



Ministry of Communications  
and Information Technology



Information  
Technology  
Institute



**28+**  
Years of  
ICT TALENTS  
DEVELOPMENT

People Develop Countries...  
We Develop **PEOPLE**



## CHAIRPERSON'S MESSAGE

“ الحياة هي مجرد وسيلة لبداية أعظم  
لذا كن شغوفاً بالتعلم والعطاء  
استمتع واترك أثراً ”

“ *Seeking the Best of Two Worlds,  
through Giving and Living.* ”

ITI has a long journey that spans more than 25 years in the field of ICT capacity development. It aims at preparing highly skilled and well-trained cadres who are able to effectively contribute to our country's development and humanity's progress and to acquire their deserved share of tomorrow's career opportunities.

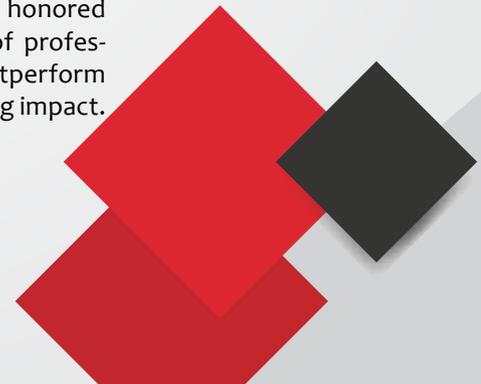
Keeping an eye on the accelerated market needs and continuously reflecting these changes on the design of our programs are the secret ingredients behind the sustainable growth of ITI role. Orchestrating the delivery of our programs with the industry's leading partners and the academic sector and embedding the new technologies in the institution's learning services, allow the ITI to offer non-classical, experience-based programs. A solid approach that leads to achieving a high employment percentage to the ITI's thousands of graduates and helps us scaling up our services to reach more of the young talents thriving throughout Egypt.

Dear passionate learners,  
As you join our learning community, I invite you to a joyful learning journey and urge you, while thinking of your future opportunity, to also ponder the deep impact you can realize on your country, humanity and for the best of two worlds.

Dear community partners,  
We are always keen to cooperate in opening new doors of opportunities for the new talents and your business growth.

Finally, I am extremely proud and honored to be part of a dedicated team of professionals who are always eager to outperform themselves and leave an ever-lasting impact.

*Heba Saleh, PhD.*





# 28+

Years of  
ICT TALENTS DEVELOPMENT



## VALUES

People Develop Countries...  
We Develop **PEOPLE**

Professionalism

Openness

Loyalty

Extra Mile

Passion

Elation

## BRANCHES

Smart Village  
Headquarter



Alexandria

Mansoura



Menofia



Ismailia



Minia



Assiut



Sohag



Qena



Aswan

## VISION



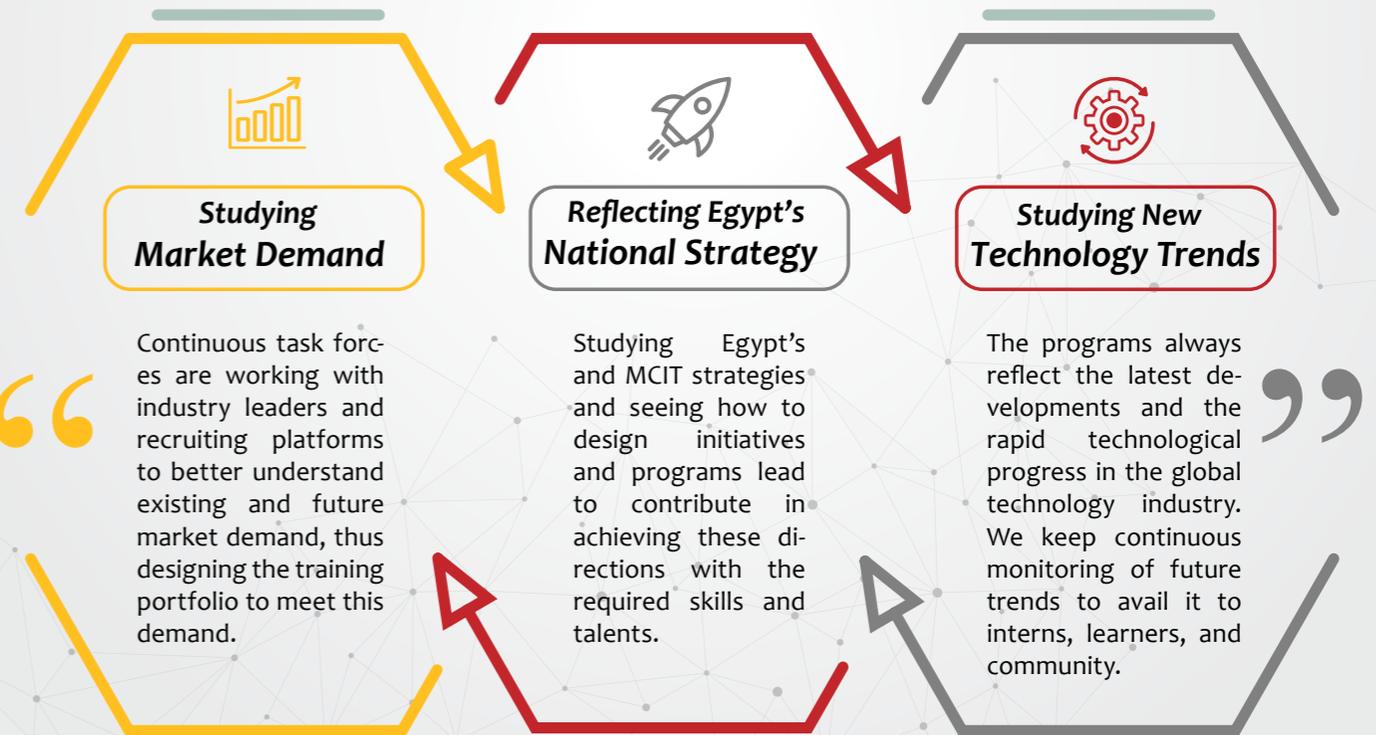
A Reference Hub in  
Developing ICT  
Professional Talents.

## MISSION



Supporting Egyptian youth to improve their career opportunities by developing their skills and preparing them for highly in-demand jobs, and related vast technologies to fulfill today's needs, and tomorrow's forecast.

## METHODOLOGY



# PROGRAMS

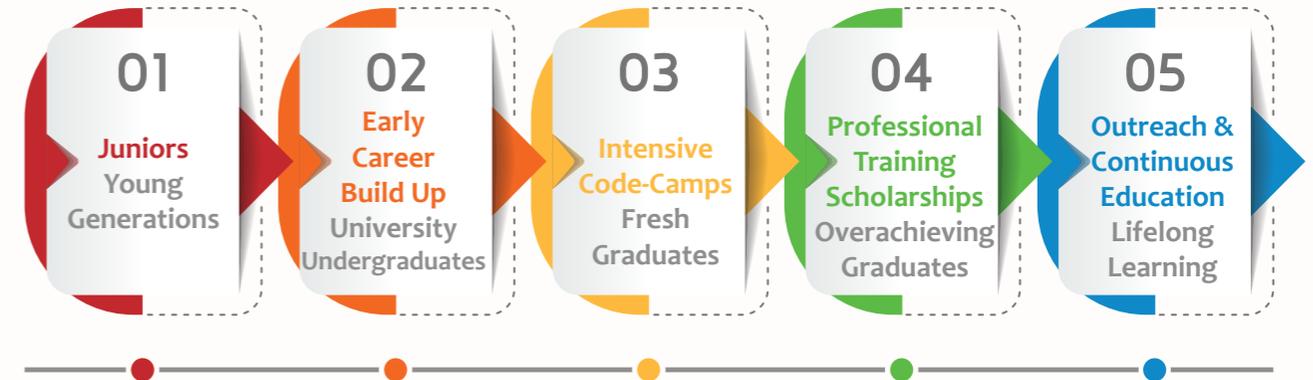
Studying the technological trends, the market demand and the national initiative reflect **program's continuous update**. Our programs span for around **30 ICT disciplines** including for example Artificial Intelligence, Data Science, Game Development, Digital Marketing, and many more that are related to **highly demanded job profiles**.



# WHAT WE OFFER

**“Targeting passionate learners from 9 to 99 years old”**

Our services target every passionate learner who is looking for creating his/her opportunity. These services include different initiatives and scholarships through different delivery models.



## 01- Juniors: Young Generations

“Hobbies of today, are tomorrow’s Opportunities”

Nowadays, juniors are deeply in love with technology, either to play a game or to crack a system, we are developing on this passion to empower them with the required skills to raise their awareness about new concepts, tools and technologies, such as **Embedded Systems, Cyber Security, Game Development, Digital Art and Film Making** through a set of placements, projects and certifications.

Online Career Talks  
[maharatech.gov.eg](http://maharatech.gov.eg)



Data Analytics Career Roadmap



Cyber Security Career Roadmap



Summer Code-Camps

## 02- Early Career Build Up: University Undergraduates

“Raising level of readiness for university students prior to their graduation”

### Career Talks

University students remain confused from where to start in order to seize the right job opportunity. For this reason, and with the need to raise their awareness about the existing career path, we have launched **Career Talks** initiative, through different university visits and provided digital learning nuggets on ITI online platform in cooperation with the leading industry experts.

### Summer Code-Camps

In order to also empower the students’ skills, we conducted **Intensive Code Camps** during their mid-year and summer vacation in highly demanded skills to increase their readiness prior their graduation.

### ITEgypt101 Initiative

Delivering a practical curriculum within their undergraduate program is another way to enrich our interns’ experience and early introducing them into the job market implications.

**ITEgypt101 initiative** introduces undergraduate elective topics for freshman students from different disciplines to the wide realm of information technology through hands on experience and keynote speakers from their domain. Other topics could be introduced during their third and fourth academic year in collaboration with the universities. Students learn as well how it can affect their career perspective and open up new possibilities for them.



## 03- Intensive Code-Camps: Fresh Graduates

“Learning with Flavors”

**Intensive Code Camp (ICC) program** provides a wide range of different tracks that are aligned with the Egyptian governorates’ local identity as well as the relative market needs such as Textile Design in Mahalla, 3D Furniture Design in Damietta, Solar Power in Siwa, Web Development for Tourism in Aswan, Digital Marketing and e-Content in Hurghada and many more.

ICC is implemented in collaboration with the governorates training centers to capitalize on the existing infrastructure and reach out youth in rural areas.



3D Furniture Design Program in Damietta



Solar Power Program in Siwa



Textile Design Program in Mahalla



Web Development for Tourism Program in Aswan

## 04- Professional Training Scholarships: Overachieving Graduates

“Shaping technical and interpersonal skills for employability”

The program is offered as a full-fledged scholarship for selected Egyptian university graduates within five calendar years of their graduation. It acts as a catalyst to bridge the gap between the talent supply skills and the domestic, regional, and international market demands.

Collaborating with a rich network of industry partners, **more than 32 various tracks**; in which candidates join after a rigorous **screening process** for 8 weeks and **10% acceptance rate**; were designed and updated in terms of target **job profiles** and **ICT market** competencies and serious, committed and passionate **learners**.

The program is delivered in a hybrid model that guarantees to create interns deeply passionate, committed and eager to become the best resilient leaders in their business bottom line.

Our close relationship with the industry helps securing our target of fulfilling the **employment percentage** for **more than 95%**. We are always keen to encourage them for acquiring relevant certificates, real freelancing jobs and solving one of the community problems.



### 9-Months Scholarship Learning Journey



Background criteria  
Self-based pre-work  
Aptitude & language  
Technical interviews  
Soft skills interviews

Interns gain knowledge in:  
Business knowledge  
Technical knowledge  
Life skills  
Language skills

Interns participate in:  
Workshops  
Hackthons  
Ideation camps  
Hiring Interviews

Graduates are encouraged to practice what they learn through prototypes or real freelancing jobs and to acquire relevant certificates prior their graduations.

Starting your career in freelancing, remote working or classical jobs.

## AI Talents Academy

<https://ai.iti.gov.eg/>

ITI started to empower interns through different initiatives with the needed skills to prepare the future AI specialists, programmers and developers. This is why we have launched the AI Talents Academy in partnership with industry key players to provide different training levels.



In cooperation with the French Graduate School of Computer Science and Advanced Technologies (EPITA), The ITI provides an online program in Artificial Intelligence (AI) to Train the Trainers (TTT) in a flavor that mixes between theory and practices of AI in Neuro-Linguistic Programming and Computer Vision areas. This program is conducted remotely by AI experts from EPITA to certify qualified instructors that are engaged to deliver later the program for a duration of nine months to 1000 Egyptian calibers.

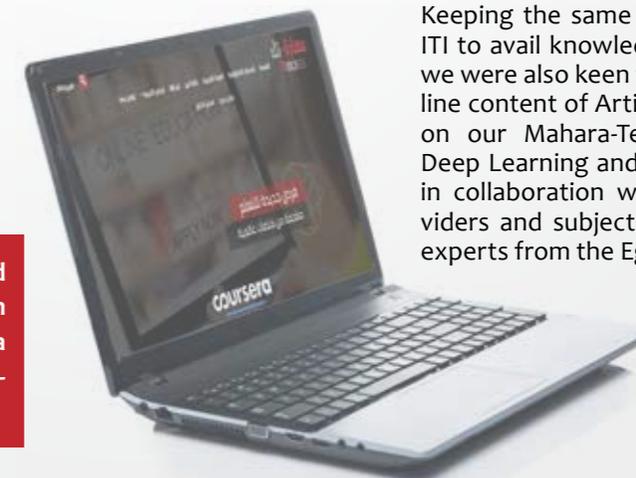
**That was just a start and ITI will keep more and more to empower its network of collaboration with industry key players and to correlate AI as a discipline with different programs like Cyber Security, and Embedded Systems.**



In collaboration with google in a blended way from three levels, ITI started this initiative to solve real-life problems using machine learning at the beginner, intermediate and advanced levels to equip the next generation of Egyptian youth by the skills required to graduate professional ML developers.



Keeping the same methodology of ITI to avail knowledge to everyone, we were also keen to provide an on-line content of Artificial Intelligence on our Mahara-Tech platform as Deep Learning and other programs in collaboration with content providers and subject matters leading experts from the Egyptian Industry.



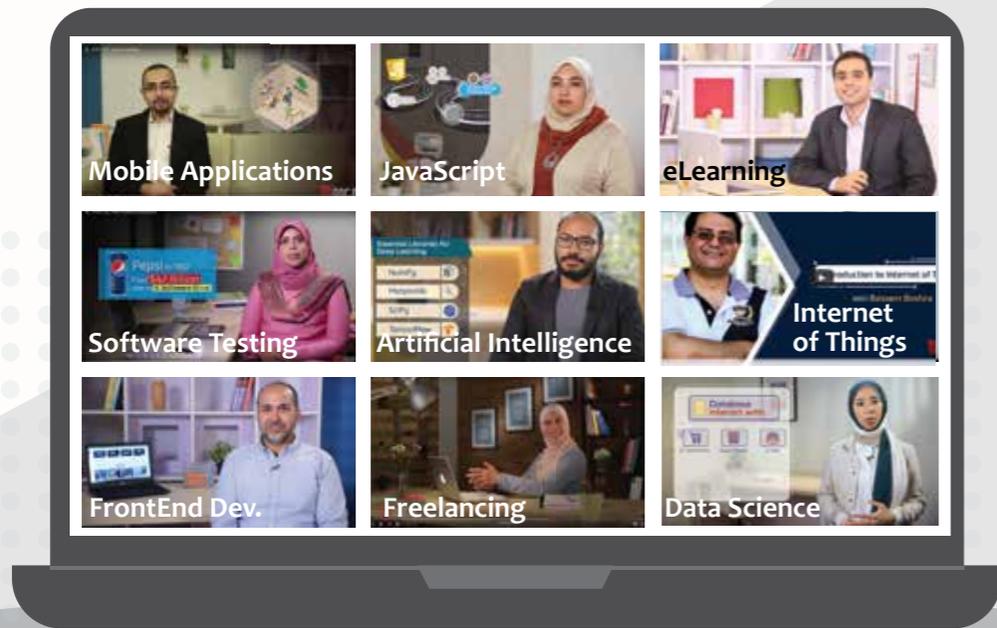
## 05- Outreach and Continuous Education Lifelong Learning

Empowered by the digital revolution and transcending geographic boundaries, Mahara-Tech is a digital online platform for different learners and experts learning virtually anywhere anytime.

It provides a rich repository of content, reaching out 100,000 learners after 2 months of launching.

**Mahara-Tech**  
maharatech.gov.eg

Latest  
IT Trends  
at your fingertips



Arabic content empowering Arab and Egyptian youth to start their technical career.



Career Talks in collaboration with industry experts to raise awareness about different career specializations.



Collaboration with international content providers to widen access to further rich content, like Coursera, Pluralsight, and others.

Collaboration with Industry players to avail job opportunities to young professionals in classical jobs, freelancing and remote working like Wuzzuf, Khamssat, Mostakel, Vodafone Begin and others.



# CASUAL LEARNING

“CONNECT, LEARN AND SHOWCASE YOUR SKILLS & EXPERTISE”

Casual Learning through hackathons, competitions, workshops and events is a very vibrant channel and platform that empowers ITI to connect industry experts and different learners from the community to exchange their knowledge and expertise in a diversity of technological disciplines such as Gaming, Embedded Systems and Mobile Applications Development. This is why ITI is keen to conduct annually different types of casual learning in a way to spread an edutainment learning approach in an interesting and amusing way.



ITI established the Game Development Academy to position Egypt at the forefront of leading countries in Game Development industry worldwide by availing its knowledge to the community through conducting two annual hackathons and share gaming experiences and success stories.



## ANNUAL GAME HACKATHONS

### Game Jam Hackathon

The ITI hosts this annual Hackathon, on the last weekend in January through the participation of all game developers in Egypt.

Received two Guinness World Records (2016, 2018)



### Run Double Jump Hackathon

This is a one-day event in which the best game in the showcase is selected by a jury and the team is nominated to showcase in one of international Indie Prizes- Game Daily Connect.



## ANNUAL EMBEDDED AND ELECTRONICS HACKATHONS

### Maker-Hackathon

Fabrication, Mechatronics and Embedded Systems Hackathon

Annually In February, ITI hosts the “Maker Hackathon” event, providing the best working space and cutting edge digital fabrication tools in ITI Maker Space lab under the guidance of ITI’s technical team and technology experts. Winners of the best prototypes are offered prizes and additional support to turn their ideas into business.

### RoboCUP Junior Egypt

Embedded Systems and Engineering Junior Professionals Hackathon

Sponsored by MCIT and in collaboration with the Arab Academy for Science, Technology and Maritime Transport (AASTMT), the Bibliotheca Alexandrina (BA) and Valeo, ITI hosts annually in March, RoboCup Junior Egypt hackathon that aims to create the first robot football team to win the World Cup 2050.

### All Egypt Robot Sumo Tournament

International Robotics Tournament Worldwide

It is the official qualifier for the international All Japan Robot Sumo Tournament held by FUJITSO-Certified “NASA Robot Alliance”. This tournament is organized at ITI headquarter, in Smart Village, Egypt where winning teams are qualified to participate in the international tournament held annually at Tokyo.

## ANNUAL DEVELOPMENT HACKATHONS IN MOBILE AND DATA SCIENCE

### Mobile Developer Weekend

Mobile Development Hackathon

The event sheds the light on the latest applications, products, technologies, startups, business and opportunities in the mobile world. It provides the attendees with the opportunities to enroll in different hands-on interactive workshops and hackathons, join competitions, and win prizes.



### Data Science and Big Data Hackathon

Creating solutions for our nation’s growing challenges using Egypt’s wealth of big data

Using real data provided by the public sector, the participants with the mentorship of the private sector’s technology gurus and pioneers and the feedback of the academic society representatives formulate dashboards and conclude results for every day’s challenges.

# PARTNERSHIPS

We are always open to conduct partnership with Academia, Industry or with partners seeking to benefit from our experience in order to add values to our programs and community, exchange knowledge, keep ourselves always updated.

## INDUSTRY PARTNERSHIPS

Our relationship with the industry is a real partner relationship, not only a recruiting one. This partnership goes along interns' learning journey, starting from the preparation of different programs' design, passing by the interns' selection process, continuous update of the training programs' content and even during the training delivery by availing new initiatives design, contributing in continuous workshops and hackathons and ending by recruiting the interns. This long lasting relation contributes to crowning our efforts in preparing better talents and achieving higher employability percentage.

Industry role has been encouraged and empowered through the newly designed initiative called "Wazeefa-Tech".

ITI in cooperation with National Telecommunications Institute (NTI) and the Ministry of Social Solidarity (MoSS) launched "Wazeefa - Tech" initiative, a mechanism to empower scaling of training services in which companies will be able to fulfill the youth hiring needs with a flow of qualified calibers at annual quarters.

Companies are responsible for selecting interns, providing the technical design of the program and recruiting interns at the end of the program with a one-year minimum duration of employment contracts.

The National Social Bank provides the cost of the training program that varies according to the track of choice through an interest-free loan, whereas the trainees shall pay the loan after their employment in installments up to three years with zero interest or extra fees.



## ACADEMIC PARTNERSHIPS

ITI established a cooperation agreement with the prominent international Paderborn University, for the Professional Training Program (PTP) graduates in Embedded Systems and Mechatronics to achieve a Master degree in Computer Engineering. ITI also established cooperation along with various network with supreme council of Egyptian universities in private and governmental sectors.

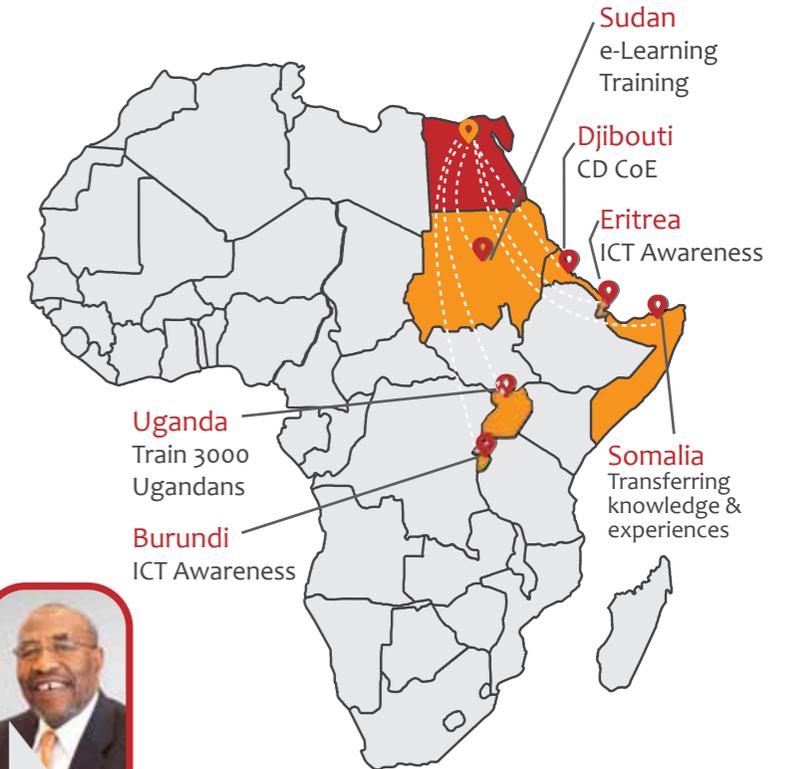


# NEIGHBORHOOD PARTNERSHIPS

## SOUTH TO SOUTH COLLABORATION

Sharing our knowledge with partners in the African Continent is very important. Collaboration is done through the **twining** of one or more of our initiatives, customizing programs designed for trainers (**TTT programs**), providing **consultation** and building capacity initiative with specific KPIs relevant to the industry needs.

South-to-South cooperation profile involves extensive cooperation with several African countries including the **Republics of Somalia, Uganda, Djibouti, Eritrea, Sudan and Burundi**.



"The fruitful cooperation with ITI emphasizes the strong historical ties between Egypt and Uganda. I wish to thank ITI for its successful role in the field of HCB for BPO cadres in Uganda."

**Dr. Ruhakana Rugunda, Prime Minister of Uganda**



"ITI has a great role in the Egyptian human capacity building and development."

**Dr. Ali H. Bahdon, Minister of Communication and Culture, Djibouti**

### Collaboration between ITI in Egypt and National Telecom Institute in Somalia through:

- Transferring knowledge and experiences in building capacities and gaining required ICT skills for better Somalia improvement areas.
- Exploring the opportunities of learning for jointly extending learning services through joint promotion of participation in experience sharing and staff exchange.

# IMPACT



Employability

## Institutional Asset of Knowledge

Our accumulative experience for more than 25 years; reflected in our rich **portfolio of programs**, and empowered by the maturity of our different academies and platforms; enables us to build more and more **community connections** with the international, middle East and the African countries and mingling with different mentors to benefit from this valuable experience.

We are always open to keep dialogue with community to keep an eye on our learners' needs by providing technical and employment skills training, coaching and availing continuous consultation for the sustainable employment optimization through availing our content as a service through our programs, initiatives, hackathons and events.

Moreover, our assets are availed as a service represented in:

- **Content as a service:** a rich Arabic content through our online learning platform "Mahara-Tech" and ;
- **Infrastructure as a service:** specialized learning environment through different supportive labs to leverage the value of development through availing infrastructure to be used by wider segment of people.

**85%** Annual Employment Rate

Behind thousands of our annual graduates, there are great success stories. It is not only limited to reach this annual employment rate but also reflecting this rate on great technological opportunities in local and international markets and creating more and more learners' hopes.

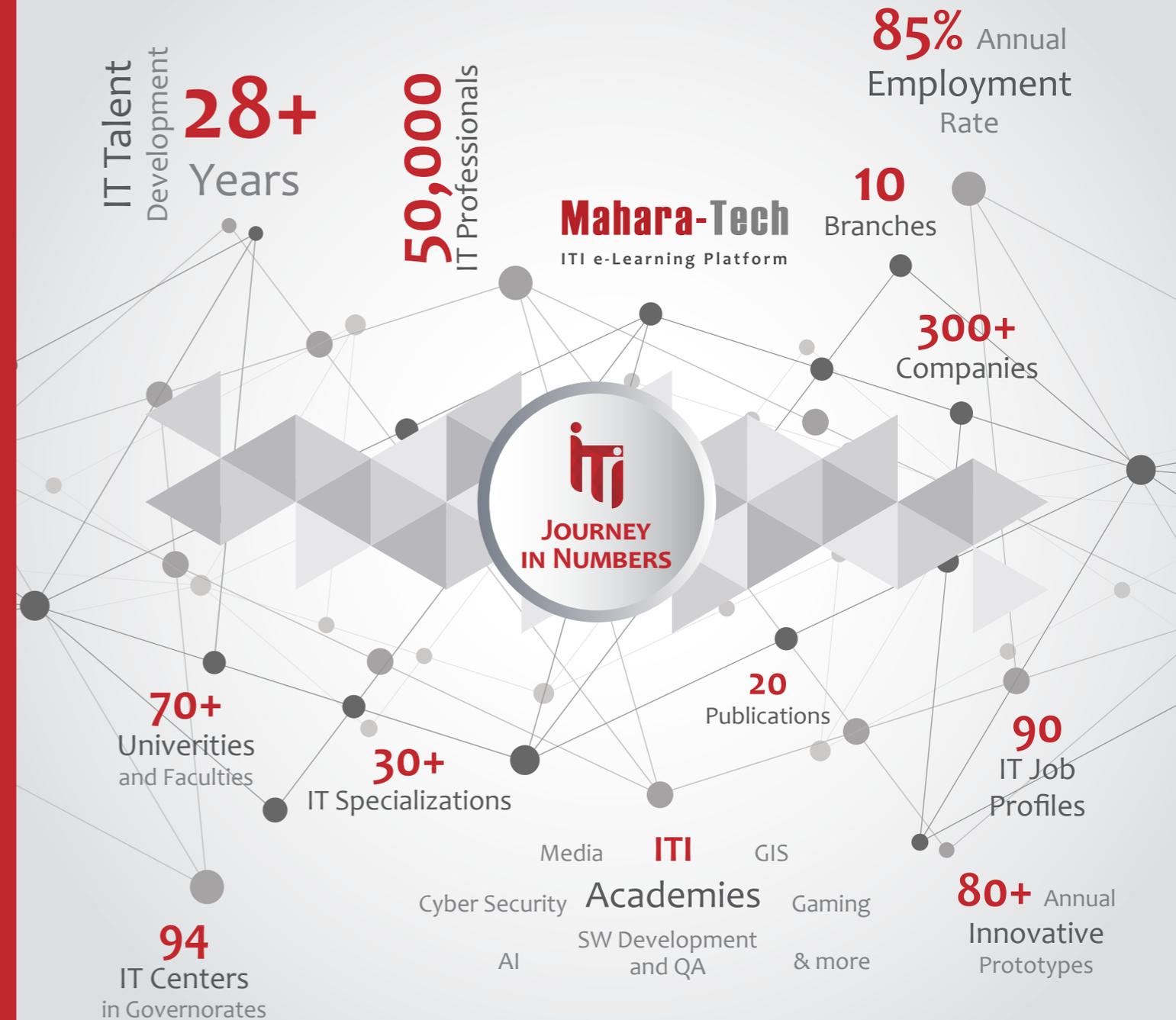
ITI Learning Environment



Content as a service



Infrastructure as a service



# TESTIMONIALS



“The fruitful cooperation with ITI emphasizes the strong historical ties between Egypt and Uganda. I wish to thank ITI for its successful role in the field of HCB for BPO cadres in Uganda.”

**Dr. Ruhakana Rugunda, Prime Minister of Uganda**

“I had the opportunity to talk to the ITI students; I can assure you that you have the most talented and well educated calibers, there is no doubt that your country will have a bright future.”

**Dr. John Kelly, Vice President Research, IBM**



“Through your over two decades of experience, ITI has accumulated and developed significant experience and expertise in producing high quality development capacity programs. ITI is an institute that not only plays a critical role ICT capacity building in Egypt, that it carries over this mission very well, but also has the potential to do so much more in the future.”

**Dr. Howard Armitage, University of Waterloo**

في لقائي مع مجموعة من الشباب الذين يمثلون عصب جهاز التدريس والبحث بمعهد تكنولوجيا المعلومات كان بوسعي رصد العلاقة الرفيعة بين أساتذة وعميدتهم الزمالة القائمة على التكامل وليس الرئيس والمرؤوسين العمل الجماعي العلمي الذي يطبق ويطور أحدث علوم العصر بل ويزيد الثقة بالمستقبل وبإمكانيات مصر حيث تضيف العقول المصرية إلى العلم الحديث ولا تكفي باستهلاكه ومن هنا يبدأ التقدم العلمي



**الأستاذ الراحل جمال الغيطاني  
الكاتب والروائي المصري العالمي**



“The day to day cooperation between the ITI and the University of Paderborn works very smoothly and successfully. I’m very proud of our joint protocol that I consider the best we have in the region, I deeply appreciate your visionary power and your straight ahead mentality.”

**Prof. Dr. Jurgen Gausemeier, Paderborn University**



معهد تكنولوجيا المعلومات  
مصر اللي عايزينها وبنحلم بيها

**الرئيس أحمد  
صياد وصاحب مركب**



رحلة بنتعلم فيها أحدث التقنيات مش بس على يد أساتذة أجلاء متمكنين ، إنما أيضاً من أخطائك في المعامل والمشاريع . فرصة ذهبية لتكوين روابط قوية مع قيادات ورواد المستقبل في تقنية المعلومات .

**تامر التونسي  
مؤسس ومدير شركة التونسي  
للإستثمارات**



أكثر مكان هتحس إن كل الناس اللي فيه خايقة عليك وعلى مصلحتك وعايزاك أحسن من الأول

**آلاء محمود  
خريجة المعهد دفعة ٣٧**

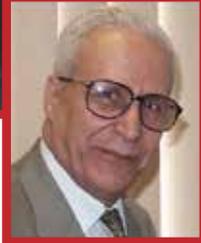
# TESTIMONIALS

# FOUNDERS

Dr. Nabil Elnady



Dr. Hisham  
Elsherif



Dr. Nabil Said



Dr. Mohamed  
Salem

The story of ITI is an  
accumulative  
institutionalized  
knowledge story.

The support of all founders  
and mentors was a huge push  
to reach its continuous story  
of success.

# MENTORS AND SUPPORTERS

## MINISTERS OF COMMUNICATIONS & INFORMATION TECHNOLOGY



Dr. Ahmed Nazif



Dr. Tarek Kamel



Dr. Magued  
Osman



Dr. Mohamed  
Salem



Mr. Hany  
Mahmoud



Eng. Atef  
Helmy



Mr. Khaled  
Negm



Eng. Yasser  
Elkady



Dr. Amr Talaat

# “ Growing Younger ”



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