



# Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation.

Ambassador of SDG 9:  
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## TARGETS :

- DEVELOP SUSTAINABLE, RESILIENT AND INCLUSIVE INFRASTRUCTURES
- PROMOTE INCLUSIVE AND SUSTAINABLE INDUSTRIALIZATION
- INCREASE ACCESS TO FINANCIAL SERVICES AND MARKETS
- UPGRADE ALL INDUSTRIES AND INFRASTRUCTURES FOR SUSTAINABILITY
- ENHANCE RESEARCH AND UPGRADE INDUSTRIAL TECHNOLOGIES
- FACILITATE SUSTAINABLE INFRASTRUCTURE DEVELOPMENT FOR DEVELOPING COUNTRIES

## 1- PROMETEO PROJECT

In the context of the cross-border cooperation program IEV "Italy-Tunisia" 2014-2020, co-financed by the European Union, where the Sicilian Region - Presidency - Department of Planning is the managing authority, the project titled

"A cross-border village to protect shared knowledge of Mediterranean tree crops - PROMETEO" has the specific objective of establishing a cross-border network among Italian and Tunisian researchers, businesses, and other stakeholders in a strategic sector for the Sicily-Tunisia macro-region. The cross-border team is composed of eight partners, including the University of Tunis El Manar.. The goal is to collaborate on the development of innovative and sustainable technical solutions for the protection of these crops against quarantine pathogens or emerging pests that threaten their profitability and survival.

Link: <http://www.utm.rnu.tn/utm/fr/evenement-276-utm-projet-prometeo>



## 2- Tunisia-Japan-African Program

The University of Tunis El Manar (UTM), the Japan International Cooperation Agency (JICA), the Ministry of Higher Education and Scientific Research, the Higher Institute of Medical Technologies of Tunis (ISTMT) and the City of Sciences of Tunis (CST) signed an agreement on December 14, 2022, for the organization of a three-year training program as part of triangular cooperation, targeting French-speaking African countries.

This agreement aims to organize training for trainers benefiting African Technicians, Engineers, and University Teachers. ISTMT hosted these training sessions in partnership with the City of Sciences in Tunis. Thirteen African countries will benefit from this program: Benin, Burkina Faso, Guinea, Gabon, Togo, Senegal, Mauritania, Cameroon, the Democratic Republic of the Congo, Djibouti, Ivory Coast, Algeria, and Morocco.

Among the objectives of the training are:

1. To have highly scientifically skilled trainers in the maintenance and quality control of medical equipment in African countries.
2. To enhance the capacities of African trainers to train technicians and engineers.
3. To promote exchanges and technical cooperation between training institutions for biomedical technicians and engineers in Africa and Japan.
4. To establish a networking and innovation platform between African and Japanese experts in the field of biomedical engineering.

Link:

<https://www.jica.go.jp/Resource/tunisia/french/office/topics/press221215.html>

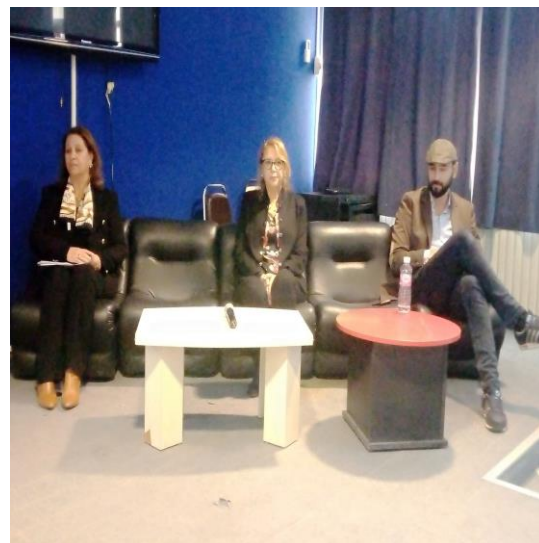


## 3-Valorization of Scientific Research and Technological Transfer

On 2022, University of Tunis El Manar (PAQ-GAGE committee) organized a "Support Days for Young Researchers in the Valorization of Scientific Research and Technological Transfer" at:

- The Faculty of Sciences of Tunis
- The National School of Engineering of Tunis

The goal of the Support Days is to provide assistance and guidance to young researchers in the process of translating scientific research into practical applications and promoting the transfer of technology. The event aims to support and empower young researchers in understanding the strategies, tools, and best practices involved in valorizing scientific research, which includes activities such as technology transfer, commercialization, and knowledge dissemination.



## 4-VISIRECH

Since its establishment, the University of Tunis El Manar has been supporting the development of high-level research and the implementation of research projects in major, future-oriented scientific sectors.

In 2022, the University of Tunis El Manar launched a web platform called 'VISIRECH,' allowing any research entity at UTM to create its own website.

VISIRECH serves as a direct scientific communication tool among researchers. This web platform optimizes the visibility, accessibility, speed of dissemination, and impact of deposited research outputs.

VISIRECH enables:

- Quick and simple online publication of research results.
- Broad dissemination of research work.
- Timestamping of these works.

-Improvement in citation rates, as articles in Open Access are cited more (up to five times) than those originally published in print journals.

Long-term archiving, ensuring the sustainability and stability of formats and URLs .

Link:<http://www.utm.rnu.tn/utm/fr/recherche--visirech>

## 5-The University of Tunis El Manar, Beacon of Cultures

On October 26, 2022, the University of Tunis El Manar organized its first edition to showcase the cultural heritage of participating countries through exhibitions and artistic performances presented by students, reflecting their vision of various traditions and cultural values.

Link: <http://www.utm.rnu.tn/utm/fr/evenement-313-universite-de-tunis-el-manar-phere-des-cultures>



## 6-INAUGURAL CONFERENCE OF THE ALECSO CHAIR FOR INTERNATIONAL COMMERCIAL ARBITRATION

The official inauguration of the ALECSO Chair for International Commercial Arbitration took place on October 3, 2022, at the ALECSO headquarters, in the presence of the President of the University of Tunis El Manar, the Director General and Executive Director of ALECSO, the President of the Court of Cassation, the Dean of the Faculty of Law and Political Science of Tunis (FDSPT), as well as experts, arbitration practitioners, academics, researchers, and lawyers. During the inaugural conference, the chairholder, Professor Najet Brahmi Zouaoui from FDSPT, presented the role of the chair and its importance in training and research outcomes related to international commercial arbitration.

On his part, Prof. Moez Chafra, President of UTM, congratulated the Chairholder of the ALECSO chair for this prestigious distinction, wishing her every success. He also emphasized the importance of this new creation within FDSPT as a scientific chair specializing in a critical domain. He thanked all the partners who collaborated with UTM and FDSPT to enhance the quality of legal research outcomes."



## 7-The UTM-IDEA-Contest

The UTM-IDEA-Contest 2022 is a competition that took place on October 27, 2022, aimed at supporting the development of extraordinary and innovative ideas, and encouraging participants to thoroughly examine their own ideas.

Participation was open to students, graduates (up to 5 years after graduation), and members of the UTM Student Research Center from all faculties of the University of Tunis El Manar who had an idea with a developed prototype. The competition provided an opportunity for participants to present and advance their products, business ideas, or research results with entrepreneurial potential. Expert committees evaluated the ideas for their potential, and each idea received summarized feedback from business experts along with individual tips.

Following a multi-stage selection process, the best ideas were showcased to representatives from the business world and the University of Kassel, Germany, as well as to the public during a celebratory closing event.



**The University of Tunis El Manar, in partnership with the University of Kassel, Germany, and the DAAD, Organizes**

**'UTM IDEA CONTEST 2022'**

**An entrepreneurial competition for students, graduates and young researchers from UTM institutions**

**October 27, 2022**

Contact : [idea.contest@utm.tn](mailto:idea.contest@utm.tn)

**At a glance :**

- 10.10.2022 Closing date (to be submitted : idea sketches + application form at 23:59)
- 17.10.2022 Notification of acceptance
- 21.10.2022 Workshop Top Ten Teams - tips and tricks for the presentation
- 27.10.2022 Presentation of the top ten ideas to the jury and Closing event with award ceremony



Subscribe now : [https://bit.ly/UTM-IDEA\\_Contest](https://bit.ly/UTM-IDEA_Contest)

## 8-Competition for the Best Initiatives in Fundamental and Applied Research

As part of the Research & Innovation domain activities within PAQ-Strategic Management Development of Universities project 'PAQ-DGSE,' a Competition for the Best Initiatives in Applied and Fundamental Research is organizing by The Faculty of Medicine of Tunisia (FMT), University of Tunis El Manar.

This Entrepreneurship Awareness Day aims to inform and encourage members of the university community, particularly students and researchers, to become more involved in entrepreneurship.

Link:<https://fmt.rnu.tn/finale-du-concours-fmt-inspire-concours-des-meilleures-initiatives-de-recherche-fondamentale-et-appliquee/>



## 9-Cooperation agreement between IBLV and FMDT in Paris

Initiated by the Bourguiba Institute of Living Languages (IBLV), a cooperation agreement was signed in Paris on Tuesday, July 6, 2022, between the Foundation of the Maison de Tunisie (FMDT) in Paris, represented by its Director, Mr. Tahar Battikh, and the IBLV, represented by its Director, Mr. Imed Ben Ammar, under the auspices of the University of Tunis El Manar, represented by its President, Professor Moez Chafra. This agreement primarily aims at creating an IBLV center within the FMDT dedicated to providing certified Arabic language training for the Tunisian community residing in France as well as the general public.



## 10-UTM-US: Signing of a Framework Cooperation Agreement

On September 2, 2022, President of the University of Tunis El Manar, Prof. Moez Chafra, received a Libyan delegation led by Professor Salem Al Herichi, President of the University of Sabratha. The delegation included the Advisor to the Ministry of Higher Education and Research of Libya and the Director of the International Relations Office of the University of Sabratha. The purpose of this meeting was to discuss cooperation possibilities between



## **11-UTM-UGANCG: Signing of a Partnership Agreement**

On August 29, 2022, Professor Moez Charfa, President of the University of Tunis El Manar, received Professor Alpha Kabinet Keita, Rector of the University Gamal Abdel Nasser Conakry in Guinea. They discussed areas of specialization and future programs between the two universities, in the presence of Vice-Presidents of UTM, Halima Mahjoubi, and Fadila Darragi, as well as Lobna Zakraoui, Director of Academic Affairs, and Hatem Sta, a researcher at ISI.

A partnership agreement was signed between UTM and UGANCG to enhance the mobility of teachers and students and to materialize pedagogical and scientific cooperation.



## 12-Renewed Framework Agreement Strengthens Collaboration

The University of Tunis El Manar received a delegation from Le Mans University on June 21, 2022. President of the University of Tunis El Manar, Professor Moez Chafra, and President of Le Mans University, Professor Pascal Leroux, renewed a framework agreement aimed at strengthening cooperation between the two universities. During this ceremony, Professor Kamel Ben Saad, Director of ENIT, and Professor Anis Matoussi, Director of the Risk and Insurance Institute, signed a Double Degree agreement between the Master in Data Science, Actuarial Science, and Stochastic Control at ENIT and the Actuarial Science Master's program at Le Mans University.





### **13 Signing of a Partnership Agreement between UTM and AU**

The University of Tunis El Manar (UTM) and Ajman University (AU) in the Emirates were signing on June 24, 2022 a partnership agreement, focusing on collaboration in the fields of training and scientific research in Medical Technologies and Artificial Intelligence.

This partnership aims to create a robust framework for research and innovation collaboration, enhancing the capabilities of both institutions in the dynamic fields of Medical Technologies and Artificial Intelligence.

[Link:utm.rnu.tn/utm/fr/galerie-287-signature-d-une-convention-de-partenariat-entre-l-universite-de-tunis-el-manar-utm-et-l-universite-d-ajman-ua-emirates](https://utm.rnu.tn/utm/fr/galerie-287-signature-d-une-convention-de-partenariat-entre-l-universite-de-tunis-el-manar-utm-et-l-universite-d-ajman-ua-emirates)





## 14-The 2nd edition of the UTM-Innov Competition

The final of the competition for the best innovative and entrepreneurial initiatives, UTM-Innov, marked the official conclusion of this edition of the competition. 'UTM-Innov' aims primarily to foster creative and entrepreneurial spirit among UTM students and recent graduates by providing training, guidance throughout the process, and networking opportunities with key players in the ecosystem.

In this edition, out of the hundred applications received (including about thirty projects), 15 projects were selected. These projects reflected the multidisciplinary nature of UTM as they were distributed across different categories of innovation, such as MedTech, Sustainable Agriculture, FoodTech, HealthTech, GreenTech, BioTech, ArtTech, FashionTech, and FinTech.

Through UTM-Innov, the University of Tunis El Manar takes another step towards establishing an entrepreneurial university that fosters value creation and innovation among its diverse student body.

Link: <http://www.utm.rnu.tn/utm/fr/actualite-4634-concours-utm-innov>





## 15-Signing of a framework Agreement

The University of Tunis El Manar has signed a framework agreement with the 'U-Accelerator' incubator, providing researchers from various UTM institutions the opportunity to be supported in valorizing the results of their research efforts.

The signing protocol was followed by a presentation of an action plan given by Mr. Firas Karoui, representing the 'U-Accelerator' incubator.



## 16-The BNA celebrates Science Day

The BNA celebrates Science Day, held on July 1st at the Cité de la Science, by sponsoring the awards ceremony for the winners from The University of Tunis El Manar (UTM) institutions.

This event, marking the end of the academic year, honors outstanding students from various UTM institutions. It provides an opportunity to showcase academic excellence. As a gesture of encouragement, BNA awarded prizes to the 16 winners from UTM institutions.

BNA's participation in this ceremony reflects its commitment to prioritize education, making it a socially responsible bank dedicated to national interests.



## 17-Competition for the Best Innovative Entrepreneurial Initiatives by IPEIEM

Led by Mrs. Nesrine Zoghmalı, Director of Preparatory Institute for Engineering Studies, University of Tunis El Manar, the institute organized the first edition of the competition for the best innovative and entrepreneurial initiatives, Inno'Green.

During this final event, twelve teams of IPEIEM students presented their innovative projects before a multidisciplinary jury. Awards were presented to the winners.

This competition aims to foster a culture of innovation and entrepreneurship by encouraging individuals or teams to propose groundbreaking ideas and solutions that address contemporary challenges or opportunities. Through this competition, we seek to identify and showcase entrepreneurial talent, providing a platform for knowledge exchange and networking among participants, mentors, and juries.



## 18-Innovation Prize in Francophone Sciences and Technology 2022

The International Conference of French-speaking Engineering and Technical Training (CITEF) is launching the 2022 edition of the Innovation Prize in Francophone Sciences and Technology.

This prize aims to reward an original student project carried out during higher education studies at an institution within the French-speaking space, which is a member of CITEF. Currently, National School of Engineers of Tunis



CONFÉRENCE INTERNATIONALE  
DES FORMATIONS D'INGÉNIEURS  
ET TECHNICIENS D'EXPRESSION FRANÇAISE

### Prix de l'innovation en Sciences et Techniques Francophone CITEF 2022

La Conférence Internationale des formations d'ingénieurs et Techniciens d'Expression Française (CITEF) lance l'édition 2022 du Prix de l'innovation en Sciences et Techniques Francophone.

Il s'agit de récompenser un travail d'étudiant(e) original effectué dans le cadre des études supérieures dans un établissement de l'espace francophone membre de la CITEF, et l'ENIT en est le seul membre tunisien actuellement.

Tous les niveaux d'études supérieures sont concernés. Le travail peut-être individuel ou en groupe dans le cadre d'un projet d'étude mené au cours de l'année universitaire 2021-2022. Trois prix seront attribués : 3 000, 2 000 et 1000 euros, par ordre de mérite.

La date limite de soumission des candidatures est fixée au **15 septembre 2022**.

Le dépôt de candidature se fera exclusivement en ligne à travers le site web de la CITEF : [www.reseau-citef.org](http://www.reseau-citef.org).

Dans le dossier de candidature, les étudiants auront à présenter les éléments suivants :

- Le contexte et le cadre du travail réalisé : Diplôme en préparation, Période de préparation du projet, évaluation et validation du projet, Travail personnel ou travail de groupe et l'enseignant responsable.

- Une description succincte du projet : Titre, objet (en 50 mots max), caractère novateur (en 50 mots max), résultats et applications (50 mots).

Les candidats auront aussi à déposer à travers la plateforme du Prix les documents suivants: le cahier des charges du projet, le rapport détaillé du projet, un document attestant l'évaluation et/ou la validation du projet et toute preuve du résultat obtenu (photographies, maquettes, logiciels, applications).

## 19-Inter-Network Seminar

The National School of Engineers of Tunis, University of Tunis El Manar, along with the three networks of Science and Technology under AUF, CIRUISEF, FIGURE network, and CITEF, organized a joint seminar for the first time on December 9 and 10, 2022.

The various workshops, organized by geographical zone within the Francophone space, highlighted the specificities of each region, the different Orders of Engineers, and the issues related to equivalences and accreditations.

Finally, an initial SWOT analysis allowed for the definition of opportunities and perspectives for the future, taking into account the strengths of engineering education (skills, industry relations, etc.), as well as their weaknesses (faculty levels, research connection, diploma equivalences, etc.), all within an educational landscape undergoing significant changes (private education, lifelong learning).

Link: <http://www.reseau-citef.org/2022/11/14/seminaire-inter-reseaux-tunis-9-et-10-decembre-2022/>



## 20-The National Prize for Scientific and Technological Research

The National Prize for Scientific and Technological Research was awarded under the supervision of Mr. Moncef Ben Salem, Minister of Higher Education and Scientific Research. The award ceremony took place at the ministry's headquarters on July 4, 2022.

The Mathematical and Digital Modeling Laboratory in the School of Engineering at the National School of Engineers of Tunis, University of Tunis El Manar, led by Professor Mourad Bellassoued, received the award for the best research laboratory in scientific production and openness to the environment.

Link: : <https://www.facebook.com/people/Minist%C3%A8re-de-lEnseignement-Sup%C3%A9rieur-et-de-la-Recherche-Scientifique/100064605075098/>





## 21-framework agreements

Three framework agreements were signed with university institutions as part of the collaboration between the Tunisian Company of Electricity and Gas, the European Bank for Reconstruction and Development (EBRD), and the European Union (EU), under the supervision of the Ministry of Industry, Mines, and Energy. The Tunisian Company of Electricity and Gas signed three model framework agreements with specialized university institutions in engineering and advanced technology training. These institutions are the National School of Engineers of Tunis, the Higher School of Communications of Tunis (SUP COM), and the National School of Sciences and Advanced Technologies in Borj Cedria.

These agreements aim to regulate the general framework of cooperation and partnership between the signing parties to provide academic training capable of creating competent professionals in fields related to our country's energy transition. The agreements involve developing the overall cooperation, updating academic curricula, and diversifying specialties at these universities to align with our country's job market needs.

These agreements are part of the European Bank for Reconstruction and Development (EBRD) financing program for the restructuring project of the Tunisian Company of Electricity and Gas, assisting and supporting it in reforms aimed at improving the overall performance of our country's energy sector and its development.





## 22-The 5th edition of the Doctoral Students' Day (JDD)

The Doctoral Students Day took place on May 18, 2022, at the National Engineering School of Tunis.

Two roundtable discussions and a conference are organized :

1)Roundtable 1 - 'Complementary Doctoral Training at ENIT: Current State, Benchmarking, and Improvement Avenues': This roundtable aimed to assess the status of complementary doctoral training at ENIT and presented our partners' experiences on the subject. The goal was to initiate a discussion on defining a training offering that is suitable and tailored to the needs of ENIT doctoral candidates.

2)Roundtable 2 - 'Research and Development in Business: Challenges and Opportunities': Through the testimonials of our partners, we aimed to highlight the role of scientific research in strengthening business activities and the mechanisms for research valorization.

3)The conference, titled 'Research Valorization Tools and Technology Transfer,' was presented by the General Director of ANPR.

4)In the afternoon, two competitions were organized: 'My Thesis in 180s' and 'My Thesis Topic in 3 Slides.'

Link:<http://www.edsti.enit.rnu.tn/fr/index.php?id=63>







## 23- SOUAQI FARMS

Agriculture in Tunisia faces several challenges, both in terms of production and product distribution. In this context, and to address the issues of such a vital yet complex sector, Enactus ENIT, composed of young engineers from the National School of Engineering of Tunis, has taken action by launching its new project: SOUAQI FARMS. SOUAQI is a promising and innovative project in agriculture in Tunisia. It not only aims to popularize modern agricultural techniques at a time when they are most needed but also combines engineering, agriculture, hydroponic systems, and the internet to significantly improve agricultural yield and quality.

Link: <https://www.yaluna.tn/un-projet-innovant-dagriculture-la-consommation-de-90-moins-deau-et-aucuns->



## 24-The opening week (2A) (17-21 janvier 2022)

The opening week for second-year students (2A) is scheduled from January 17th to 21st, 2022 at the National School of Engineering of Tunis.

During the (2A), a diverse range of themes were explored, offering students a rich and enlightening experience.

The agenda covered crucial topics such as 'Climate Change and Energy Transition,' which was proposed by TOTAL Associate Professors and coordinated by Mr. Hatem Kanfoudi. Additionally, Prof. Ilhem BELKHODJA and the Qehn A research team delved into the intricate field of 'Microgrids Integrating Photovoltaics and Storage from Experimental Platforms.'

Other captivating themes included 'History of Algebra,' animated by Mr. Marouene BEN MILED, and 'Discovering the Electronic Industry,' proposed and facilitated by Asteelflash Tunisia. The exploration extended to 'Healthcare Systems: Challenges & Opportunities,' presented by Safa BHAR LAYEB and Imen MEJRI, and 'Development in C/C++ on STM32 under the Open-Source Ecosystem of ST,' offered by STMicroelectronics.

lineup provided students with a comprehensive understanding of various fields and insights into the complexities of today's dynamic world.



Moreover, Prof. Khaled JELASSI led an insightful session on 'Flexible Workshop and Industry 4.0.' The week also incorporated a focus on 'Personal Development,' with sessions guided by Mrs. Sana BEN THABET, Mrs. Narjess MESSAADI, Mrs. Sana BARHOUMI, and Mr. Anis KAROUI.

Diving into global perspectives, the themes continued with 'Agenda 2030: Sustainable Development Goals,' a coordinated effort by Mrs. Fairouz SLAMA and Mrs. Emna GARGOURI. Finally, 'Risk Management' took center stage, proposed and coordinated by Prof. Mohamed MNIF, alongside the active involvement of Mrs. Anissa RABHI, Mrs. Hanen MEZGHANNI, and Mr. Mehdi LAARIF. The week concluded with an exploration of 'Spatial Computing,' a theme proposed by Mr. Ali FRIHIDA.

This diverse and engaging lineup provided students with a comprehensive understanding of various fields and insights into the complexities of today's dynamic world.

