

# Postgraduate Diploma Pediatric Care for Nursing





## Postgraduate Diploma Pediatric Care for Nursing

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

Website: [www.techtitute.com/us/nursing/postgraduate-diploma/postgraduate-diploma-pediatric-care-nursing](http://www.techtitute.com/us/nursing/postgraduate-diploma/postgraduate-diploma-pediatric-care-nursing)

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# 01

# Introduction

Pediatric nurses have an important role in the care and control of the different phases of a child's growth, establishing care plans that guarantee health and disease prevention by working closely with the child's families and caregivers, and ensuring the well-being of the patient. This course is designed to update the nursing professional in a practical way and adapted to their needs.





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*Training and constantly updating the knowledge of nursing professionals is a necessity for them to acquire the knowledge, skills and attitudes that will enable them to care for a child in all their dimensions and at all levels of care”*

Children constitute one of the most vulnerable groups in terms of morbidity and mortality, naturally due to the special conditions in which they find themselves during the perinatal stage and infancy, related to the biological processes of reproduction, growth and development.

Prevention, in addition to family education, is essential to maintain the health status of children. Both inpatient and outpatient pediatric services, as well as the professionals working in them, play a fundamental role in pediatric care.

In addition to their general education, nursing professionals who perform their care function in pediatric patient care services must have acquired the necessary knowledge and skills for their daily practice with this type of patient, and it is essential to constantly update this knowledge and skills through adapted teaching programs.

The Pediatric Nursing professional, among their attributions, should be able to provide comprehensive care to children in the different stages of their lives, including all aspects related to the provision of care in the school period up to adolescence and in emergency situations, as well as the management and application of advanced life support techniques.

This Postgraduate Diploma in Pediatric Care for Nursing is oriented to enable the physician to incorporate the advances that are taking place in the discipline, in addition to reviewing the most important aspects of emergency care in pediatric patients.

This **Postgraduate Diploma in Pediatric Care for Nursing** contains the most complete and up-to-date scientific program on the market. Its most notable features are:

- ◆ Clinical cases presented by experts. The graphic, schematic, and practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice
- ◆ Diagnostic and therapeutic innovations in child care. Includes Pediatric Life Support
- ◆ Specific sections in each module on nursing techniques and procedures according to the child's age. As well as the management of the main emergencies in pediatrics, such as acute febrile episode, seizures, abdominal pain, rashes, wounds and burns, poisoning, stings and bites, TBI or the management of pediatric cardiorespiratory arrest, based on the latest ILCOR 2015 recommendations
- ◆ Video lessons on the different pathologies and their approach
- ◆ An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course
- ◆ Includes theoretical lectures, questions to the expert, discussion forums on controversial issues and individual reflection papers
- ◆ Content that is accessible from any fixed or portable device with an Internet connection



*This Postgraduate Diploma in Pediatric Care for Nursing contains the most complete and up-to-date scientific program on the market"*

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*This Postgraduate Diploma may be the best investment you can make when selecting a refresher program for two reasons: in addition to updating your knowledge of Pediatric Care for Nursing, you will obtain a qualification from TECH Technological University"*

Its teaching staff includes leading nursing professionals, who contribute the experience of their work to this program, as well as other professionals who specialize in the various fields of caring for children and their families.

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 an immersive academic experience programmed to learn in real situations.

This program is designed around Problem-Based Learning, whereby the student will must try to solve the different professional practice situations that arise during the course. For this reason, they will be assisted by an innovative, interactive video system created by renowned and experienced experts in pediatrics with extensive teaching experience.

*It includes simulation clinical cases to bring the content of the program closer to everyday practice.*

*Don't miss the opportunity to update your knowledge in pediatrics to increase the quality of your care.*



# 02 Objectives

The program is oriented towards a review of the main aspects of pediatric emergencies and the management of pathology in children as a whole, based on scientific evidence and the experience of recognized professionals in the field of Pediatrics.



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*This program will give you a sense of security when taking decisions and providing care, which will help you grow both personally and professionally”*



## General Objective

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- ♦ Acquire the necessary tools to provide specialized nursing care, including health promotion, disease prevention and assistance to children from school age to adolescence, as well as to detect, diagnose and treat possible pathologies

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*Make the most of the opportunity to learn about the latest advances in this field in order to apply it to your daily practice”*





## Specific Objectives

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### Module 1. Caring for Healthy Children

- ♦ Describe the different health examinations and controls in healthy child at different stages of development
- ♦ Perform the newborn accommodation procedure
- ♦ Develop a list of vaccines and identify when they should be administered

### Module 2. Care for Children with Health Problems

- ♦ Establish the vaccination schedule and vaccination in special situations
- ♦ Establish the main health problems of newborns

### Module 3. Pediatric Accidents and Emergencies

- ♦ Define nursing care in emergencies and pediatric emergencies
- ♦ Perform a protocol that provides rapid action and first aid to the infant
- ♦ Know the main medical tools for providing first aid

### Module 4. Advanced Pediatric Life Support

- ♦ Explain the basic concepts and maneuvers of pediatric advanced life support depending on the age of the child
- ♦ Identify priority first aid techniques in the absence of a doctor
- ♦ Analyze the pediatrician's action plan and their effective techniques

03

# Course Management

The program's teaching staff include leading nursing professionals and medical specialists in the field of pediatrics, who contribute the experience of their work to this specialization. In addition, other specialists of recognized prestige have participated in the creation of the contents, completing the program in an interdisciplinary manner.





*Learn about the latest advances in caring for pediatric patients from leading professionals”*

## Guest Director



### **Dr. Garcia Briñón, Miguel Ángel**

- ◆ Emergency Services Supervisor at HCSC
- ◆ Supervisor at the Neonatal Unit at HCSC
- ◆ Degree in Nursing
- ◆ Master's Degree in Health Services and Health Companies Management
- ◆ Expert in Out-of-Hospital Accidents and Emergencies at the European University of Madrid
- ◆ Nurse collaborator in the Multipharma pharmaceuticals "InMEDIATE" study

## Management



### **Ms. Alfaro Ramírez, Concepción**

- ◆ Diploma in Nursing from the Catholic University of Valencia
- ◆ Specialist Nurse in Pediatric Nursing
- ◆ Nursing Supervisor for Pediatric Services at 9 de Octubre NISA Hospital in Valencia
- ◆ University Professor in: Diploma in Neonatal Nursing and Neonatal Intensive Care CEU - Cardenal Herrera University, Moncada, Valencia
- ◆ Lecturer in Child Nutrition Course at Fundación Hospitales Nisa

## Professors

### Ms. Alonso Pérez, Marta

- ♦ Nurse in the Emergency Department at Clinical Hospital San Carlos in Madrid
- ♦ Degree in Nursing from the Complutense University of Madrid
- ♦ Master's Degree in Intensive Care Nursing from CEU San Pablo University
- ♦ Postgraduate Diploma in Nursing Processes and Interventions for Pediatric Patients in Life-threatening situations from the University of Avila
- ♦ Expert in Out-of-Hospital Accidents and Emergencies with FUDEN
- ♦ Course on Advanced Cardiopulmonary Resuscitation in Pediatrics and Neonatology

### Dr. Cozar López, Gabriel

- ♦ Nurse in the Emergency Department at Clinical Hospital San Carlos
- ♦ Diploma in Nursing from the University of Alcalá
- ♦ Master's Degree in Emergency and Critical Care in Nursing from the European University of Madrid
- ♦ Collaborator with the Health Research Institute at the Clinical Hospital San Carlos in Madrid
- ♦ Member of the teaching body of the Foundation for the Development of Nursing

### Dr. Estevez García, Adolfo

- ♦ Nurse in the Emergency Department, Hospital Clínico San Carlos, Madrid
- ♦ Diploma in Nursing from the European University of Madrid
- ♦ Specialist in Emergency Nursing and Outpatient Emergencies from the European University of Madrid
- ♦ Course on Pediatric Triage at Gregorio Marañón Hospital
- ♦ Laboratory technician specialized in Anatomic Pathology
- ♦ Nurse teaching collaborator at the Faculty of Nursing, Physiotherapy and Podiatry, Complutense University of Madrid for the clinical practice teaching of the nursing degree

### Ms. Espílez Laredo, Irene

- ♦ Nurse in the Emergency Department at the Clinical Hospital San Carlos in Madrid
- ♦ Degree in Nursing from the Complutense University of Madrid
- ♦ Master's Degree in Intensive Care from the University of Avila
- ♦ Pediatric Specialist in life-threatening situations with CODEM
- ♦ Expert in Out-of-Hospital Accidents and Emergencies

### Ms. Lorenzo Salinas, Almudena

- ♦ Nurse in the Emergency Department for adult and pediatric patients at Clinical Hospital San Carlos in Madrid
- ♦ Graduate in Nursing from the University School of Nursing Fundación Jiménez Díaz
- ♦ Specialist in Accidents and Emergencies at the School of Health Sciences of the Nursing Collegiate Organization, Center attached to the Complutense University of Madrid
- ♦ Course in Nursing in the neonatal adaptation to extrauterine life

**Ms. Lospitao Gómez, Sara**

- ♦ Cardiac Surgery Post-Surgical Intensive Care Unit (PCU) at 12 de Octubre Hospital
- ♦ Coronary Intensive Care Unit at 12 de Octubre Hospital
- ♦ Master's Degree in Critical Care from the Rey Juan Carlos I University
- ♦ Degree in Humanities from the European University of Madrid
- ♦ Degree in Nursing from the European University of Madrid
- ♦ Postgraduate Diploma in Continuing Training from the Complutense University of Madrid
- ♦ Internship tutor for undergraduate and graduate students in Nursing at the European University of Madrid (UEM) and Juan Carlos I University (URJC)
- ♦ Instructor for SVA by the National CPR Plan of SEMICYUC

**Dr. López Ruiz, María Amparo**

- ♦ Degree in Medicine and Surgery from the University of Valencia
- ♦ Pediatric Services at the 9 de Octubre University Hospital, Valencia
- ♦ University Professor in the Biomedical Sciences department at the CEU University of Cardenal Herrera-Moncada
- ♦ Postgraduate course director: Diploma in Neonatal Nursing and Neonatal Intensive Care at CEU Cardenal Herrera-Moncada University (Valencia) and NISA Hospitals Foundation (Valencia)





**Mr. Mora Rivero, Jorge**

- ♦ Diploma in Nursing from the University of Alicante
- ♦ Master's Degree in Nursing Sciences
- ♦ Emergency Department Nurse in Elche University General Hospital
- ♦ University tutor for clinical training
- ♦ Professional teaching experience in University Masters and Postgraduate Courses
- ♦ Postgraduate Diploma in Primary Care Emergencies
- ♦ Degree in Emergency Medical Transportation (SAMU)

**Ms. Roldán del Amo, Adela**

- ♦ Specialist Nurse in Pediatric Nursing
- ♦ University Diploma in Nursing from the University School of Nursing "Nuestra Señora de los Desamparados" of Valencia
- ♦ Pediatric Nurse in the Pediatric Hospitalization Unit at NISA 9 de Octubre Hospital
- ♦ University Professor in "Diploma in Neonatal Nursing and Neonatal Intensive Care" at CEU-Cardenal Herrera University, Valencia
- ♦ University professor in the "First Aid, Cardiopulmonary Resuscitation and Emergency Situations" Course at CEU-Cardenal Herrera, Valencia

04

# Structure and Content

The content structure has been designed by a team of professionals who recognize the importance of learning in pediatric nursing, who are aware of the relevance of current knowledge in order to provide quality pediatric patient care, and who are committed to teaching through new educational technologies.





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*Take the step to get up-to-date on the latest developments in Pediatric Care for Nursing”*

## Module 1. Caring for Healthy Children

- 1.1. Health Examinations
- 1.2. Scientific Evidence of Health Control Content
- 1.3. Child Development
- 1.4. Breastfeeding and Formula Feeding
- 1.5. Infant and Preschool Feeding
- 1.6. School-Age and Adolescent Nutrition
- 1.7. Vaccines
- 1.8. Four Key Ideas - Health, Promotion, Prevention and Education
- 1.9. School Health
  - 1.9.1. Health as a Cross-Cutting Issue at School
  - 1.9.2. Role of the School Nurse
  - 1.9.3. School Nursing: An Interdisciplinary Reality
- 1.10. Physical Activity as a Health Source in Children

## Module 2. Care for Children with Health Problems

- 2.1. Pediatric Dermatological Care
- 2.2. Nutrition and Endocrine Metabolism Disorders
- 2.3. Pediatric Care for Problems Related to the Digestive Tract
  - 2.3.1. Pediatric Care for Problems Related to the Digestive Tract: Gastroesophageal Reflux
  - 2.3.2. Pediatric Care for Problems Related to the Digestive Tract: Celiac Disease
  - 2.3.3. Pediatric Care for Problems Related to the Digestive Tract: Constipation
- 2.4. Psychosocial Approach in Pediatrics. ASD and ADHD
- 2.5. Pediatric Care for Problems Related to the Cardiovascular Tract. Congenital Heart Disease
- 2.6. Pediatric Care for Problems Related to the Respiratory Tract
  - 2.6.1. Pediatric Care for Problems Related to the Respiratory Tract: Managing a Child with a Persistent Cough Chronic cough
  - 2.6.2. Pediatric Care for Problems Related to the Respiratory Tract: Caring for Asthmatic Children
- 2.7. Acute Headache in Childhood
- 2.8. Palpebral and Lacrimal Pathology in Children
- 2.9. Pediatric Care for Problems Related to the Urinary Tract: UTI
- 2.10. Limping in Children



**Module 3. Pediatric Accidents and Emergencies**

- 3.1. Airway Emergencies
- 3.2. Acute Febrile Episode
- 3.3. Convulsive Disorders
  - 3.3.1. Convulsive Disorders: Epilepsy
  - 3.3.2. Convulsive Disorders: Febrile Seizures
- 3.4. Acute Abdominal Pain in Children
- 3.5. Exanthem
- 3.6. Viral and Bacterial Meningitis
- 3.7. Anaphylaxis
- 3.8. Traumatic Brain Injury (TBI) in Children
- 3.9. Intoxications
- 3.10. Other Injuries (Stings/Bites, Burns and Wounds)
  - 3.10.1. Other Injuries: Stings/ Bites
  - 3.10.2. Other Injuries: Burns and Wounds

**Module 4. Advanced Pediatric Life Support**

- 4.1. Apparent Lethal Episode
- 4.2. Recognition and Management of Critically Ill Children
- 4.3. Basic Pediatric Cardiopulmonary Resuscitation
- 4.5. Basic Concepts of Mechanical Ventilation
- 4.6. Infusion Routes and Drugs in Pediatric CPR
- 4.7. Algorithms for SVA and TTO Arrhythmias
- 4.8. Drowning
- 4.9. Thoracic Trauma. Rib Fractures and Contusions
- 4.10. Initial Pediatric Trauma Care

**“** *A unique, key, and decisive education experience to boost your professional development”*



# 05

# Methodology

This academic program offers students a different way of learning. Our methodology uses a cyclical learning approach: **Relearning.**

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.





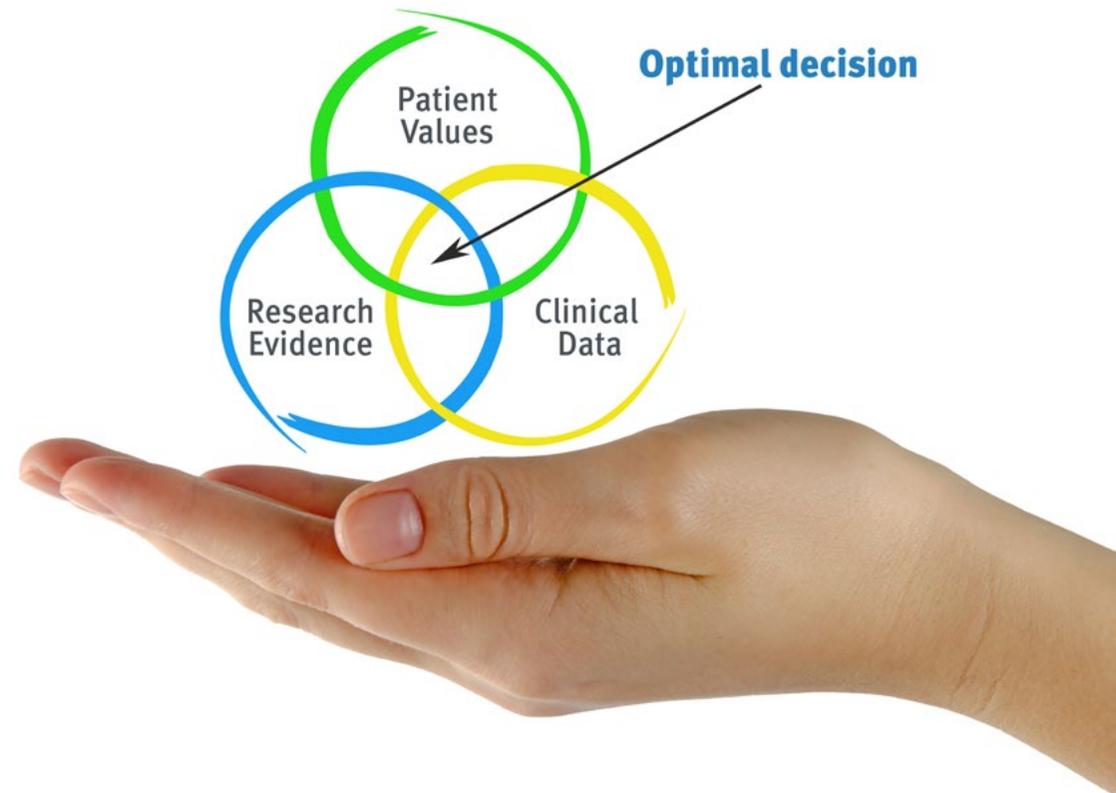
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*Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"*

## At TECH Nursing School we use the Case Method

In a given situation, what should a professional do? Throughout the program, students will face multiple simulated clinical cases, based on real patients, in which they will have to do research, establish hypotheses, and ultimately resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Nurses learn better, faster, and more sustainably over time.

*With TECH, nurses can experience a learning methodology 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 power or because of its uniqueness or rarity. It is essential that the case is based on current professional life, in an attempt to recreate the real conditions in professional nursing practice.

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*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. Nurses 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 nursing professional to better integrate knowledge acquisition into the hospital setting or primary care.
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.



## Relearning Methodology

At TECH we enhance the case method with the best 100% online teaching methodology available: Relearning.

This university is the first in the world to combine case studies with a 100% online learning system based on repetition combining a minimum of 8 different elements in each lesson, which is a real revolution compared to the simple study and analysis of cases.



*The nurse 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.*

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

With this methodology we have trained more than 175,000 nurses with unprecedented success in all specialities regardless of practical workload. Our pedagogical methodology is developed in a highly competitive environment, with a university student body with a strong socioeconomic profile and an average age of 43.5 years old.

*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.*

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

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



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 really 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.



### Nursing 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 of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch them as many times as you want.



### 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".



### 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.





#### Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, 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 students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their 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 future difficult decisions.



#### Quick Action Guides

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help students progress in their learning.



# 06 Certificate

The Postgraduate Diploma in Pediatric Care for Nursing guarantees you, in addition to the most rigorous and updated training, access to a Postgraduate Diploma issued by TECH Technological University.



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*Successfully complete this program  
and receive your university degree  
without travel or laborious paperwork”*

This **Postgraduate Diploma in Pediatric Care for Nursing** contains the most complete and up-to-dated scientific 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 Pediatric Care for Nursing**

Official N° of hours: **625 h.**



\*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.

future  
health confidence people  
education information tutors  
guarantee accreditation teaching  
institutions technology learning  
community commitment  
personalized service innovation  
knowledge present quality  
online training  
development language  
classroom

**tech** technological  
university

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