Postgraduate Certificate

Strategy, Implementation and Evaluation for Telemedicine Projects

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Postgraduate Certificate
Strategy, Implementation and Evaluation for Telemedicine Projects

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

Website: **www.techtitute.com/us/medicine/postgraduate-certificate/strategy-implementation-evaluation-telemedicine-projects**

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01
Introduction

Telemedicine is a growing discipline. As a result, more and more eHealth projects are coming to light with the aim of empowering patients through self-management of their health and well-being. This makes it imperative that these projects meet quality standards, and ICTs play an important role in this regard. Therefore, this academic program focuses on providing physicians with knowledge, skills and tools in the area of implementation and evaluation of Telemedicine projects through ICTs. A unique academic opportunity that will lay the foundations for professional growth.

ICTs are revolutionizing telemedicine. If you want to go deeper into this exciting field, then this Postgraduate Certificate is for you"

In this Postgraduate Certificate, students will delve into the process of creating ICT projects for the health sector. The different models and strategies that can be implemented: starting from problem analysis and the needs within the health sector, ICT projects will help develop and implement practical solutions and applications. Students will also become familiar with the different areas in which telemedicine is already at work.

Professionals will thus acquire the necessary knowledge for evaluating ICT projects for the health sector and will be able to work on launching projects or advising and tutoring the work of other external parties.

All of which is condensed in a six-week, eminently through online program that gives doctors the opportunity to study where and when they want, since they will only need a device with an Internet connection to access the vast bank of information we offer.

This **Postgraduate Certificate in Strategy, Implementation and Evaluation for Telemedicine Projects** is the most comprehensive and up-to-date educational program on the market. The most important features of the program include:

- The development of case studies presented by Telemedicine experts.
- The graphic, schematic, and eminently 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.
- 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.

Don't miss the opportunity to become an expert in ICT for Telemedicine projects and add value to your professional profile"

Learn to manage new technologies in the service of telemedicine with this comprehensive Postgraduate Certificate and become a prestigious professional"

Thanks to this complete academic program, physicians will be able to update their knowledge based on the latest developments in the field.

As it is an online Postgraduate Certificate, you can study wherever and whenever you want.

The program includes, in its teaching staff, professionals from the sector who bring to this program the experience from their work, in addition to recognized specialists from prestigious reference societies and 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.

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

02
Objectives

This Postgraduate Certificate aims to provide physicians with in-depth and effective knowledge in the use of ICT's (Information and Communication Technologies) applied to telemedicine. A high-level academic program that will increase professional knowledge and will allow physicians to work successfully in a field whose patients and companies are increasingly demanding more and more experts.

> *If your goal is to grow in a booming field, then this Postgraduate Certificate is for you"*

General Objectives

- Deepen understanding of the environment in which telemedicine services are developed, including challenges, limitations and opportunities in the area
- Delve into the ethical, legal, technical and medical aspects of creating and implementing telemedicine projects
- Gain a deeper understanding of the different ICT applications in health care
- Master the new techniques and technologies that are emerging to better serve patients and their needs
- Further the analysis, development, implementation and evaluation of eHealth and telemedicine projects
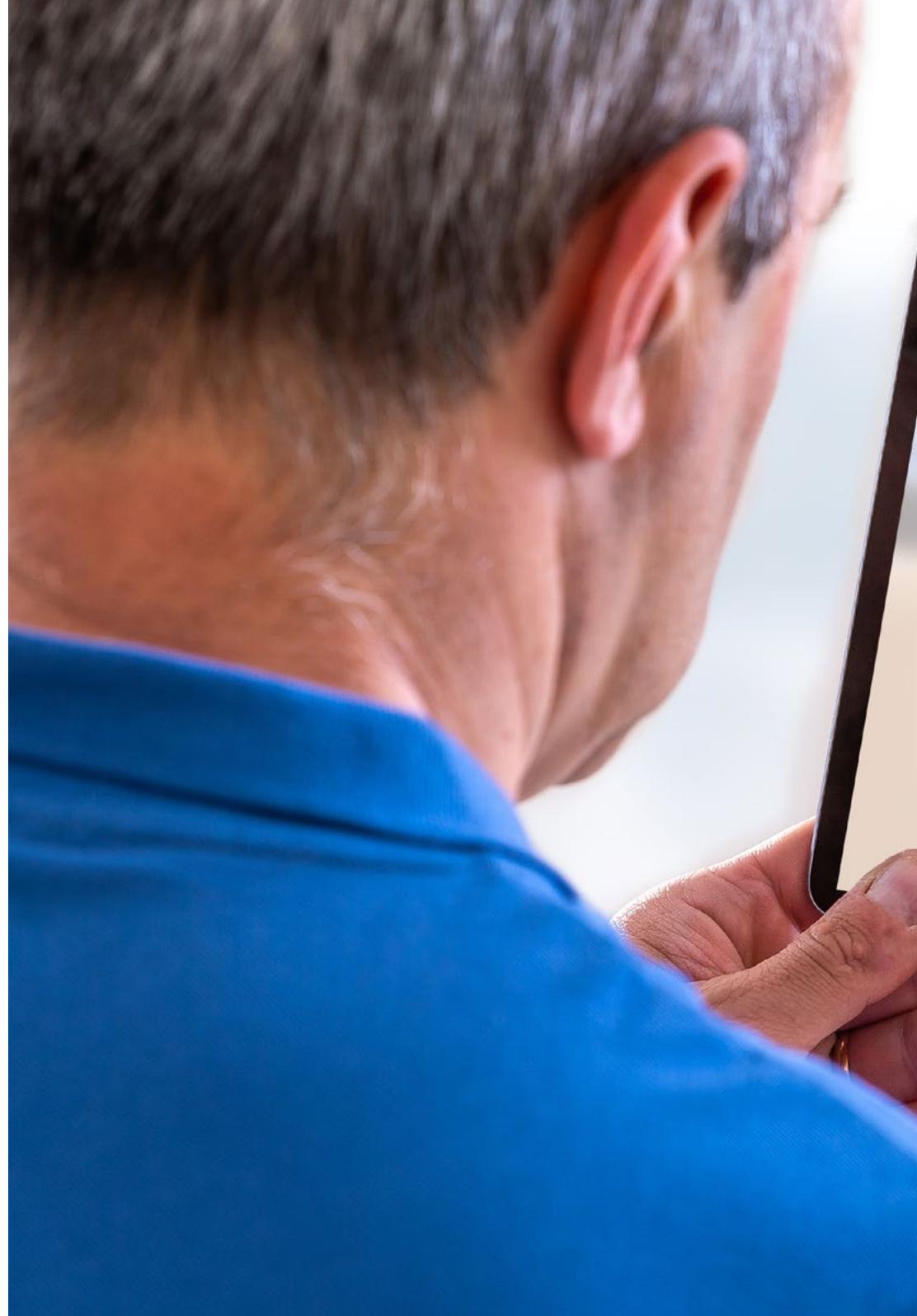
Specific Objectives

• Deepen the knowledge and skills for the analysis of the needs of health professionals and the health sector, to provide solutions through ICT projects

• Delve into the process by which a technological project is designed for the healthcare sector

• Master the process by which the implementation of an ICT project is carried out

• Deepen knowledge for the evaluation of ICT projects

• Explore in depth the different areas and sectors where telemedicine is in operation

Your goals and TECH's goals become one and materialize with this Postgraduate Certificate"

03
Course Management

This Postgraduate Certificate has been designed by a team of highly renowned professionals within the profession. The teaching staff will be in charge of helping students acquire solid knowledge in Telemedicine and its applied technologies. Thus, students will be able to extract the greatest academic and professional value from the program, since it helps them position themselves in the field with greater guarantees of success.

A prestigious teaching staff will accompany you throughout your academic process"

Management

Dr. Serrano Aísa, Pedro Javier

- Consultant physician in the area of Cardiology of the Aragonese Health Service Since 2000 he has been working at the Hospital Clínico Universitario de Zaragoza
- Associate Professor ASP4 in the area of Physiology and Pharmacology in the Faculty of Medicine in Zaragoza
- Cardiology Care at the ADESLAS Zaragoza Medical Center and at the MAZ Center in Ejea de Los Caballeros
- Head of the Cardiology Department at Viamed Montecanal Hospital in Zaragoza
- Director of Cardiomoncayo S.L. (primarily providing Cardiological health care services)
- Degree in Medicine and Surgery from the University of Zaragoza
- Doctor of Medicine and Surgery from the University of Zaragoza

Dr. Achkar Tuglaman, Nesib Nicolás

- Director of Clinical Telemedicine at AtrysHealth
- Co-founder of the International Telemedicine Hospital
- Associate Professor in Biomedical Engineering at the Carlos III University of Madrid
- Specialist in Family and Community Medicine
- Degree in Medicine from the University of Navarra
- Professional Master's Degree in Medical Research from the University of Zaragoza
- Master' s Degree in Telemedicine from Oberta de Catalunya University (UOC)

Dr. Sánchez Bocanegra, Carlos Luis

- Head of the IT Department of the Junta de Andalucía (Regional Government of Andalusia)
- Collaborating Professor at the University of Distance Education (UNED) and the Open University of Catalonia (UOC)
- Director of several Professional Master's Degree Final Projects at Italiano University Hospital in Argentina and the School of Medicine at the University of Antioquia
- PhD in Computer Engineering from the University of Seville, specializing in Medical Informatics and eHealth
- Master's Degree in Free Software by the Open University of Catalonia (UOC)
- Computer Management Engineer from the University of Malaga (UMA)
- Graduate in Information Systems Engineering from the Catholic University of Avila (UCAV)
- Member of HOPE (Health Operation for Personalized Evidence) project group and of the Anti-Vaccine Project Author of several articles on ePatients, social networks and social media applied to health Currently focused on Big Data and Artificial Intelligence applied to health and medical computing

04
Structure and Content

This academic program has been designed by a team of experts in telemedicine and new technologies. And TECH ensures the syllabus will enable future graduates to achieve their professional goals. You will develop complete expertise in a field of medicine that has become indispensable and is now well established, guiding you to achieve excellence in a booming sector. A high-level syllabus that will become a necessary tool to support students in their daily practice.

This syllabus will become the necessary theoretical support for students in their daily practice"

Module 1. Telemedicine Project Strategy, Implementation and Evaluation

1. Technological Innovation Models and their Application in the Health Sector
2. Healthcare Needs Analysis for the Creation of Projects
3. Design of Technological Projects for the Health Sector
4. Research Principles for Healthcare Technology Assessment
5. Viability of Healthcare Projects
6. Telemedicine Apps in the Healthcare Environment
7. Telemedicine for Immediate or Urgent Care
  7.1. Tele-Heart Attack
  7.2. Tele-Stroke
  7.3. Primary Care Consultation
8. Use of Telemedicine in Prediction, Prevention and Diagnosis
  8.1. Teledermatology
  8.2. Teleophthalmology
  8.3. Telecardiology
  8.4. Teleradiology
9. Telemedicine in Healthcare Intervention and Treatment
  9.1. Telerehabilitation
  9.2. Teleulcer
  9.3. Telesurgery
10. Application of Telemedicine in Specific Areas
  10.1. Mental Health
  10.2. Geriatrics
  10.3. Chronic Patients
  10.4. Rare Diseases
  10.5. Nursing

A unique academic experience specially designed to lead physicians to success"

Methodology

This training program provides you with a different way of learning. Our methodology uses a cyclical learning approach: *Re-learning*.

This teaching system is used 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 Re-learning, 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"

At TECH we use the Case Method

In a given situation, what would you do? Throughout the program, you will be presented with multiple simulated clinical cases based on real patients, where you will have to investigate, establish hypotheses and, finally, resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

With TECH you can experience a way of learning that is shaking the foundations of traditional universities around the world.

According to Dr. Gérvas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a "case", an example or model that illustrates some peculiar clinical component, either because of its teaching potential or because of its uniqueness or rarity. It is essential that the case is based on current professional life, trying to recreate the real conditions in professional medical practice.

Did you know that this method was developed in 1912 at Harvard for law students? The case method consisted of presenting students with real-life, complex situations for them to make decisions and justify their decisions on how to solve them. In 1924, Harvard adopted it as a standard teaching method"

The effectiveness of the method is justified by four fundamental achievements:

1. Students who follow this method not only grasp concepts, but also develop their mental capacity by evaluating real situations and applying their knowledge.

2. The learning process has a clear focus on practical skills that allow the student to better integrate into the real world.

3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.

4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.

Re-learning Methodology

At TECH we enhance the Harvard case method with the best 100% online teaching methodology available: Re-learning.

Our University is the first in the world to combine the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, which represent a real revolution with respect to simply studying and analyzing cases.

The physician will learn through real cases and by solving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning.

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)

At the forefront of world teaching, the Re-learning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best Spanish-speaking online university (Columbia University).

With this methodology we have trained more than 250,000 physicians with unprecedented success, in all clinical specialties regardless of the surgical load. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

Re-learning 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.

In our program, learning is not a linear process, but rather a spiral (we learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

The overall score obtained by our learning system is 8.01, according to the highest international standards.

In this program you will have access to the best educational material, prepared with you 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 really specific and precise.

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.

Latest Techniques and Procedures on Video

We introduce you to the latest techniques, to the latest educational advances, to the forefront of current medical techniques. All this, in first person, with the maximum rigor, explained and detailed for your assimilation and understanding. And best of all, you can watch them as many times as you want.

Interactive Summaries

We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

This unique multimedia content presentation training system was awarded by Microsoft as a "European Success Story".

Additional Reading

Recent articles, consensus documents, international guides. in our virtual library you will have access to everything you need to complete your training.

20%

15%

15%

3%

20%

17%

7%

3%
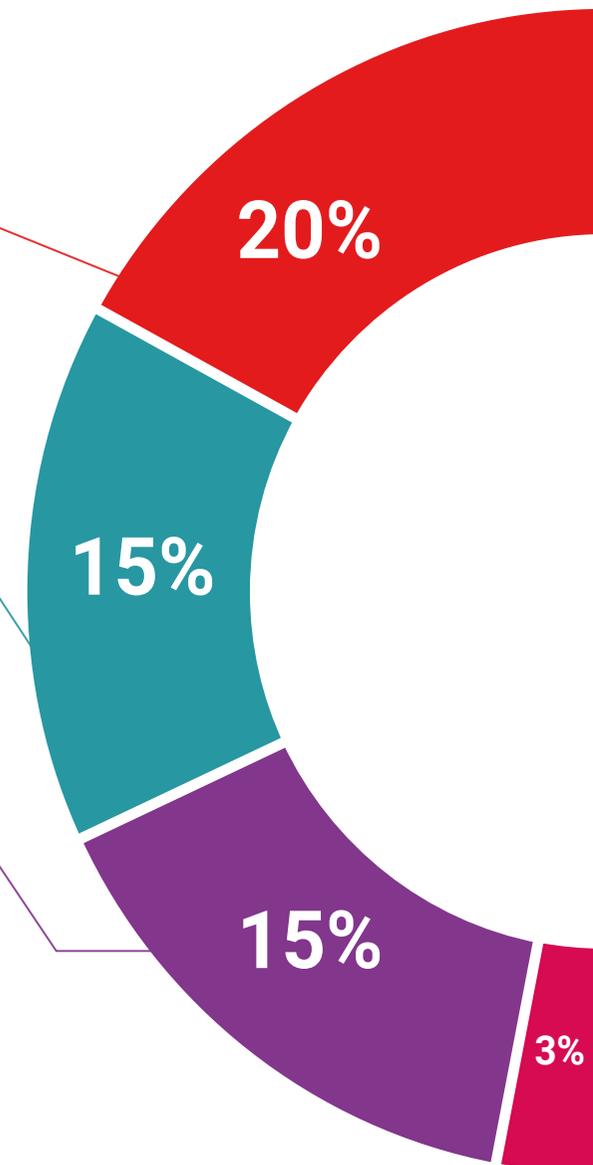
Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, we will present you with real case developments in which the expert will guide you through focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.

Testing & Retesting

We periodically evaluate and re-evaluate your knowledge throughout the program, through assessment and self-assessment activities and exercises: so that you can see how you are achieving your goals.

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 our difficult future decisions.

Quick Action Guides

We offer you the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help you progress in your learning.

06
Certificate

Through a different and stimulating learning experience, you will be able to acquire the necessary skills to take a big step in your training. An opportunity to progress, with the support and monitoring of a modern and specialized university, which will propel you to another professional level.

Add to your CV a Postgraduate Certificate in Strategy, Implementation and Evaluation of Telemedicine Projects and become a highly competitive professional"

This **Postgraduate Certificate in Strategy, Implementation and Evaluation for Telemedicine Projects** is the most comprehensive and up-to-date educational 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 Strategy, Implementation and Evaluation for Telemedicine Projects**

ECTS: **6**

Official Number of Hours: **150**

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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
Strategy, Implementation and Evaluation for Telemedicine Projects

This is a qualification awarded by this University, with 6 ECTS credits and 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 Apostilled, TECH EDUCATION will make the necessary arrangements to obtain it at an additional cost of €140 plus shipping costs of the Apostilled diploma.

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