



SUSTAINABILITY REPORT

ITam

2023



ITAM


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We teach and lead by example, so we make sustainability an integral part of all aspects of university life.



As a higher education institution, our mission is to provide our students with knowledge, skills, and experience, enabling them to build a strong foundation for success while nurturing their character and integrity so they can tackle challenges at every level.

Aware of the challenges facing today's world, ITAM embraces its duty to help forge a sustainable future for all. We have adopted the United Nations Sustainable Development Goals (SDGs) as a guide in our efforts to address environmental, social, and economic issues.

This report, covering the academic years 2021-2023, highlights ITAM's commitment to advancing sustainability through educational programs and institutional practices. Our goal is to create a meaningful impact and cultivate a culture of sustainability within our community and beyond. By fostering innovation and collaboration, and by sharing knowledge to address complex sustainability challenges, we aspire to become a catalyst for change.

The activities described in this report are just some examples of our dedication to positively impacting society and the environment, nurturing a mindset of responsible decision-making among students, faculty, and staff, and inspiring collective action to advance toward a more sustainable and equitable world aligned with the UN SDGs.

Dr. Alejandro Hernández Delgado,
PROVOST

Our Framework

UN Sustainable Development Goals

The UN **Sustainable Development Goals** (SDGs) offer a comprehensive and practical framework for addressing global challenges and building a more sustainable future.

These goals, which aim at some of the most pressing social, economic, and environmental issues facing the world today, are universal. They encourage collective action, knowledge sharing, and strategic planning. Moreover, the inclusive nature of the goals resonates deeply with our students and faculty, as they align closely with their own awareness, concerns, and personal values.

ITAM embraces the SDGs as a universally accepted framework. Through our established mission, we are committed to promoting, supporting, and working to accomplish these ends.



Our SDG Contribution

We have identified a specific set of UN SDGs that **align closely with our mission and current activities** to more effectively focus the information presented. We then grouped these goals into thematic areas based on the focus of our various study programs. Note that many of the activities discussed here impact multiple SDGs, given the interconnected nature of sustainability.

By concentrating on these selected SDGs, we can present our activities and contributions more meaningfully, measure progress more effectively in the future, and identify and collaborate with partners who share similar goals.



Educational Excellence: The Cornerstone of our Actions

Mission: to provide a comprehensive education for professionals who will seek greater justice, greater freedom, and greater prosperity for all citizens.

EMPOWERING MINDS IS WHAT WE DO



As a university, we firmly believe that **education forms the bedrock of our sustainability efforts.**

Our primary goal is to provide an education that upholds unwavering dedication to both academic and human excellence. We are committed to ensuring accessible education for all, regardless of their background or circumstances.

We take pride in our distinguished faculty members, experts in their respective fields who are accomplished scholars and passionate educators who inspire and challenge students to reach their full potential.

We have designed a rigorous curriculum that encourages critical thinking, innovation, and intellectual growth. This curriculum equips our students with the knowledge, skills, and analytical mindset necessary to excel in their chosen fields.

Most importantly, however, **we foster human excellence** by promoting empathy, integrity, and social responsibility according to the declaration of principles that guides our values. We encourage students to engage in extracurricular activities, community service and leadership opportunities, empowering them to develop a profound sense of purpose and contribute positively to society. We aim to shape well-rounded individuals who not only possess academic brilliance but also are compassionate and ethical global citizens.

DECLARATION OF ITAM'S PRINCIPLES



Diversity Responsibility
Academic Freedom Excellence
Intellectual Honesty
Freedom of Expression
Enriching Community Interactions
Education
Legality Freedom of Thought
Integrity Non-Discrimination



FACTS AND FIGURES

+4,000

Undergraduate
Students

+600

Graduate Students

+27,000

Alumni

14 Undergraduate and Engineering
Programs

10 Graduate Programs

+200 Full-time Professors

+150 Executive Development
Professors

STUDY PROGRAMS

Division of Business

Undergraduate programs:

- Business Administration
- Accounting and Financial Strategy
- Financial Management
- Business Engineering
- Marketing Management

Graduate programs:

- MBA
- Master's Degree in Finance
- Master's Degree in Marketing
- Executive MBA

Division of Social Sciences

Undergraduate programs:

- Economics
- Law
- Political Science

Graduate programs:

- Master's Degree in Human Rights
- Master's Degree in Public Policy
- Master's Degree in Economic Theory
- Master's Degree in Applied Economics
- Ph.D. in Economics

Division of Computer Science

Undergraduate programs:

- Computer Engineering
- Data Science

Graduate Programs:

- Master's Degree in Computer Science

Division of Exact Sciences

Undergraduate programs:

- Applied Mathematics
- Actuarial Science

Graduate programs:

- Master's Degree in Risk Science
- Master's Degree in Data Science

Division of Engineering

Undergraduate programs:

- Industrial Engineering
- Business Engineering
- Mechatronics Engineering

Division of General Studies and International Studies

Undergraduate programs:

- International Relations

ACCREDITATIONS



Council on Accreditation
of Engineering Training



FIMPES

Federation of Mexican
Institutions of Higher
Education



Council on Accreditation
in Accounting and
Management Education



National Council on
Accreditation in
Information Technology
and Computer Science



ABET

Accreditation Board for
Engineering and
Technology



European Quality
Improvement System



American Assembly of
Collegiate Schools of
Business



Seoul Accord



Association of MBAs



CONAHCYT
CONSEJO NACIONAL DE HUMANIDADES
CIENCIAS Y TECNOLOGÍAS

SNP - National Graduate
System of CONAHCYT



For more information about ITAM's accreditations, please visit
www.https://www.itam.mx/en/accreditation or scan the QR code

EDUCATION

4 QUALITY EDUCATION



"Ensure inclusive and equitable education and promote lifelong learning opportunities for all."

Our **commitment to knowledge** extends beyond the boundaries of our campus. We actively share knowledge and expertise with the broader community through various events, seminars, workshops, and educational programs. We engage not only our students but also our esteemed alumni, professionals from various fields, and the general public.

We actively shape public policy changes and lead in developing and disseminating innovative methodologies. We collaborate with policymakers, governmental bodies and industry leaders to influence positive change in various sectors. **We consider education to be a driving force in societal change and we share our knowledge.**

462 institutional events

76 Conferences

25 Webinars

27 Talks

17 Book Presentations

33 Seminars

56 Noncredit Short Courses

4 Informational Sessions

5 Speaker Series

3 Master Classes

3 International Congresses

9 Workshops

3 Interuniversity Meetings

9 Student organizations

152 Publications

7 Research Centers

10 Contests

21 Forums

2 Bootcamps





INTELLECTUAL LEADERSHIP



Dissemination of Methodologies



Sylvia Meljem

Member of the Mexican Business Roundtable (CCE), shaping best governance practices, including sustainability standards, diversity and inclusion, particularly women in leadership positions. A member of IFAC's PAODC, promoting best practices in professional accounting organizations, including those related to sustainability.



Sandra Minaburo

Professional advisor to the Mexican Accounting Board regarding implementation of Accounting Standards concerning sustainability.

Seminars



The **Actuarial Perspectives Seminar**, held by the Division of Exact Sciences addressed issues affecting the insurance and pension sectors in Mexico and the rest of the world. New trends, development opportunities, and current challenges were discussed. The event brought together leaders from the public, private, and academic sectors, as well as prestigious economic, actuarial, and risk management analysts.



The **Economic Perspectives Seminar** delved deeply into the coming challenges facing our nation. With a prominent focus on sustainability and education, the seminar extensively explored critical aspects like inflation, global market reconfiguration, and the far-reaching consequences of climate change.



The **Political Perspectives Seminar** addressed critical issues in the areas of social security, public safety, and democracy. The discussions included the evolving challenges of social security, emphasizing the importance of personalizing services and harnessing the potential of technology to enhance social security measures.

Also discussed were public safety and the media's role in shaping democracy. It examined the phenomenon of democratic erosion in various parts of the world.



Involvement with the Community

Clinical legal education **connects students with real-world legal issues**, fostering skills, social justice, and sustainability. Students contribute to a just and sustainable future through hands-on experiences in cases involving human rights and the public interest, positively impacting education, sustainability, and social progress.



ENGAGEMENT



Student Initiatives



AIESEC's core mission is to cultivate youth leadership by providing them with valuable opportunities in an international context. AIESEC connects young people with social service projects in foreign countries. This unique experience allows them to immerse themselves in different cultures and foster their personal growth and development. Through these international projects, young people contribute positively to global communities.



It also connects students from other countries with companies in Mexico, enabling them to gain professional experience and learn about Mexican culture.



Tera is a student initiative focused on researching and designing virtual reality (VR) glasses and augmented reality (AR) media, and also developing VR and AR experiences. This initiative aims to provide educational support to students in rural communities, ultimately reducing dropout rates.



Workshops That Empower



Three dynamic events converge to empower young individuals in STEM fields. **Coding Rush** ignites passion for programming in high-school students, presenting thrilling challenges in mastering programming techniques and data structures. The **Women's Mathematics Olympiad** boosts middle and high school girls' performance in STEM, specifically mathematics, in this tournament held in Mexico. Collaborating with MIT, the **Beautiful Patterns** initiative sparks STEM interest among girls, ensuring a brighter future for aspiring STEM enthusiasts and leaders.



Coding Rush



Beautiful Patterns



Women's Mathematics Olympiad



Mexican Economics and Finance Olympiad

ITAM served as the venue for the **Mexican Economics and Finance Olympiad (OMEF)**, where a five-person team was selected to represent Mexico in the International Economics Olympiad. The OMEF was organized in two rounds: the first took place online, and the second was held in person on our campus, with the support of our professors.

Participants, organizing committee, invited guests and attendees of the Mexican Economics and Finance Olympiad.



EPIC LAB

Unleashing Entrepreneurial Excellence:

This pioneering space allows educators to lead the next generation of entrepreneurs.



The Epic Lab helps participants build **entrepreneurial skills** to develop technology-based business ideas that create economic value and can transform Mexico. Through events, workshops, and conferences, Epic Lab applies a formal, applied, and clear methodology to identify, recruit, support, and track high-impact entrepreneurs.

	2021-2022	2022-2023
Total number of participants	1375	1652
ITAM students	688	899
Workshops conducted	15	11
Workshop attendees	812	771
Conferences and panels	4	4
Conference and panel attendees	232	385
Bootcamp participants	54	62
Mentors in the network	130	108
Contests	2	1



Bootcamp For Women

Every semester, the EPIC Lab carries out an initiative focused on female students. Each initiative consists of three sessions aimed at “Inspiring,” “Educating,” and “Connecting,” respectively.



Bootcamp for Women by Women, with McKinsey

268 participants

Bootcamp for Women, with Women Investing

193 participants



Wake UP Speaker Series Season 4 and 5

An initiative to bring entrepreneurs closer to key issues in innovation and entrepreneurship. These talks were held online and open to the general public.



Entrepreneurship & Innovation Bootcamp

A two-week program led by MIT instructors Jenny Larios Berlín and Kevin D. Johnson, teaching Bill Aulet's 24-Step methodology. After 100 hours of intensive collaboration, guided by expert speakers and mentors, 54 students from diverse universities learned to identify business opportunities and refine ideas, and presented their projects at Demo Day





ITAM

Extensión Universitaria
y Desarrollo Ejecutivo

ITAM Executive Development is a proud member of UNICON, the International University Consortium for Executive Education, which encompasses the world's top business schools offering executive education programs. Our commitment to academic excellence, continuous innovation, forward thinking, and a global vision positions ITAM as a leading provider of continuing education and executive development in Latin America.

	Total programs 2021-2022	Total programs 2022-2023
Refresher Courses	1902	1908
Special Courses	1606	1961
Institutional Diplomas	1188	1105
Special Diplomas	160	172
Executive Programs	682	525
Asynchronous Online Diplomas/Courses	24	-
ITAM Digital ExEd	-	822
Total	5562	6493

The table below breaks down the number of sustainability courses offered by category.

	Education	Inclusion	Environment	Society, Economy and Innovation	Governance and Democracy	Well-being
Courses	15	39	20	34	32	26

BAL Group Executive Certification



This program is tailored to high-potential senior executives from all BAL Group companies. Their leadership roles within their organizations ensure effective knowledge dissemination across various levels.

The 180-hour program covers topics like ESG, generational differences, innovation, inclusive leadership, health and well-being, and business sustainability.

Throughout the program, participants develop projects that benefit the group's companies as well as the broader community. Examples of these projects include building homes for vulnerable communities, implementing flexible work arrangements based on personal preferences, and devising strategies to reduce poverty among Mexican children and adolescents.



INCLUSION

1 NO POVERTY



5 GENDER EQUALITY



10 REDUCED INEQUALITY



"Promote inclusive and sustainable development by addressing poverty in all its forms, advancing gender equality and empowering women and girls, and reducing inequality within and among countries."

INSTITUTO TECNOLÓGICO AUTÓNOMO DE MÉXICO

ITam

DESMANTELAMIENTO DE UNA RED TRATA DE PERSONAS

TESIS

QUE PARA OBTENER EL TÍTULO DE
LICENCIADA EN CIENCIA POLÍTICA
PRESENTA

SOFÍA DE LA MORA TOSTADO

ASESORA: MTRA. ALEXANDRA URIBE COUGHLIN

CIUDAD DE MÉXICO

2022

SOCIEDAD
MATEMÁTICA
MEXICANA

"Dismantling a Human Trafficking Network," a student dissertation project, won the Sotero Prieto Award from the Mexican Mathematical Society for the best undergraduate thesis in mathematics and related topics in Mexico.

38

Senior thesis projects



17

Curricular courses



33

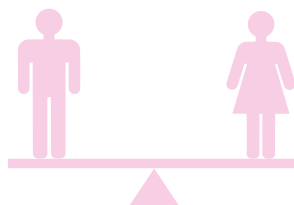
Published research papers



Associate Professor at ITAM and Co-Chair of the WTO Chair Program in Mexico.

Amrita Bahri specializes in international trade law, WTO disputes, public-private partnerships, emerging economies, regional trade, and gender justice. Her articles are featured in esteemed journals such as the Journal of International Economic Law and the World Trade Review.

Dr. Bahri pioneered the first framework to gauge gender-responsiveness in trade agreements, as articulated in the ITC's policy paper "Mainstreaming Gender in Free Trade Agreements".





INTELLECTUAL LEADERSHIP



Research is of core importance to ITAM, and we have attracted a cadre of high-caliber researchers that contribute to understanding societal challenges and propose innovative problem-solving solutions.

While we do not impose stringent research guidelines and grant our faculty the autonomy to pursue their unique interests, we remain **committed to tackling pressing societal challenges**. Below is a brief glimpse into some of the ongoing research initiatives.

Evaluating the compensation gap for female executives

The impact of female board members on family firm internationalization

Increasing Retirement Savings through access points and persuasive messages: evidence from Mexico

The negative impact of domestic violence for women in Latin America

New methodologies to train and empower women in the workplace

Income and wealth distribution: new conceptual and methodological approaches

Remote work and disparities across education/income groups, men versus women

The gender gap in the Mexican pension system

Labor market consequences of discrimination for gender minorities

Women Leaders Workshop: Unlock Your Potential



This workshop, offered by **ITAM Executive Development**, is designed for women in leadership positions who aspire to advance further and enhance their ability to inspire colleagues. It is a comprehensive 20-hour program, covering critical topics such as addressing self-limiting beliefs, overcoming impostor syndrome, and equipping participants with self-confidence tools. The program concludes with an inclusive forum in which men actively engage in conversations to foster a deeper understanding of gender equality challenges. To date, seven workshops have been successfully organized, with 180 women participating.



20th Century Women Achievers

A poster campaign by the Academic Department of Engineering, **promoting gender diversity in STEM** by highlighting women's contributions to science, inspiring future generations to overcome gender barriers in STEM.



Student Initiatives



ITAM Construye aims to break down barriers and create equal opportunities for all by fostering an inclusive environment within ITAM's neighborhood and beyond.



Current programs:

- **BRICO Brigades** for the Recovery of Public Spaces. Student volunteers work together to clean, repair, and beautify parks, gardens, streets, and other public areas.
- **Coro Construye** A space to develop singing skills and musical abilities.
- **Danco ITAM** students with dance knowledge offer classes in dance styles such as Hip-Hop and Jazz. The aim is to generate a healthy space for children to express themselves and exercise.



Enlace Rural is a student organization that supports rural communities in Mexico by working with different groups of women from those communities, helping them sell their handcrafted wares and become self-sustaining.

More student initiatives:

Asociación de Estudiantes Foráneos - aef.itam.mx

Cuarta Ola - @CuartaOla

Diversidad Sexual ITAM - @Diversidad_ITAM





FINANCIAL INCLUSION



SCHOLARSHIPS

ITAM has one of the most generous financial aid strategies in Mexico. **One out of every three students receives financial support** to cover the cost of their studies. Scholarships and repayable loans from ITAM cover between 10% and 100% of tuition.

Stipends

Total active scholarship recipients: 118

Total donors (including 11 funds): 1,388



Grantees



Student Testimonial



Paulina Garza Allende
Computer Engineering



"The scholarship has played a crucial role in enabling my studies at ITAM. It has alleviated financial pressures, allowing me to fully immerse myself in my studies and campus activities. With this support, I can now concentrate on my coursework and engage in extracurriculars without feeling overwhelmed. This scholarship has not only facilitated my education at ITAM but has also opened doors for me to pursue my aspirations. I'm deeply grateful for the opportunities it has provided."

Want to learn more?

Visit our scholarship web page.



SCAN ME

ENVIRONMENT

7 AFFORDABLE AND CLEAN ENERGY



13 CLIMATE ACTION



"Take decisive action to ensure universal access to affordable, reliable, and sustainable energy while urgently combating the far-reaching impacts of climate change."



The ITAM Orchard: Fostering Sustainability and Connection

Verde ITAM is a student organization that, through numerous channels and activities, aims to raise awareness about the environment.

Nestled within the campus, the Orchard is a student-run sustainability project that serves as a reminder of the importance of nature and how it benefits our campus. Crafted to create environmental awareness, it is a place where students grow fruit-bearing trees and vegetables, showing dedication and commitment to the environment.



Planting the first tree

33

Senior thesis projects



20

Curricular courses



17

Published research papers



Senior thesis projects :

- Climate Scenario Analysis for Mexican Agriculture.
- Effects of Intermittent Energy Generation on Reserve Costs in the Wholesale Electric Market.
- The Transition from Oil Power Plants to Natural Gas and Its Impact on Health in Mexico.



The ITAM orchard:





INTELLECTUAL LEADERSHIP



CENTRO ITAM
ENERGÍA Y RECURSOS NATURALES



ITAM Center for Energy and Natural Resources

	2021	2022	2023
Webinars	6	6	2
Seminars	0	2	2
Courses	2	2	2
Diploma Programs	1	1	1
Publications	3	3	3

ITAM acknowledges the vital role of energy policy and stewardship of renewable and non-renewable natural resources in Mexico. Aware that these issues span multiple disciplines and that social sciences can provide valuable insights alongside traditional natural sciences and technology, ITAM created the ITAM Center for Energy and Natural Resources.

CERN-ITAM and its researchers are opinion leaders in their fields of expertise. They conduct and publish innovative energy and environmental research that provide reference frameworks and documents for informed decision-making by society, industry, academe, and government.



Hydrocarbons

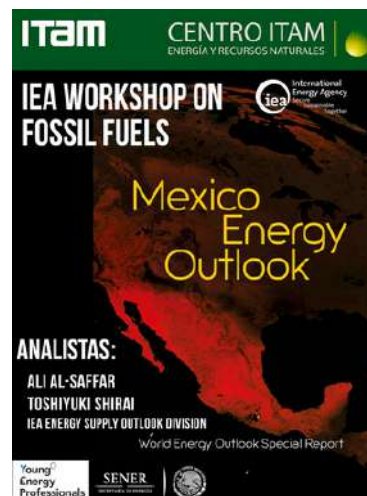
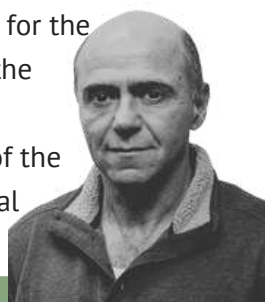
Gas

Electricity

Renewable Energy

The Center's researchers actively engage with the community, disseminating knowledge through advisory boards and task forces.

Professor Juan Carlos Belaustegigoitia, who leads CERN, is an advisor for the Bank of Mexico on ESG Affairs, a water advisor for the Rio Arronte Foundation, a member of the Sustainable Finance Committee, Vice President of Pronatura and President of the Task Force for Climate-related Financial Disclosure (TCFD) Consortium.



Energy in the Network



Agreements



Regulation of the Energy Sector



Energy Colloquiums



Friends of CERN



Energy and Sustainable Development
Collection



ITAM Publications



Courses



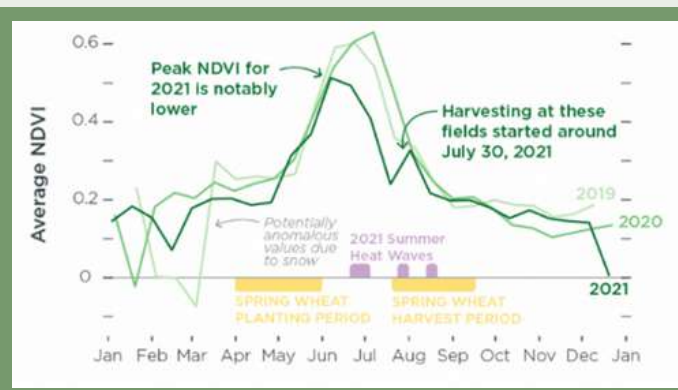
Certification in Energy Economics



This certification course equips participants with the essential tools of economic theory and quantitative analysis methods to comprehensively grasp the origin and function of energy markets in contemporary societies. It delves into their distinctive features, economic and social consequences, appropriate regulatory measures, and environmental impacts. This program is offered annually.

Research Projects

In collaboration with the Technical University of Applied Sciences of Würzburg-Schweinfurt (THWS) and the Autonomous University of the State of Morelos (UAEM), we work on **precision agriculture projects**. Together with THWS, we are developing AI models to forecast the amount of wheat that will be harvested at the end of each season. With UAEM, we are developing image segmentation models to detect fig trees.



Amount of wheat harvested, by month



Area in Mexico City for data collection of air quality.

We developed an **AI model for air quality forecasting**, which uses outdoor measurements to forecast indoor air quality. This is intended to help rectify the lack of indoor air quality measurements. The model works with public data and has been found 89% accurate.





OPERATIONS



Regulatory Compliance



ITAM has obtained a Unified Environmental License certification for meeting the following criteria:

- Air Emissions: Compliant with NOM-085-SEMARNAT-2011, NOM-043-SEMARNAT-1993 AND BADF-010-AMBT-2006
- Wastewater Discharge: Adherence to NADF-015-AGUA-2009, NADF-022-AGUA-2011.
- Solid Waste Management: In accordance with Article 6, section IX

The Mexican environmental authorities grant this license for a project's implementation, and recipients must abide by stipulations, deadlines, terms, and obligations regarding the prevention, mitigation, and management of environmental impacts associated with the approved project.

Electricity Saving and Emission Reduction Programs



- Solar panels used to heat gym showers.
- Incandescent lightbulbs replaced with energy-efficient LEDs.
- LED technology installed in computer rooms
- Renewable energy acquired from the Fuerza Eólica del Istmo wind farm in Oaxaca.

ITAM meets close to **100% of its energy needs from renewable sources**, primarily **wind power**, through a partnership with Fuerza Eólica del Istmo, a subsidiary of a prominent Mexican conglomerate called Grupo BAL. Fuerza Eólica operates a wind farm in the Isthmus of Tehuantepec, Oaxaca. Its core activities include the development, construction, and operation of wind farms, leveraging the region's abundant wind resources.

Water-Saving Programs

- **Water-saving systems** in bathrooms, sinks, kitchens, showers, and the gym.
- Toilets feature electronic flush systems with a water-saving capacity.
- Urinals have electronic flush systems with lower capacity.
- Faucets are fitted with electronic sensors, ensuring activation only upon hand movement.
- Mixer taps in the cafeteria kitchen are designed to conserve water
- Garden maintenance and irrigation are conducted using purchased treated water.





Waste Management and Recycling

- We sort our waste into organic and inorganic categories.
- Hazardous waste, such as paints, cleaners, and used masks, is handled and disposed of separately.
- We partner with a third-party provider to recycle cooking oil.

We aim to **effectively manage all waste** streams, including plastics, electronics, recyclables, and hazardous waste. Moreover, we actively explore innovative methods to minimize waste generation and promote waste reduction.



Community Transportation Service

Many of our students must commute by car every day. Creating a sustainable commuting culture requires awareness, incentives and infrastructure improvements. We are working on **offering students more sustainable choices in their daily commute**.



- **Free Bus Service:** We offer a free bus service from the Rio Hondo campus to the Barranca del Muerto and Miguel Angel de Quevedo metro stations and between the Rio Hondo and Santa Teresa campuses.
- **Carpooling Incentives:** We encourage carpooling by providing preferred parking spots and discounted parking permits to those who share rides.
- **Ride-Sharing Platforms:** We have facilitated platforms where students can connect with fellow students living nearby, making it easier to arrange shared transportation.

Reuse Programs

- Printing brochures on **recycled paper**
- **Reuse** programs for plastic folders

Green Areas

- 9000 M2 of green areas, covering about **25%** of the total campus grounds (35,559 m2).



SOCIETY, ECONOMY, AND INNOVATION

8 DECENT WORK AND ECONOMIC GROWTH



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



"Promote sustainable economic growth, resilient infrastructure, and sustainable consumption for a thriving society and economy."

Full-time Professor, National System of Researchers: Level II

Professor Claudia Gonzalez Brambilia analyzes the determinants of research productivity among faculty entrepreneurs using a unique database that combines faculty characteristics, licensing information, and journal publication records. Her findings indicate that faculty entrepreneurs are not only more productive than their peers but also maintain this level of productivity even after establishing a firm. Additionally, she has conducted research on the scientific productivity of developing countries, finding that these nations are narrowing their science gap through increased investment in research and development, some even approaching the scientific output of developed nations.



187

Senior thesis projects



16

Curricular courses



18

Published research papers



Senior Thesis Projects



Design and Implementation of an Automated Orthotic Rehabilitation Arm Using Pneumatic Artificial Muscles

Design and Implementation of a Simulation and Modernization System for Converting a Gasoline Car to Electric

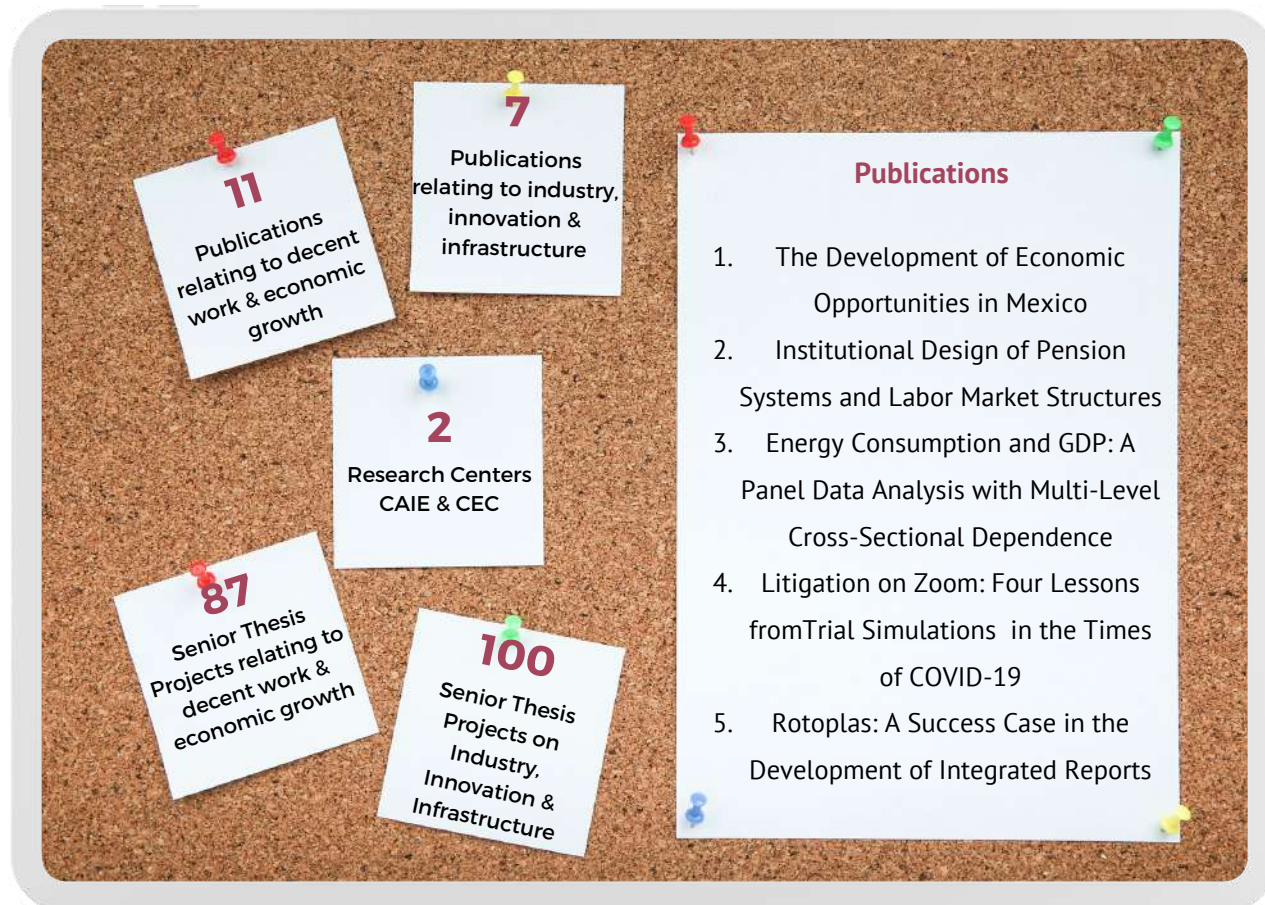


Design and Implementation of a Modular and Automated Hydroponic System

Quantitative and Qualitative Analysis of the Demand for a Corporate Venture in a Wholesale Model



Single-Use Plastics Management Strategy: An Analysis of the Law in Mexico City



Center for Competitiveness Studies (CEC)

The Center serves as a vital link between ITAM and the business world. It applies innovative approaches to the analysis of various sectors, including manufacturing, primary industries, and services. This contributes to the broader goals of enhancing society, boosting the economy, and fostering Innovation.

The CEC tackles economic challenges by transforming recommendations into actionable projects, all while staying in sync with these overarching objectives. Through its commitment to rigor, adaptability, and cooperation, CEC plays a crucial role in advancing both human resources and society as a whole.



Projects Undertaken by CEC

- **Financial Resilience Strategy for the COVID Crisis:** CEC develops strategies to navigate the global impacts of the COVID-19 crisis, focusing on uncertain duration, rapid job reduction, and **related** challenges.
- **A Customer Needs-Based Approach to Financial Inclusion:** CEC tackles financial inclusion gaps using a customer needs-based approach, bridging the divide between product offerings and consumers' actual needs.



Sustainable Finance and Risk Analysis



This program is conducted in collaboration with the Green Finance Advisory Council and the ITAM Center for Energy and Natural Resources, spans 80 hours, and is delivered remotely. It covers environmental economics, policy initiatives, the sustainable finance ecosystem, climate and environmental risk analysis methods, regulatory trends, and decarbonization transition.

Throughout the program, participants work on projects that apply knowledge on climate change, biodiversity loss, carbon accounting, and risk analysis frameworks. They also examine challenges and opportunities for low-carbon investments.

ENGAGEMENT



Best Financial Analysis of a Publicly Traded Company, with BIVA

BIVA (Bolsa Institucional de Valores) and ITAM invite teams of students to compete for Best Financial Analysis of a Publicly Traded Company. In this program to promote **professional skills among economic and financial graduates**, each team presents their analysis to a specific corporation, such as Bachoco, Alsea, and Traxión, replicating a typical director's report to shareholders, before a specialized jury. The initiative encourages the integration of theoretical and practical knowledge, **fostering academic excellence and professional readiness**.



Student Initiatives



Alcance generates critical awareness among volunteers and fosters a culture of social commitment based on active and creative participation in many projects that work towards a more just society.



ARTizapán reclaims marginalized spaces and rebuilds social fabric through urban art.



GOVERNANCE AND DEMOCRACY

16 PEACE, JUSTICE AND STRONG INSTITUTIONS



"Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels."

Head of the Academic Department of Law
Full-time Professor

Joyce Sadka has collected extensive labor court litigation data in Mexico since 2005. Her research influenced significant labor law reforms from 2017 to 2019. She currently leads a team creating case management systems for labor conciliation and new labor courts within Mexico's judicial branch .



Book Presentation

(CESIG presented Christopher Blattman's latest book, *Why we fight: The roots of war and the paths to peace*.

112

Senior thesis projects



37

Curricular courses



17

Published research papers



Full-time Professor, National System of Researchers: Level II

Vidal Romero has undertaken research projects with organizations such as the World Bank, Inter-American Development Bank, México Evalúa, and the Wilson Center. His current research focuses on understanding how states establish law and order, including the ways in which both State and criminal organizations penetrate society. He also explores community organizations' impact on mutually beneficial transactions with private and public companies, especially mining and energy projects.





INTELLECTUAL LEADERSHIP

**CAJ (The Center for Access to Justice)**

CAJ serves a dual purpose: first, it provides a service to the community, particularly economically disadvantaged people who have little or no access to justice, and second, it allows students to apply the theoretic lessons of the classroom to real-world legal dilemmas.

**Academic Department of Law:
Community Legal Clinics**

- Criminal Litigation Clinic Against Serious Human Rights Violations
- Legal Clinic for Businesses
- Law and Public Policy Clinic
- Sustainable Development and Environmental Law Clinic
- Clinic for Labor Justice Improvement
- Alternative Dispute Resolution Clinic
- Clinic for Refugee Assistance



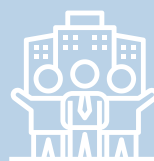
346
consultations



53
court proceedings



135
students



19
corporate
procedures



43
projects with civil
society and
government

**Data from August 2021-July 2022*

The CAJ offers legal advice to economically disadvantaged individuals and members of the ITAM community in various areas, including:

- Human rights
- Paternity cases
- Child support cases
- Divorces (voluntary and necessary)
- Rectification of records
- Civil contracts
- Copyright and intellectual property
- Adverse possession
- Property registration
- Leases
- Brand and business creation





Center for Studies on Security, Intelligence, and Governance (CESIG)

The Center's work revolves around the fields of **security, intelligence, and governance**. It focuses on influencing public decision-making in these matters by:

- Supporting the production of cutting-edge academic knowledge in the fields of security, intelligence, and governance.
- Disseminating knowledge on these topics through publications, conferences, and a Seminar on Security, Citizenship, and Violence, held at ITAM since 2013.



Some Current Programs

- **Regular seminars** with academics and other experts from diverse professional fields involved in understanding security, intelligence, and violence and their political and economic consequences in society.
- **Book presentations and key findings** relative to security, intelligence, violence, and governance in Mexico and Latin America.
- **Leading partner in FORTAPOL**, the Program for Institutional Strengthening and Certification of Investigative Police, funded by INL and deployed in various states in Mexico.

Data Science Center

The Data Science Center aids in designing data strategies and products to equip organizations for an uncertain future. Its mission involves assisting governmental and non-governmental entities to enhance citizen-facing services fairly and positively. CCD achieves this by sharing knowledge, code, and data products, and also training Data Scientists who specialize in modeling and simulating complex socio-technological problems, enabling robust policy design to effectively navigate uncertainty.



Some of their initiatives



PAOT Complaint

Analysis of PAOT complaint data and development of prototype complaint systems for citizens; a project developed with the Environmental and Land Management Office of the CDMX-16

Analysis of expressions in social networks and media coverage of femicides in Mexico; a project developed with SocialTIC.

Lima Buendía



Centro de Estudios Alonso Lujambio (CEAL)

The Alonso Lujambio Center for Studies is a research center affiliated with the Department of Political Science. The Center's mission is to promote knowledge exchange in areas crucial for the democratic advancement of Mexico, including electoral processes, transparency, and legislative studies.



ENGAGEMENT



Annual Congress of the Ibero-American Institute of Law and Finance



The Congress of the Ibero-American Institute of Law and Finance, hosted by ITAM, focuses on exploring scientific and regulatory advances in areas such as corporate law, insolvency law, financial regulation, the stock market, and fintech. The event brings together experts and professionals to discuss reforms and proposals aimed at enhancing business and financial regulations in Latin America, thus contributing to the development and efficiency of markets in the region.

Annual Conference of the Mexican Chapter of ICON-S "Public Law and Social Change"

The conference, entitled "Public Law and Social Change," was co-organized by ITAM and the UNAM Institute of Legal Research.

The conference sought to explore how public law relates to societal changes and addressed topics of relevance, such as government responses to the pandemic, judicial actions in the face of institutional failures, and a global perspective on gender parity.



Philanthropy, Democracy, and Paternalism

13 de octubre
De 14.30 a 16.00 h
Salón 308

Más información:
eventos.itam.mx



Philanthropy, Democracy, and Paternalism

The Academic Department of Political Science held a [seminar on "Philanthropy, Democracy, and Paternalism."](#) Emma Saunders-Hastings discussed her book *Private Virtues, Public Vices: Philanthropy and Democratic Equality*, examining philanthropy's impact on democratic values. She highlighted concerns about political inequality and proposed reforms to ensure that philanthropy aligns with democratic principles.

Equality in Judicial Precedent

The seminar discussed using judicial precedent to achieve equality in the legal system. It questioned unequal outcomes in cases and highlighted how precedent can ensure consistent and fair decisions. The 2021 constitutional reform aimed to make Supreme Court decisions more binding for lower courts, extending the impact of constitutional decisions. Precedent holds authorities accountable for implementing constitutional promises, promoting diversity protection. This approach has the potential to create positive changes in the legal system.



Dr. Rodrigo Camarena

Departamento Académico de
Derecho ITAM

WELL-BEING

3 GOOD HEALTH AND WELL-BEING



"Ensure healthy lives and promote well-being for all at all ages."

Margarita Tarragona, Ph.D. is professor of psychology and Director of the ITAM Center for Well-Being Studies. Her interests center on human flourishing and transformation through the application of positive psychology in education, psychotherapy, and coaching. She specializes in designing well-being programs and curricula for higher education.



45

Senior thesis projects



6

Curricular courses



26

Published research papers



Health Conferences

- Talks and presentations on topics such as addiction prevention, physical and mental health, holistic well-being, and the promotion of diversity and gender awareness, among others.

HIV-AIDS: Myths and Realities
More Happiness, More Health?
Demystifying Myths about Breast Cancer
Roundtable: Gender-Based Violence Treatment
Preventing Through Information: Human Papillomavirus
The Pandemic Has Ended: What We Currently Need to Know About COVID-19
The Need to Understand Sexually Transmitted Diseases
Roundtable: Happiness from Three Perspectives
Challenges in the New Masculinities Agenda



INTELLECTUAL LEADERSHIP

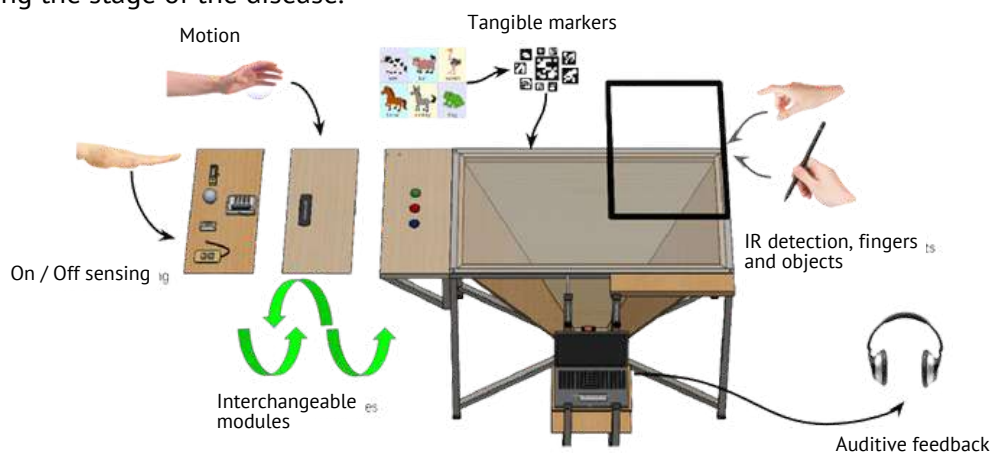


Adrian Rubli

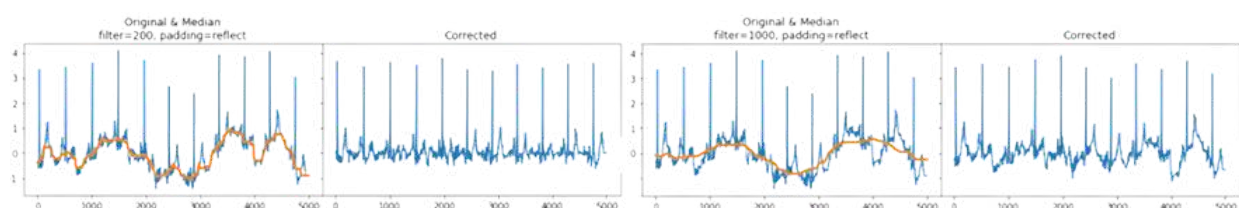
Dr. Rubli's research focuses on understanding how healthcare providers and health policies interact and shape population and market outcomes in developing contexts, particularly in Mexico.

Research Projects

- Design and construction of an Internet-of-Things haptic table to implement and monitor cognitive therapies for people with dementia and support healthcare professionals in determining the stage of the disease.



- In collaboration with the National Institute of Cardiology Ignacio Chávez (INCIC), the startup Astra Vision, and FunSalud, we are collecting electrocardiogram data, and training an AI model that can perform a triage of patients based on cardiac conditions and their severity. The final goal is to be able to develop an app that non-cardiologist doctors can use as a first contact tool to help them interpret electrocardiograms.



Examples of noisy signals and their cleaning process for the categorization of ECG records



ITAM Center for Well-Being

The mission of the ITAM Center for Well-Being Studies is to promote well-being by sharing scientific findings on happiness, fostering practices that help people live full lives, and researching well-being and human flourishing.

1 Flagship Course

21 Science of Well-being Outreach Activities

12 Training Events and Workshops for the ITAM Community

9 International Keynotes and Conference Presentations by Dr. Margarita Tarragona

Course in Mindfulness: Practical Tools for Managing Business and Personal Life

Mindfulness can be understood as a state of full attention awareness. It is currently used in large companies and universities as a tool to reduce stress and anxiety, and to increase individuals' concentration, motivation, and productivity. The course aims to provide participants with a detailed view of the mindfulness meditation technique, its origins, operation, and benefits based on scientific evidence. Whether we want to improve communication and active listening, emotional intelligence, efficiency, and presence at work, or learn to lead a fulfilling life, practice self-compassion, and improve relations with ourselves and those around us, this course provides the necessary tools and guides us in incorporating them into daily life. Eight students participated in the course, which lasted 24 hours.





ENGAGEMENT



Student Affairs Department

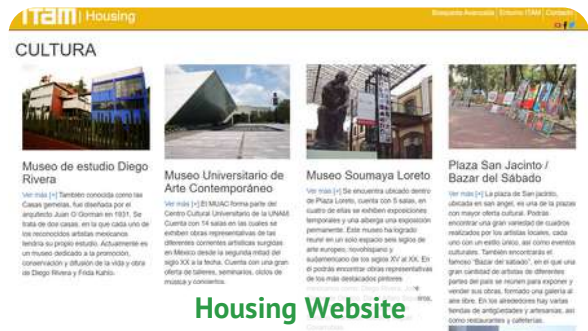
Conferences	22
Forums	5
Informational Sessions	4
Noncredit Short Courses	48
Speaker Series	1
Webinars	3



ITAM Olympics



Health Conferences



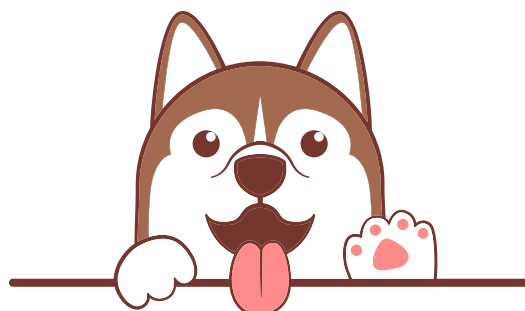
Housing Website



Health Fortnight



ITAM Peer Program





www.itam.mx

Switchboard: 55 5628 4000

Within Mexico: 800 000 ITAM

USA: 011 52 55 56 28 4000

Rest of the World: 00 52 55 56 28 4000

Río Hondo Campus

Río Hondo #1
Col. Progreso Tizapán
CP. 01080.
Alc. Álvaro Obregón,
Mexico City

Santa Teresa Campus

Av. Camino
a Santa Teresa #930
Col. Héroes de Padierna
CP. 10700.
Alc. Magdalena Contreras,
Mexico City