



# **SUSTAINABLE DEVELOPMENT GOALS**

**4** QUALITY  
EDUCATION



# The International Relations Program organizes lecture on Democracy in the Americas



The International Relations Program organized the online conference “La democracia en las Américas”. The lecture was presented by constitutional law expert Carlos Sánchez Berzaín, who provided his assessment on the rights and freedoms of individuals and their institutions.

The conference aimed to foster a reflective and critical analysis of the state of democracies in the Americas in light of the civil, social, cultural, and political rights and liberties of their citizens, as well as the state of their institutions. This session on the democratic state of the Americas took place virtually on May 5.

**LA DEMOCRACIA EN LAS AMÉRICAS**

**PONENTE**  
**CARLOS SÁNCHEZ BERZAÍN**

Abogado, experto en Derecho Constitucional, Magister en Ciencias Políticas y Magister en Sociología, Politólogo. Catedrático de Derecho Constitucional y Derecho Internacional Público. Director Ejecutivo del Interamerican Institute for Democracy

**CARRERA DE RELACIONES INTERNACIONALES**  
**UNIVERSIDAD PERUANA DE CIENCIAS APLICADAS**

Jueves 5 de mayo 18:00 hrs. (Lima)  
19:00 hrs. (Miami)

# I International Relations Congress: “El océano una tarea de todos”



The International Relations program held its first congress on June 8 and 9, themed “El océano una tarea de todos” The objective was to contribute to and provoke reflection on the demands and challenges of our planet’s future through the protection of the ocean and its natural resources. This initiative aligns with the 2030 Agenda and the Sustainable Development Goals (SDGs).

The conference series featured prominent national and international speakers who provided a global perspective on the legal, political, environmental, and economic aspects surrounding the ocean and its natural resources.

Among the speakers were Doaa Abdel-Motaal, advisor at the Guarini Institute of Public Affairs in Rome; José Ramón Delgado, oceanographer, diplomat, and professor of oceanology and marine pollution; Eduardo Marone, coordinator of the National Manatee Conservation Program on the Brazilian coast; Sajal Matur from India, advisor of the Trade and Environment Division; and Nicolás Roncagliolo Higuera, Peruvian ambassador in the diplomatic service.



# Book Donation Campaign



The UPC Library System implemented the project “Dona tu (un) libro y todos ganan”, which aimed to raise awareness and encourage the donation of books in good condition by the university community to a beneficiary institution.

This initiative has contributed to the development and strengthening of education within the community, thereby fostering the growth and formation of socially responsible youth.

As a result, 384 books were donated by students. The ultimate goal of this activity was to support the population served by the Ermelinda Carrera Residential Care Center, an institution that has been providing comprehensive protection to girls and adolescents in situations of abandonment and social risk for over 120 years.



However, in order to comply with donation guidelines, the Library decided to donate the books to Reciyayuda (Traperos Emaus Lima), a social organization that also supports this center, and handed over this donation to them.





# Research Resources Site



The Research Resources Site is a platform primarily aimed at the academic community (undergraduate, EPE, and postgraduate students and faculty members), as well as research faculty at UPC.

It provides access to various electronic resources such as databases of books, journals, videos, audio-books, and more. The platform contains resources subscribed by the university and others that are openly accessible to the general public.

To access the platform, please visit the following link:

<https://biblioteca.upc.edu.pe/az.php>



# University Potential Forecast (Ppu)



The PPU is an exam administered by UPC to fourth-year high school students for the past 23 years. This assessment is free and offered to various schools in Lima and other regions such as Áncash, Arequipa, Cajamarca, Cusco, Ica, Junín, Lambayeque, La Libertad, Piura, and Tacna.

In 2022, 5199 students from 137 educational institutions benefited from it. The objective of this exam was to provide students and educational institutions with information about their academic performance in numerical, reading, and science areas.

Information is provided to both students and school directors. In the case of the latter, they are offered the opportunity to have meetings with the academic coordinator to expand on the scope of the results and pedagogical suggestions. This information enables these institutions to make decisions regarding content, methodology, and didactics for the improvement of teaching and learning.



# Protagonists Route



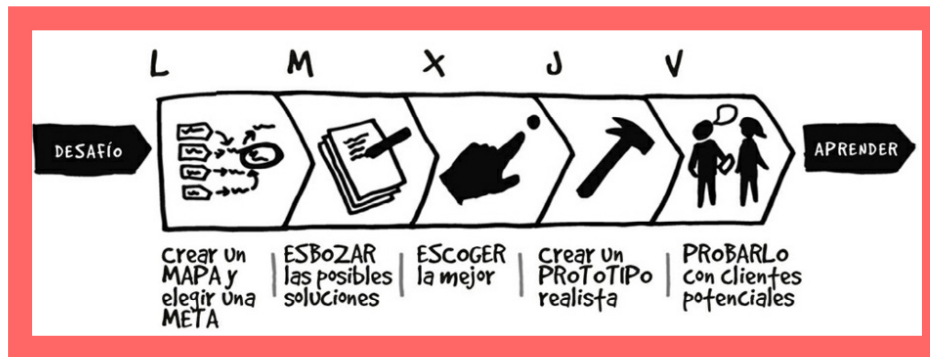
The Protagonists Route initiative, developed by UPC Entrepreneurial Initiative Unit, consisted of a series of events held throughout Peru with the aim of promoting entrepreneurship and social innovation among the youth.

As part of these events, training sessions for entrepreneurs were conducted in Puno, Cusco, Trujillo, Junín, Iquitos, and the constitutional province of Callao.

In 2022, there were more than 100 applications from 19 cities in the north, central, south, and eastern regions, with Lima and Cusco having the highest participation. Thanks to this activity, young entrepreneurs will be change agents who will transform the country.



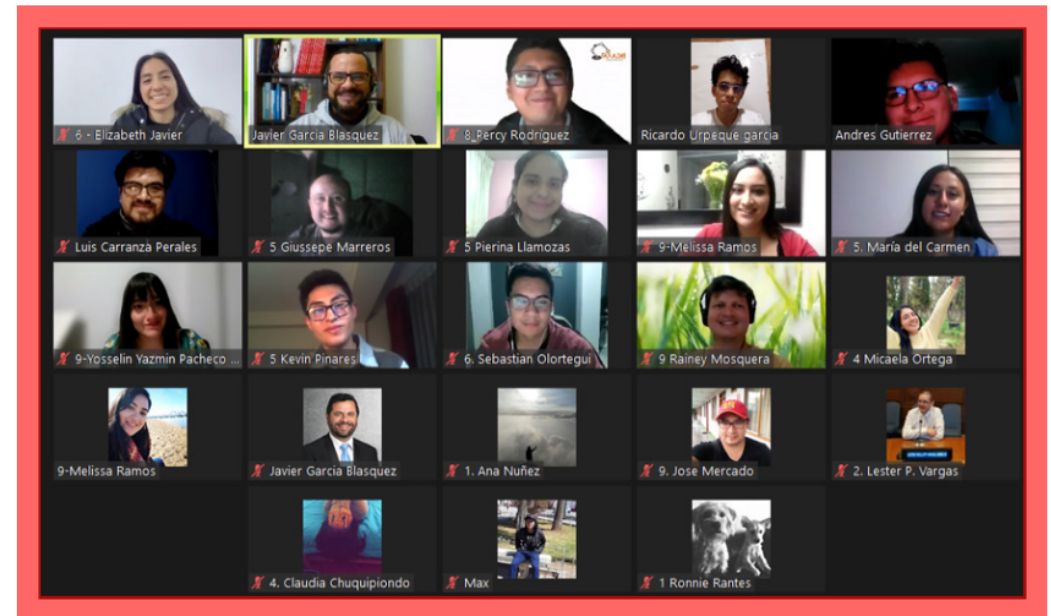
# Design Sprint



In September 2022, the virtual Design Sprint talk was held, which is a Google methodology for solving a challenge. It took place over 3 days virtually through the Zoom platform.

This activity was carried out in favor of the Protagonistas del Cambio UPC (external participants), where volunteer students collaborated with the development of the activity with the aim of addressing a big challenge.

The volunteers engaged with a social enterprise and contributed to the solution of a big challenge.



# Support for the Protagonistas del Cambio Program



**Ellos son nuestros**  
**PROTAGONISTAS**  
**DEL CAMBIO UPC 2022**



MARIA DEL CARMEN CECILIA MAYCOL GARCIA ELIZABETH JAVIER DANIEL YUPANQUI RICARDO ORPEQUE  
LISSTER PHILIPP VARGAS MELISSA RAMOS PERCY RODRIGUEZ ESTEFANIE RENTERIA CHARLES ZIVALLIS

• Este 26 de agosto se anunciaron a los 10 ganadores del programa de sostenibilidad de la UPC.

## UPC buscó a jóvenes emprendedores sociales EN TODO EL PERÚ

Universidad Peruana de Ciencias Aplicadas – UPC apuesta por los jóvenes agentes de cambio social con programa de sostenibilidad Protagonistas del Cambio UPC.

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REDACCIÓN CONTENTLAB  
10 de octubre de 2022

El deseo de transformar el Perú es el motor que impulsa cada vez a más jóvenes a buscar soluciones ante una realidad injusta. Son jóvenes que, dejando de lado su propio beneficio económico, pasan a la acción con emprendimientos o programas innovadores que abordan las distintas problemáticas del país. Un gran esfuerzo que, desde hace 12 años, **apoya y promueve la Universidad Peruana de Ciencias Aplicadas** a través del programa de sostenibilidad que impulsa la innovación social: **Protagonistas del Cambio UPC**.

El Dr. Edward Roekaert, rector de la casa de estudios, explica que esta iniciativa busca potenciar y sacar adelante las innovaciones sociales de jóvenes entre 18 y 29 años que cuenten con al menos seis meses de funcionamiento.

“Un protagonista del cambio, es quien se pone el trabajo al hombro y hace un esfuerzo por transformar una realidad para contribuir a la mejora de la calidad de vida en su comunidad. Pone toda su energía en poder mejorar aspectos sociales y ambientales principalmente, pero, además, lo hace con innovación. Esto último es lo que buscamos potenciar”, acota Roekaert.

Por otro lado, Javier García-Bláquez coordinador del programa **Protagonistas del Cambio de la Universidad Peruana de Ciencias Aplicadas - UPC**, indica “son los jóvenes quienes realizarán el cambio que necesitamos. Por ello, desde la UPC nos avocamos a encontrar a los talentos que, con innovación, generan cambios positivos en sus comunidades. Identificamos, formamos y potenciamos sus habilidades para que, a su vez, impacten de manera social en el futuro”.

Conoce a los **10 ganadores de esta edición**, en la que se presentaron **más de 200 participantes de 19 regiones del país**.

Students from the Administration and Human Resources program conducted social responsibility practices by providing training and coaching to the social entrepreneurs participating in the Protagonistas del Cambio program.

Protagonistas del Cambio is a UPC social responsi-

bility program in operation for 13 years. It provides training, recognition, visibility, and education.

It enhances the competencies of entrepreneurs through continuous training and advice with an innovative focus.



# Prospecting Workshops on UPC Campuses



From August to November 2022, prospecting workshops were held for students or graduates from different schools. The events were conducted in person at the Monterrigo and Villa UPC campuses, and San Martín de Porres Innova Schools campus.

The objective was to build loyalty with applicants through presentations and demonstrative workshops on various careers. In these workshops, prospects and applicants learned theoretical and practical concepts of Translation, Music, Engineering, and Design through activities guided by UPC faculty.





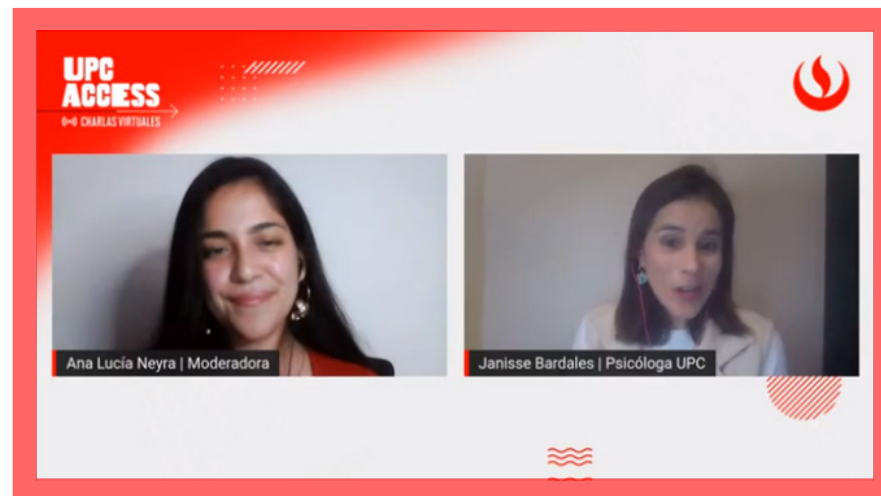
# Vocational Workshop



From August to December 2022, virtual talks were conducted with the aim of providing information, accompaniment, and guidance in the vocational search for prospective students.

757 students attended and were offered a variety of digital tools to assist them in the process of self-discovery and vocational exploration, such as talks, workshops, vocational tests, and the opportunity to schedule personalized consultations with UPC psychologists.

The necessary assistance was provided to clarify doubts about making a decision when choosing a career.



# Playground



Students of the Audiovisual Communication and Interactive Media program executed the Playground project.

The objective of this project was to highlight the importance of artistic activities in the development and strengthening of

soft skills, such as creativity, teamwork, and sociability in children.

It is a means by which parents can strengthen communication with their children and help them connect with their environment.



# Analog Photography Event “Rebol”



Students of the Audiovisual Communication and Interactive Media program executed the Rebol project.

The objective was to create more spaces like fairs that share visual art and the process of analog photography.

In this event, they revalued analog photography, prioritizing the process over the result and highlighting its artistic and cultural connotation in this form of visual creation. There were talks led by specialists and workshops on cyanotype, pinhole camera, among others.



# Participation in the 7th International Book Fair Lima Lee



Dr. Omar Awapara Franco was invited by the Metropolitan Municipality of Lima to the 7th International Book Fair Lima Lee, through the Management of Education and Sports.

The presentation of the book “Los herederos de Fujimori” (The Heirs of Fujimori) by Jose Alejandro Godoy took place. The Fair was held from September 15 to 25, 2022, at the Parque de la Exposición in Lima.



# Comprehensive Exercise Workshop for the Elderly



Students of the Physical Therapy program carried out the intervention project Tele-rehabilitation of the Elderly. The objective was to improve the quality of life for the elderly in the district of Jesus Maria, through educational interventions and applying an adapted exercise program.

A physical exercise program was carried out twice a week. This included a warm-up and training phase; a cooling-down phase and cognitive games. Likewise, virtual sessions were implemented with the same objective.



Centro del Adulto Mayor  
Av. San Felipe cuadra 3 - Jesús María

Los estudiantes de la carrera de Terapia Física  
de la UPC te invitamos al:

## Taller de Ejercicio Integral para el Adulto Mayor

Si tienes 60 años o más y quieres pasar un  
buen rato ejercitandote, jugando, bailando y  
aumentando tu energía este taller es para ti

¡TE ESPERAMOS LOS  
MIÉRCOLES Y VIERNES  
DE 12 PM - 1 PM

INGRESO LIBRE



# NAF (Accounting and Tax Support Nucleus)



This program provides free tax guidance to individuals and small businesses, and was developed by fourth-term students onwards.

It aims to promote the importance of timely payment and declaration of taxes. Prior to this, students received 20 hours of training from the National Superintendency of Customs and Tax Administration (SUNAT) from January to July 2022. A total of 1,119 consultations were conducted.

Students developed soft skills such as effective communication, research, citizenship, and social responsibility. Through this accounting support nucleus, the community is informed about the importance of formalization in our country for contributing, through taxes, to the construction of more schools, hospitals, roads, among others.

**Regímenes tributarios**

	Nuevo Régimen Único Simplificado (RNU)	Régimen Especial de Impuesto a la Renta (REI)	Régimen MYPE Tributario (RMT)	Régimen General (RG)
<b>Persona Natural</b>	SI	SI	SI	SI
<b>Persona Jurídica</b>	No	SI	SI	SI
<b>Límite de ingresos</b>	Hasta S/ 14,000.00 anuales o S/ 8,000.00 mensuales	Hasta S/ 525,000.00 anuales	Ingresos netos que no superen los 7100 UIT en el ejercicio gravable (prorrateado o del ejercicio anterior)	Sin límite
<b>Límite de compra</b>	Hasta S/ 14,000.00 anuales o S/ 8,000.00 mensuales	Hasta S/ 525,000.00 anuales	Sin límite	Sin límite

**Comprobantes de pago que puede emitir**

	Nuevo Régimen Único Simplificado (RNU)	Régimen Especial de Impuesto a la Renta (REI)	Régimen MYPE Tributario (RMT)	Régimen General (RG)
<b>Comprobantes de pago que puede emitir</b>	Boleta de venta y tickets que no den derecho a crédito fiscal, gasto o costo	Factura, boleta y todos los demás permitidos	Factura, boleta y todos los demás permitidos	Factura, boleta y todos los demás permitidos

**Declaración Jurada anual - Renta**

	Nuevo Régimen Único Simplificado (RNU)	Régimen Especial de Impuesto a la Renta (REI)	Régimen MYPE Tributario (RMT)	Régimen General (RG)
<b>Declaración Jurada anual - Renta</b>	No	No	SI	SI

**Valor de activos fijos**

	Nuevo Régimen Único Simplificado (RNU)	Régimen Especial de Impuesto a la Renta (REI)	Régimen MYPE Tributario (RMT)	Régimen General (RG)
<b>Valor de activos fijos</b>	S/ 70,000.00	S/ 120,000.00	Con excepción de los predios y vehículos	Con excepción de los predios y vehículos

**Trabajadores**

	Nuevo Régimen Único Simplificado (RNU)	Régimen Especial de Impuesto a la Renta (REI)	Régimen MYPE Tributario (RMT)	Régimen General (RG)
<b>Trabajadores</b>	Sin límite	10 por turno	Sin límite	Sin límite

**3 asistentes**

**Moderadores (2)**

- Ashley Fiorella Garcia Tapia
- Rosa Isabel Avila Alvarado

**Participante (1)**

- Pilar Ibarra

**NAF**  
NÚCLEO DE APOYO CONTABLE Y FISCAL



# Global Talks



Global Talks is a space created by a group of students from the Administration and International Business Administration program at Universidad Peruana de Ciencias Aplicadas (UPC). Its aim is to inform about current international affairs in topics such as politics, economy, culture, among others.

This platform for international projects is organized by students and is directed at the general community through social media platforms (Facebook, YouTube, WhatsApp, Instagram, TikTok).



# Green Fest



The Audiovisual Communication and Interactive Media program aims to promote the dissemination of new eco-sustainable ventures and changes in consumer habits among the public.

The project consists of the production and organization of a fair, where new and emerging Medium and Small Companies (MYPES) related to sustainable resource utilization and healthy eating are promoted and given visibility. In addition, a workshop on the preparation of vegan foods was conducted.



# #IMAGENWiiiK (Innovate, Inspire, Imagine)



The Communications and Business Image program presented a new cycle of conferences: “Image WiiiK: innovate, inspire, imagine” Vol. 9.

The event was organized by students and professors of the program. Experts in topics related to Business Communication at both national and international levels were brought together.

It took place from May 23 to June 3 and was directed at the general community. The lectures, which were both virtual and hybrid, were held on the San Isidro campus.

Entrance was free, and upon attending five sessions, participants received a certificate of participation.



# Volunteer Work at Niñoteca La Luz - Imagine



Volunteer students from the Communications and Business Image program and the Audiovisual Production Workshop course participated in setting up Niñoteca La Luz, an educational space for children in the Jicamarca community in Huachipa.

The program aimed to build an educational and cultural space for the children of the community. The activity was led by Professor Juan Yangali.





# Agreement with SERNAMP and Paracas National Reserve – Photography and Environmental Conservation Project



The direction of the Communications and Photography program led an agreement with Sernamp, which aimed to highlight the role of photography in the conservation of natural resources.

In this context, photographic sessions were held between professors, photography students, and personnel responsible for the protected natural areas of the Paracas Reserve.

Additionally, training was provided on the use of photographic equipment. The goal was to combine knowledge and raise awareness among the population through images to care for our territory and ecosystem.

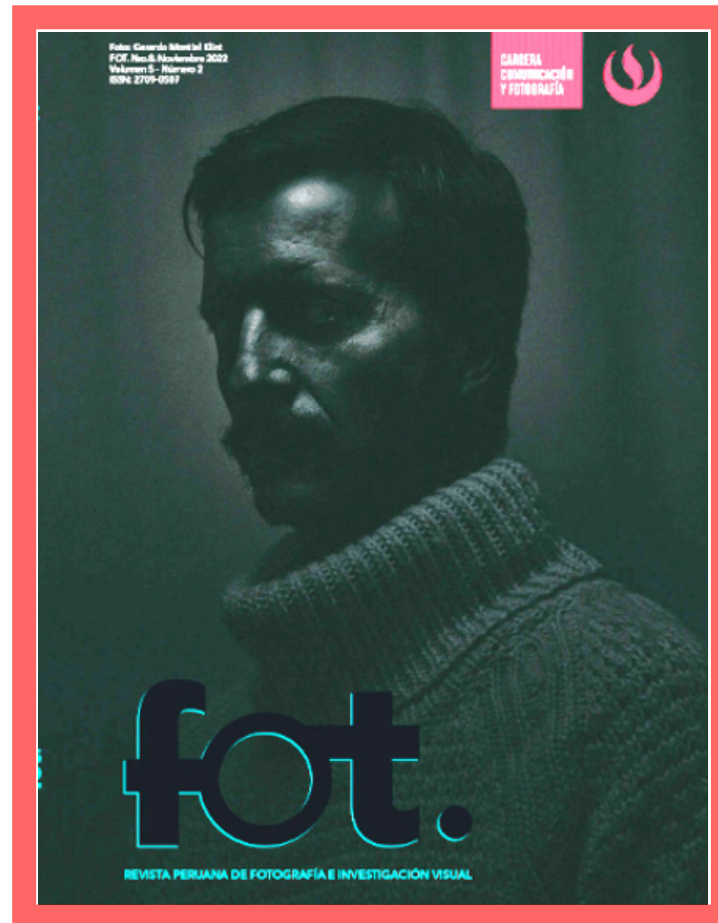


# Fot Magazine



In 2019, the Communications and Photography program launched Fot magazine with the objective of communicating, researching, and promoting photography and visual research to students, academics, and the general public.

In 2022, issues 7 and 8 of the magazine were presented. In addition, the lecturer and editor Franz Krajnik was in charge.





# Photography Contest “Imágenes para un desarrollo sostenible”



The Communication and Photography program, in collaboration with the Embassy of Israel, organized the contest ‘Imágenes para un desarrollo sostenible’. The contest themes were the Sustainable Development Goals (SDGs).

Ambassador Eran Yuvan and Mariana Montalvo, director of the Communications and Photography program at UPC, awarded prizes to the three winners of the “Imágenes para un desarrollo sostenible” contest.

The objective of the contest was to foster creativity through photography, focusing on some of the Sustainable Development Goals outlined in the UN’s 2030 agenda; related to health and well-being, quality education, gender equality, climate action, and innovation and entrepreneurship.

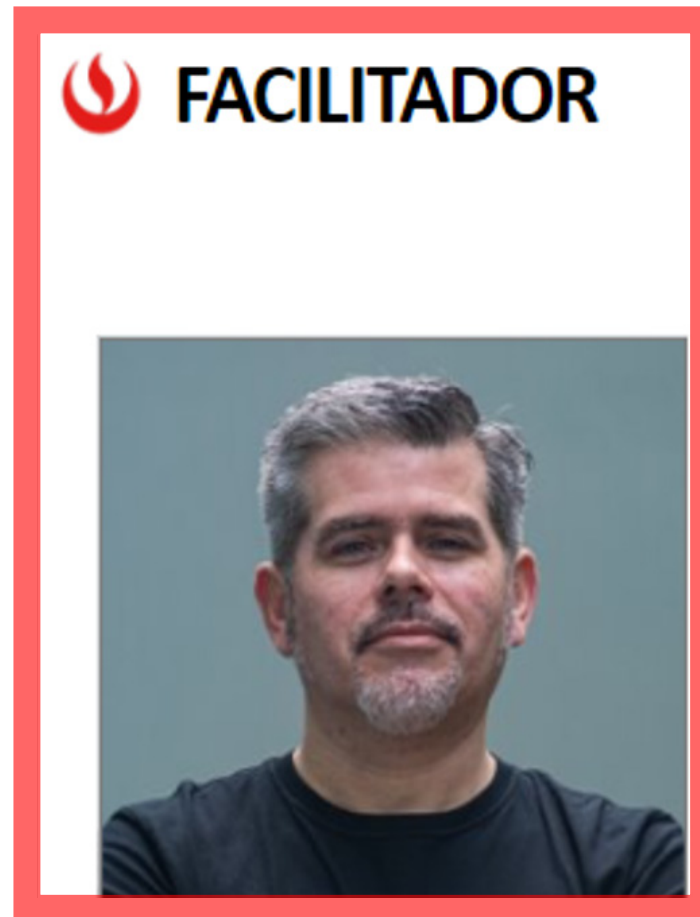


# Training for Journalists: Journalistic Coverage in Electoral Processes



The Communications and Journalism program conducted three workshops on journalistic coverage in electoral processes, with the participation of journalists from the localities of Cañete, Chincha, and Ayacucho (PERÚ LNG). These workshops were led by Professor Martín Higuera.

The workshops were held to provide current tools to journalists in order to generate good journalistic practices for informative, efficient, and ethical management within the context of an electoral campaign.



# Edition 93 of Punto Seguido Magazine



Edition 93 of Punto Seguido magazine, produced by students of CommunicationS and Journalism, raises awareness about threats to the environment.

This publication was prepared by seventh-term students in both printed and virtual formats.





# International Congress of Educators 2022



From February 15 to 17, 2022, the XXII International Congress of Educators took place. This event was organized by the Education and Learning Management program and aimed to bring the latest trends and innovations in Education Sciences based on scientific evidence to Peru for discussion, understanding, and subsequent application in designing proposals for innovation in educational centers.

The conferences were classified into six training topics: Educational Management, Curriculum and Teaching, Technologies for Learning, Multidisciplinary Education, Teacher Training and Leadership, and Psychology and Attention to Diversity. Teachers from Basic and Higher Regular Education from institutions in Lima and provinces participated.



# Project for Diabetes Prevention



Students from the Community Intervention course in the Human Medicine program at Universidad Peruana de Ciencias Aplicadas (UPC) carried out educational projects focused on health promotion and prevention in 17 communities in San Genaro (Chorrillos).

After identifying the priority problems in the communities, the students, guided by their teachers, implemented projects for the promotion and prevention of type 2 diabetes, exercise, and healthy eating habits. Healthy food baskets were distributed.

This activity took place in a community with limited resources. The need was to design interventions that would improve healthy lifestyles to prevent this disease.



# Prevention of Childhood Anaemia



Students from the Medicine program developed an intervention project for the Prevention of Childhood Anaemia in children under 5 years old.

Virtual campaigns, training sessions, promotion, and follow-ups were carried out through activities such as virtual workshops, WhatsApp groups, and phone lists.

The intervention project took place in the AA.HH. San José-San Genaro II community in the district of Chorrillos on Saturday, June 25th, 2022.

It's worth mentioning that this community is located in an area classified as extremely poor, where cases of anemia occur from an early age.





# Prevention of Overweight in Women



Students from the Medicine program implemented the intervention project for the prevention of overweight and obesity “Todos contra el sobrepeso en San Genaro”. They conducted a physical activity workshop, telephone interviews, and an educational talk.

The purpose was to intervene in the reduction of the high incidence of overweight in adult women in the San Genaro de Villa area, in the district of Chorrillos.

There is an association between poverty and obesity. It has been found that low-income families are the most vulnerable. This is compounded by sedentary behavior and poor nutrition.



# Prevention of Childhood Obesity



Students from the Medicine program carried out the intervention project “Un niño llenito no es un niño sanito: Campaña contra la obesidad infantil” for the prevention of childhood obesity.

They conducted an in-person talk about healthy practices, habits, and virtual activities with the dissemination of videos and educational material. Information was provided about their rights to access healthcare, including access to nutritionists and other healthcare professionals.

This activity benefited 15 families (children aged 6 to 11) from the San Genaro de Villa community in Chorrillos.

As is known, the association between poverty and obesity is a concern and a social problem that affects many low-income communities.



# Prevention of Childhood Anaemia



Students from the UPC Medicine program executed a virtual project called “Luchando contra la anemia infantil” to reduce anemia in children under 3 years old, with the aim of ensuring that these children perform well academically in the future.

The work included videos, informative posters, and demonstrative sessions through Google Meet to interact with mothers.

The intervention took place in the AA.HH. San Genaro de Villa, in the district of Chorrillos, on Saturday, June 18th.



# COVID Prevention



Sección 1 de 3

## POST-TEST LUCHANDO CONTRA EL COVID-19 EN EL AA.HH SAN GENARO DE VILLA

Esperamos se encuentre bien. Somos alumnos de la facultad de medicina del 6to año de la Universidad Peruana de Ciencias Aplicadas (UPC) y nos encontramos realizando un Proyecto de Intervención en la comunidad de San Genaro de Villa - Chorrillos, para el cual requerimos de su apoyo.

El presente formulario debe ser realizado al culminar las actividades.

Gracias por su participación.

Nota: Este formulario es completamente confidencial.

Medical students carried out the project “Luchoando contra el COVID-19”, focused on prevention, in the San Genaro de Villa community, through the application of a pre-test and post-test for evaluation.

This informative talk provided information about the virus and emphasized the impor-

Sección 1 de 3

## PRE-TEST LUCHANDO CONTRA EL COVID-19 EN EL AA.HH SAN GENARO DE VILLA

Esperamos se encuentre bien. Somos alumnos de la facultad de medicina del 6to año de la Universidad Peruana de Ciencias Aplicadas (UPC) y nos encontramos realizando un Proyecto de Intervención en la comunidad de San Genaro de Villa - Chorrillos, para el cual requerimos de su apoyo.

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tance of receiving the third and fourth doses to stop the spread of the virus in the community.

It is important to note that the lack of education in this impoverished sector has an impact on the self-care of families. This project was conducted through the Google Meet platform with the participation of some community members.



# Intervention to Decrease the Prevalence of Malnutrition in Children and Adolescents in the AAHH San Genaro de Villa

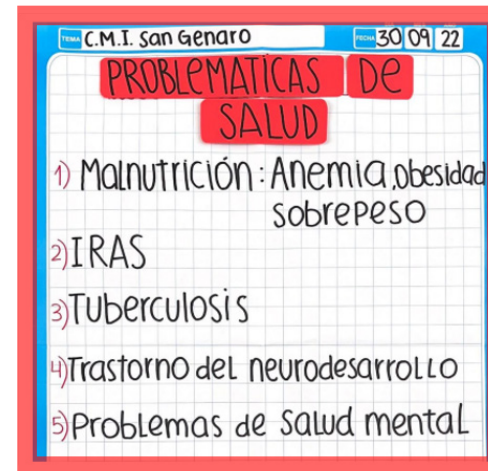


This intervention was carried out by students from the Community Medicine Externship, between September and October of the year 2022.

They conducted interviews with nearby schools and identified health issues in the children, family problems, and economic issues.

The purpose of the intervention was to conduct workshops to contribute to the reduction of the prevalence of malnutrition in children and adolescents in the AA.HH. San Genaro de Villa - Chorrillos.

Educational workshops, health campaigns, anaemia talks, mental health talks, and talks on overweight and obesity were conducted at the San Genaro community center and were directed at mothers. Nutritional assessments were carried out on the children and adolescents, and interviews were conducted with students from nearby schools.



# Intervention to Decrease the Prevalence of Teenage Pregnancy in the AAHH San Genaro de Villa



Externship students from the Medicine program carried out an educational campaign aimed at students, with the purpose of contributing to the decrease in the prevalence of teenage pregnancy.

This campaign took place at the Educational Institution No. 7075 “Juan Pablo II” in the AA.HH. San Genaro de Villa, in the district of Chorrillos.

The workshop was conducted with the purpose of informing and raising awareness among fourth-year high school students about the prevention of teenage pregnancy, in order to prevent unintended pregnancies. Participatory techniques were applied.



# Reduction of Anaemia Prevalence, Incidence of Respiratory Symptoms, Obesity, and Overweight in Students within the Jurisdiction of CMI Manuel Barreto



Sixth-year students from the Community Health Externship in Medicine conducted an educational activity aimed at elementary and high school students at “Dolores Caverio de Grau” School in the district of San Juan de Miraflores.

The purpose was to contribute to the reduction of anaemia prevalence, incidence of respiratory symptoms, obesity, and overweight in students within the jurisdiction of the Manuel Barreto Maternal and Child Center.





# Campaign for the Prevention of Overweight and Obesity



The work was carried out by Medicine program students in the Community Center of the San Juan de Miraflores district, within the jurisdiction of the Trébol Azul Health Center.

This intervention plan, aimed at contributing to the reduction of overweight and obesity, had the purpose of empowering the population about their health status.

A situational health analysis was taken into account, and interviews were conducted with different social actors (Coordinator of the Vaso de Leche Program, president of the community kitchen, and a police officer from the police station). The community, health promoters, and UPC students participated.





# Health Campaign Targeting Students and Teachers of the Educational Institution 7099 Héctor Pretell Carbonell



Students from the Medicine program conducted a health campaign on healthy eating habits at the Héctor Pretell Carbonell Educational Institution, in the district of San Juan de Miraflores.

The purpose was to contribute to the reduction of malnutrition in students and teaching staff in terms of overweight and obesity.

In this way, it is intended that this intervention will impact the lifestyles of the population served.

Anthropometric assessment was performed on sixth-grade students, and education on healthy eating and physical activity was provided.



# Campaign to Decrease the Prevalence of Acute Respiratory Infections in Preschool Children at the “Capullitos de Jesús” Daycare in AA.HH San Genaro de Villa



Sixth-year Medicine students conducted a participatory workshop at the daycare center in the San Genaro de Villa community, in the district of Chorrillos.

This is a young community, and due to its geographical location, it is an area with a high incidence of acute respiratory diseases.

A health fair was held with the purpose of providing strategies for the prevention of acute respiratory infections. The objective was to raise awareness and empower people about the importance of vaccination in children and in the community at large.



# Intervention Project “El Cuidado De La Salud Oral” at Santa Rosa Hospital - Pueblo Libre



Students from the Dentistry program conducted the intervention project at Santa Rosa Hospital, in the district of Pueblo Libre.

They analyzed the district's health situation, concluding that the main problem was a lack of knowledge about oral health care.

The intervention was carried out with patients from the dental service. The activities and goals set generated great satisfaction among participants, who were able to incorporate favorable knowledge for oral health care in patients.



# Intervention in the Oral Health of the Mother-Child Pairing in Patients of the Gynecology Service at Santa Rosa Hospital in the District of Pueblo Libre



Dentistry students carried out a project to increase knowledge about oral health and nutrition in the first 1000 days of a baby and in pregnant mothers, in the Gynecology Service at Santa Rosa Hospital, in the District of Pueblo Libre.

The objective was to provide education on oral health and nutrition to pregnant mothers in the Gynecology Service.

The students created educational materials and evaluation instruments (educational sessions, pre-test and post-test questionnaires, flip charts, educational videos, brochures, and a checklist) to increase knowledge about the oral health of the mother-child pairing. The project was executed between April and June of 2022.





# Preventive Promotional Health Project in the General Medicine Service of Santa Rosa Hospital - Pueblo Libre



During the period of April - June 2022, students from the Dentistry program conducted the preventive promotional health project in the general medicine service of Santa Rosa Hospital, in the district of Pueblo Libre.

The aim was to increase knowledge about the prevention of oral diseases and disseminate information about the dental coverage provided by the Integral Health Insurance (SIS) among patients of the medicine service. Activities were developed to increase favorable knowledge about oral health and prevent the occurrence of multiple oral diseases in the future.

In this context, educational and evaluation materials were prepared (educational sessions, pre-test and post-test questionnaires, flip charts, posters, brochures, and checklists). Additionally, supplementary virtual material was provided to patients.



# Preventive Promotional Project on Oral Health in the Pediatrics Service of Santa Rosa Hospital



During the period from April to June, students from the Dentistry program executed a project in the Pediatrics Service of Santa Rosa Hospital, with the objective of intervening in the generation of a culture of oral health prevention.

The health problems identified in the pediatrics service included parents' lack of awareness about the importance of oral health care for their children, absence of a culture of oral health prevention, lack of knowledge about the coverage provided by the Integral Health Insurance (SIS), and limited economic resources for dental care.

The project had social significance as it contributed to improving the oral health of patients. Workshops were conducted, including educational materials, educational sessions, flip charts, educational videos, and posters.



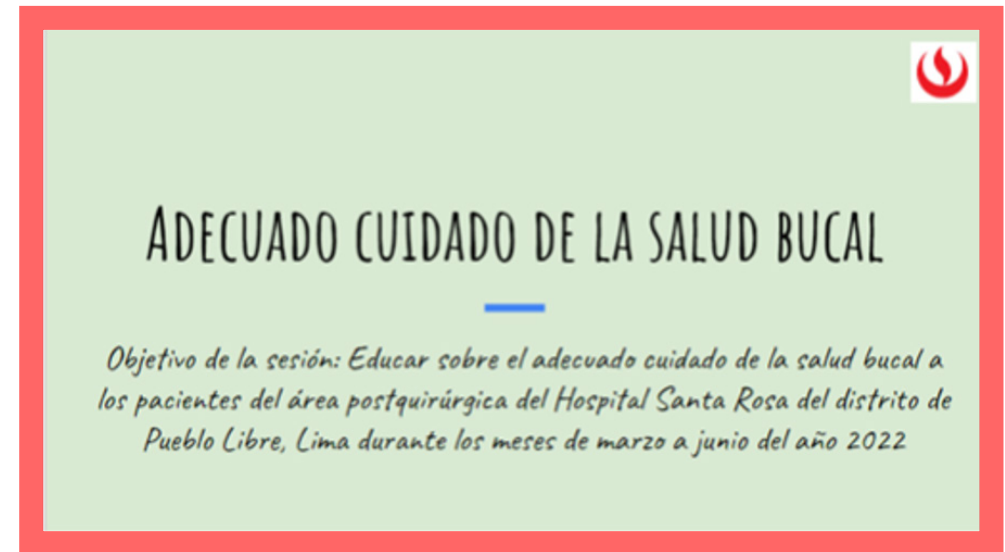
# Intervention Project on Oral Health at Santa Rosa Hospital in Pueblo Libre



Dentistry students carried out the intervention project with the purpose of informing about the maintenance of oral health in post-surgical patients.

The goal was to increase knowledge about proper oral health, between the months of March to June of the year 2022. Educational materials and evaluation tools were developed.

Additionally, a healthy area was implemented on the mural of the surgery service, an audiovisual video with session content was shared, and an informative brochure on the topics covered was provided.



# Preventive Promotional Intervention Project “Cuidar tu sonrisa es cuidar tu salud” Santa Rosa National Hospital, August to November 2022



Dentistry students executed the project with the aim of increasing knowledge about oral health prevention and its influence on overall health, during the period from August to November. It was directed at patients in the Odontology Department of Santa Rosa Hospital, in the district of Pueblo Libre.

The objective of the project was to increase knowledge about oral health prevention and its influence on overall health in patients. Educational materials and evaluation tools on oral health prevention and its influence on health were developed.





# Preventive Promotional Health Project: “Una buena alimentación para una mejor vida saludable” in the District of La Perla, Callao



During 2022, students from the Dentistry program executed a health project with the purpose of intervening in inadequate healthy practices in the family environment of La Perla district, Callao, due to high stress levels, as well as lack of knowledge about types of diet.

The students created virtual pre and post-test questionnaires on healthy practices, as well as an observation guide and a checklist. The target population was satisfied with the topics covered.

## RESULTADOS-EVIDENCIAS DE LA EJECUCIÓN

**Cuestionario: “Alimentación saludable” Pre-test**  
<https://forms.gle/yHeovzPXzkC3C6JJ9>

Alimentación saludable Pre-test

Preguntas Respuestas Configuración

Se presentará 10 preguntas relacionado a la alimentación.

**Respuestas**  
[https://docs.google.com/file/d/1TGKF26qH1DFzq4dUifITV5qZHRZpPDEO/edit?usp=docslist\\_api&filetype=msexcel](https://docs.google.com/file/d/1TGKF26qH1DFzq4dUifITV5qZHRZpPDEO/edit?usp=docslist_api&filetype=msexcel)

**Cuestionario: “Alimentación saludable” Post-test**  
<https://forms.gle/89JCuJ5zUEwdt8NKA>

Alimentación saludable Post-test

Preguntas Respuestas Configuración

Se presentará 10 preguntas relacionado a la alimentación.

**Respuestas:**  
<https://docs.google.com/spreadsheets/d/1Q1AQBtcpRwN4FC1Rx1NN4EfgmKQ8gYZI0ofoCRtGokk/edit>

**Link de 14 minutos sobre contenido:**  
[https://drive.google.com/file/d/1kILuXsSwWQ5ONIZ9ILM\\_evoyMfHmtI17/view?usp=sharing](https://drive.google.com/file/d/1kILuXsSwWQ5ONIZ9ILM_evoyMfHmtI17/view?usp=sharing)

# Preventive Promotional Health Project - Improvement of Healthy Lifestyle and Mental Health within the Family Environment in the District of Santiago de Surco



A project to improve healthy lifestyles and mental health within the family environment in the district of Santiago de Surco was carried out during the period from July to November 2022.

The purpose of this project was to increase healthy eating practices within the family environment. Additionally, it had an educational focus as it aimed to enhance knowledge about healthy eating.

Some problems were observed, such as poor lifestyle practices and misinformation about correct healthy habits that affected the overall health of those involved. The objective was to establish healthy habits and provide strategies aimed at the well-being of the participants.



# Preventive Promotional Health Project in the District of Villa El Salvador



A Preventive Promotional Health project was carried out in the district of Villa El Salvador, during the period from August to November 2022. A high level of stress was identified in the participants due to the type of work they were engaged in, whether at a professional or university level.

Environments can become stressful for their mental health; however, participants did not manage to recognize the origin of oral or mental health issues.

The objective was to reduce the level of stress in the family. As part of the assessment, educational materials and instruments such as questionnaires and checklists were developed.



# Health Development Project for Improving the Lifestyle of the Family Environment in the District of Chorrillos



During the year 2022, a health development project for improving the lifestyle of the family environment was implemented in the district of Chorrillos.

The objective was to enhance the quality of life through personalized recreational activities. The activities allowed participants to increase their knowledge about physical-recreational activities and their benefits.

The purpose of the project was to generate changes in lifestyles. Educational materials and evaluation tools were developed.



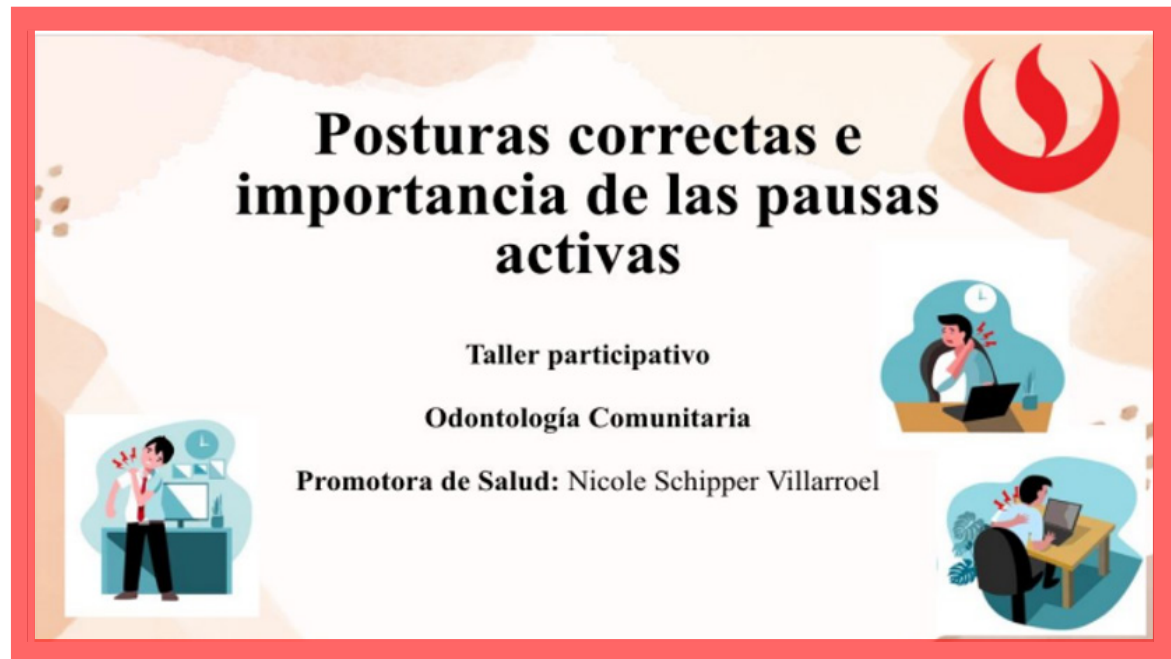


# Preventive Promotional Health Project “Salud para la Vida”



A Preventive Promotional Health project for life was carried out. The objective was to increase the practice of ergonomics during work and academic hours within the family environment in the district of Miraflores, between the months of August to November 2022.

They developed educational materials, checklists, questionnaires, infographics, and a participatory workshop. The project provided a knowledge session and a practical workshop that succeeded in increasing correct ergonomic postures and active breaks in the family environment.



# Health Project in the Family Environment of Chorrillos District



A situational diagnosis was conducted, revealing a high incidence of stress among the residents of the area, due to the lack of free time as a result of a high workload in their jobs and academic environment. Additionally, a lack of awareness about the importance of recreational activities in the family environment was observed.

The objective was to reduce stress levels within the family environment by making optimal use of free time, prioritizing recreational, creative activities, and personal development. Educational sessions and workshops were conducted to help participants incorporate them into their lives.



# Preventive Promotional Health Project “Alimentación adecuada para todos los integrantes de un entorno familiar en el distrito de El Agustino”



A preventive promotional health project was carried out in the District of El Agustino, “Alimentación adecuada para todos los integrantes de un entorno familiar en el distrito de El Agustino”.

After conducting the diagnosis, the project was designed and executed with the aim of educating about the benefits of adequate healthy nutrition and increasing knowledge about this topic.

After evaluation, appropriate healthy habits were implemented in the family environment. This project was carried out between the months of October-November.

*PROYECTO DE SALUD PREVENTIVO  
PROMOCIONAL “Alimentación adecuada  
para todos los integrantes de un entorno  
familiar en el distrito de El Agustino”*

*RESPONSABLE:  
-Marilyn Surichaqui Salinas*



# Preventive Promotional Intervention Project: Education on Oral Health and Systemic Disease



Students from the Dentistry program conducted the project aimed at patients in the medicine service of Santa Rosa Hospital, in the district of Pueblo Libre.

After analyzing the health situation in the area, the central problem was identified as: Limited knowledge about proper oral health care and its relationship with systemic diseases.

The purpose of this intervention was to increase knowledge about proper oral health care in patients of the medicine service at Santa Rosa Hospital, during the period from August to November 2022. The students developed educational and evaluation materials, which they shared with the patients in the medicine services.





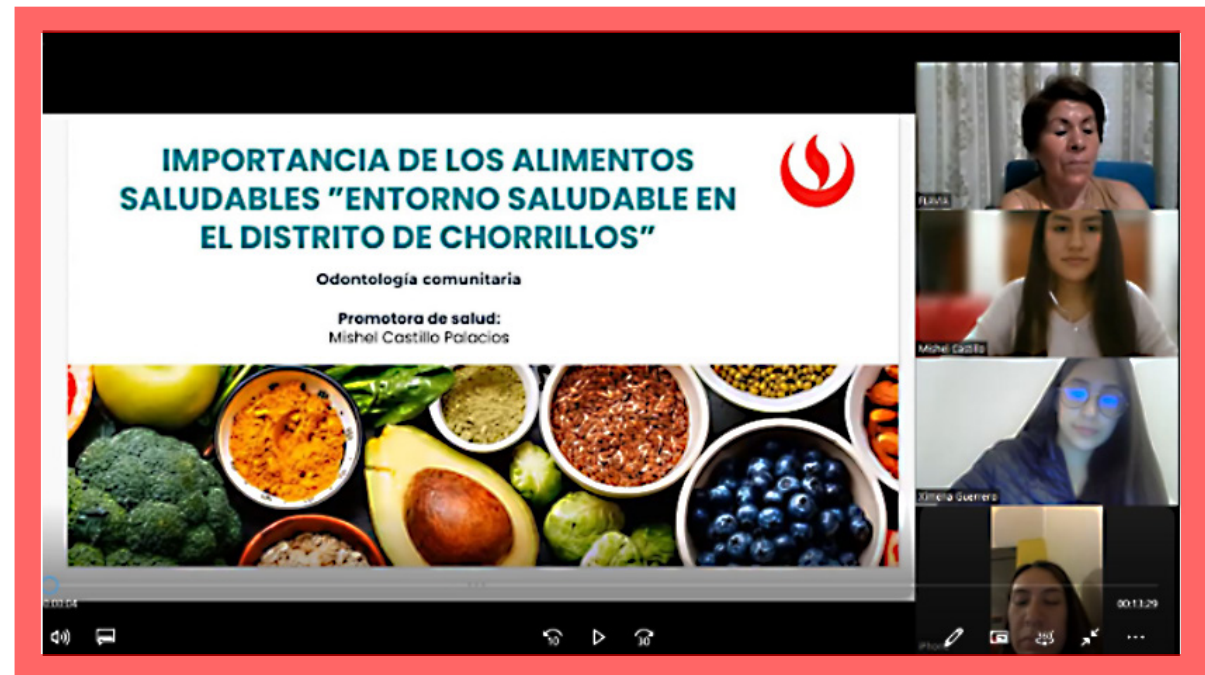
# Health Project “Entorno Saludable en el Distrito De Chorrillos”



A Health project called Healthy Environment was carried out in the district of Chorrillos. After conducting the diagnosis, inadequate healthy practices were identified in the district's environment, during the months of September to November 2022.

The purpose of this health project was to increase knowledge, provide recommendations, and promote adequate healthy practices.

The team developed educational material, educational sessions, participatory workshops, the implementation of a program, infographics socialization, knowledge assessment, and a checklist. At the end of the intervention, participants reported an improvement in their quality of life.



# Preventive Promotional Health Project: Improving the Lifestyles of the Family Environment in the District of Chorrillos



This project allowed participants to acquire knowledge about nutritional tables, in order to make more informed decisions when choosing food for consumption.

The objective was to promote healthy habits within the family environment in Chorrillos district, from September to December 2022.

Students applied a knowledge questionnaire about good nutrition, a virtual checklist, educational material, nutritional table, and an educational workshop.



# Preventive Promotional Health Project “Mejora del Estilo de Vida”



A Preventive Promotional Health project “Mejora del Estilo de Vida” was carried out in the department of San Martin. The objective of the project was to reduce stress levels in the family environment and it was executed from September to December 2022.

The purpose of the project was to incorporate health habits that improve the quality of life and prevent the onset of diseases.

Preventive promotional activities were carried out, as well as their monitoring. Educational material, educational sessions, a poster, virtual checklist for healthy eating and physical activity were developed.

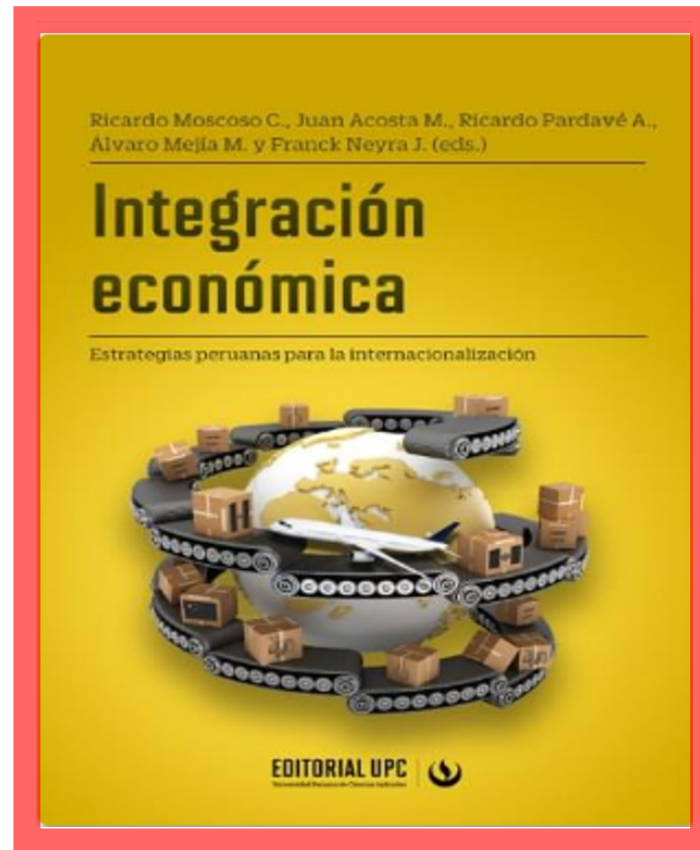


# Publication of a Collective Research Book titled “Economic Integration. Peruvian Strategies for Internationalization”



Teachers, students, and graduates of the Administration and International Business program published a collective research book titled “Economic Integration. Peruvian Strategies for Internationalization”. The elaboration of the book was led by Professors Ricardo Moscoso and Juan Acosta, with remote assistance from Ricardo Pardavé, Álvaro Mejía, and Franck Neyra.

This book emerged from the work of the Research Group of the mentioned program. This group is an initiative promoted by the program. The group's activities were focused on Goal 4 of the Sustainable Development Goals promoted by the United Nations.





# Health Campaign Against Malnutrition/Undernutrition, ADDs, Respiratory Diseases, Gastrointestinal, and Parasitic Diseases



Students from the Medicine program conducted a health campaign targeting patients and attendees of the “Trébol Azul” Health Center on November 5th, from 8 a.m. to 12 a.m.

Brochures, nutritious and cost-effective recipes, and pamphlets explaining the services offered by the Health Center were provided.

The purpose of the intervention was to improve the quality of life for the residents of the area.



# Charity Dinner “Inspírate”



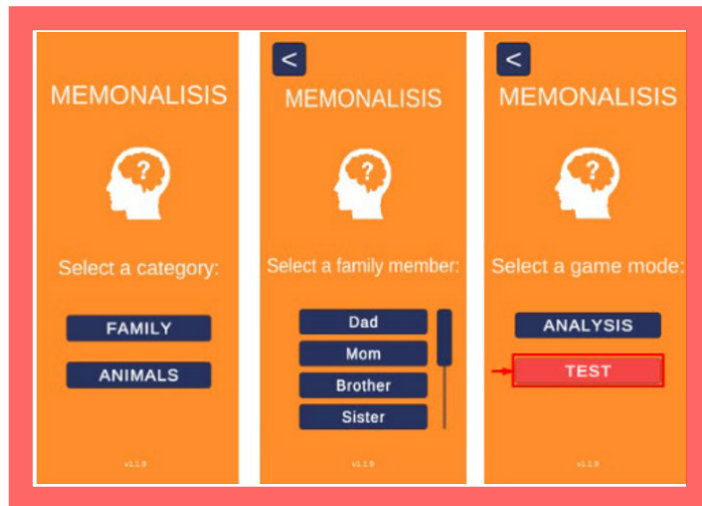
Students from the Communications and Business Image program at UPC organized a charity dinner “Inspírate” at the “Ana Cocina de Cambio” restaurant, featuring renowned chefs María Julia Raffo and Pedro Miguel Schiaffino. The dinner aimed to raise funds for the INSPIRA shelter to open a second shelter that provides assistance to over 120 children undergoing oncological treatment.

The “INSPIRA” shelter is a non-profit association led by Dr. Ricardo Pun Chong, where they provide temporary shelter, healthy meals, and assistance to children who come to the capital from the interior of the country to receive oncological treatment, among other illnesses.

The students took on the challenge of raising funds to cover the labor and finishing costs required for the new shelter to open its doors to all children in need.



# Technological Solution for Children with ADHD



Students of the Information Systems Engineering program developed an application involving the creation of serious games for the assessment of children with Attention Deficit Hyperactivity Disorder (ADHD). The project was implemented at a Health Center in the district of San Martin de Porres in 2022. The objective of the project was for the application to serve as a tool for diagnosing children with ADHD, using augmented reality and making it more engaging for them by incorporating serious games into the assessments.



# Worklife - Female Leadership



The Human Resources department conducted the Worklife - Female Leadership initiative through synchronous sessions on Teams and Zoom. The objective of this program was to provide participants with learning designed for the development of resilience, creativity, imagination, and communication, which would directly impact leadership.

The workshops combined exposition and interaction among the participants and their peers, as well as individual introspection to connect with their own beliefs, internal conversations, and emotions. Additionally, the workshops were linked to self-awareness, time management, leadership, emotional connection, well-being, and pleasure.





### PROGRAMA DE LIDERAZGO FEMENINO

Derribar poco a poco las creencias que limitan el crecimiento de la mujer es fundamental para impulsar su bienestar y autorrealización. En Laureate Perú, estamos convencidos de eso.

Por eso, hemos desarrollado una serie de talleres, donde las colaboradoras de nuestras 4 instituciones encontrarán un espacio para conectar con ellas mismas, con sus creencias y emociones, así como aprenderán temas como manejo del tiempo y liderazgo en el trabajo. **¡Inscríbete!**

#### PRIMER TALLER: AUTOLIDERAZGO

Temas / herramientas que compartiremos:

- Tu mindset, tu app mental (creencias)
- Impact player: ¿Qué significa y requiere de ti?
- R.A.I.N. y un minuto de aterrizaje

Fecha: 20 de octubre

Inscríbete **AQUÍ** hasta el 18 de octubre antes del mediodía

\*Cupos limitados



**CRECEMOS JUNTOS**







# Code of Ethics



From March to June 2022, this activity was conducted in a virtual format by students of the last terms of the Business School of UPC, for the benefit of an organization with social or environmental impact operating in any part of the country.

In this academic work, students approached a previously registered organization with the aim of providing counseling and support in the development of their code of ethics. This endeavor allowed our students to engage with a real organization and empathize with a social issue.



# Volunteering Program

## “Capacitación y Entrenamiento, Camarero Junior” 2nd Edition



From September 10 to November 19, 2022, the School of Hotel and Tourism Management conducted the 2nd edition of the volunteering program “CAPACITACIÓN Y ENTRENAMIENTO, CAMARERO JUNIOR” (TRAINING AND EDUCATION, JUNIOR WAITER) at UPC Campus Monterrico.

This training was aimed at 33 young people between 17 and 20 years old, from low-income families and who belong to the Community Houses of North Lima, with the goal of providing them with better opportunities for job placement in the gastronomic sector.

It was conducted in a blended modality, by students from the three programs of the School, who acted as mentors and were assigned a group of young people to train. The Municipality of Lima was considered a strategic partner, as they managed the database of the vulnerable group identified through the neighborhood participation area.



# Event “Esto sí es cine”



Students from the Audiovisual Communication and Interactive Media program executed the project “Esto sí es cine”, which aimed to showcase the work of five audiovisual filmmakers through the presentation of their short films.

The event’s main theme was the outdoor screening of short films with easy access to food and snacks.

It provided a different experience when consuming audiovisual content. The event took place on November 18, 2022, at 5:00 PM, in the district of Miraflores.



# Development of the Corporate Code of Ethics for Two Companies Evea Eco Fashion and 2p La Barra



Students from the School of Business carried out the project of developing a Corporate Code of Ethics for the companies Evea Eco Fashion and 2p La Barra. Evea Eco Fashion is a company dedicated to the responsible and sustainable production of soles and footwear from eco-friendly materials, contributing to the conservation of forest care and the development of native communities within the Amazon rainforest.

2p La Barra is an affordable food business. The purpose of the project was to ensure that employees act in accordance with the values that represent the company to establish a better relationship with their customers and stakeholders.







DevsCrew is the community of developers from the business accelerator StartUPC, co-created in partnership with Microsoft. The aim was to enhance professional skills and promote the involvement of future Chief Technology Officers (CTOs) in the startup ecosystem through training provided from January to August 2022 in an online modality. 100% of those enrolled were students or alumni of UPC.



# Sustainability Awareness Campaign



During the first semester of 2022, the Sustainability Awareness Campaign was launched by the Directorate of Communications and Institutional Image of UPC.

The objective of this initiative was to raise awareness among the university community about sustainability issues.

Through articles on the Portal Conéctate and pieces disseminated on institutional social media, information was shared about topics related to sustainability, the current context, and the actions taken by the university in compliance with Corporate Social Responsibility.

The beneficiaries were the entire university community, consisting of 60,000 students and 2,500 staff members.

Acciones que transforman.

UPC  
enfrente, siempre

Conoce el sello **#SostenibilidadUPC**, el cual acompañará la campaña de concientización y educación sobre nuestra gestión sostenible. Además, bajo el lema "**Acciones que transforman**", podrás enterarte de las diversas iniciativas que venimos implementando como parte de nuestra gestión y estrategia institucional en el rubro.

**#SOSTENIBILIDADUPC**  
**ACCIONES QUE TRANSFORMAN**

Te invitamos a conocer también nuestra Política de Sostenibilidad y Responsabilidad Social Universitaria, la cual guía nuestra gestión y es clave para el cumplimiento de nuestro compromiso con el desarrollo sostenible. En ella encontrarás el reflejo de la gestión organizacional de la UPC, que incluye de manera transversal el enfoque de sostenibilidad y responsabilidad social universitaria.

Sé parte de la transformación del país y planeta con acciones que dejen huella.

#SostenibilidadUPC

[Descarga la Política AQUÍ](#)

[Nota de prensa AQUÍ](#)

# Document Digitalization Service



The Document Digitization Service was an activity aimed at students enrolled in thesis courses, thesis students, and professors. It was integrated with the content manager (Alma) and the Primo discoverer. The requested content was sent to the email and access was granted after authentication with institutional credentials.

This service aimed to facilitate the research process by supporting the development of research papers for student theses and professors. It was provided for academic purposes in accordance with the Copyright Law (D.L 822). Additionally, the service aims to reduce the printing of documents and books on paper to contribute to environmental impact reduction, as only copies requested by bookstores are printed and only when they are requested.



It was promoted through social media, and the information can be found on the Library Portal.

<https://biblioteca.upc.edu.pe/portal/digitalizacion-de-documentos>

Guía de acceso: [https://biblioteca.upc.edu.pe/Id.php?content\\_id=68954785](https://biblioteca.upc.edu.pe/Id.php?content_id=68954785)

# Print on Demand



In December 2022, the Knowledge Management Directorate of UPC carried out the “Print on Demand” initiative, which involved uploading the published books to a partner distributor platform (Bibliomanager).

It is connected with bookstores and printers in Peru and other countries. It only prints copies that bookstores request and at the moment they request them. The purpose was to optimize the print run of our books and print only what is really in demand.

This way, unnecessary use of supplies like paper, ink, etc., is avoided. All of this benefited the general public because our books are sold not only to UPC students but to the general public nationwide and internationally, thereby contributing to environmental impact reduction and avoiding stocked books.





# UPC Environmental Brigade: the new space in the fight against climate change



The UPC Environmental Brigade is a training space for agents of change that seeks to promote environmental conservation and the fight against climate change.

The purpose of this initiative was to create an environmental awareness and education program to generate a group of volunteers made up of UPC students, and thus contributing to SDG 13 “Climate Action” of the United Nations 2030 Agenda.

The topics covered in the program were diverse, ranging from climate change focus to content related to greenhouse gas emissions, responsible consumption, eco-efficient habits, carbon credits in the market, renewable energy, among others.

The aim was to contribute to environmental protection, applying a playful and participatory methodology that



will promote the creation of innovative projects in the fight against climate change. The activities were free and conducted virtually over seven sessions.



# State of the art of university social responsibility: a standardized model and compared self-diagnosis in Latin America



**Authors:** Vallaeys, F., Oliveira, M.L.S., Crissien, T., Solano, D., Suarez, A.

**Abstract:** This paper aims to provide information about the state of the art of University Social Responsibility (USR) from a regional perspective, based on a theoretical and practical development proposed by a wide net of Latin-American higher education institutions (HEIs): the USR Union of Latin America (URSULA).

The state of the art was performed through a two-year measurement process (2018–2019) conducted in 80 HEI from 12 Latin-American countries. The state of the art was constructed through a self-reported diagnosis concerning four HEI scopes of action, twelve goals, and sixty-six indicators to measure the accomplishment of USR goals.

The study's primary results were twofold: first, the verification of a dynamic model for USR consensual management and second, the understanding of USR's challenging nature for standard practices in HEIs.

This study's results contribute to creating a practical framework for USR measurement based on a regional context (Latin America). Moreover, this research underlines the discrepancy between HEIs' social performance and the need to commit to the 2030 UN sustainable development goals. This is the first study to examine the state of USR in a region such a Latin America.

**Keywords:** Educational management; Higher education; Sustainable development goals; URSULA; University management; University social commitment

The International Journal of Educational Management, Volume 36, Number 3, 2022, pp. 325-340(16)

<https://doi.org/10.1108/IJEM-05-2020-0235>



# Conceptual foundations of Entrustable professional activities for health professional education in Latin America



**Authors:** López, M.J., Melo de Andrade, M.V., Domínguez Torres, L.C., Durán Pérez, V.D., Durante, E., Francischetti, I., Gutiérrez Barreto, S.E., Gutiérrez Sierra, M.E., García Casallas, J.C., Mora Melanchthon, I.E., Sánchez Mendiola, M., ten Cate, O.

**Abstract:** The concept of entrustable professional activities emerged as an attempt to overcome some of the criticisms to the competency-based medical education approach; it has had a broad impact in practice and health professions education research. It has been disseminated internationally with its English acronym: EPA. This approach proposes to orient assessment and teaching to specific activities in the profession, which allows the integration of several competencies, and to determine which responsibilities can be entrusted to the trainee, in a gradual and explicit manner. The model assumes the definition of levels of supervision that allow progressive autonomy for each EPA, in students or residents, once they demonstrate the required competencies. Practice, supervision and feedback in real clinical scenarios are key to the development of autonomy in EPA performance. The dissemination of the EPA approach is still limited in Latin America, but it has the potential to create a significant contribution to curriculum design and evaluation, and to assessment practices of health professionals across their careers. It provides a deep review of the assumptions under which healthcare professional practice decisions are made, at under and postgraduate levels.

**Keywords:** Assessment of learning, Competency based education, Graduate medical education, Latin America, Medical residency, Performance assessment.

Educación Médica, 2022, Volume 23

<https://doi.org/10.1016/j.edumed.2022.100714>



# Emergency Remote Education Satisfaction during COVID-19 at a Public University in Central Andes, Peru with Low Resources and Little Online Teaching Experience



**Authors:** Castro-Bedriñana, J., Chirinos-Peinado, D., Castro-Chirinos, G.

**Abstract:** Emergency measures to continue university activities during COVID-19 have affected student performance and satisfaction, especially in regions with scarce resources and little experience in virtual education. Online education is a new process for most universities in the interior of Peru, where digital transformation was null or incipient, affecting the learning effectiveness. The current research is based on a survey conducted in February 2021 in order to evaluate students' perception about the quality of emergency remote learning measures introduced during the pandemic in 2020. The survey was distributed through the institutional emails of students and the responses were collected anonymously, following a systematic sampling. A total of 1029 respondents representing 38 professional careers of public referent university of the Central Andes of Peru participated in this survey. The survey focused on 28 criteria linked to the didactic, technological and psycho-affective dimensions. It aimed to collect scientific evidence to propose improvements in this pedagogical transition process. Associations between the variables studied were determined with  $\chi^2$  tests and Spearman correlations, and to determine the regression coefficients and Odds Ratios of the variables associated with the highest degree of satisfaction with the emergency virtual classes, logistic regression was used.





# Emergency Remote Education Satisfaction during COVID-19 at a Public University in Central Andes, Peru with Low Resources and Little Online Teaching Experience



Thirty percent of students showed dissatisfaction, perceiving problems in the design of class materials, feedback, e-learning support, development of practical and laboratory activities, and teaching performance; 25% were satisfied and 45% had a neutral perception. About 30% felt frustrated with their virtual classes. The highest OR for a higher degree of satisfaction fell on the impact of courses for professional training, student care services, support for online learning, and feedback mechanisms. To improve the quality of virtual learning in the post-pandemic period, the study recommends to transform the face-to-face model to a virtual or blended model, taking advantage of the variety of information, and communication to improve the quality of higher education

**Keywords:** e-learning, educational quality, digital technology, public university, virtual model, higher education, teaching performance.

Educational Sciences: Theory and Practice. 2022 , Volume 22, pages: 46-61

<https://doi.org/10.12738/jestp.2022.1.0005>



# Occupational therapists in education? Routes and possibilities for/in Latin America and the Caribbean from a Community of Practice



**Authors:** Farias, M.N., Rivera, J.S., Sánchez, P., Chambilla, L., Giorgini, C., Parra Esquivel, E.I., López, C., Massuco, J.

**Abstract:** This paper results from discussions carried out in a Community of Practice of Occupational Therapists from Latin America and the Caribbean who work with Education (TOE Latin America). TOE Latin America arises to strengthen the collective work of occupational therapists in the field of education within the specificities of Latin American social organizations. Therefore, here we come to share a little of this path, presenting three themes in this essay: First, we describe the concrete reasons for our existence, how we work and what the group's proposals really are; Then, we bring a central debate on the right to education and the historical problems that involve Latin America and its populations, as well as identifying the role and importance of the Occupational Therapist in access to equal conditions in education; Finally, it seems relevant to point out the emergence of the current debate that involves the COVID-19 pandemic and its impacts on the lives of individuals and populations, which directly interferes with education, to say once again about our therapeutic-occupational task facing this.

**Keywords:** Occupational Therapy, Education, School, Inclusion, Professional Practice.

Brazilian Journal of Occupational Therapy, 2022, Volume 30, pages 1-13

<https://doi.org/10.1590/2526-8910.ctoEN247032342>



# Entrustable professional activities: Towards standardization of language and meaning in Spanish and Portuguese



**Authors:** : Melo de Andrade, M.V., López, M.J., Torres, L.C.D., Pérez, V.D.D., Durante, E., Barreto, S.E.G., Sierra, M.E.G., Casallas, J.C.G., Francischetti, I., Melanchthon, I.E.M., Mendiola, M.S., Ten Cate, O.

**Abstract:** The EPAs approach has had a great impact on medical education since it emerged in 2005. Its dissemination has required translation into several languages, sometimes generating terminological and meaning confusion. This paper is the result of an expert consensus procedure regarding the translation of key terms for understanding the EPA approach in Spanish and Portuguese. It was carried out through a process of meaning analysis of each term in its idiomatic context and of the practice of health professionals training in Latin America. Participated on this consensus by twelve professionals, teachers and scholars involved in the implementation and training with EPAs in eight countries, who participated as coordinator, facilitators or participants in the International Course Ins and Outs of EPAs for Latin America.

**Keywords:** Glossary, EPA, consensus, competency-based education.

Investigación en Educación Médica, 2022; Volume 11, pages: 99-107

<https://doi.org/10.22201/fm.20075057e.2022.43.22437>



# Enterprise Architecture Based on TOGAF for the Adaptation of Educational Institutions to e-Learning Using the DLPCA Methodology and Google Classroom



**Authors:** Puntillo, G., Salazar, A., Wong, L.

**Abstract:** Given the current situation of online classes, it is necessary to implement a Business Architecture model in order to facilitate the adaptation of virtual teaching, since 97.4% of teachers give up the use of information systems for learning. In addition, up to 80% of students experience stress with this new modality of learning. Based on this context, we can identify the gap in the adaptation to the virtual class process as a latent problem. Therefore, a model composed of 3 stages (Analysis, design, and validation) is proposed. Stage 1 includes the analysis of components on which the model will be developed. Stage 2 describes the Open Group Architecture Framework (TOGAF) on which the model will be developed, and the Discover, Learn, Practice, Collaborate, and Assignment (DLPCA) e-learning Methodology as the basis of the business process to be proposed. Finally, in stage 3, the model was validated in a private school in Lima with 70 students, 2 teachers, and 1 director, where it was shown that our proposal increased user satisfaction by 18.97%, positively increased adaptation to virtual classes by 28.50%, and also obtained a 75.34% acceptance of our proposal by the subjects of study, which shows the effectiveness of our solution to the problem.

**Keywords:** E-learning, Educational institution, Enterprise architecture, Google classroom, TOGAF.

Communications in Computer and Information Science, 2022; Volume 1577 , pages: 158-173

[https://doi.org/10.1007/978-3-031-04447-2\\_11](https://doi.org/10.1007/978-3-031-04447-2_11)





# Digital Gaps Influencing the Online Learning of Rural Students in Secondary Education: A Systematic Review



**Authors:** Samane-Cutipa, V.A., Quispe-Quispe, A.M., Talavera-Mendoza, F., Limaymanta, C.H.

**Abstract:** The digital gaps that were amplified due to the COVID-19 pandemic deepened more in vulnerable areas in different parts of the world. The present work aims to analyze the study of digital gaps that influence online learning of students from rural areas in secondary education, based on a systematic review of the literature. It was developed using the PRISMA methodology, the scientific information was retrieved from the Web of Science and ERIC databases in a period of three months. In the searches it was taken as inclusion criteria; open access, year of publication 2017 - 2021, English and Spanish language, rural secondary education level and exclusion; articles whose studies were carried out in higher education, in specific areas, related to research policies, evaluation, studies before 2017 and articles from systematic reviews. The results and findings emphasize that digital literacy levels are scarce and limited in terms of the skills developed by students and teachers to achieve digital competencies, in addition to restricted access due to technological, economic, and coverage gaps of families. The conclusions are aimed at strengthening urgent educational policies in addition to the integration of the school curriculum.

**Keywords:** E-learning, Educational institution, Enterprise architecture, Google classroom, TOGAF.

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# Fab Lab-based learning: an environment to promote Women and Leadership in Engineering Education



**Authors:** Herrera, P.C., Dreifuss-Serrano, C., Valenzuela-Zubiaur, M., Caycho, V.

**Abstract:** The gender gap remains one of the outstanding problems in engineering education. However, there are global learning communities with more than a decade that show sustainable statistics for learning and leadership in STEM environments. This research analyzes the participation of women in the Fab Lab-based learning environment of the Fab Academy in the geography of IEEE Region 8 and the 28 countries that graduated 721 students between 2009 and 2021. We analyze the 31.21% of women graduated and the specificity of its scope in each sub region, from the context of the learning environment to those who manage a Fab Lab. Demonstrating a line that takes up learned knowledge, orienting them to learning and leadership.

**Keywords:** Geography, Leadership, Technological innovation, Engineering profession, Laboratories, Europe, Africa

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# Collaborative online learning: Success factors for its Effectiveness



**Authors:** Palacios-Núñez, M., Deroncele-Acosta, A., Cruz, F.F.G.

**Abstract:** La aplicación del Aprendizaje Colaborativo en Línea (ACL) en el aula es un desafío necesario en el marco de la alfabetización digital para generar aprendizajes relevantes para la vida; por ello, requiere de una gestión adecuada. Este trabajo se centra en diagnosticar el estado actual del ACL e identificar sus factores de éxito. La metodología aplicada fue un estudio con enfoque mixto, aplicándose el método (diseño) de estudio de casos múltiples por cuestionario y entrevista semi-estructurada a docentes y estudiantes universitarios. La contribución científica de esta investigación está relacionada con la revelación de nuevos procesos potenciadores del ACL como el desarrollo de pensamiento crítico-reflexivo, la comunicación asertivo-empática, el empoderamiento responsable autogestionado y la realización de proyectos de emprendimiento en línea de carácter propositivo. Se concluye que el fortalecimiento de la competencia digital docente, así como el rol institucional en el aspecto digital podrían contribuir a potenciar dichos factores de éxito del ACL y subsanar las necesidades mencionadas.

**Keywords:** Aprendizaje colaborativo en línea, Factores de éxito, Pandemia, Competencia digital docente, Alfabetización digital

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# Asynchronous learning: evaluation of virtual classroom metrics according to the perception of university students



**Authors:** Morales-Romero, G., Quispe-Andía, A., León-Velarde, C., Aybar-Bellido, I., Auqui-Ramos, E., Quispe-Guía, S., Palacios-Huaraca, C.

**Abstract:** The process and means that the university offers its students must be efficient and of quality, even more so considering the influence of the quality of educational services on student satisfaction. The objective of this article is to analyze the perception of asynchronous learning according to the evaluation of the virtual classroom metrics, carried out by business administration students, the results will allow to continue improving the teaching-learning process in the virtual context of education higher. The methodology of this study is qualitative at the descriptive level, the validation of the data by Cronbach's Alpha, gave a reliability value of 0.985. The results show us that 73.8% of the students perceive that the virtual classroom improved communication and helped the exchange of information between students and 71.4% indicated that the use of the virtual classroom made them more efficient and secure asynchronous learning activities. According to these results, there is a higher percentage of students who consider that the use of the virtual classroom positively influences their asynchronous learning, therefore, it is proposed to continue improving the skills in the use and appropriation of technologies of information and communication technology (ICT) in virtual students.

**Keywords:** Administration students, Asynchronous learning, Metric evaluation, Perception, Virtual classroom

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# AR and VR Training System for Children with ASD: A Detailed and Innovative Review



**Authors:** Huamanchahua, D., Valenzuela-Lino, Y., Ortiz-Zacarias, J., Manco-Fernandez, F.

**Abstract:** Augmented Reality (AR) and Virtual Reality (VR) are emerging technologies that have increased their implementation in research. This has allowed the construction of interactive systems that have become part of modern teaching methodologies. The use of these technologies for the development of training systems provides opportunities for improvement in teaching environments, especially for children with Autism Spectrum Disorder (ASD). They require special education due to their different abilities. Previous research has developed learning systems for children with ASD with different approaches and methodologies. Thus, the present article provides a detailed review of AR/VR educational systems oriented to children with autism. We obtained 24 research papers on the topic from 2017 to 2022, which shows a lack of research works in AR and VR for special education of people with ASD.

**Keywords:** ASD; Augmented reality; training system; virtual reality

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# On-site and Online Academic Performance During the Pandemic



**Authors:** Llaque, P., Figueroa-Ocampo, A., Fernandez, C.

**Abstract:** This article analyzes the on-site and online academic performance obtained in a written communication course at a Peruvian university in the context of the COVID-19 pandemic. The methodology applied corresponds to Grounded Theory in data collected and codified through two procedures: the reconstruction of pedagogical strategies and the interpretation of quantitative data corresponding to learning outcomes. Despite the adverse context, it is concluded that the effective use of pedagogical approaches overcomes situational constraints. Moreover, it achieves similar learning outcomes in both face-to-face and online modalities.

**Keywords:** COVID-19, Pandemics, Coherence

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<https://doi.org/10.1109/ICALTER57193.2022.9964898>



# Cognitive processes and reading skills in nursing students



**Authors:** Sánchez Trujillo, M.Á., Rodríguez Flores, E.A. .

**Abstract:** From a neuropsychological approach, the present study seeks to describe the cognitive operations applied during reading. This is a mixed case study, oriented to a sample of 200 Nursing students. For the collection of information, a test and a questionnaire of reading self-perception were applied to the students; as well as a semi-structured interview guide, aimed at teachers. It was found that they highlight that reading speed, memory and attention have an impact on the reading act, in addition to emotions and previous knowledge. In conclusion, cognitive operations are directly linked to the processes associated with reading.

**Keywords:** Reading ability, Reading comprehension, Reading strategies, Reading speed, Neurosciences, Cognitive processes, Mixed case study

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# Evidence of validity and reliability of DigCompEdu CheckIn among professors at a Peruvian private university



**Authors:** Gallardo-Echenique, E., Tomás-Rojas, A., Bossio, J., Freundt-Thurne, Ú.

**Abstract:** Introduction: For some years now, various frameworks and self-assessment tools have been developed to describe the facets of teachers' digital competence, one of these being the DigCompEdu CheckIn. This has been validated in English in Morocco, in German in Germany, and in Spanish in Spain. The objective of this study is to validate the instrument that was developed in another context, so that it responds to the need to measure the digital competence of teachers at a private university in Lima, Peru, based on their self-perception. Method: An instrumental study was carried out to determine the evidence of validity and reliability of the DigCompEdu CheckIn tool. The sample consisted of 1,218 teachers from different areas: Art, Sciences, Social Sciences, Legal Sciences, Engineering and Architecture, Health Sciences, and Humanities. Results: The results indicate the regrouping of digital skills in a structure of three factors (F1, F2, F3) and 22 skills, unlike the original structure composed of six factors. This reduction in the structure of competencies does not rule out the interaction between general competencies, but rather maintains it. The three global competencies (Student Competencies (F1); Educators Professional Competencies (F2); Educators Pedagogical Competencies (F3))



# Evidence of validity and reliability of DigCompEdu CheckIn among professors at a Peruvian private university



interact and interrelate. Conclusions: The findings show that the DigCompEdu CheckIn is a valid and reliable tool among teachers. New studies are needed to verify the three-factor proposal of the instrument for the Peruvian context, as well as its reliability in new populations and cultural contexts.

**Keywords:** COVID-19; digital competence; higher education; reliability; validity

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# Self-regulation in academic work of distance education students



**Authors:** Pinto-Guillergua, V., Montoya-Cantoral, E., Gomez-Carbonel, P., Gallardo-Echenique, E.

**Abstract:** This study describes the perception of self-regulation for the planning of academic work in distance education students. Its approach is qualitative with a phenomenological interpretive design because it analyzes the phenomenon of student self-regulation to start and finish academic work in virtual environments. 8 students from a higher education institute were interviewed. It was evidenced that students plan their activities according to the level of difficulty, which increases their self-efficacy and responsibility in decision-making in this modality. In addition, they have identified the development of self-regulation of their learning and valued the teaching presence in their learning environment.

**Keywords:** goals; homework; learning; planning; self-regulation

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# Collaborative Learning and Emergency Remote Teaching in Interpreter Training: Teachers' and Students' Experiences During COVID-19



**Authors:** Castillo-Chumpitaz, K.A., Gutierrez-Gargurevich, S., De La Torre Castro, J.A.H.

**Abstract:** Mandatory social distancing due to COVID-19 presented the challenge of shifting on-site education to virtual learning environments in order to resume lessons in universities around the world. In this context, Universidad Peruana de Ciencias Aplicadas (UPC) had to shift its Educational Model to Emergency Remote Teaching (ERT). This study aims to analyze Collaborative Learning in the process of adapting the virtual learning environment (VLE) used in the four Interpreter Training courses belonging to UPC's undergraduate program in Professional Translation and Interpretation (TIP) during the two academic terms of ERT in 2020. Six interpreter trainers were interviewed to explore their perspectives on adapting the VLE to allow and promote Collaborative Learning in their classes during ERT, while eleven interpreting students shared their perceptions on this VLE's effectiveness in a focus group. Results show how Collaborative Learning was developed through bonds of Positive Interdependence and Promotive Interaction between members of the learning community, both teachers and students.



# Collaborative Learning and Emergency Remote Teaching in Interpreter Training: Teachers' and Students' Experiences During COVID-19



**Keywords:** COVID-19, Federated learning, Training, Adaptation models, Electronic learning, Social factors, Optimized production technology

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# Back to the Face-to-Face classroom: instructors' perceptions on students' performance



**Authors:** Dreifuss-Serrano, C., Schreier-Barreto, C.

**Abstract:** After almost two years of exclusive online formats for higher education, students recently returned to campus and face-to-face activities. Even though this was much awaited, the perceived results from the instructors' point of view seem to show that students are not as prepared as they were in face-to-face environments before the pandemic. Using a survey, we obtain information on the perceptions of studio instructors, in several universities in Lima, Peru. Asking questions about students' performances in the specific parts of the process, and about the instructors' perceptions of their own attitudes and methods, we established which specific aspects seemed to have been most affected by the changes in education format. Most instructors agree that students' performance has worsened after going back to face-to-face classrooms, when compared to their teaching before the pandemic. We take this opportunity to reflect on the transitions from physical to virtual and back to physical environments, and the opportunities they present for reflection and evaluation on our teaching approaches.

**Keywords:** Pandemics, Education, Reflection

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# Strategies to reduce academic stress in postgraduate students in the distance education modality in times of COVID-19



**Authors:** De Los Angeles Sanchez-Trujillo, M., Egusquiza, D.F.S., Peralta, M.N.L., Flores, E.A.R.

**Abstract:** The current context of a pandemic associated with a new remote educational modality has generated various effects on the world population. University students, and specifically postgraduate students, face various challenges to adapt to this new reality, which could generate certain levels of academic stress. This research of mixed nature sought, first, to determine the main frequencies of the dimensions of academic stress in 67 students of the master's degree in Education of a private university of Lima for which the Inventory of Academic Stress SISCO SV adapted to this context was applied. Secondly, it aimed to propose and evaluate strategies aimed at improving the psychological well-being of these students based on a focus group made to the students. In the initial findings, certain stressors perceived by the students were identified, such as the overload of tasks and works, the manner of evaluation of the teachers, and the perception about the limited time to do the works. In addition, among the most recurrent symptoms, are chronic fatigue, drowsiness or increased need for sleep, restlessness, and anxiety. From the application of strategies of an emotional and academic nature, there was an improvement in the perception declared by the students, which favored their psychological well-being.





# Strategies to reduce academic stress in postgraduate students in the distance education modality in times of COVID-19



**Keywords:** COVID-19, Pandemics, Education, Sociology, Psychology, Human factors, Fatigue

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# Use of ICTs for Teaching-learning Oral Communication During the Pandemic



**Authors:** Casano, L., Valer, L., Arroyo, C.G.

**Abstract:** In this study, the main objective is to systematize a teaching experience in the development of oral communication competence with the use of ICTs. This study applied a qualitative approach, documentary in scope, and is structured based on the method of systematization of educational experience. Two techniques were used: documentary review and reconstruction of experience from memory. The results on the course improvements were promising: 89.48% of students were satisfied with the applied proposal and 92.95% with teaching performance. We conclude that including ICT in the teaching-learning process facilitates the development of oral competence in university students and requires the active participation of the instructor.

**Keywords:** Pandemics, Education, Oral communication, Proposals

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# The Use of Augmented Reality to Strengthen Competence in Data Analysis and Problem Solving in Engineering Students at the Universidad del Valle de México



**Authors:** Zamora-Antuñano, M.A., Barros-Baertl, R., Tovar-Luna, B., González-Gutiérrez, C.A., Mendez-Lozano, N.E., Cruz-Perez, M.Á.

**Abstract:** The objective of this research was to analyze the improvement in the data analysis and problem-solving competence of students of industrial and systems engineering (IIS) and mechatronics engineering (IMEC) through the use of this technology and its impact on the results of the undergraduate general examination (EGEL). A training course was held for teachers and students for the design of learning objects (LO), and a questionnaire on the use of AR and the improvement in learning was administered. AR is a technology that has begun to be introduced in different contexts and at different educational levels. The results obtained through the Wilcoxon test and the multiple correspondence analysis (MCA) showed that there were improvements in academic performance with the use of AR and an interest in this tool being used during the academic training process.



# The Use of Augmented Reality to Strengthen Competence in Data Analysis and Problem Solving in Engineering Students at the Universidad del Valle de México



**Keywords:** Augmented reality (AR); learning objects (LO); data analysis and problem-solving skills; academic development; EGEL results

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# Girls Wellbeing: Anxiety And Mathematical Achievement At The End Of Primary School



**Authors:** Salinas, G., Portocarrero, T., Barros, R.

**Abstract:** The aim was to determine whether there is a relationship between anxiety and mathematical performance in sixth grade primary school students, and if gender differences exist. Mathematics anxiety is a type of anxiety that affects this specific academic area or it is triggered by it. Studies have shown that students from the beginning of adolescence show mathematics anxiety and it increases as they progress through an academic environment. There is evidence to suggest that two important factors play a role in mathematics anxiety: the educational level and gender. There is consistent evidence that girls tend to be more affected by it than boys, but this has not been studied in primary school. 149 sixth grade students (mean age 140.5 months) from four schools in two Peruvian cities participated in two assessments, one that aimed to assess their level of mathematical anxiety and one that aimed to assess their mathematical achievement. Results revealed that although there is no relation between mathematical anxiety and mathematical performance in sixth grade students, there are gender differences. Females ( $n=72$ ) have an almost significant relationship ( $r=-.227$ ,  $p=0.56$ ). Presenting a lower mean in mathematics achievement compared to their male counterpart ( $x=14.05$  and  $15.71$  respectively) and higher anxiety ( $x=49.92$  and  $42.64$  respectively). This evidence has theoretical and practical implications in education, supporting girls' anxiety, as this could have a negative impact on their academic performance and wellbeing.





# Girls Wellbeing: Anxiety And Mathematical Achievement At The End Of Primary School



**Keywords:** Anxiety; elementary school; gender; mathematics performance; wellbeing

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# Gender Differences of University Students in the Online Teaching Quality and Psychological Profile during the COVID-19 Pandemic



**Authors:** Nomie-Sato, S., Condes Moreno, E., Villanueva, A.R., Chiarella, P., Tornero-Aguilera, J.F., Beltrán-Velasco, A.I., Clemente-Suárez, V.J.

**Abstract:** With the arrival of COVID-19, educational systems have had to adapt to the social and health situation immediately. This led to the appearance of the asynchronous teaching model. Throughout the pandemic, at the educational level, we can distinguish three phases, eminently online, hybrid, and finally, face-to-face. However, the perception of educational quality in these three educational moments, taking into account the psychometric profile and gender, has not been studied. Thus, 1093 university students from Ibero-American countries were analyzed. Through a questionnaire, demographic, academic, and psychological variables were analyzed at three moments during the evolution of the pandemic. Data suggest that, during the lockdown phase, while teaching was eminently online, students presented higher levels of stress and higher difficulty of learning; class attendance, convenience, preferred method of learning, grading score, and motivation were lower, compared to other phases of teaching (hybrid and face-to-face). During this period, females presented higher stress levels than males, as well as higher levels of anxiety and loneliness, without gender differences



# Gender Differences of University Students in the Online Teaching Quality and Psychological Profile during the COVID-19 Pandemic



among the other studied variables. During the hybrid and face-to-face phases, male students presented higher values in the results of difficulty learning and demanding activities. No differences were seen regarding motivation, synchronous class attendance, learning level, grades, convenience, or preferred learning method.

The results from the present study suggest that, despite the effect of the pandemic on mental health, asynchronous education is postulated as an effective teaching–learning alternative. Yet, a special focus should be given to female students.

**Keywords:** COVID-19; online teaching; hybrid education; mental health; gender differences

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# Viability of the digital twin in the inventory of educational assets to improve maintenance control



**Authors:** Primo Egoavil, X., Sucaticona Araujo, F., De La Torre Salazar, J.

**Abstract:** The lack of digitization of asset inventories managed by an educational institution, generates that maintenance management is affected; since, technologies are currently very advanced and propose better solutions for the control of the maintenance of educational infrastructures, one of them is the “digital twin” that has much potential to contribute concerning the traditional. However, the education sectors do not update their asset management processes, since being a very new digital tool takes time and investment for its optimal implementation, which causes a lack of quantitative evidence on the application of digital methods and thus generates a little contribution to the implementation or feasibility of the same. That is why using a methodology called “facility management”, which aims to use an innovative technology “digital twin” and thus generate a big change in the maintenance control of educational assets, to achieve this, it is necessary to compare a traditional inventory with a digital inventory using a digital twin, where maintenance management will be the common point. Given this, we used methodologies such as descriptive analysis where the traditional inventory is analyzed and the application of a digital inventory with the digital twin, there will also be the judgment of experts on the use of the digital twin, then a SWOT analysis and finally a comparative analysis of the inventories to demonstrate the viability.



# Viability of the digital twin in the inventory of educational assets to improve maintenance control



**Keywords:** Control management; digital twin; Inventory of educational assets; maintenance; viability

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