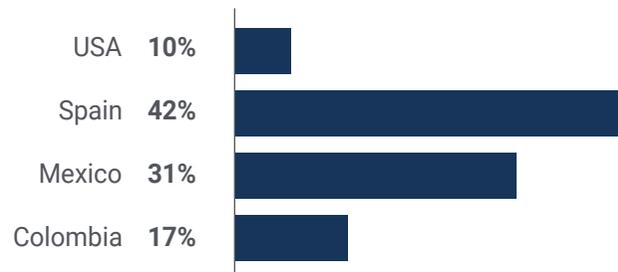
Cristian Abreu

CEO of an Important Telemedicine Company in Spain

"It is clear that Telemedicine will continue to advance as technology advances. Therefore, if you have vision for the future and criteria when it comes to choosing good programs, you will see that this Postgraduate Diploma is a very good opportunity to work on your professional profile. I did it, and in a matter of 1 year, I managed to start my own project and reach levels I never expected. For that reason, and for the quality that TECH offers with its syllabus and additional material, I highly recommend this program"

Course Management

TECH Technological University is aware that having a teaching team specialized in the area in which the program will be developed is an extra motivation for any graduate when choosing whether to pursue it or not. In addition, having the support of real experts in engineering with experience in the business management of projects related to telemedicine, will allow the student to know in detail and first hand the ins and outs of this sector.

To make the educational experience more dynamic, the teaching team will raise discussions in the Virtual Classroom forum so that you can share opinions on the different business opportunities in Telemedicine"

Management

Ms. Sirera Pérez, Ángela

- Biomedical Engineer expert in Nuclear Medicine and exoskeleton design
- Designer of specific parts for 3D printing at Technadi
- Technician in the Nuclear Medicine area of the University Clinic of Navarra
- Degree in Biomedical Engineering from the University of Navarra
- MBA and Leadership in Healthcare and Medical Technology Companies

Professors

Ms. Muñoz Gutiérrez, Rebeca

- Data Scientist at INDITEX
- Firmware Engineer for Clue Technologies
- Graduate in Health Engineering, specializing in Biomedical Engineering, University of Malaga and University of Seville
- Master's Degree in Intelligent Avionics, Clue Technologies, in collaboration with the University of Málaga
- NVIDIA: Fundamentals of Accelerated Computing with CUDA C/C++
- NVIDIA: Accelerating CUDA C++ Applications with Multiple GPUs

Dr. Somolinos Simón, Francisco Javier

- Biomedical Engineering Researcher at the Bioengineering and Telemedicine Group of the Polytechnic University of Madrid
- R&D&I Consultant at Evalue Innovation
- Biomedical Engineering Researcher at the Bioengineering and Telemedicine Group of the Polytechnic University of Madrid
- D. in Biomedical Engineering from the Polytechnic University of Madrid
- Graduate in Biomedical Engineering from the Polytechnic University of Madrid
- Master's Degree in Management and Development of Biomedical Technologies from Carlos III University of Madrid

Ms. Crespo Ruiz, Carmen
- Intelligence, Strategy and Privacy Analysis Specialist
- Director of Strategy and Privacy at Freedom&Flow SL
- Co-founder of Healthy Pills SL
- Innovation Consultant & Project Technician. CEEI CIUDAD REAL
- Co-founder of Thinking Makers
- Data protection consultancy and training. Tangente Cooperative Group
- University Teacher
- Law Degree, UNED (National University for Distance Education)
- Degree in Journalism, University Pontificia of Salamanca
- Master's Degree in Intelligence Analysis, Carlos III and Rey Juan Carlos Universities, with the endorsement of the National Intelligence Center-CNI)
- Advanced Executive Program on Data Protection Officer

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

09
Impact on Your Career

Completing the 6 months of education that TECH offers with this Postgraduate Diploma will provide the graduate with a unique set of knowledge that will help them develop as a true professional versed in telemedicine and its various business opportunities. In this way, they will have more possibilities when it comes to opting for a more prestigious job position in this sector.

"

This Postgraduate Diploma will give you the distinctive mark that your career needs to be able to project your future to much more relevant companies within the E-Health sector"

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

The Postgraduate diploma in Applications of Artificial Intelligence, IoT and Medical Devices in Telemedicine of TECH Technological University is an intensive program that prepares the student to face challenges and business decisions in the field of Engineering and Telemedicine. The main objective is to promote the student's personal and professional growth. Helping students achieve success.

Those who wish to improve themselves, achieve a positive change at a professional level and interact with the best will find their place in this program.

Through practical work, you will acquire leadership skills to stand out professionally in your company or in any personnel selection process.

You will be able to include in your resume a qualification endorsed by a university of international prestige such as TECH.

Time of Change

During the program	During the first year	After 2 years
23%	54%	23%

Type of change

Internal Promotion	35%	
Change of Company	35%	
Entrepreneurship	30%	
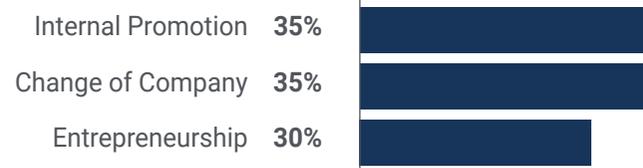
Salary increase

The completion of this program represents a salary increase of more than **28.5%** for our students.

Salary before	A salary increase of	Salary after
$56,800	**28.5%**	**$72,900**

10

Benefits for Your Company

The graduate who completes this Postgraduate Diploma will have acquired a series of unique leadership skills, those of the manager of the future, prepared to face complex challenges and objectives. In addition, they will have the necessary and required skills to solve crisis situations, and will be able to provide the company with a professional and labor quality that will make it grow and place it among the best in its sector.

> *You will master the different applications of Artificial Intelligence and the Internet of Things in telemedicine, being able to orient your projects to specific sectors in this area"*

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.

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 Postgraduate Diploma will equip your professionals with the skills to take on new challenges and therefore drive the organization forward.

11

Certificate

The Postgraduate Diploma in Applications of Artificial Intelligence, IoT and Medical Devices in Telemedicine guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Diploma 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 Applications of Artificial Intelligence, IoT, and Medical Devices in Telemedicine** 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 diploma 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 Applications of Artificial Intelligence, IoT, and Medical Devices in Telemedicine**

Official Nº of Hours: **450 h.**

tech technological university

Awards the following

DIPLOMA

to

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

POSTGRADUATE DIPLOMA

in

Applications of Artificial Intelligence, IoT, and Medical Devices in Telemedicine

This is a qualification awarded by this University, equivalent to 500 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 diploma issued with an apostille, TECH EDUCATION will make the necessary arrangements to obtain it, at an additional cost.

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Postgraduate Diploma
Applications of Artificial Intelligence, IoT, and Medical Devices in Telemedicine

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

Postgraduate Diploma
Applications of Artificial Intelligence, IoT, and Medical Devices in Telemedicine

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