

Postgraduate Diploma

Personalization of Care and Emotional Support with Artificial Intelligence in Nursing



Postgraduate Diploma Personalization of Care and Emotional Support with Artificial Intelligence in Nursing

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Global University
- » Accreditation: 18 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: www.techtitute.com/us/nursing/postgraduate-diploma/postgraduate-diploma-personalization-care-emotional-support-artificial-intelligence-nursing

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01

Introduction to the Program

Personalized care and emotional support have become essential pillars for improving the quality of patient care. In view of this, Artificial Intelligence is emerging as a valuable tool for analyzing large volumes of clinical data and individualizing therapeutic plans according to people's specific requirements. Faced with this reality, professionals need to incorporate the most effective strategies for efficiently managing intelligent systems into their clinical practice. Only in this way will they be able to maximize the quality of their interventions and guarantee an improvement in the well-being of users. To facilitate this task, TECH presents an exclusive online university program focused on the personalization of care and psychological assistance through machine learning.



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Thanks to this fully online program, you will master the most modern Artificial Intelligence techniques to optimize the Personalization of Care and Emotional Support for patients”

According to a recent report published by the World Health Organization, Mental Illnesses will represent approximately 16% of the global burden of disease. This fact highlights the urgency of improving care approaches through highly personalized therapeutic care. In this context, Artificial Intelligence offers nurses numerous benefits for both the collection and analysis of health data in real time. In turn, these insights favor the implementation of preventive care based on identified patterns. For this reason, experts need to have a holistic understanding of how to use this emerging technological tool to optimize people's quality of life.

In this context, TECH has created an innovative program in Personalization of Care and Emotional Support with Artificial Intelligence in Nursing. Designed by leaders in this healthcare field, the syllabus will delve into factors ranging from the creation of conversational assistants for psychological support or security techniques to verify the confidentiality of clinical data to the use of virtual reality to address Anxiety Disorders. The syllabus will also provide professionals with various strategies to automate clinical management tasks such as resource planning, medical equipment management and appointment scheduling. In this way, graduates will gain advanced skills to master the main techniques of machine learning in order to develop efficient solutions that considerably improve the quality of patient care.

On the other hand, TECH offers a 100% online educational environment to adapt to the needs of busy professionals looking to advance their careers. In addition, it uses its innovative Relearning system to ensure a natural, efficient and immediate updating of knowledge. In this line, the only thing nurses will need is an electronic device with an Internet connection to access the Virtual Campus, even their own smartphone will do.

This **Postgraduate Diploma in Personalization of Care and Emotional Support with Artificial Intelligence in Nursing** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ The development of case studies presented by experts in Artificial Intelligence applied to Nursing
- ♦ The graphic, schematic and eminently practical contents with which it is conceived gather scientific and practical information on those disciplines that are indispensable for professional practice
- ♦ Practical exercises where the self-assessment process can be carried out to improve learning
- ♦ Its special emphasis on innovative methodologies
- ♦ Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- ♦ Content that is accessible from any fixed or portable device with an Internet connection



You will implement various security techniques to protect users' sensitive clinical information and ensure compliance with the legal regulations corresponding to the use of intelligent systems"

“

Through the ground-breaking Relearning system powered by TECH, you will assimilate all knowledge optimally to elevate your practice as a nurse to a higher level”

The program's teaching staff includes professionals from the field who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

The multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide immersive education programmed to learn 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 course. For this purpose, students will be assisted by an innovative interactive video system created by renowned experts.

You will learn more about using Qventus to carry out the appropriate allocation of hospital resources such as bed management.

You will create operational Conversational Assistants that are available 24 hours a day to provide continuous emotional support to individuals.



02

Why Study at TECH?

TECH is the world's largest online university. With an impressive catalog of more than 14,000 university programs available in 11 languages, it is positioned as a leader in employability, with a 99% job placement rate. In addition, it relies on an enormous faculty of more than 6,000 professors of the highest international renown.



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*Study at the world's largest online university
and guarantee your professional success.
The future starts at TECH”*

The world's best online university, according to FORBES

The prestigious Forbes magazine, specialized in business and finance, has highlighted TECH as "the best online university in the world" This is what they have recently stated in an article in their digital edition in which they echo the success story of this institution, "thanks to the academic offer it provides, the selection of its teaching staff, and an innovative learning method oriented to form the professionals of the future".

Forbes

The best online university in the world

The most complete
syllabus

The most complete syllabuses on the university scene

TECH offers the most complete syllabuses on the university scene, with programs that cover fundamental concepts and, at the same time, the main scientific advances in their specific scientific areas. In addition, these programs are continuously updated to guarantee students the academic vanguard and the most demanded professional skills. and the most in-demand professional competencies. In this way, the university's qualifications provide its graduates with a significant advantage to propel their careers to success.

The best top international faculty

TECH's faculty is made up of more than 6,000 professors of the highest international prestige. Professors, researchers and top executives of multinational companies, including Isaiah Covington, performance coach of the Boston Celtics; Magda Romanska, principal investigator at Harvard MetaLAB; Ignacio Wistumba, chairman of the department of translational molecular pathology at MD Anderson Cancer Center; and D.W. Pine, creative director of TIME magazine, among others.

TOP
international faculty



The most effective methodology

A unique learning method

TECH is the first university to use Relearning in all its programs. This is the best online learning methodology, accredited with international teaching quality certifications, provided by prestigious educational agencies. In addition, this innovative academic model is complemented by the "Case Method", thereby configuring a unique online teaching strategy. Innovative teaching resources are also implemented, including detailed videos, infographics and interactive summaries.

The world's largest online university

TECH is the world's largest online university. We are the largest educational institution, with the best and widest digital educational catalog, one hundred percent online and covering most areas of knowledge. We offer the largest selection of our own degrees and accredited online undergraduate and postgraduate degrees. In total, more than 14,000 university programs, in ten different languages, making us the largest educational institution in the world.

World's No.1

The World's largest online university

The official online university of the NBA

TECH is the official online university of the NBA. Thanks to our agreement with the biggest league in basketball, we offer our students exclusive university programs, as well as a wide variety of educational resources focused on the business of the league and other areas of the sports industry. Each program is made up of a uniquely designed syllabus and features exceptional guest hosts: professionals with a distinguished sports background who will offer their expertise on the most relevant topics.

Leaders in employability

TECH has become the leading university in employability. Ninety-nine percent of its students obtain jobs in the academic field they have studied within one year of completing any of the university's programs. A similar number achieve immediate career enhancement. All this thanks to a study methodology that bases its effectiveness on the acquisition of practical skills, which are absolutely necessary for professional development.



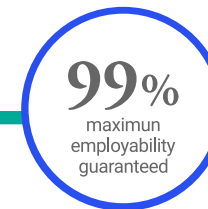
Google Premier Partner

The American technology giant has awarded TECH the Google Premier Partner badge. This award, which is only available to 3% of the world's companies, highlights the efficient, flexible and tailored experience that this university provides to students. The recognition not only accredits the maximum rigor, performance and investment in TECH's digital infrastructures, but also places this university as one of the world's leading technology companies.



The top-rated university by its students

Students have positioned TECH as the world's top-rated university on the main review websites, with a highest rating of 4.9 out of 5, obtained from more than 1,000 reviews. These results consolidate TECH as the benchmark university institution at an international level, reflecting the excellence and positive impact of its educational model.



03 Syllabus

Through this university program, nurses will have comprehensive knowledge of the fundamentals of Artificial Intelligence to improve clinical care. To this end, the teaching content will delve into issues ranging from the creation of individualized conversation assistants or the use of virtual reality to support motor rehabilitation to the use of specialized software such as IBM Watson Health to optimize the management of clinical resources. Thanks to this, graduates will gain advanced skills in using intelligent systems to individualize therapeutic plans and significantly improve the general well-being of patients.



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You will use Virtual Reality as a therapeutic tool to help patients overcome emotional disorders such as fear of heights or panic in enclosed spaces”

Module 1. Application of Conversational Assistants in Artificial Intelligence for Nursing

- 1.1. Introduction to Conversational Assistants in Artificial Intelligence for Nursing
 - 1.1.1. Context of Artificial Intelligence in Health and Its Application in Nursing
 - 1.1.2. Benefits of Conversational Assistants in Nursing Care
 - 1.1.3. Specific Applications in Nursing
 - 1.1.4. Trends in Conversational Assistants in the Healthcare Sector
- 1.2. Types of Conversational Assistants in Healthcare
 - 1.2.1. Types of Conversational Assistants in Healthcare (Synthesia, Heygen)
 - 1.2.2. Differences between Assistants in Support, Diagnostic, and Follow-Up Functions
 - 1.2.3. Examples of Conversational Assistants and Nursing Use Cases
 - 1.2.4. Comparison between Automated Assistants and Hybrid Assistants (with Human Intervention)
- 1.3. Implementation of Conversational Assistants in Healthcare
 - 1.3.1. Advantages of Assistants in the Healthcare Environment for Nurses
 - 1.3.2. Challenges in the Implementation of Assistants in Clinical Processes
 - 1.3.3. Technical Requirements for Implementation in Healthcare
 - 1.3.4. Evaluation of Effectiveness and Benefits in the Educational Healthcare Setting
- 1.4. Creating Personalized Assistants in ChatGPT
 - 1.4.1. Introduction to the Creation of a Chatbot in ChatGPT
 - 1.4.2. Process of Customizing a Nursing Assistant (Part 1)
 - 1.4.3. Process of Customizing a Nursing Assistant (Part 2)
 - 1.4.4. Practical Examples of Personalized Healthcare Assistants
- 1.5. Impact of Artificial Intelligence and Automation in the Healthcare Sector
 - 1.5.1. Changes in Job Roles Due to Artificial Intelligence
 - 1.5.2. Adaptation of Nursing Professionals to Artificial Intelligence Technologies
 - 1.5.3. Effects of Conversational Assistants on the Training of the Healthcare Workforce
 - 1.5.4. Evaluation of the Impact of Automation on the Healthcare Sector
- 1.6. Integrating Conversational Assistants in Nursing Education
 - 1.6.1. Role of Conversational Assistants in Clinical Learning
 - 1.6.2. Using Conversational Assistants in Clinical Case Simulations
 - 1.6.3. Application in Clinical Practice and Decision Making
 - 1.6.4. Tools for Continuing Education with Assistants

- 1.7. Conversational Assistants in the Emotional Support of Patients
 - 1.7.1. Applications of Assistants for Emotional Accompaniment
 - 1.7.2. Examples of Conversational Assistants in Psychological Support
 - 1.7.3. Limitations in the Emotional Support of Conversational Assistants
 - 1.7.4. Considerations for the Use of Artificial Intelligence in Emotional Support
- 1.8. Improving Efficiency and Patient Care with Artificial Intelligence Assistants
 - 1.8.1. Managing Queries and Frequently Asked Questions with Assistants
 - 1.8.2. Optimizing Patient-Nurse Communication
 - 1.8.3. Assistant Applications in Care Coordination
 - 1.8.4. Evaluation of the Impact of Assistants on Clinical Efficiency
- 1.9. Development and Customization of Conversational Tools for Nurses
 - 1.9.1. Process of Developing a Conversational Nurse Assistant from Scratch
 - 1.9.2. Customization for Specific Nursing Needs
 - 1.9.3. Updating and Continuous Improvement of Conversational Assistants
 - 1.9.4. Implementing Assistants in Various Healthcare Settings
- 1.10. Virtual Learning and Continuing Education in Artificial Intelligence for Nursing
 - 1.10.1. Importance of Artificial Intelligence Continuous Learning for Nursing
 - 1.10.2. Artificial Intelligence E-Learning Platforms and Assistants
 - 1.10.3. Artificial Intelligence Professional Development for Healthcare Workers
 - 1.10.4. Future of Artificial Intelligence Training for Nursing and Healthcare Workers

Module 2. Using Artificial Intelligence and Virtual Reality in Emotional Support in Nursing

- 2.1. Introduction to Artificial Intelligence-Assisted Emotional Support (Woebot)
 - 2.1.1. Concept and Relevance of Emotional Support in Artificial Intelligence
 - 2.1.2. Benefits and Limitations of Artificial Intelligence Emotional Support
 - 2.1.3. Main Applications in the Field of Mental Health
 - 2.1.4. Differences with Traditional Emotional Support
- 2.2. Chatbots in Emotional Support
 - 2.2.1. Types of Chatbots Available for Emotional Support (Replika, Wysa)
 - 2.2.2. Examples of Mental Health Chatbots
 - 2.2.3. Limitations of Chatbots in Emotional Support
 - 2.2.4. Case Studies of the Use of Chatbots in the Healthcare Sector



- 2.3. Artificial Intelligence Tools for Mental Health (Youper, Koko)
 - 2.3.1. Artificial Intelligence Success Stories in Mental Health
 - 2.3.2. Current Emotional Support Tools
 - 2.3.3. Integrating Artificial Intelligence in Mental Health Therapies
 - 2.3.4. Measuring the Effectiveness of Artificial Intelligence Tools
- 2.4. Privacy and Security in Artificial Intelligence-Assisted Emotional Support
 - 2.4.1. Importance of Privacy in Artificial Intelligence-Assisted Emotional Support
 - 2.4.2. Privacy Regulations in the Use of Artificial Intelligence in Healthcare
 - 2.4.3. Data Security in Emotional Support Systems
 - 2.4.4. Ethics and Protection of Sensitive Information
- 2.5. Comparison between Traditional Emotional Support and Emotional Support with Artificial Intelligence
 - 2.5.1. Current Challenges in Both Approaches
 - 2.5.2. Benefits of Combining Artificial Intelligence with Traditional Methods
 - 2.5.3. Case Studies in Mixed Emotional Support
 - 2.5.4. Implementation Challenges and Acceptance of Artificial Intelligence Support
- 2.6. Virtual Reality in Patient Care (Psious, RelieVRx)
 - 2.6.1. Introduction to Virtual Reality in Healthcare
 - 2.6.2. Virtual Reality Devices and Their Medical Application
 - 2.6.3. Virtual Reality in Patient Preparation
 - 2.6.4. Evolution of Virtual Reality in Healthcare
- 2.7. Virtual Reality Applications in Rehabilitation (MindMotion, VRHealth)
 - 2.7.1. Using Virtual Reality in Motor Rehabilitation
 - 2.7.2. Pain Management Using Virtual Reality
 - 2.7.3. Treatment of Phobias and Anxiety Disorders
 - 2.7.4. Examples of Successful Rehabilitation with Virtual Reality
- 2.8. Ethical Considerations in the Use of Virtual Reality
 - 2.8.1. Ethics in Virtual Reality Treatments
 - 2.8.2. Patient Safety in Virtual Environments
 - 2.8.3. Risks of Addiction and Overexposure to Virtual Reality
 - 2.8.4. Regulations in the Use of Virtual Reality in Healthcare

- 2.9. Comparison of Traditional Treatments and Virtual Reality
 - 2.9.1. Differences in the Effectiveness of Both Approaches
 - 2.9.2. Use Cases for Mixed Treatments
 - 2.9.3. Cost-Benefit Analysis
 - 2.9.4. Expert Opinion on the Use of Virtual Reality
- 2.10. Future of Virtual Reality in Patient Care
 - 2.10.1. Technological Advances in Virtual Reality Applied to Healthcare
 - 2.10.2. Predictions on the Impact of Virtual Reality on Healthcare
 - 2.10.3. Integrating Virtual Reality into Regular Medical Practices
 - 2.10.4. Future Possibilities for Virtual Reality Training

Module 3. Clinical Management and Personalization of Care with Artificial Intelligence

- 3.1. Introduction to Clinical Management with Artificial Intelligence (IBM Watson Health)
 - 3.1.1. Basic Concepts of Artificial Intelligence-Assisted Clinical Management
 - 3.1.2. Importance of Artificial Intelligence in the Optimization of Clinical Resources
 - 3.1.3. Successful Cases in the Implementation of Artificial Intelligence in Hospitals
 - 3.1.4. Analysis of Results and Improvements in Clinical Management
- 3.2. Optimizing Hospital Resources with Artificial Intelligence (Qventus)
 - 3.2.1. Bed and Resource Management with Artificial Intelligence
 - 3.2.2. Artificial Intelligence in Medical Equipment Management
 - 3.2.3. Integration of Artificial Intelligence with Existing Hospital Systems
 - 3.2.4. Benefits and Challenges of Automation in Clinical Resources
- 3.3. Comparison between Traditional Tools and Emotional Support from Artificial Intelligence
 - 3.3.1. Differences in the Efficiency of Traditional and Artificial Intelligence Tools
 - 3.3.2. Advantages of Artificial Intelligence Tools in Clinical Management
 - 3.3.3. Cost Analysis of Traditional vs. Artificial Intelligence Tools
 - 3.3.4. Case Studies of the Application of Artificial Intelligence Tools
- 3.4. Artificial Intelligence in Schedule and Appointment Management (Zocdoc, Qure4u)
 - 3.4.1. Optimization of Clinical Schedules of Artificial Intelligence
 - 3.4.2. Artificial Intelligence for Appointment Management and Consultation Scheduling
 - 3.4.3. Reducing Waiting Times through Artificial Intelligence
 - 3.4.4. Efficiency in the Allocation of Time Resources with Artificial Intelligence





- 3.5. Remote Patient Monitoring with Artificial Intelligence (Current Health, Biofourmis)
 - 3.5.1. Introduction to Remote Patient Monitoring
 - 3.5.2. Artificial Intelligence Tools for Remote Monitoring
 - 3.5.3. Early Warning Systems in Assisted Monitoring
 - 3.5.4. Telemedicine Platforms with Artificial Intelligence
- 3.6. Artificial Intelligence Applications in Chronic Diseases (Glytec, Kaia Health)
 - 3.6.1. Using Artificial Intelligence to Monitor Chronic Diseases
 - 3.6.2. Using ORMON CONNECT
 - 3.6.3. Comparison of Traditional and Artificial Intelligence-Assisted Monitoring
 - 3.6.4. Benefits of Artificial Intelligence in the Management of Chronic Diseases
- 3.7. Ethical Considerations in Artificial Intelligence Monitoring
 - 3.7.1. Ethics in the Use of Artificial Intelligence in Patient Monitoring
 - 3.7.2. Data Protection in Remote Monitoring
 - 3.7.3. Privacy Regulations in Artificial Intelligence Systems
 - 3.7.4. Examples of Successful and Ethical Practices in Monitoring
- 3.8. Personalized Care Management with Artificial Intelligence
 - 3.8.1. Introduction to Personalized Care with Artificial Intelligence
 - 3.8.2. Clinical Decision Support Systems
 - 3.8.3. Creating Personalized Advice with ChatGPT
 - 3.8.4. Artificial Intelligence Tools for Care Personalization
- 3.9. Care Planning with Artificial Intelligence (Mediktor)
 - 3.9.1. Creating Personalized Care Plans
 - 3.9.2. Benefits and Applications of Assisted Care Plans
 - 3.9.3. Comparison of Traditional and Personalized Care
 - 3.9.4. Case Studies of Artificial Intelligence Care Plans
- 3.10. Implementing Personalized Nursing Plans
 - 3.10.1. Implementing Artificial Intelligence in Personalized Nursing
 - 3.10.2. Case Studies on Care Personalization with Artificial Intelligence
 - 3.10.3. Implementation Strategies in Care Plans
 - 3.10.4. Future of Artificial Intelligence in Nursing and Personalized Care

04

Teaching Objectives

This program will provide nursing professionals with the keys to integrating Artificial Intelligence solutions in the clinical setting. At the same time, graduates will develop advanced skills to manage large volumes of data, create virtual assistants that offer psychological support to patients, and use virtual reality to personalize therapies aimed at aspects such as overcoming Phobias. Experts will also skillfully use state-of-the-art software such as Zocdoc to allocate healthcare resources efficiently. In this way, they will maximize both the operational efficiency of institutions and the quality of care for users.



“

You will use Deep Learning methods to automate administrative and clinical management tasks, increasing the efficiency of healthcare”



General Objectives

- ♦ Develop advanced skills to integrate Artificial Intelligence tools into clinical practice, improving patient care and the efficiency of care processes
- ♦ Be able to design and implement personalized conversational assistants that optimize communication and clinical information management
- ♦ Manage intelligent systems for resource planning, remote monitoring of users and individualization of care plans
- ♦ Utilize emerging technologies such as Virtual Reality to provide psychological support to individuals
- ♦ Use applications based on Artificial Intelligence to create personalized physical activity and nutrition programs
- ♦ Develop scientific dissemination resources based on specialized software, such as presentations, posters or interactive avatars
- ♦ Ensure responsible handling of sensitive personal data, complying with ethical standards and privacy regulations in the adoption of technological tools
- ♦ Implement AI-assisted remote monitoring systems to improve early detection of clinical complications and optimize the management of chronic diseases
- ♦ Design personalized care plans based on data analysis and supported by intelligent systems
- ♦ Acquire a multidisciplinary approach to facilitate rapid adaptation to changes in the healthcare environment





Specific Objectives

Module 1. Application of Conversational Assistants in Artificial Intelligence for Nursing

- ♦ Understand the context and current trends in the use of conversational assistants in health care
- ♦ Design and implement personalized conversational assistants to optimize communication, information management and emotional support
- ♦ Evaluate the benefits, challenges and technical requirements of integrating conversational assistants into clinical processes
- ♦ Apply tools such as ChatGPT for the creation of wizards tailored to specific healthcare needs

Module 2. Using Artificial Intelligence and Virtual Reality in Emotional Support in Nursing

- ♦ Delve into the applications of Artificial Intelligence in the emotional support of patients through tools such as Woebot and Replika
- ♦ Implement virtual reality programs for mental health management and rehabilitation
- ♦ Analyze the ethical and regulatory considerations related to the use of intelligent systems in emotional support
- ♦ Compare traditional and technological methods to identify best practices in psychological support

Module 3. Clinical Management and Personalization of Care with Artificial Intelligence

- ♦ Skillfully manage IBM Watson Health to efficiently manage resources and optimize clinical planning
- ♦ Design personalized care plans based on data analytics and AI technologies
- ♦ Establish remote patient monitoring systems to improve continuity and quality of care
- ♦ Analyze the effectiveness and cost-benefit of intelligent tools versus classical methods in clinical management



A study plan without fixed timetables or continuous assessment schedules, which will allow you to keep up to date with the latest technological advances in Nursing at your own pace”

05

Career Opportunities

This revolutionary university qualification from TECH is an exceptional opportunity for nurses looking to update their clinical skills and incorporate techniques based on Artificial Intelligence into their daily practice to improve care for individuals. Graduates will acquire advanced skills in technologies such as algorithm systems, augmented reality and machine learning. They will therefore be able to offer more individualized care and effective psychological support to significantly improve patients' quality of life.



A close-up photograph of a person's face, focusing on the eye and cheek area. The skin is severely peeling and flaking, revealing a raw, red, and inflamed surface underneath. The person's eye is closed, and their expression is one of distress or pain. The background is a soft, out-of-focus grey.

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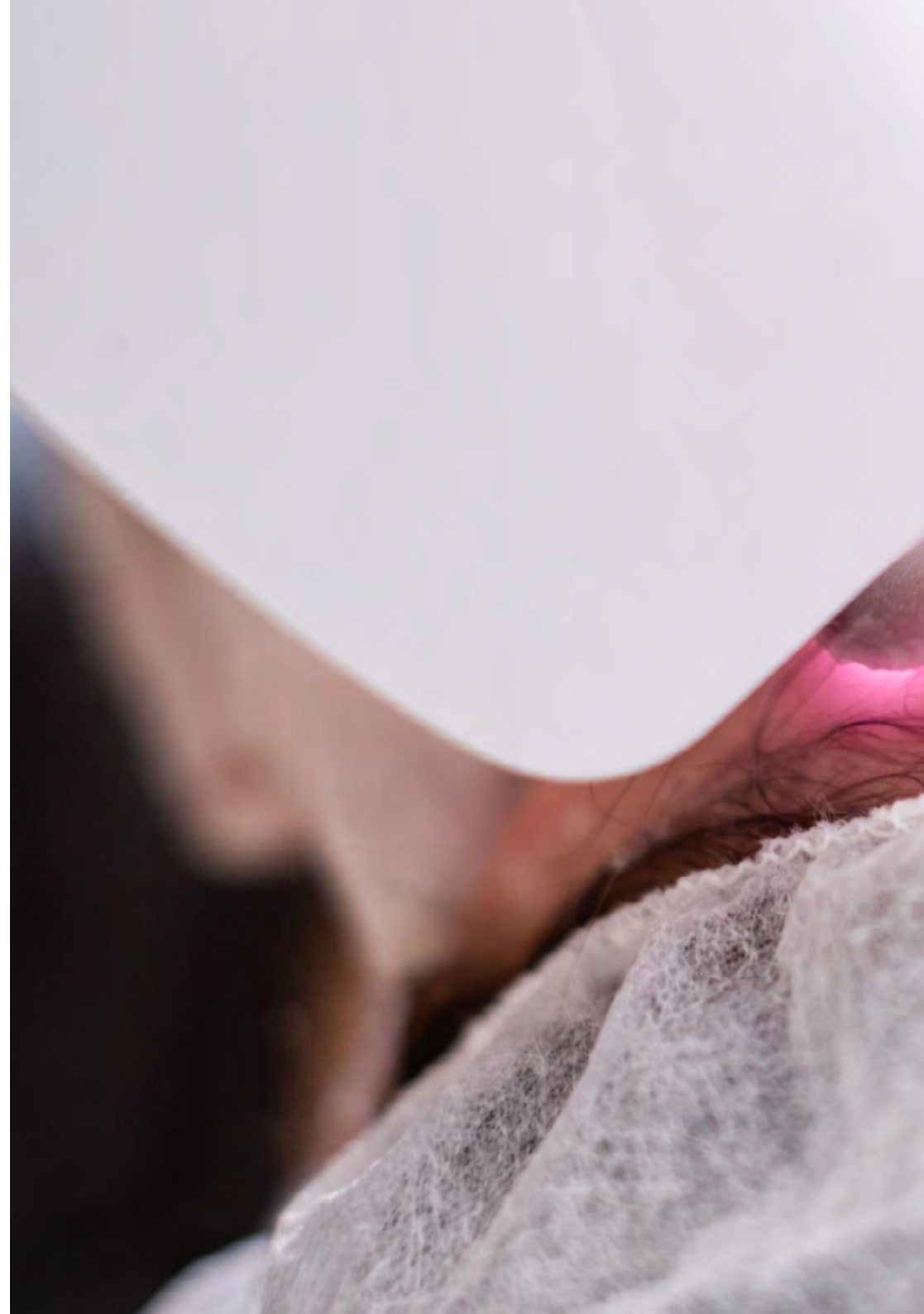
You will design Chatbots based on Artificial Intelligence to offer constant Emotional Support to individuals with Chronic Depression”

Graduate Profile

Graduates of the program in Personalization of Care and Emotional Support with Artificial Intelligence in Nursing will be highly prepared to implement intelligent systems in the clinical setting. At the same time, they will use data obtained from predictive analysis or algorithms to design personalized therapeutic plans based on the particularities of each person. In line with this, graduates will be able to use modern software based on machine learning to monitor the emotional state of individuals in real time and adjust strategies according to their evolution.

You will be able to identify patterns and trends using Machine Learning methods, which will enable you to make highly informed clinical decisions.

- ♦ **Technological Adaptation in Aesthetics Environments:** Ability to incorporate Artificial Intelligence technologies into aesthetic practice, improving the efficiency and quality of patient care
- ♦ **Clinical Problem Solving:** Ability to use critical thinking to identify and resolve specific challenges in Aesthetic Nursing, optimizing care through solutions based on intelligent systems
- ♦ **Ethical Commitment and Data Security:** Responsibility in the application of ethical principles and privacy regulations, guaranteeing the protection of user data when using advanced Artificial Intelligence technologies
- ♦ **Critical Thinking and Decision Making:** Ability to critically evaluate Deep Learning methodologies, making informed decisions that improve clinical outcomes and the satisfaction of individuals



After completing the program, you will be able to use your knowledge and skills in the following positions:

1. Nurse Specialized in Optimization of Physical Activity with Artificial Intelligence:

Responsible for designing and supervising personalized physical exercise programs using intelligent system algorithms to improve patient health

2. Specialist in Artificial Intelligence-Assisted Emotional Support: Provides psychological support to individuals using technologies such as Virtual Reality, facilitating the monitoring of emotional state and offering effective interventions

3. Integrated Health Program Manager: Leads the integration of Physical Activities, Nutrition and Emotional Support in holistic health programs, relying on Artificial Intelligence systems to optimize results

4. Health Innovation Consultant: Advises healthcare institutions on the adoption of Artificial Intelligence solutions to increase the quality of patient care

5. Health Data Analysis Manager: Their job is to collect and analyze large volumes of clinical data using Artificial Intelligence tools to extract insights that improve patient care

6. Supervisor of Ethics and Safety of Artificial Intelligence in the Healthcare Field:

Guarantees that the use of intelligent systems complies with ethical and legal regulations, protecting both the privacy and the rights of patients



You will provide consultancy services to the most prestigious health clinics, promoting their Digital Transformation to maximize their operational efficiency”

06

Study Methodology

TECH is the world's first university to combine the **case study** methodology with **Relearning**, a 100% online learning system based on guided repetition.

This disruptive pedagogical strategy has been conceived to offer professionals the opportunity to update their knowledge and develop their skills in an intensive and rigorous way. A learning model that places students at the center of the educational process giving them the leading role, adapting to their needs and leaving aside more conventional methodologies.



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TECH will prepare you to face new challenges in uncertain environments and achieve success in your career”

The student: the priority of all TECH programs

In TECH's study methodology, the student is the main protagonist.

The teaching tools of each program have been selected taking into account the demands of time, availability and academic rigor that, today, not only students demand but also the most competitive positions in the market.

With TECH's asynchronous educational model, it is students who choose the time they dedicate to study, how they decide to establish their routines, and all this from the comfort of the electronic device of their choice. The student will not have to participate in live classes, which in many cases they will not be able to attend. The learning activities will be done when it is convenient for them. They can always decide when and from where they want to study.

“

*At TECH you will NOT have live classes
(which you might not be able to attend)”*



The most comprehensive study plans at the international level

TECH is distinguished by offering the most complete academic itineraries on the university scene. This comprehensiveness is achieved through the creation of syllabi that not only cover the essential knowledge, but also the most recent innovations in each area.

By being constantly up to date, these programs allow students to keep up with market changes and acquire the skills most valued by employers. In this way, those who complete their studies at TECH receive a comprehensive education that provides them with a notable competitive advantage to further their careers.

And what's more, they will be able to do so from any device, pc, tablet or smartphone.

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TECH's model is asynchronous, so it allows you to study with your pc, tablet or your smartphone wherever you want, whenever you want and for as long as you want”

Case Studies and Case Method

The case method has been the learning system most used by the world's best business schools. Developed in 1912 so that law students would not only learn the law based on theoretical content, its function was also to present them with real complex situations. In this way, they could make informed decisions and value judgments about how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

With this teaching model, it is students themselves who build their professional competence through strategies such as Learning by Doing or Design Thinking, used by other renowned institutions such as Yale or Stanford.

This action-oriented method will be applied throughout the entire academic itinerary that the student undertakes with TECH. Students will be confronted with multiple real-life situations and will have to integrate knowledge, research, discuss and defend their ideas and decisions. All this with the premise of answering the question of how they would act when facing specific events of complexity in their daily work.



Relearning Methodology

At TECH, case studies are enhanced with the best 100% online teaching method: Relearning.

This method breaks with traditional teaching techniques to put the student at the center of the equation, providing the best content in different formats. In this way, it manages to review and reiterate the key concepts of each subject and learn to apply them in a real context.

In the same line, and according to multiple scientific researches, reiteration is the best way to learn. For this reason, TECH offers between 8 and 16 repetitions of each key concept within the same lesson, presented in a different way, with the objective of ensuring that the knowledge is completely consolidated during the study process.

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.



A 100% online Virtual Campus with the best teaching resources

In order to apply its methodology effectively, TECH focuses on providing graduates with teaching materials in different formats: texts, interactive videos, illustrations and knowledge maps, among others. All of them are designed by qualified teachers who focus their work on combining real cases with the resolution of complex situations through simulation, the study of contexts applied to each professional career and learning based on repetition, through audios, presentations, animations, images, etc.

The latest scientific evidence in the field of Neuroscience points to the importance of taking into account the place and context where the content is accessed before starting a new learning process. Being able to adjust these variables in a personalized way helps people to remember and store knowledge in the hippocampus to retain it in the long term. This is a model called Neurocognitive context-dependent e-learning that is consciously applied in this university qualification.

In order to facilitate tutor-student contact as much as possible, you will have a wide range of communication possibilities, both in real time and delayed (internal messaging, telephone answering service, email contact with the technical secretary, chat and videoconferences).

Likewise, this very complete Virtual Campus will allow TECH students to organize their study schedules according to their personal availability or work obligations. In this way, they will have global control of the academic content and teaching tools, based on their fast-paced professional update.



The online study mode of this program will allow you to organize your time and learning pace, adapting it to your schedule”

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

1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that assess real situations and the application of knowledge.
2. Learning is solidly translated into 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.

The university methodology top-rated by its students

The results of this innovative teaching model can be seen in the overall satisfaction levels of TECH graduates.

The students' assessment of the teaching quality, the quality of the materials, the structure of the program and its objectives is excellent. Not surprisingly, the institution became the top-rated university by its students according to the global score index, obtaining a 4.9 out of 5.

Access the study contents from any device with an Internet connection (computer, tablet, smartphone) thanks to the fact that TECH is at the forefront of technology and teaching.

You will be able to learn with the advantages that come with having access to simulated learning environments and the learning by observation approach, that is, Learning from an expert.



As such, the best educational materials, thoroughly prepared, will be available in this program:



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.

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.



Practicing Skills and Abilities

You will carry out activities to develop specific competencies and skills in each thematic field. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop within the framework of the globalization we live in.



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.

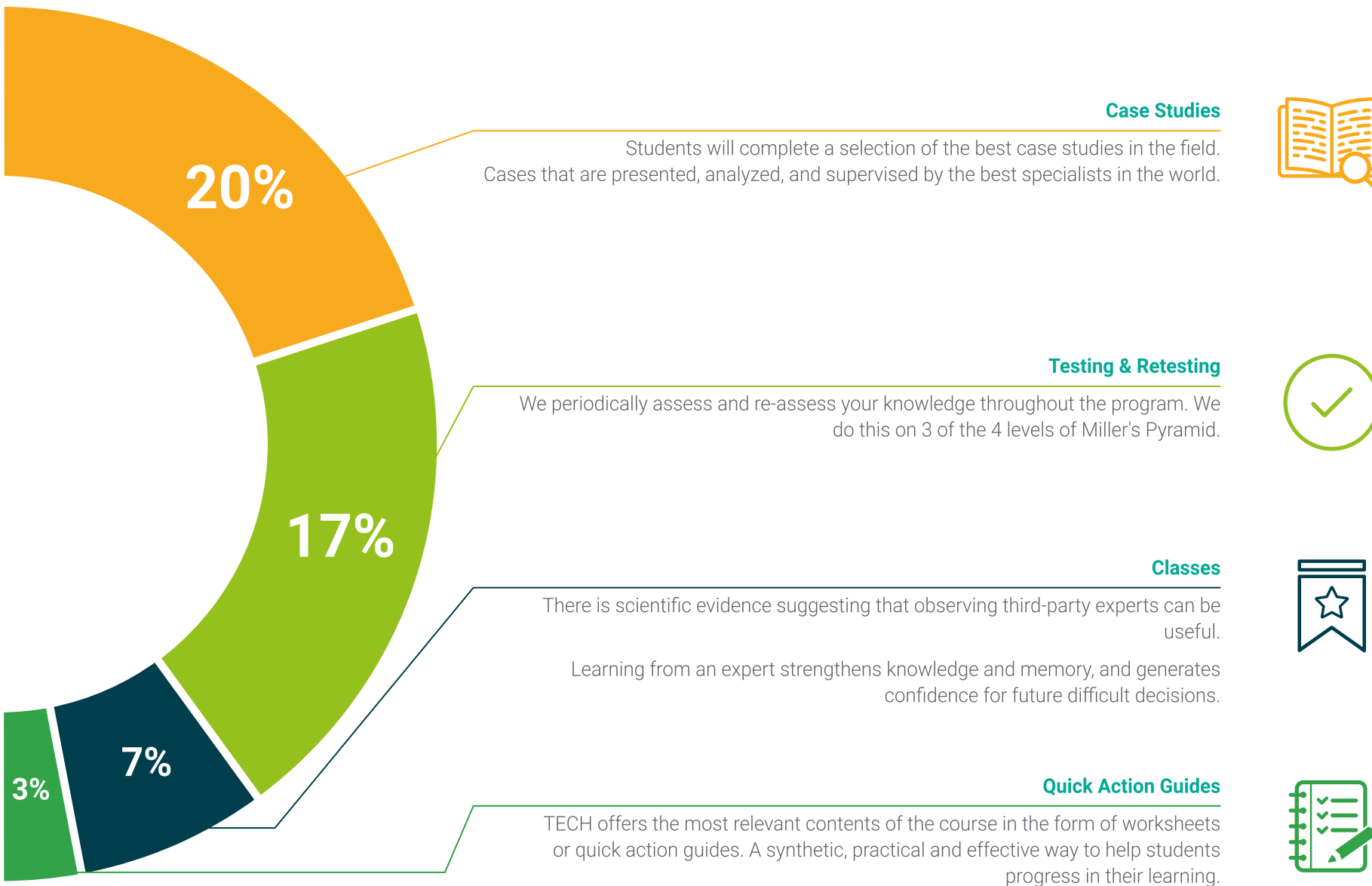
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



Additional Reading

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





07

Teaching Staff

TECH's priority is to make the most comprehensive, pragmatic and up-to-date university programs on the educational market available to everyone. For this reason, it carries out a meticulous process to establish each of its teaching staff. Thanks to this effort, this program will be taught by renowned experts in the application of Artificial Intelligence in the field of Nursing. These professionals have extensive work experience, where they have optimized the quality of life of many patients through the adoption of intelligent systems. Graduates will therefore have access to an immersive experience that will considerably improve their daily clinical practice.



“

You will have access to a university program developed by true experts in the integration of Artificial Intelligence into the field of Nursing”

Management



Dr. Peralta Martín-Palomino, Arturo

- CEO and CTO at Prometheus Global Solutions
- CTO at Korporate Technologies
- CTO at AI Shepherds GmbH
- Consultant and Strategic Business Advisor at Alliance Medical
- Director of Design and Development at DocPath
- Doctorate in Psychology from the University of Castilla La Mancha
- Doctorate in Economics, Business and Finance from the Camilo José Cela University
- Doctorate in Psychology from University of Castilla La Mancha
- Master's Degree in Executive MBA from the Isabel I University
- Master's Degree in Sales and Marketing Management from the Isabel I University
- Expert Master's Degree in Big Data by Hadoop Training
- Master's Degree in Advanced Information Technologies from the University of Castilla La Mancha
- Member of: SMILE Research Group



Professors

Mr. Popescu Radu, Daniel Vasile

- ♦ Independent Specialist in Pharmacology, Nutrition and Dietetics
- ♦ Freelance Producer of Didactic and Scientific Content
- ♦ Nutritionist and Community Dietitian
- ♦ Community Pharmacist
- ♦ Researcher
- ♦ Master's Degree in Nutrition and Health from the Open University of Catalonia
- ♦ Master's Degree in Psychopharmacology from the University of Valencia
- ♦ Pharmacist from the Complutense University of Madrid
- ♦ Nutritionist-Dietitian by the European University Miguel de Cervantes

Mr. Del Rey Sánchez, Alejandro

- ♦ In Charge of Implementing Programs to Improve Tactical Emergency Care
- ♦ Degree in Industrial Organization Engineering
- ♦ Certification in Big Data and Business Analytics
- ♦ Certification in Microsoft Excel Advanced, VBA, KPI and DAX
- ♦ Certification in CIS Telecommunication and Information Systems

Ms. Del Rey Sánchez, Cristina

- ♦ Talent Management Administrator at Securitas Seguridad España, S.L.
- ♦ Extracurricular Activities Center Coordinator
- ♦ Support classes and pedagogical interventions with Primary and Secondary Education students
- ♦ Postgraduate in Development, Delivery and Tutoring of e-Learning Training Actions
- ♦ Postgraduate in Early Childhood Care
- ♦ Degree in Pedagogy from the Complutense University of Madrid

08 Certificate

This Postgraduate Diploma in Personalization of Care and Emotional Support with Artificial Intelligence in Nursing guarantees students, in addition to the most rigorous and up-to-date education, access to a diploma for the Postgraduate Diploma issued by TECH Global University.



“

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

This private qualification will allow you to obtain a diploma for the **Postgraduate Diploma in Personalization of Care and Emotional Support with Artificial Intelligence in Nursing** endorsed by TECH Global University, the world's largest online university.

TECH Global University, is an official European University publicly recognized by the Government of Andorra ([official bulletin](#)). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

This **TECH Global University** private qualification, is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Diploma in Personalization of Care and Emotional Support with Artificial Intelligence in Nursing**

Modality: **online**

Duration: **6 months**

Accreditation: **18 ECTS**





Postgraduate Diploma

Personalization of Care and Emotional Support with Artificial Intelligence in Nursing

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Global University
- » Accreditation: 18 ECTS
- » Schedule: at your own pace
- » Exams: online

Postgraduate Diploma

Personalization of Care and Emotional Support with Artificial Intelligence in Nursing

